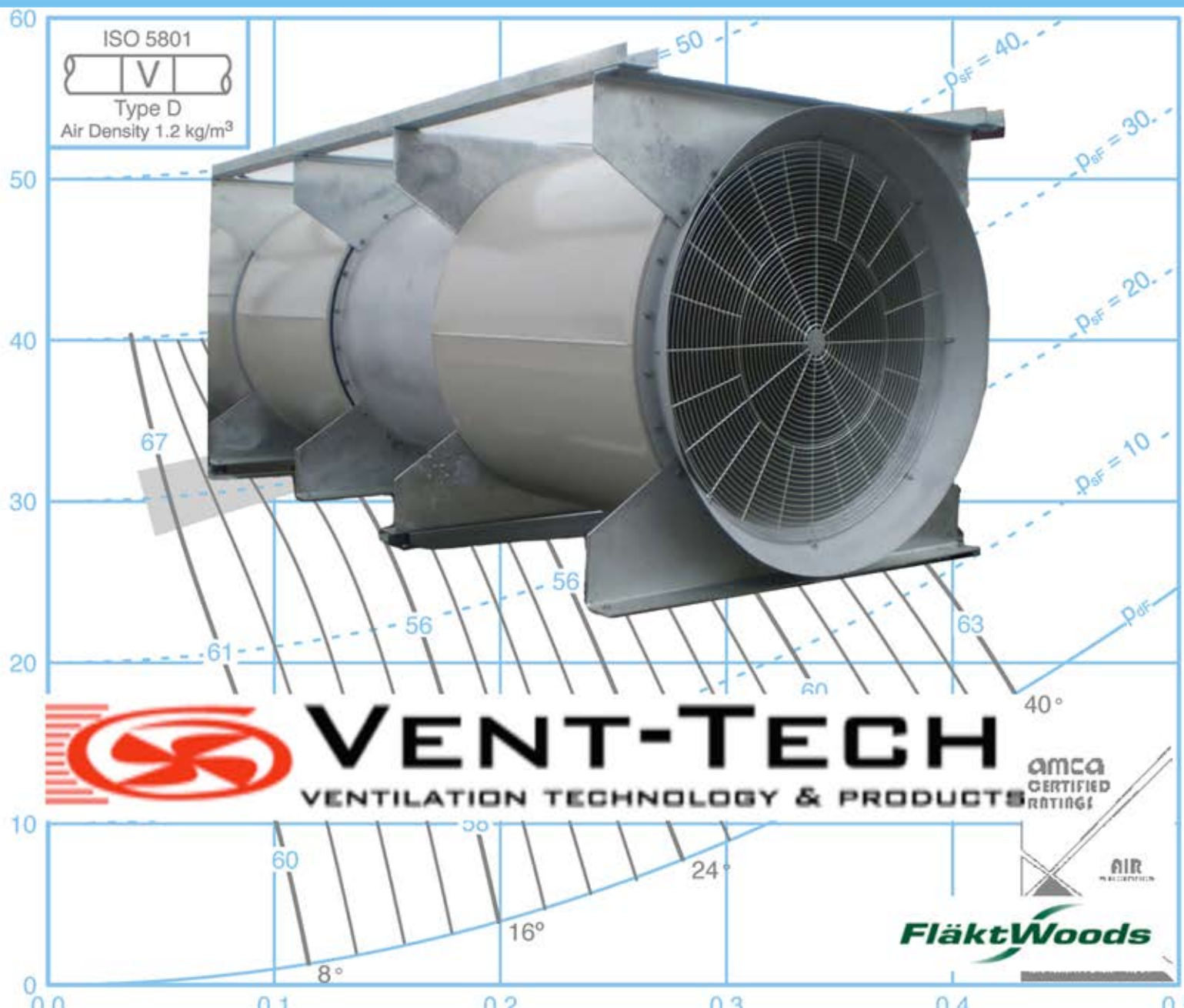


VentTech 2018 Limited
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 Upper Hutt-5018
 Wellington
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 Tel: 04 891 8368,
 E: admin@venttech.co.nz



AIR MOVEMENT PRODUCT RANGE



1. PROPELLER FANS	2101 PLATE MOUNTED	
	2102 PLATE MOUNTED	
	2105 DUCT MOUNTED	
2. ROOF FANS	DSMR MIXED FLOW DOWNFLOW	
	DVMG MIXED FLOW VERTICAL DISCHARGE	
	DSP AXIAL DOWNFLOW	
	DVPG AXIAL VERTICAL DISCHARGE	
	PSCR CENTRIFUGAL DOWNFLOW	
	DVCG CENTRIFUGAL VERTICAL DISCHARGE	
	UDC CENTRIFUGAL VERTICAL DISCHARGE	
	PSCR-S CENTRIFUGAL SUPPLY	
	PSCTT TUBE TYPE CENTRIFUGAL EXTRACT	
3. INLINE FANS	AX3 MIXED FLOW	
	AX4 CENTRIFUGAL	
	AX5 CENTRIFUGAL	
	JM AXIAL	
	ILC CENTRIFUGAL	
	LINEO MIXED FLOW	
4. SILENCERS	B_D, C_D CYLINDRICAL TYPE	
	WS SPLITTER TYPE	
	WAC ROOF CURB TYPE	
	CA CROSSTALK ATTENUATORS	
5. SPEED CONTROLLER	MSC ELECTRONIC SPEED CONTROLLER	
	R 5 STEP AUTO TRANSFORMER	
6. FAN LOUVRE BOXES	FLB AXIAL FAN LOUVRE BOX	
	CFB AXIAL FAN BOX	
7. ROOF COWLS	DSMR CO ROOF COWLS	
	DSP CO ROOF COWLS	
	DVPG CO VERTICAL DISCHARGE COWLS	
8. H.T SERIES SMOKE SPILL FANS: PLEASE ENQUIRY WITH OUR OFFICE		

2101

- Wall or Plate Mounted Axial Fan

SPECIFICATION

Sizes

315, 355, 450, 630, 710, 800, 1000mm diameter

Fan Performance

The fan is of large volume flow design. The impeller is designed to give excellent performance characteristic with large airflow and low static pressure development

Impellers

Size 315-710: Powder coated mild steel impact resistance propeller Blade

Size 500-1000: Plastic moulded and Clima Axial with Aluminium hub incorporating Engineering polymer composite material moulded Aerofoil blades. The impellers are balanced according to ISO1940.

Motor

Manufactured to comply AS1359 high efficiency IE2. Motor enclosure to feature IP55 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Plate

Galvanised steel plate. Impeller/motor assembly to be supported by a galvanised steel. Guards available to be fit as options.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

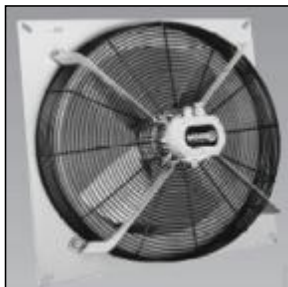
Sound levels – Established from tests in accordance with ISO3745

Woods Clima Axial Impeller



Plate Mounted Axial Fan

2101-3141



Impeller

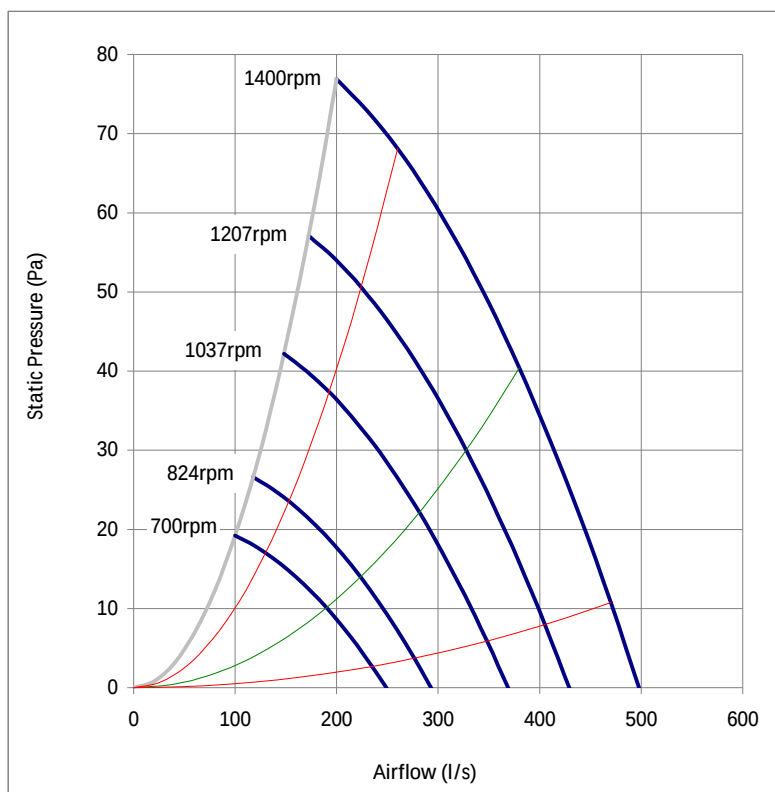
Size 310 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 1400 RPM
FLC 0.50 A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 7Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	77	0.07	230	68	68	67	65	64	62	62	56	49
1207	57	0.04	200	65	65	64	62	61	59	59	53	46
1037	42	0.03	170	61	61	60	58	57	55	55	49	42
824	27	0.01	130	56	56	55	53	52	50	50	44	37
700	19	0.01	110	53	53	52	50	49	47	47	41	34

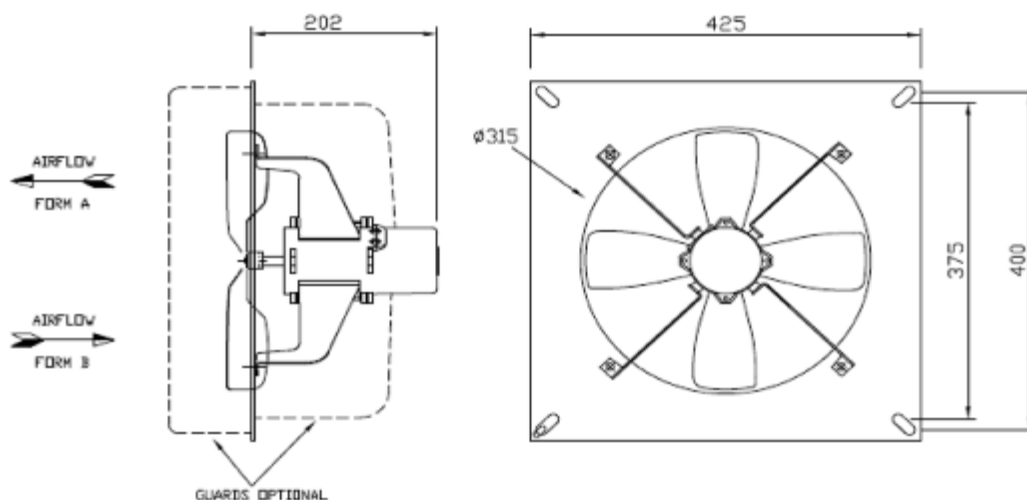
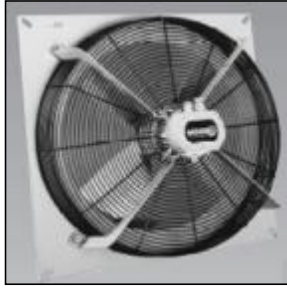


Plate Mounted Axial Fan

2101-3541



Impeller

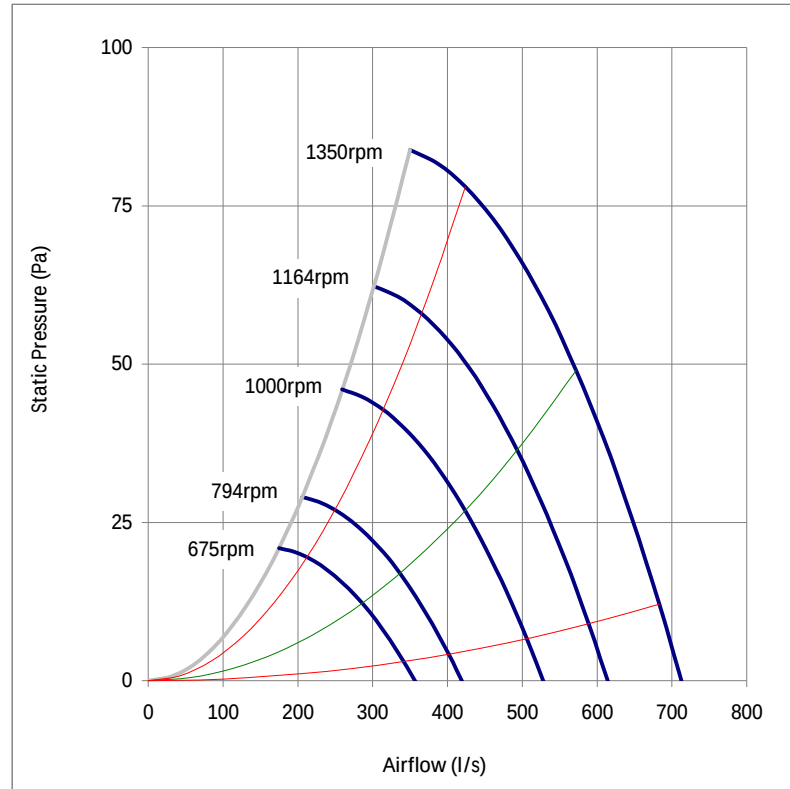
Size 350 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 0.80 A
Capacitor 5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 9kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	84	0.10	230	72	72	71	69	68	66	66	60	53
1164	62	0.06	200	69	69	68	66	65	63	63	57	50
1000	46	0.04	170	65	65	64	62	61	59	59	53	46
794	29	0.02	130	60	60	59	57	56	54	54	48	41
675	21	0.01	110	57	57	56	54	53	51	51	45	38

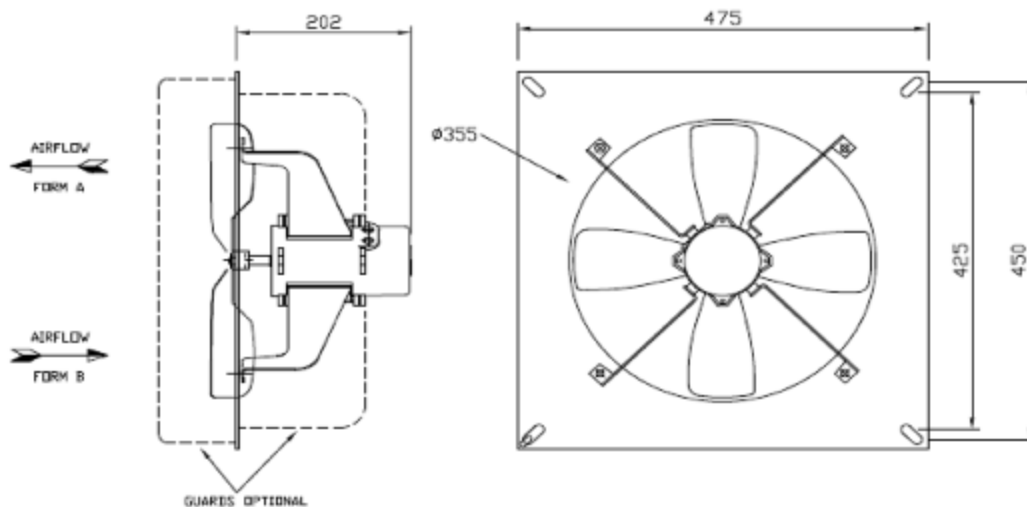
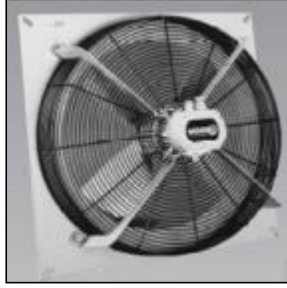


Plate Mounted Axial Fan

2101-4541



Impeller

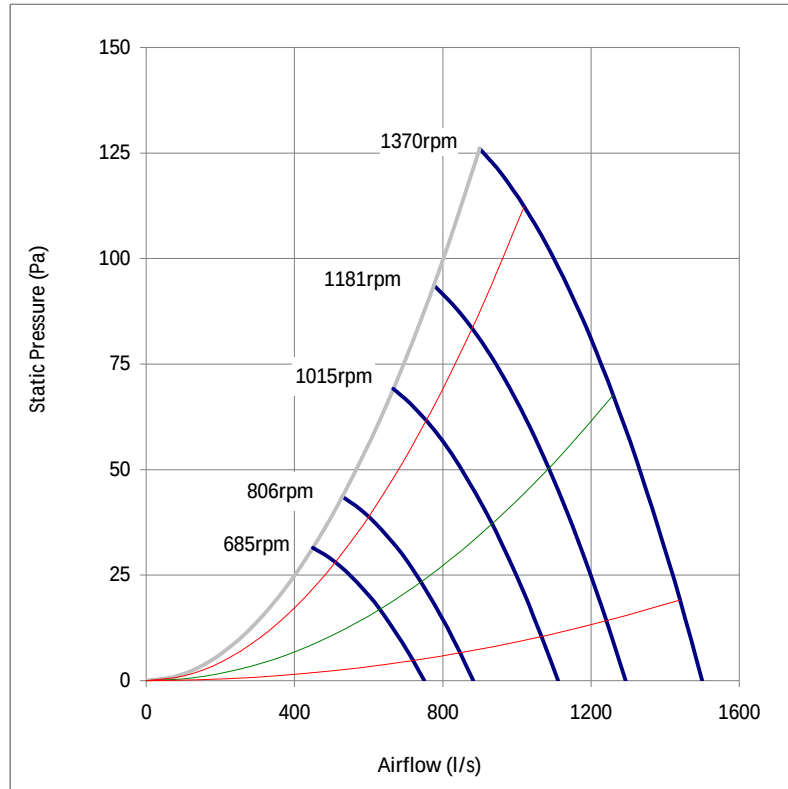
Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.31 Kw
Power Supply 230V/1PH/50Hz
Speed 1370 RPM
FLC 2.20 A
Capacitor -
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1370	126	0.31	230	79	79	78	76	75	73	73	67	60
1181	94	0.20	200	76	76	75	73	72	70	70	64	57
1015	69	0.13	170	72	72	71	69	68	66	66	60	53
806	44	0.06	130	67	67	66	64	63	61	61	55	48
685	32	0.04	110	64	64	63	61	60	58	58	52	45

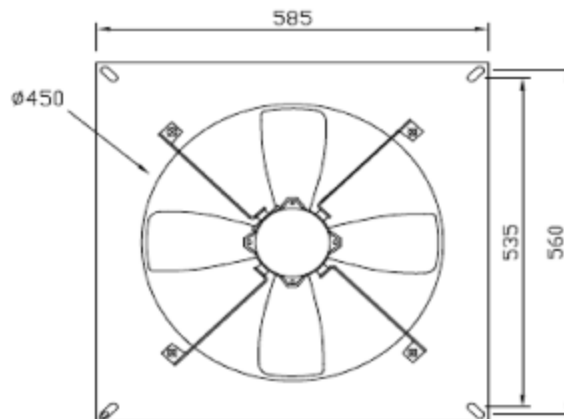
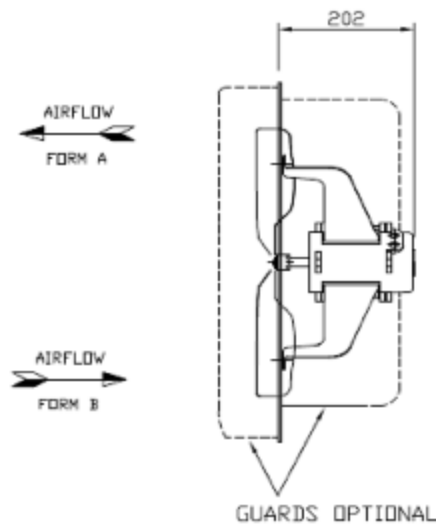
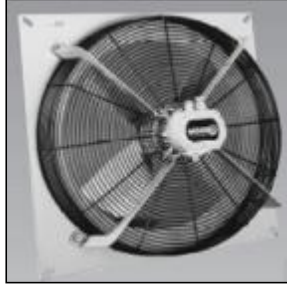


Plate Mounted Axial Fan

2101-4543



Impeller

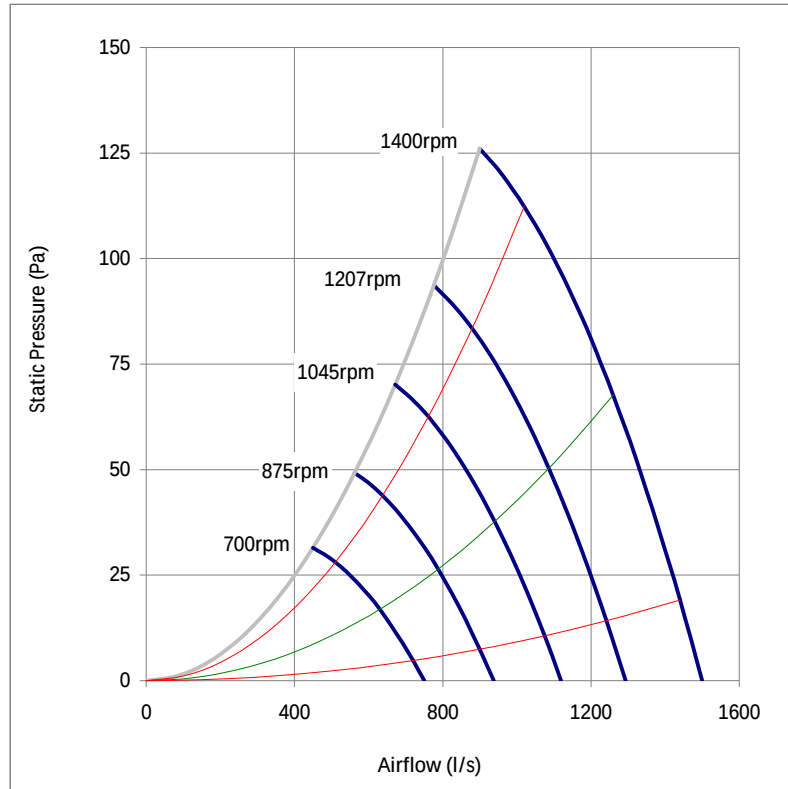
Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.37 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 RPM
FLC 0.90 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	126	0.37	50	79	79	78	76	75	73	73	67	60
1207	94	0.24	43	76	76	75	73	72	70	70	64	57
1045	70	0.15	37	73	73	72	70	69	67	67	61	54
875	49	0.09	31	69	69	68	66	65	63	63	57	50
700	32	0.05	25	64	64	63	61	60	58	58	52	45

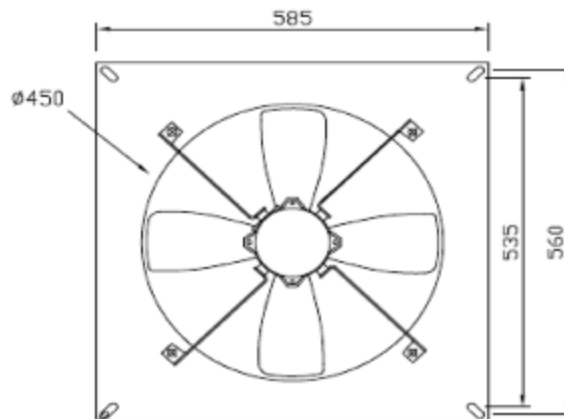
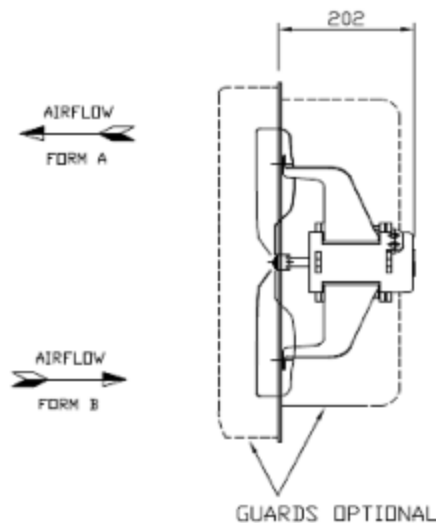
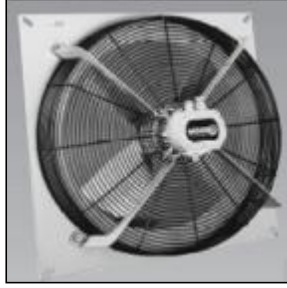


Plate Mounted Axial Fan

2101-4561



Impeller

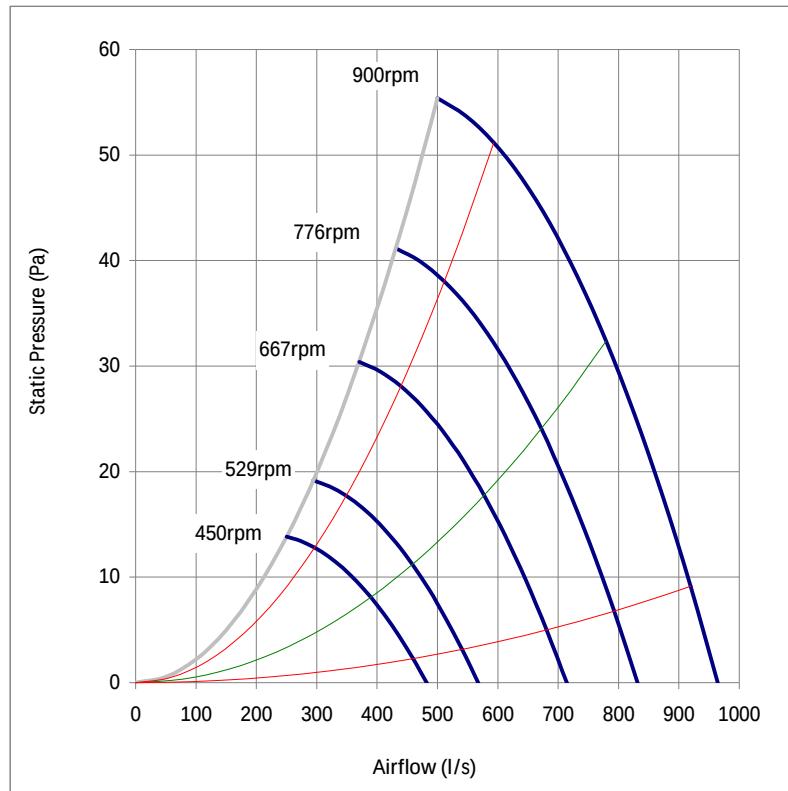
Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 1.00 A
Capacitor -
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	55	0.08	230	69	69	68	66	65	63	63	57	50
776	41	0.05	200	66	66	65	63	62	60	60	54	47
667	30	0.03	170	62	62	61	59	58	56	56	50	43
529	19	0.02	130	57	57	56	54	53	51	51	45	38
450	14	0.01	110	54	54	53	51	50	48	48	42	35

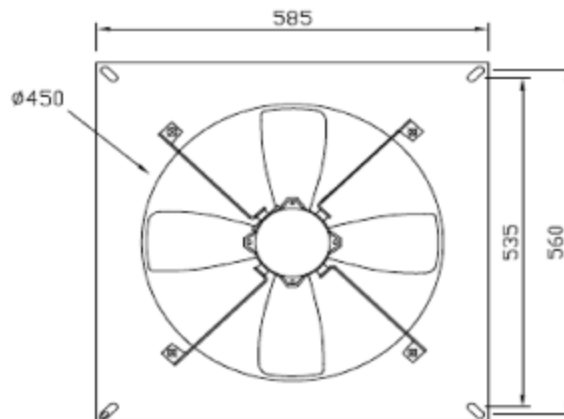
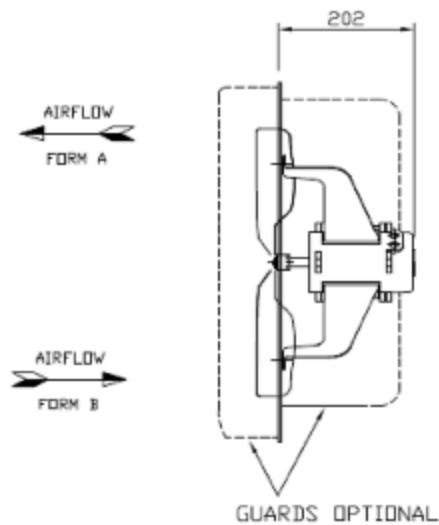
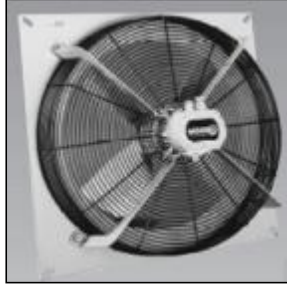


Plate Mounted Axial Fan

2101-4563



Impeller

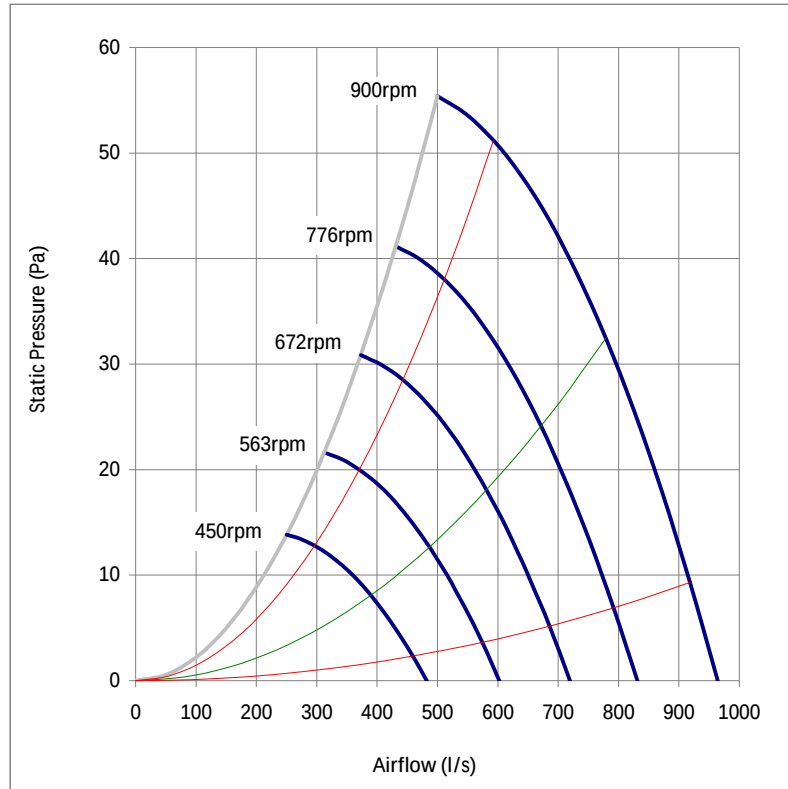
Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.18 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 0.50 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	55	0.18	50	69	69	68	66	65	63	63	57	50
776	41	0.12	43	66	66	65	63	62	60	60	54	47
672	31	0.07	37	63	63	62	60	59	57	57	51	44
563	22	0.04	31	59	59	58	56	55	53	53	47	40
450	14	0.02	25	54	54	53	51	50	48	48	42	35

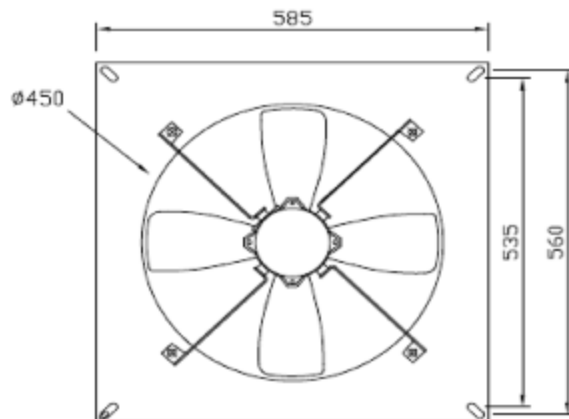
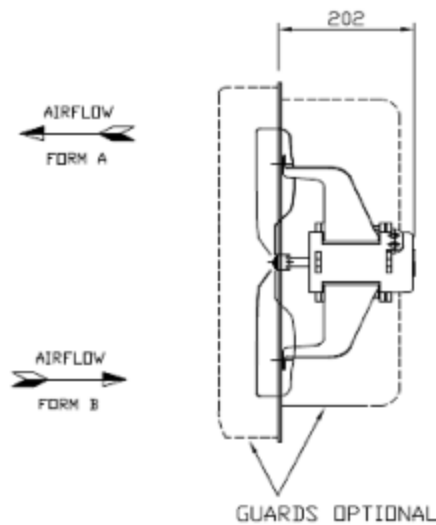
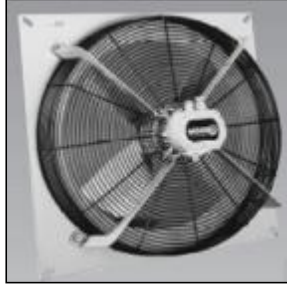


Plate Mounted Axial Fan

2101-5041



Impeller

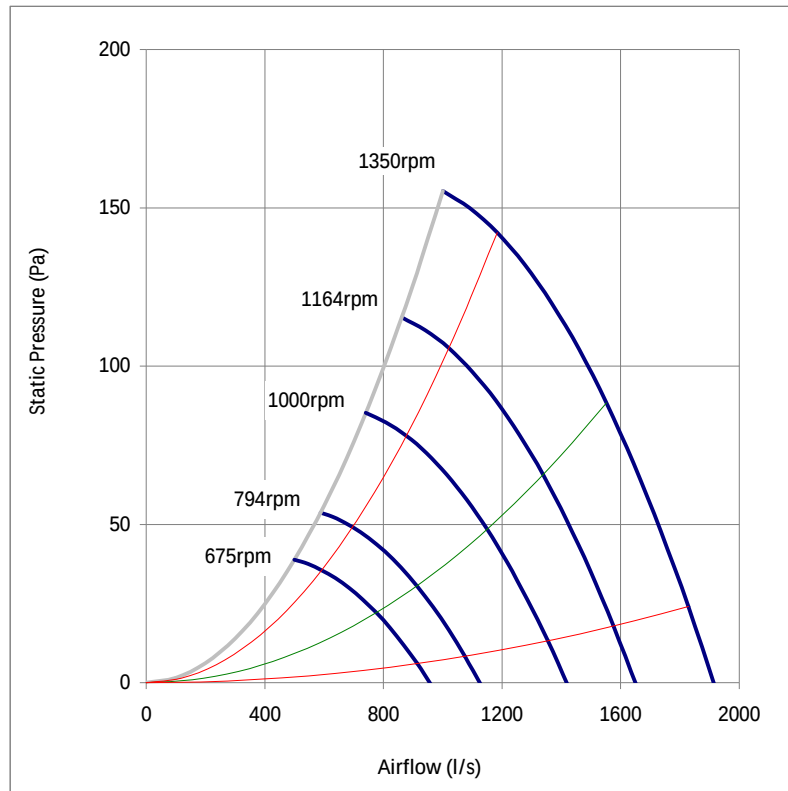
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.52 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 2.80 A
Capacitor 15 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 12Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	155	0.52	230	79	81	81	79	77	76	73	67	62
1164	115	0.33	200	76	78	78	76	74	73	70	64	59
1000	85	0.21	170	72	74	74	72	70	69	66	60	55
794	54	0.11	130	67	69	69	67	65	64	61	55	50
675	39	0.07	110	64	66	66	64	62	61	58	52	47

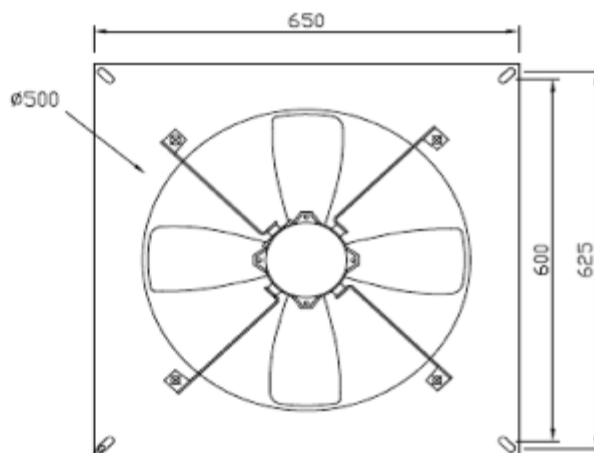
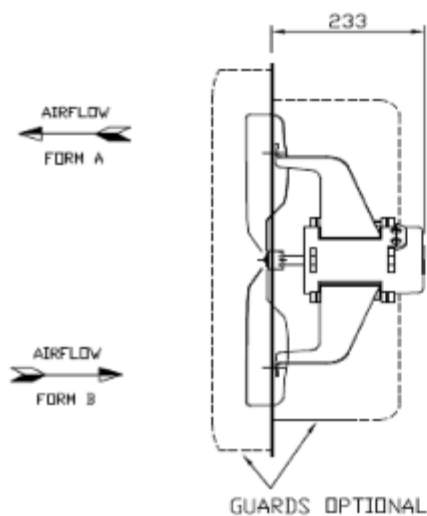
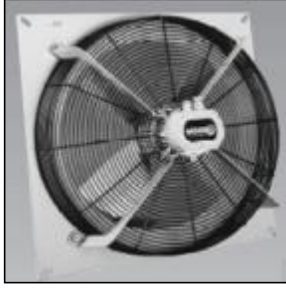


Plate Mounted Axial Fan

2101-5061



Impeller

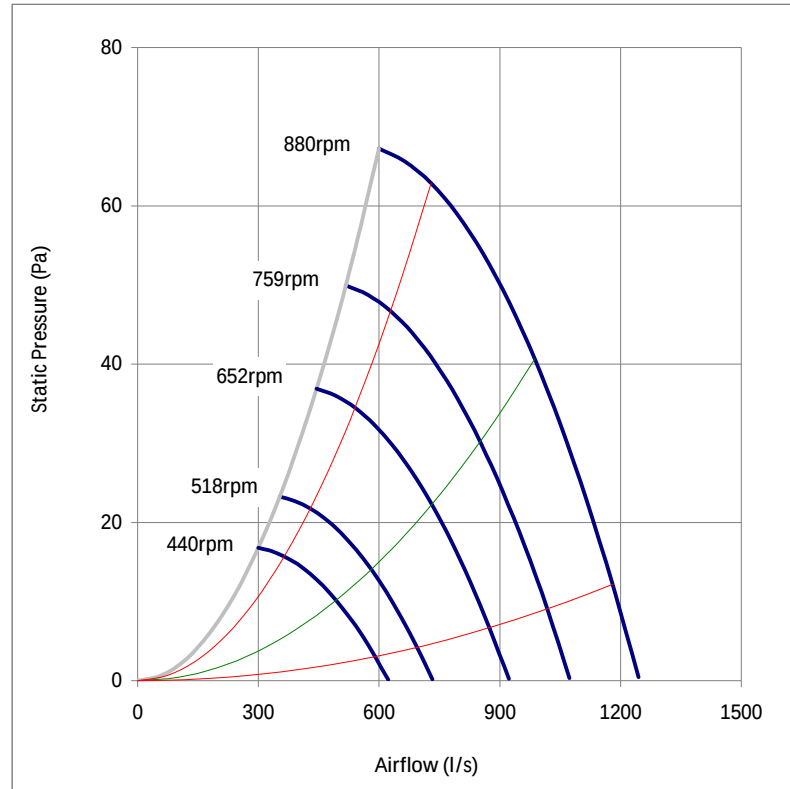
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 230V/1PH/50Hz
Speed 880 RPM
FLC 1.80 A
Capacitor 8 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 12Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	67	0.22	230	69	71	71	69	67	66	63	57	52
759	50	0.14	200	66	68	68	66	64	63	60	54	49
652	37	0.09	170	62	64	64	62	60	59	56	50	45
518	23	0.04	130	57	59	59	57	55	54	51	45	40
440	17	0.03	110	54	56	56	54	52	51	48	42	37

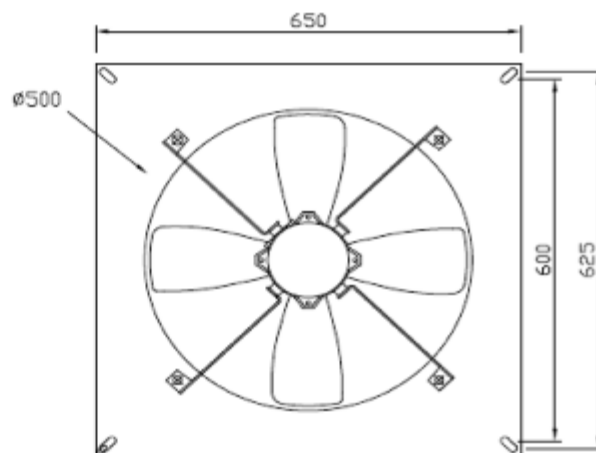
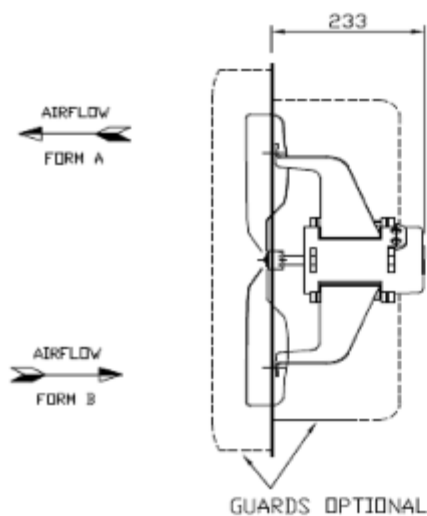
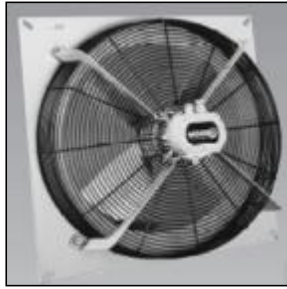


Plate Mounted Axial Fan

2101-6361



Impeller

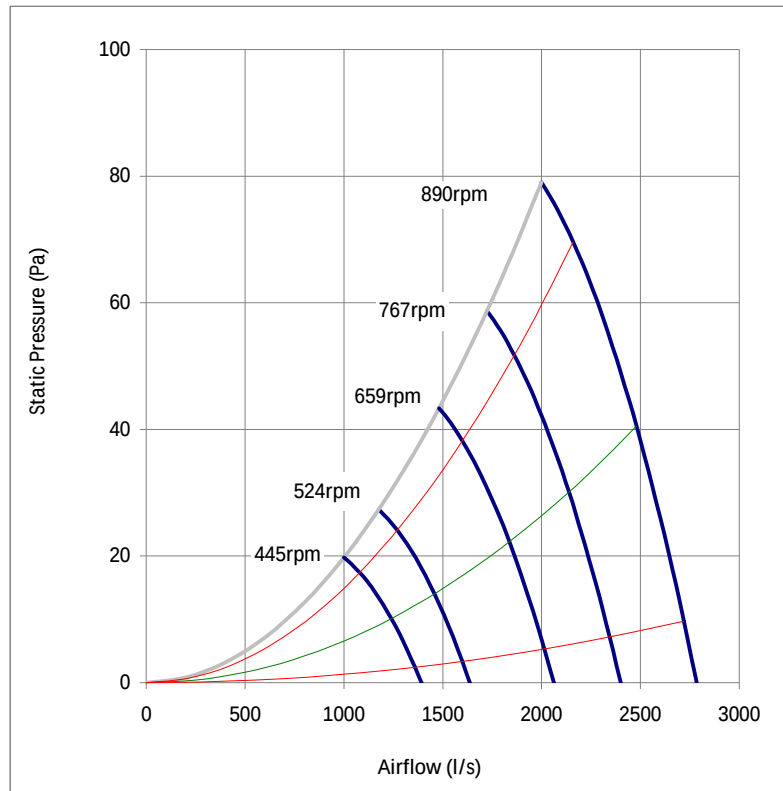
Size 630 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.43 Kw
Power Supply 230V/1PH/50Hz
Speed 890 RPM
FLC 3.30 A
Capacitor -
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 18Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
890	79	0.43	230	77	79	79	77	75	74	71	65	60
767	59	0.28	200	74	76	76	74	72	71	68	62	57
659	43	0.17	170	70	72	72	70	68	67	64	58	53
524	27	0.09	130	65	67	67	65	63	62	59	53	48
445	20	0.05	110	62	64	64	62	60	59	56	50	45

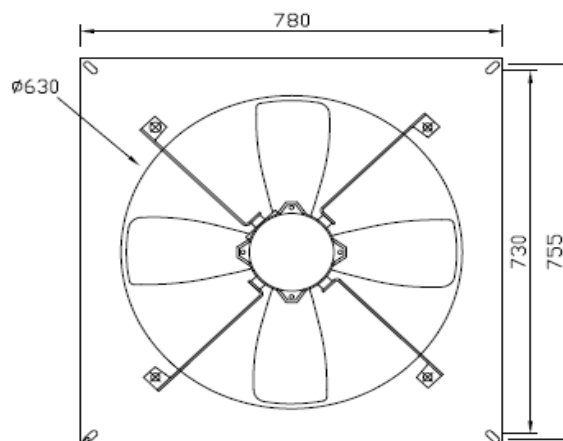
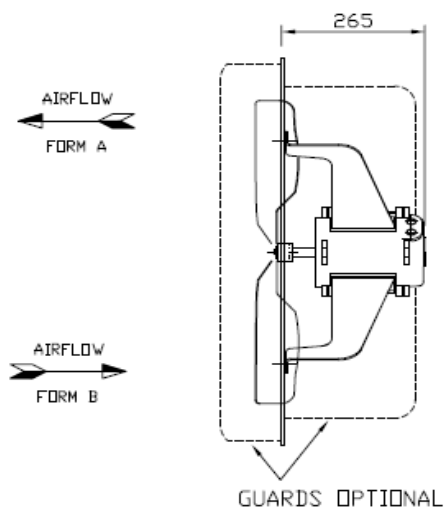
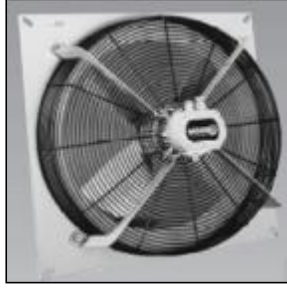


Plate Mounted Axial Fan

2101-6363



Impeller

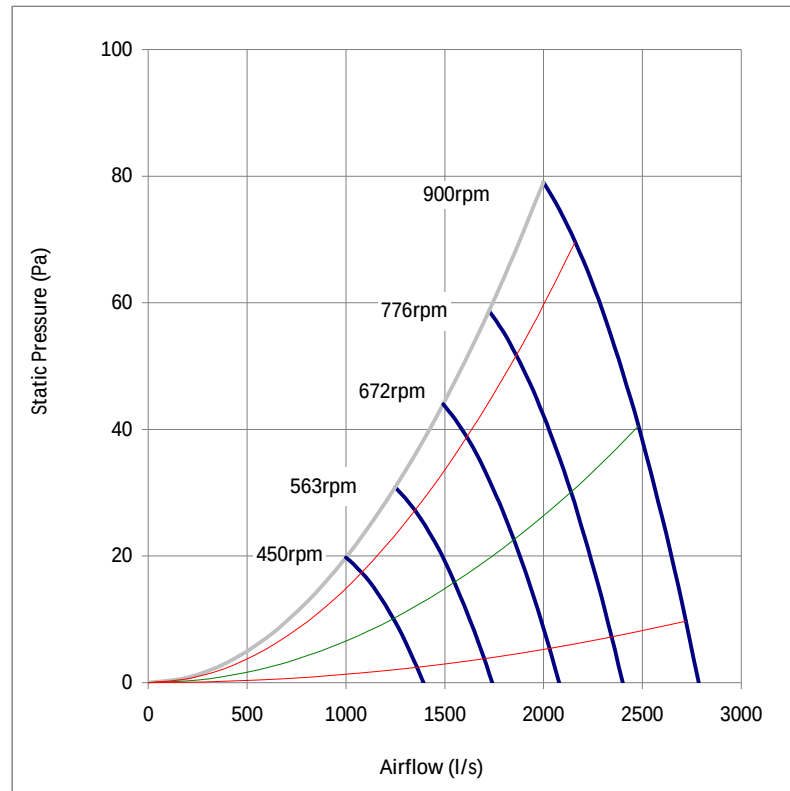
Size 630 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 900 RPM
FLC 1.80 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 18Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	79	0.55	50	77	79	79	77	75	74	71	65	60
776	59	0.35	43	74	76	76	74	72	71	68	62	57
672	44	0.23	37	71	73	73	71	69	68	65	59	54
563	31	0.13	31	67	69	69	67	65	64	61	55	50
450	20	0.07	25	62	64	64	62	60	59	56	50	45

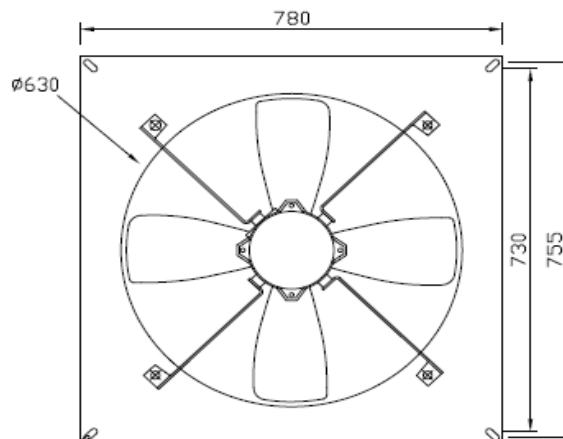
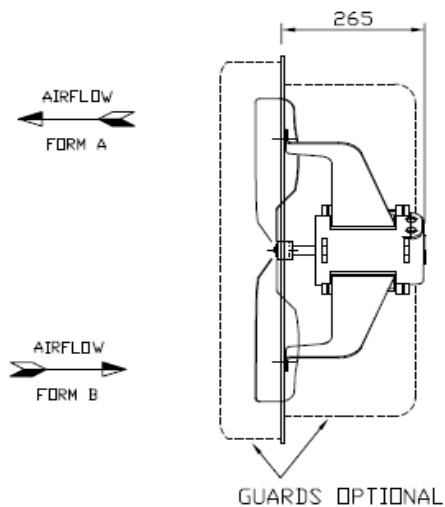
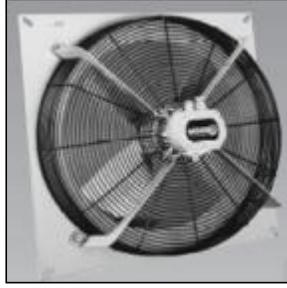


Plate Mounted Axial Fan

2101-7161



Impeller

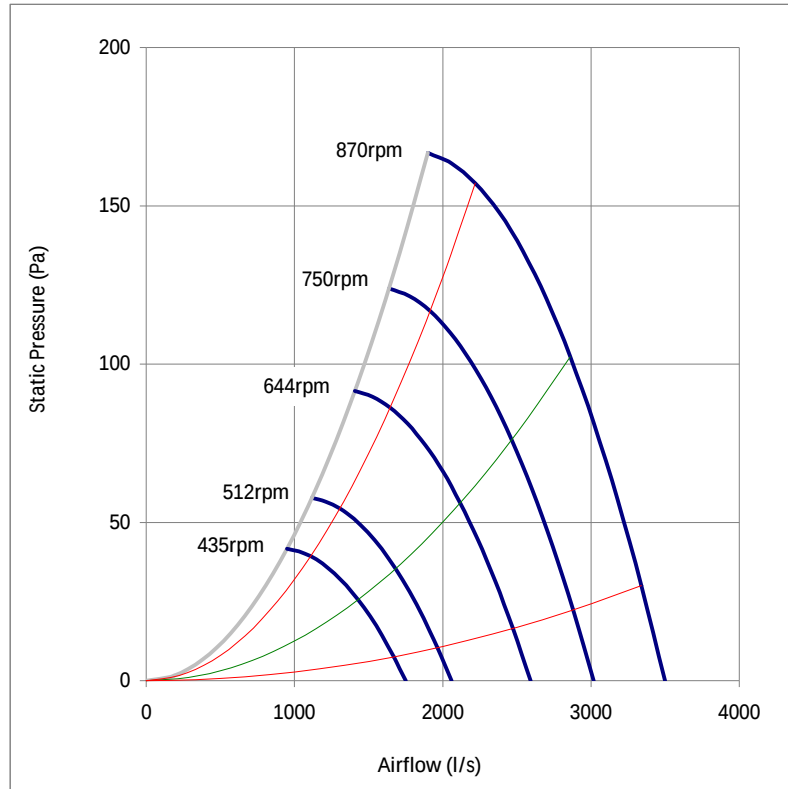
Size 710 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.49 Kw
Power Supply 230V/1PH/50Hz
Speed 870 RPM
FLC 3.30 A
Capacitor -
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 19Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	167	0.49	50	80	82	82	80	78	77	74	68	63
750	124	0.31	43	77	79	79	77	75	74	71	65	60
644	91	0.20	37	73	75	75	73	71	70	67	61	56
512	58	0.10	29	68	70	70	68	66	65	62	56	51
435	42	0.06	25	65	67	67	65	63	62	59	53	48

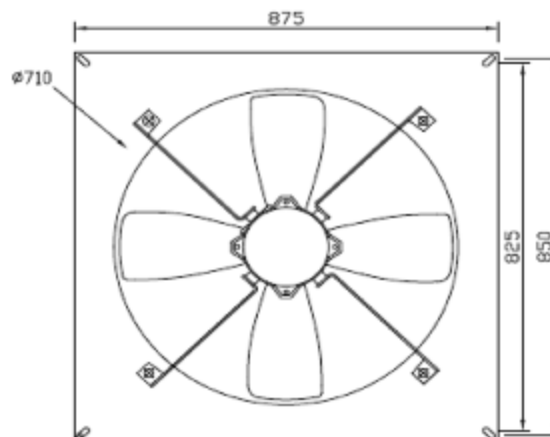
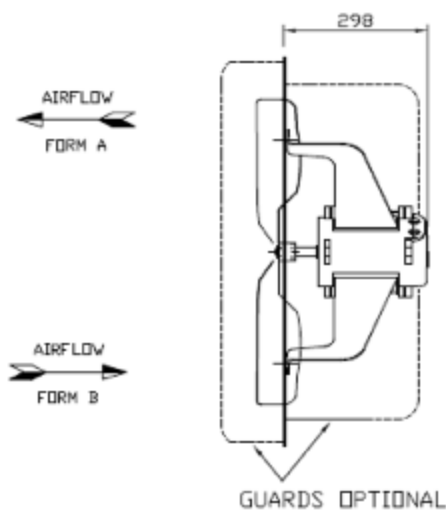
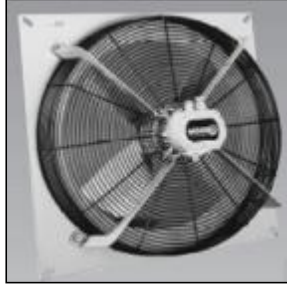


Plate Mounted Axial Fan

2101-7163



Impeller

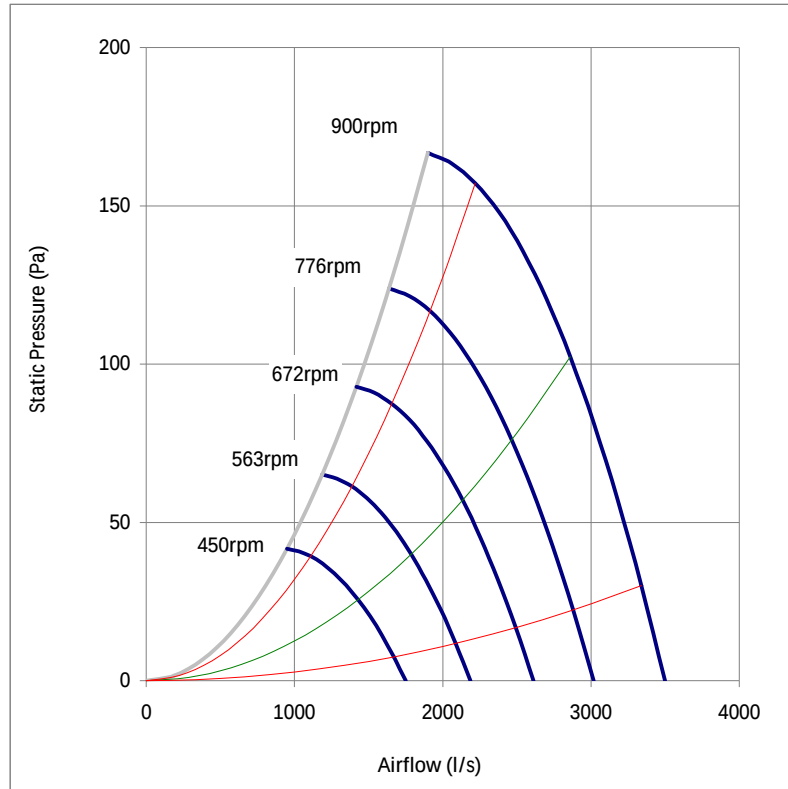
Size 710 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 900 RPM
FLC 1.80 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 19Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	167	0.55	50	80	82	82	80	78	77	74	68	63
776	124	0.35	43	77	79	79	77	75	74	71	65	60
672	93	0.23	37	74	76	76	74	72	71	68	62	57
563	65	0.13	31	70	72	72	70	68	67	64	58	53
450	42	0.07	25	65	67	67	65	63	62	59	53	48

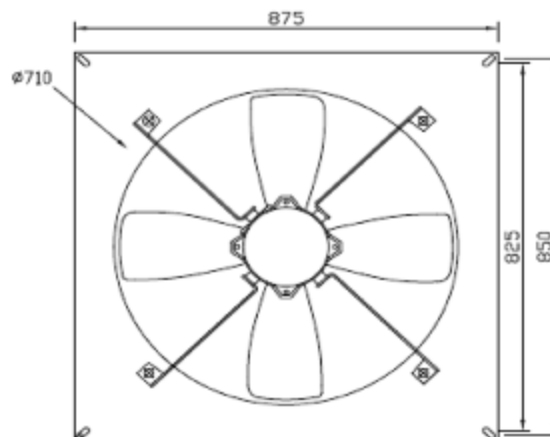
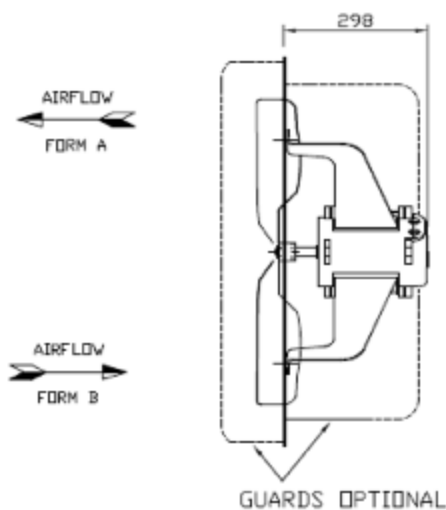
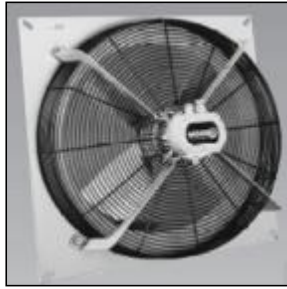


Plate Mounted Axial Fan

2101-8063



Impeller

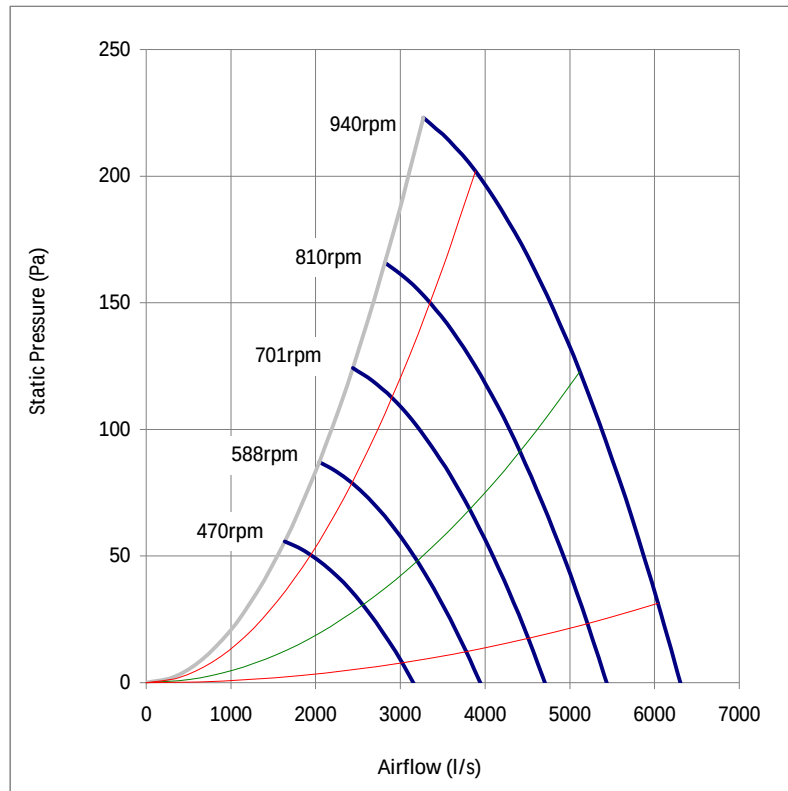
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 4.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 42Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	223	1.50	50	76	78	80	78	74	71	67	62	58
810	166	0.96	43	73	75	77	75	71	68	64	59	55
701	124	0.62	37	70	72	74	72	68	65	61	56	52
588	87	0.37	31	66	68	70	68	64	61	57	52	48
470	56	0.19	25	61	63	65	63	59	56	52	47	43

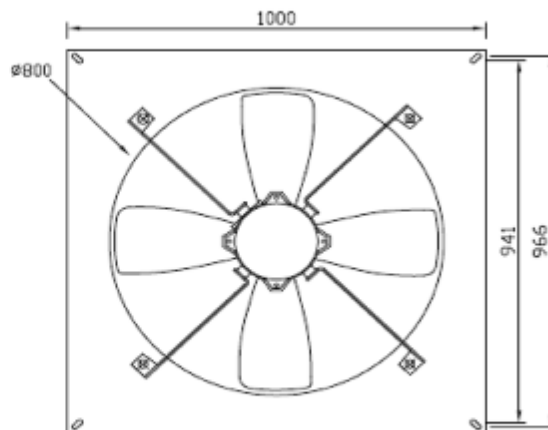
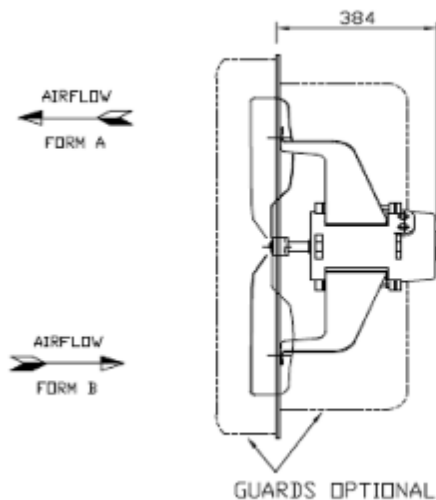
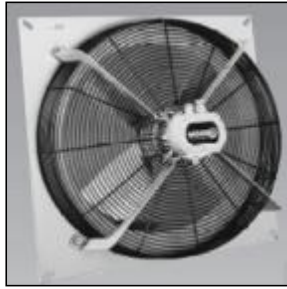


Plate Mounted Axial Fan

2101-8083



Impeller

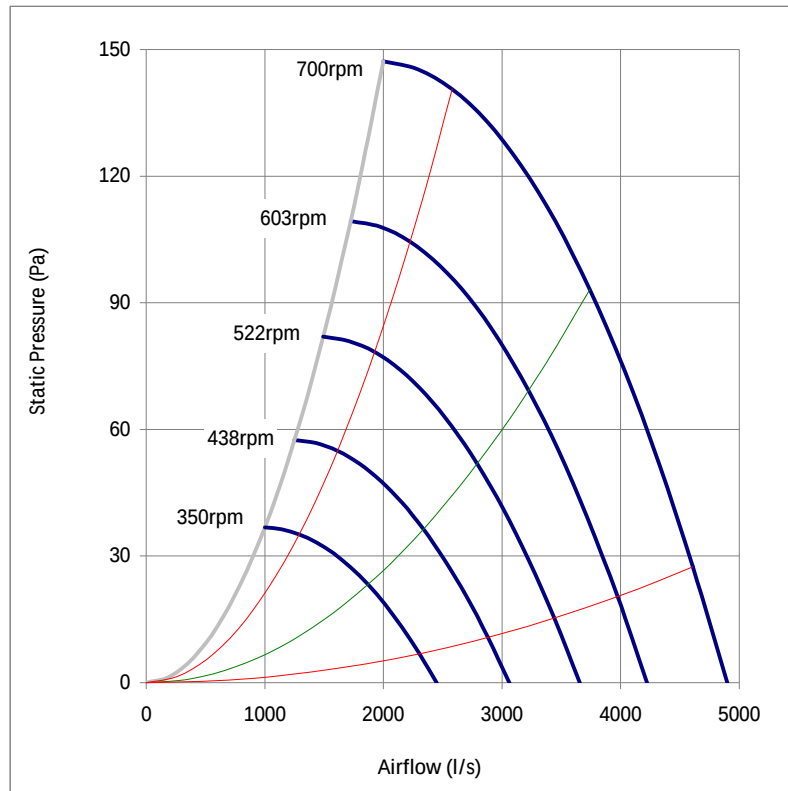
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 700 RPM
FLC 2.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 42Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
700	147	0.75	50	70	72	74	72	68	65	61	56	52
603	109	0.48	43	67	69	71	69	65	62	58	53	49
522	82	0.31	37	64	66	68	66	62	59	55	50	46
438	57	0.18	31	60	62	64	62	58	55	51	46	42
350	37	0.09	25	55	57	59	57	53	50	46	41	37

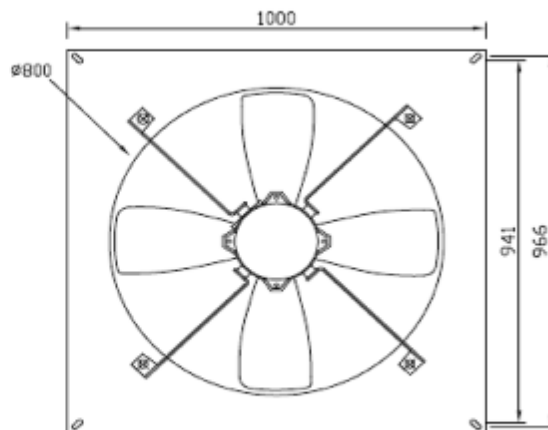
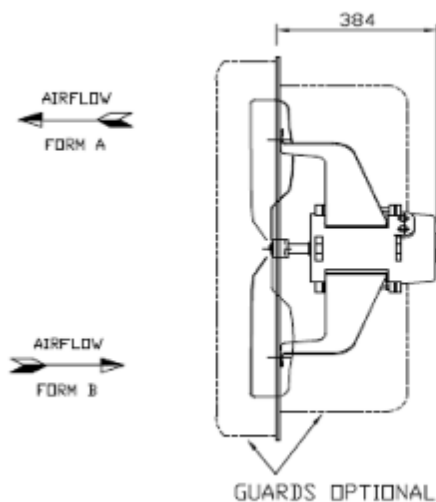
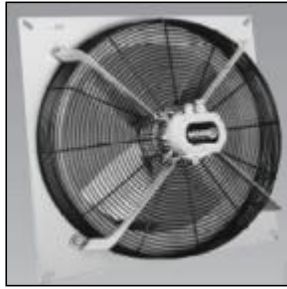


Plate Mounted Axial Fan

2101-10063



Impeller

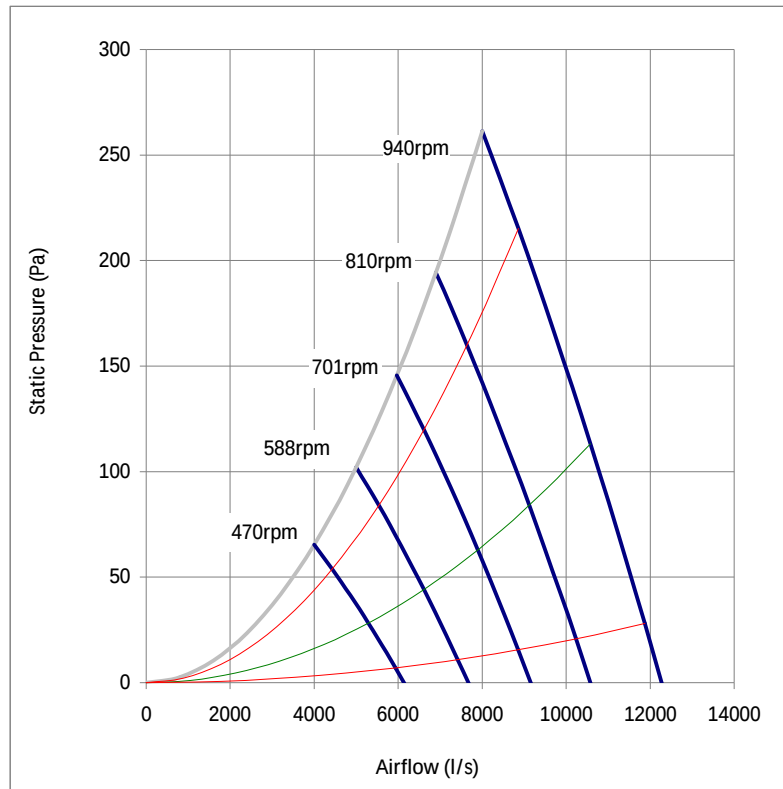
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 4.00 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 9.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 65Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	261	4.00	50	88	88	86	85	85	82	78	74	68
810	194	2.56	43	85	85	83	82	82	79	75	71	65
701	146	1.66	37	82	82	80	79	79	76	72	68	62
588	102	0.98	31	78	78	76	75	75	72	68	64	58
470	65	0.50	25	73	73	71	70	70	67	63	59	53

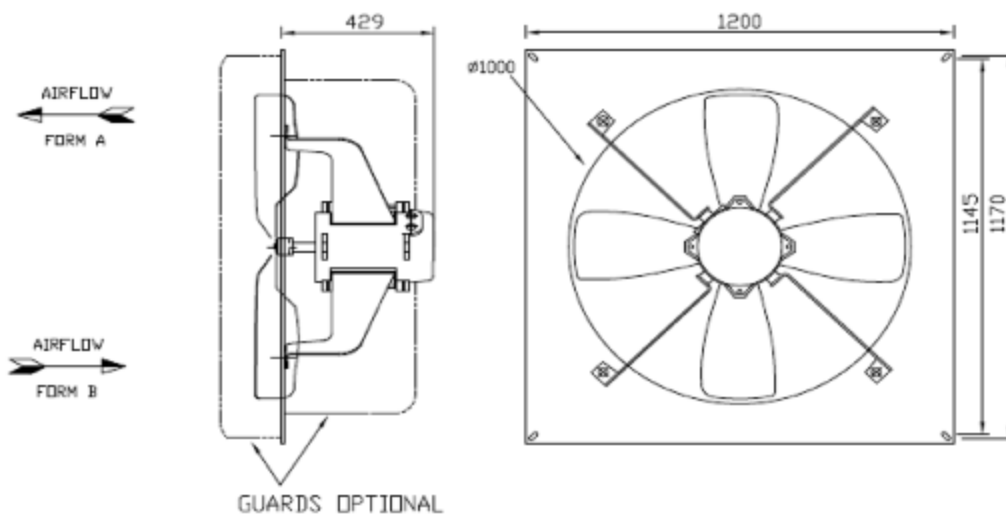
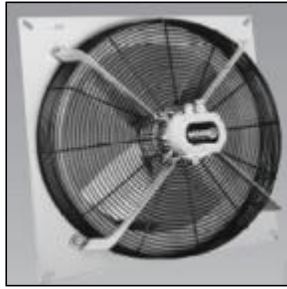


Plate Mounted Axial Fan

2101-10063



Impeller

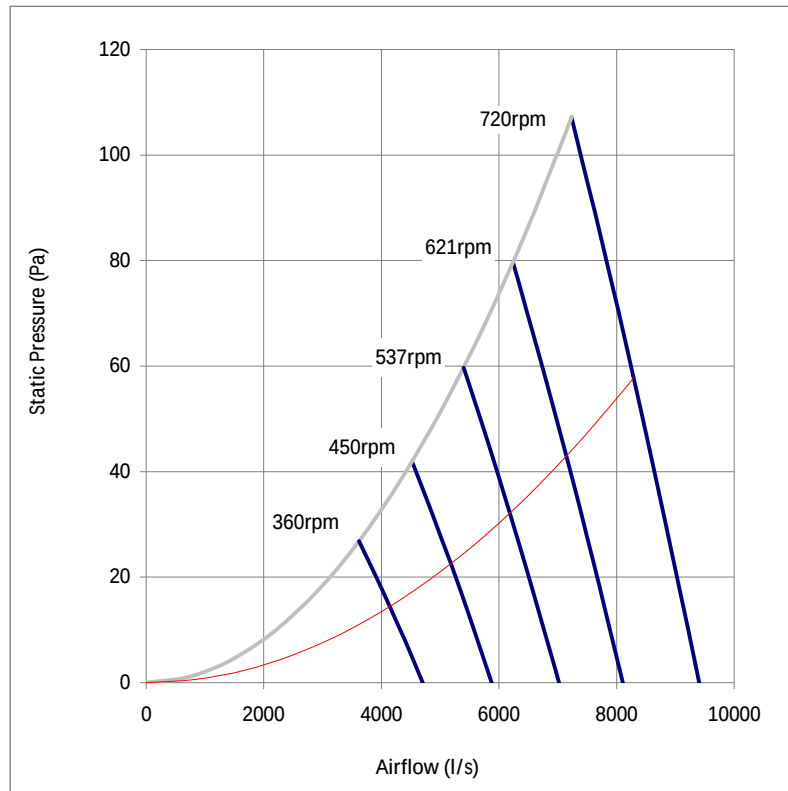
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

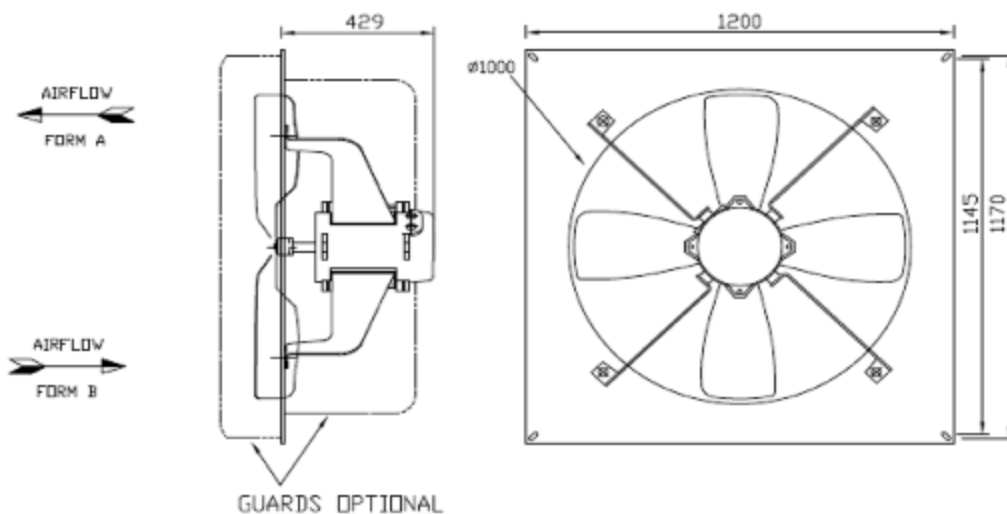
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.55 Kw
Power Supply 400V/3PH/50Hz
Speed 720 RPM
FLC 4.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 65Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
720	107	1.55	50	82	82	80	79	79	76	72	68	62
621	80	0.99	43	79	79	77	76	76	73	69	65	59
537	60	0.64	37	76	76	74	73	73	70	66	62	56
450	42	0.38	31	72	72	70	69	69	66	62	58	52
360	27	0.19	25	67	67	65	64	64	61	57	53	47



2102

- Wall or Plate Mounted Axial Fan

SPECIFICATION

Sizes

300, 315, 355, 450, 670, 710mm diameter

Fan Performance

The fan is of large volume flow design. The impeller is designed to give excellent performance characteristic with large airflow and low static pressure development

Impellers

Flaktwoods aerofoil section glass filled polypropylene impeller suited to more highly corrosive environments. The impellers are balanced according to ISO1940.

Motor

Manufactured to comply AS1359 high efficiency IE2. Motor enclosure to feature IP55 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Plate

Steel plate with powder coating finish. Impeller/motor assembly to be supported by galvanised steel. Motor side guards to be fit as standards.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997
Sound levels – Established from tests in accordance with ISO3745

Woods Clima Axial Impeller



Plate Mounted Axial Fan

2102-3041



Impeller

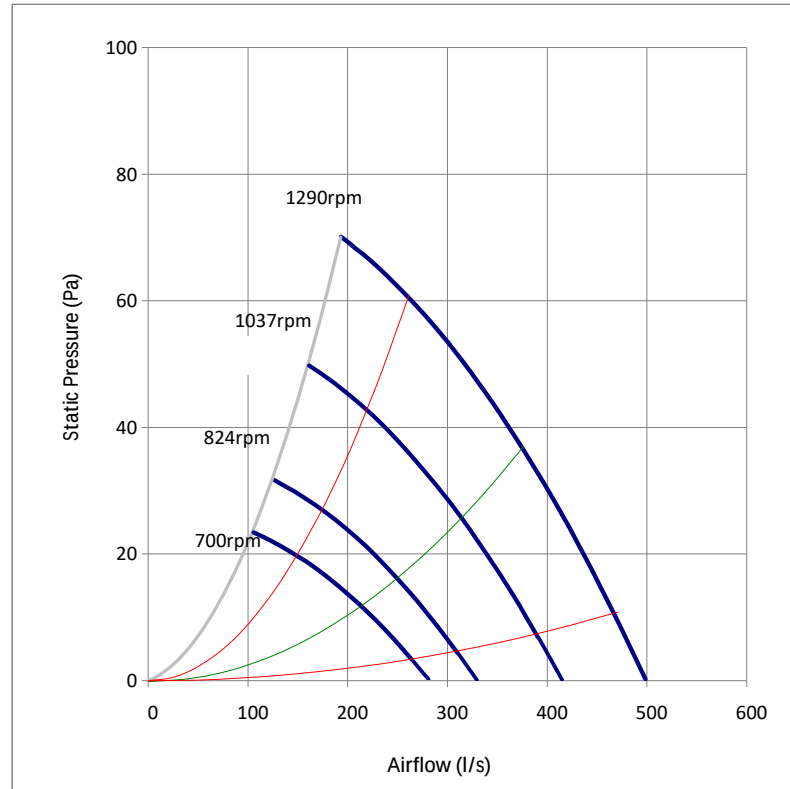
Size 300 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Aluminium

Motor

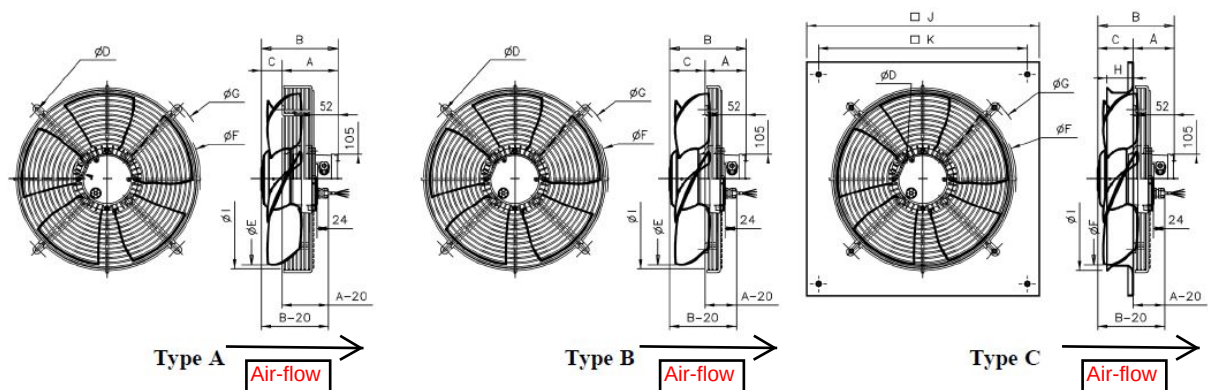
Type S0300
IP Rating 55
Insulation Class 155
Power 0.110 Kw
Power Supply 230V/1PH/50Hz
Speed 1290 RPM
FLC 0.55 A
Capacitor 3.5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Pre-Galvanised steel
Weight 6.8 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1290	70	0.04	230	61	66	67	65	63	58	53	48	46
1037	45	0.03	170	57	62	63	61	59	54	49	44	42
824	29	0.01	130	52	57	58	56	54	49	44	39	37
700	21	0.01	110	49	54	55	53	51	46	41	36	34



Dimensions [mm]	A	B	C	D	E	F	G	H	I	J	K		
Type A	118	158	40	360	300	340	417	-	330	-	-	M6	5.0 kg
Type B	82	158	76	360	300	352	396	-	336	-	-	M6	5.0 kg
Type C	82	158	76	360	300	352	396	55	336	430	380	M6	6.8 kg

Plate Mounted Axial Fan

2102-3141



Impeller

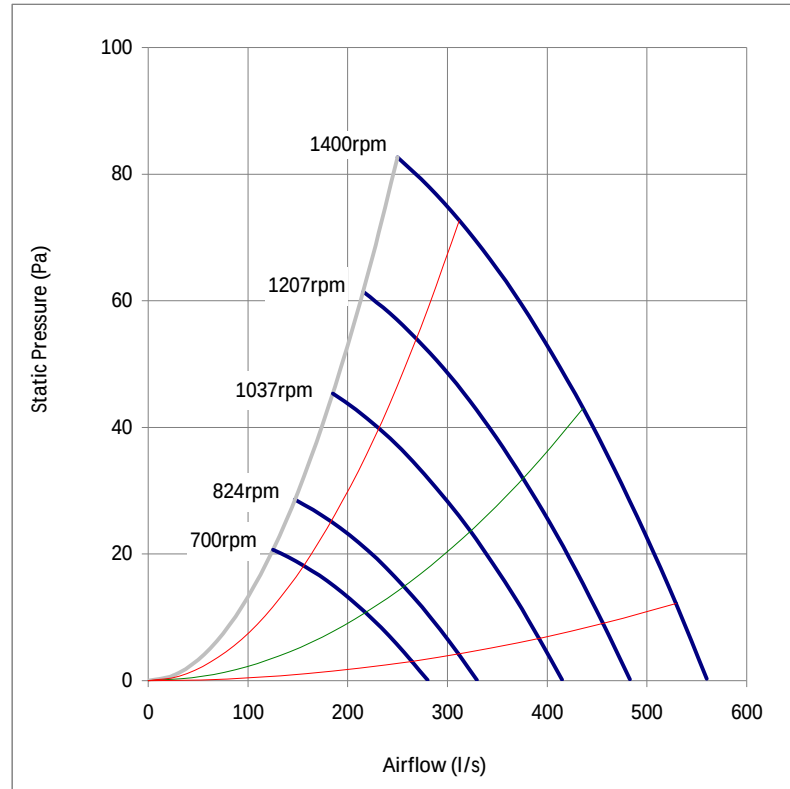
Size 310 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 1400 RPM
FLC 0.50 A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Powder coated steel
Weight 7Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	83	0.07	230	64	69	70	68	66	61	56	51	49
1207	61	0.04	200	61	66	67	65	63	58	53	48	46
1037	45	0.03	170	57	62	63	61	59	54	49	44	42
824	29	0.01	130	52	57	58	56	54	49	44	39	37
700	21	0.01	110	49	54	55	53	51	46	41	36	34

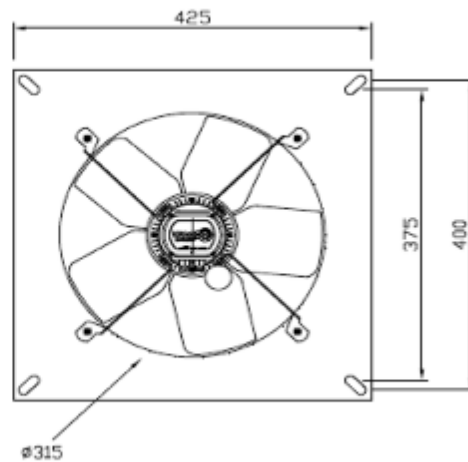
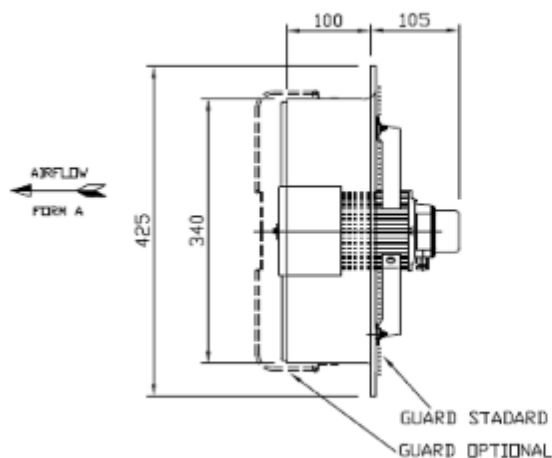


Plate Mounted Axial Fan

2102-3541



Impeller

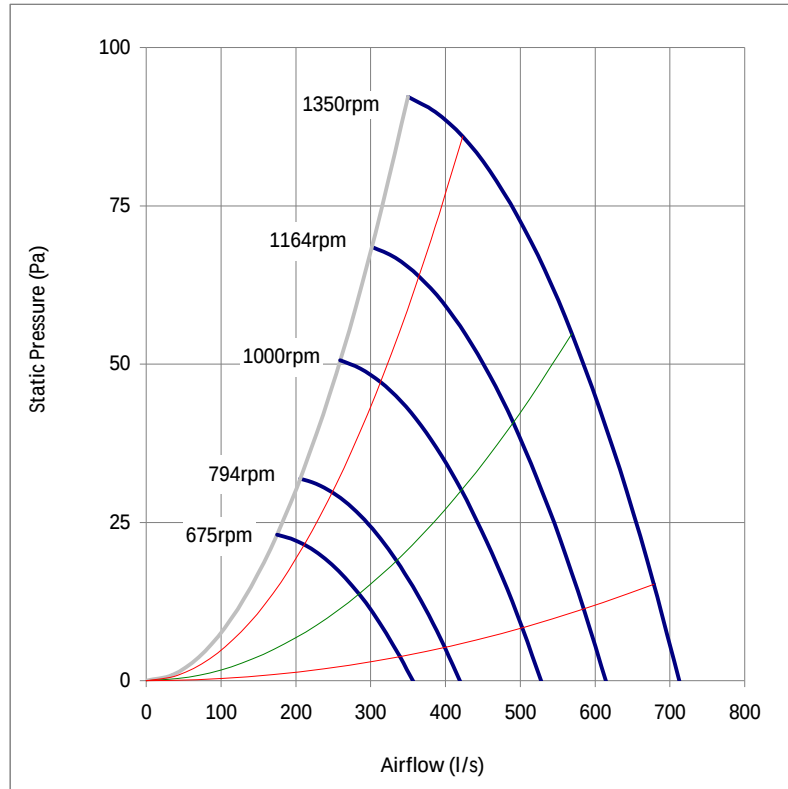
Size 350 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 0.80 A
Capacitor 5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Powder coated steel
Weight 9kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	92	0.10	230	66	71	73	72	69	64	58	52	53
1164	69	0.06	200	63	68	70	69	66	61	55	49	50
1000	51	0.04	170	59	64	66	65	62	57	51	45	46
794	32	0.02	130	54	59	61	60	57	52	46	40	41
675	23	0.01	110	51	56	58	57	54	49	43	37	38

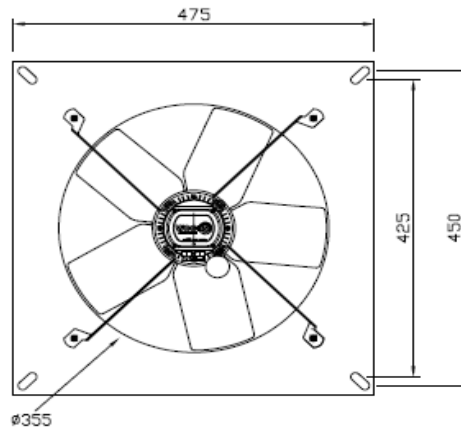
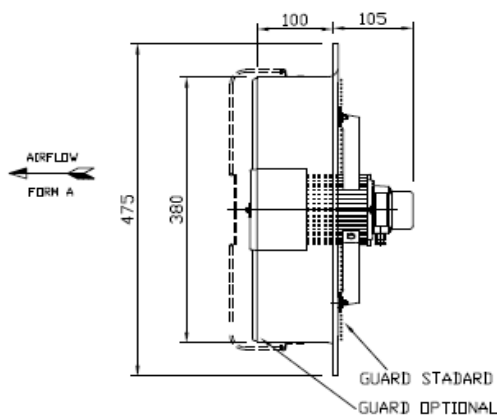


Plate Mounted Axial Fan

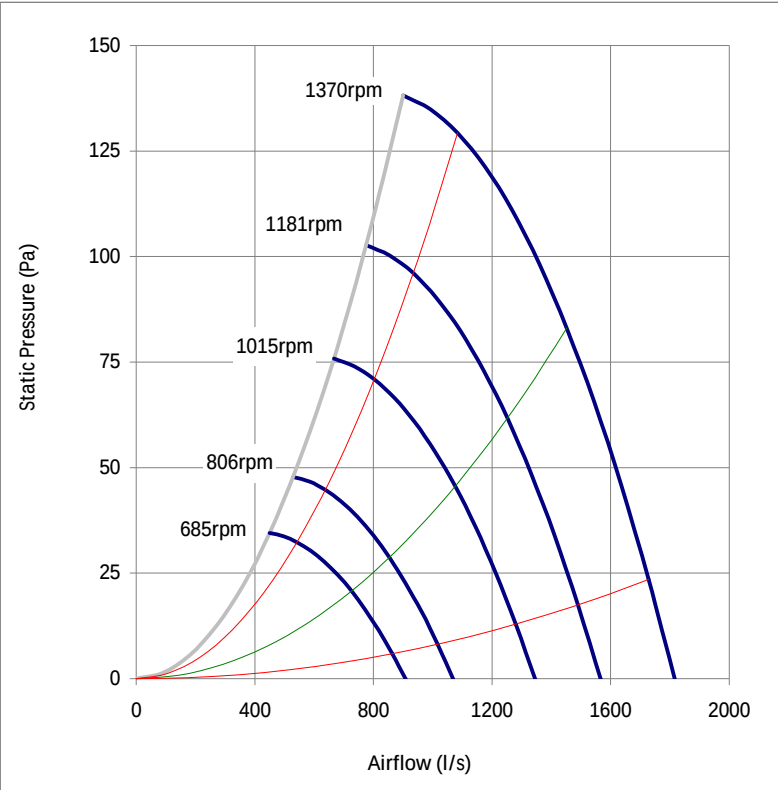
2102-4541



Impeller
 Size 450 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Aluminium

Motor
 Type TEFC
 IP Rating 55
 Insulation Class 155
 Power 0.31 Kw
 Power Supply 230V/1PH/50Hz
 Speed 1370 RPM
 FLC 2.20 A
 Capacitor -
 Control RE1.5, 5 Step Controller
 Protection Thermal Contacts

Fan
 Plate Powder coated steel
 Weight 10Kg
 Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1370	138	0.31	230	72	77	81	81	76	70	63	56	60
1181	103	0.20	200	69	74	78	78	73	67	60	53	57
1015	76	0.13	170	65	70	74	74	69	63	56	49	53
806	48	0.06	130	60	65	69	69	64	58	51	44	48
685	35	0.04	110	57	62	66	66	61	55	48	41	45

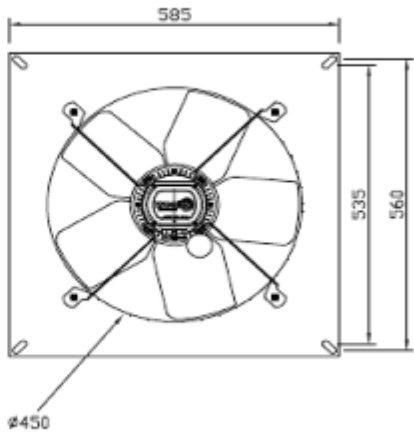
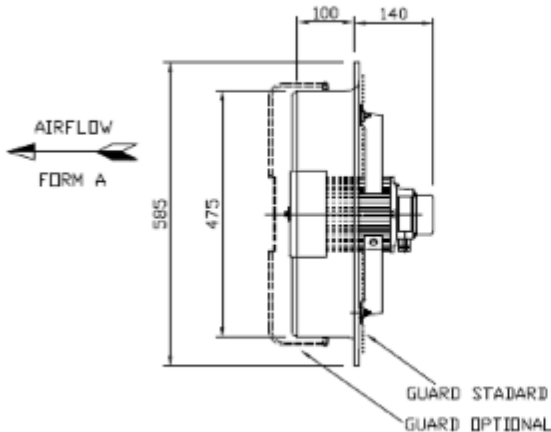


Plate Mounted Axial Fan

2102-4543



Impeller

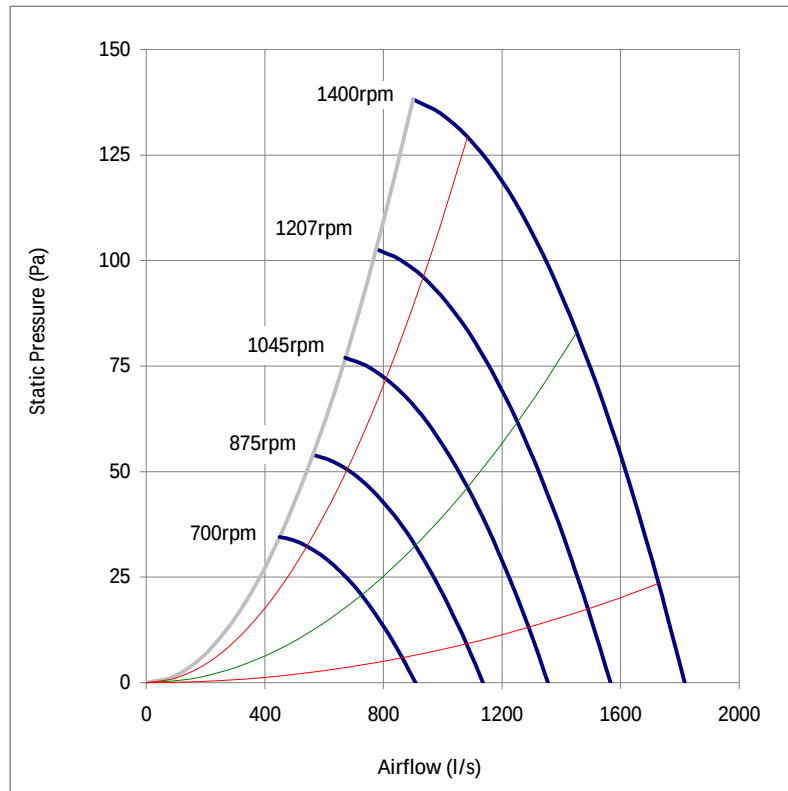
Size 450 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.37 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 RPM
FLC 0.90 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Powder coated steel
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	138	0.37	50	72	77	81	81	76	70	63	56	60
1207	103	0.24	43	69	74	78	78	73	67	60	53	57
1045	77	0.15	37	66	71	75	75	70	64	57	50	54
875	54	0.09	31	62	67	71	71	66	60	53	46	50
700	35	0.05	25	57	62	66	66	61	55	48	41	45

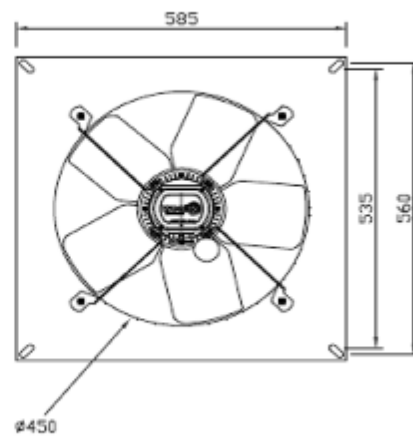
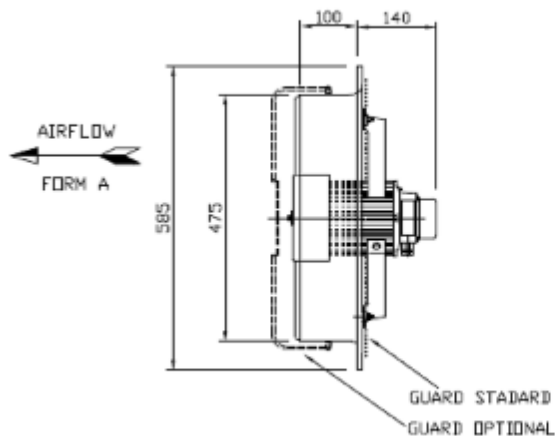


Plate Mounted Axial Fan

2102-4561



Impeller

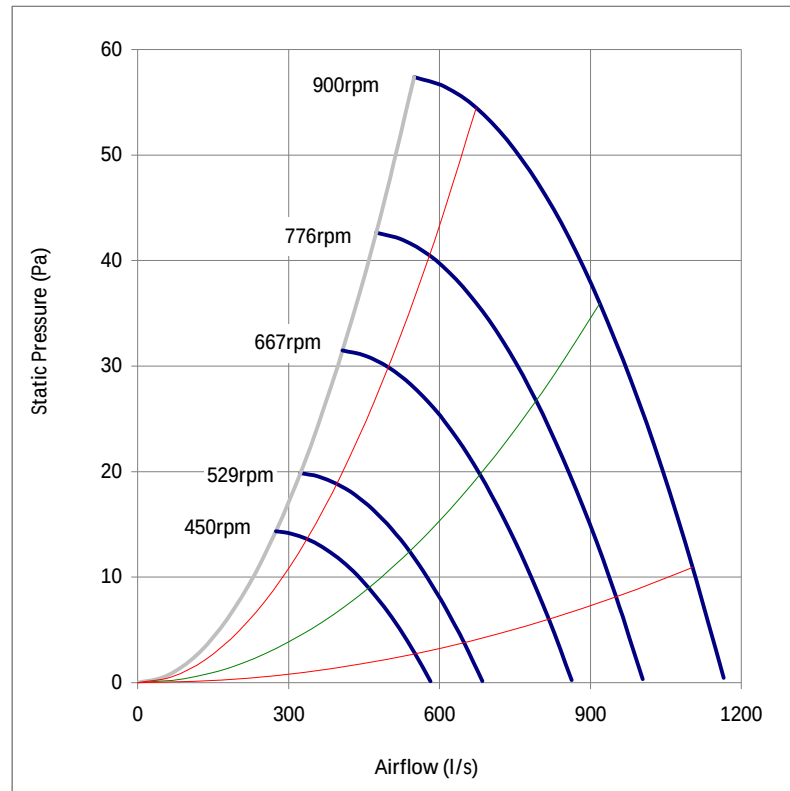
Size 450 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 1.00 A
Capacitor -
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Powder coated steel
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	57	0.08	230	67	70	71	70	66	60	53	46	50
776	43	0.05	200	64	67	68	67	63	57	50	43	47
667	31	0.03	170	60	63	64	63	59	53	46	39	43
529	20	0.02	130	55	58	59	58	54	48	41	34	38
450	14	0.01	110	52	55	56	55	51	45	38	31	35

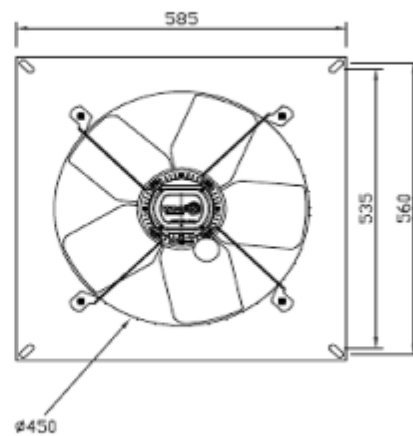
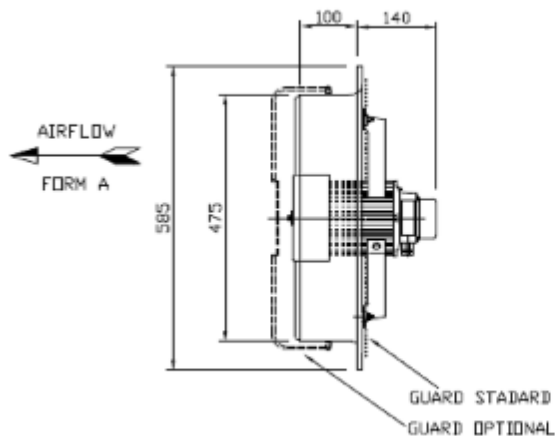


Plate Mounted Axial Fan

2102-4563



Impeller

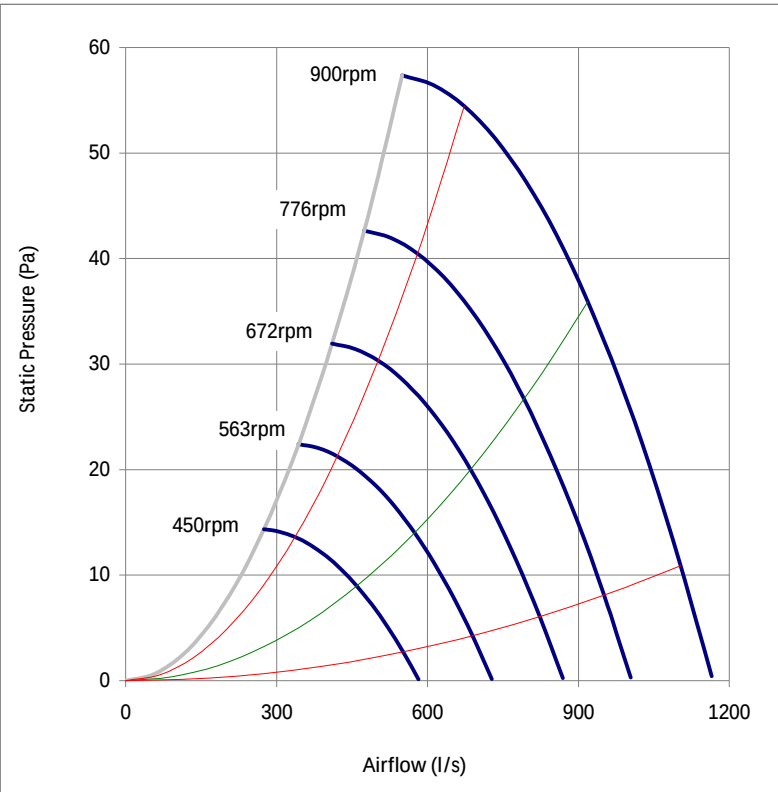
Size 450 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

Motor

Type TEFC
 IP Rating 55
 Insulation Class 155
 Power 0.18 Kw
 Power Supply 230V/1PH/50Hz
 Speed 900 RPM
 FLC 0.50 A
 Capacitor -
 Control Variable Speed Drive
 Protection Thermistor

Fan

Plate Powder coated steel
 Weight 10Kg
 Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	57	0.18	50	67	70	71	70	66	60	53	46	50
776	43	0.12	43	64	67	68	67	63	57	50	43	47
672	32	0.07	37	61	64	65	64	60	54	47	40	44
563	22	0.04	31	57	60	61	60	56	50	43	36	40
450	14	0.02	25	52	55	56	55	51	45	38	31	35

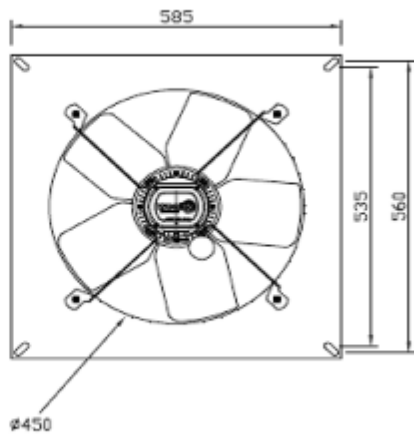
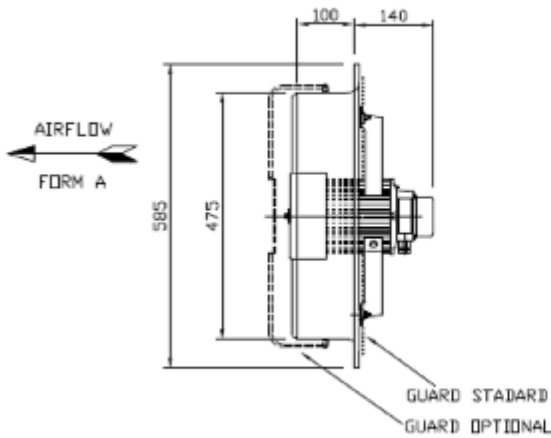


Plate Mounted Axial Fan

2102-6761



Impeller

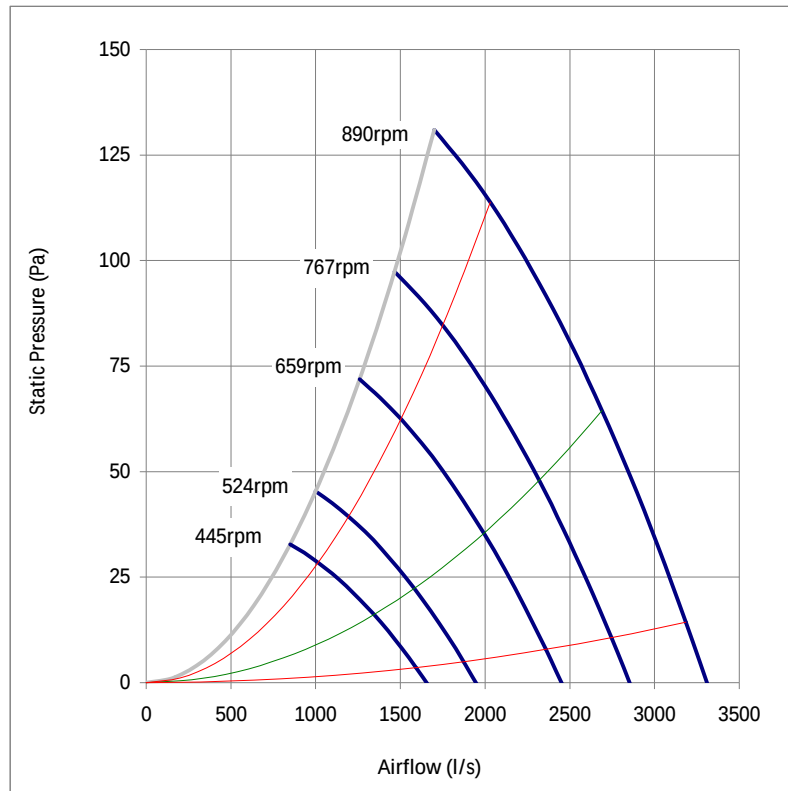
Size 670 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.43 Kw
Power Supply 230V/1PH/50Hz
Speed 890 RPM
FLC 3.30 A
Capacitor -
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Powder coated steel
Weight 18Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
890	131	0.43	230	78	77	81	78	73	70	66	58	59
767	97	0.28	200	75	74	78	75	70	67	63	55	56
659	72	0.17	170	71	70	74	71	66	63	59	51	52
524	45	0.09	130	66	65	69	66	61	58	54	46	47
445	33	0.05	110	63	62	66	63	58	55	51	43	44

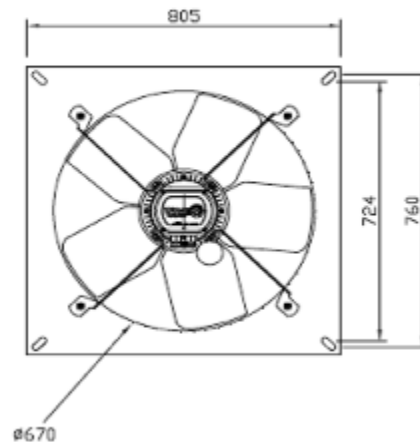
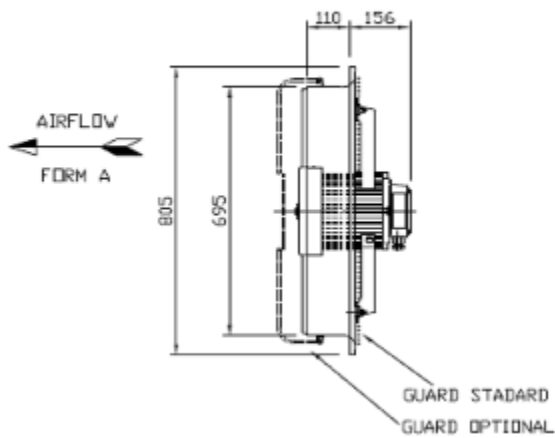


Plate Mounted Axial Fan

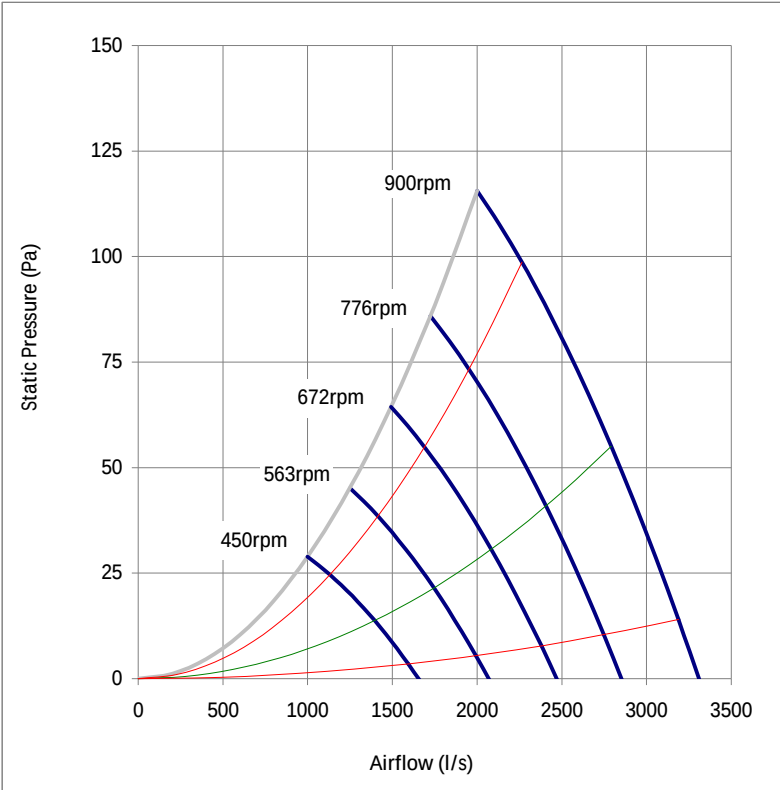
2102-6763



Impeller
 Size 670 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

Motor
 Type TEFC
 IP Rating 55
 Insulation Class 155
 Power 0.55 Kw
 Power Supply 400V/3PH/50Hz
 Speed 900 RPM
 FLC 1.80 A
 Capacitor -
 Control Variable Speed Drive
 Protection Thermistor

Fan
 Plate Powder coated steel
 Weight 18Kg
 Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	116	0.55	50	78	77	81	78	73	70	66	58	59
776	86	0.35	43	75	74	78	75	70	67	63	55	56
672	64	0.23	37	72	71	75	72	67	64	60	52	53
563	45	0.13	31	68	67	71	68	63	60	56	48	49
450	29	0.07	25	63	62	66	63	58	55	51	43	44

Plate Mounted Axial Fan

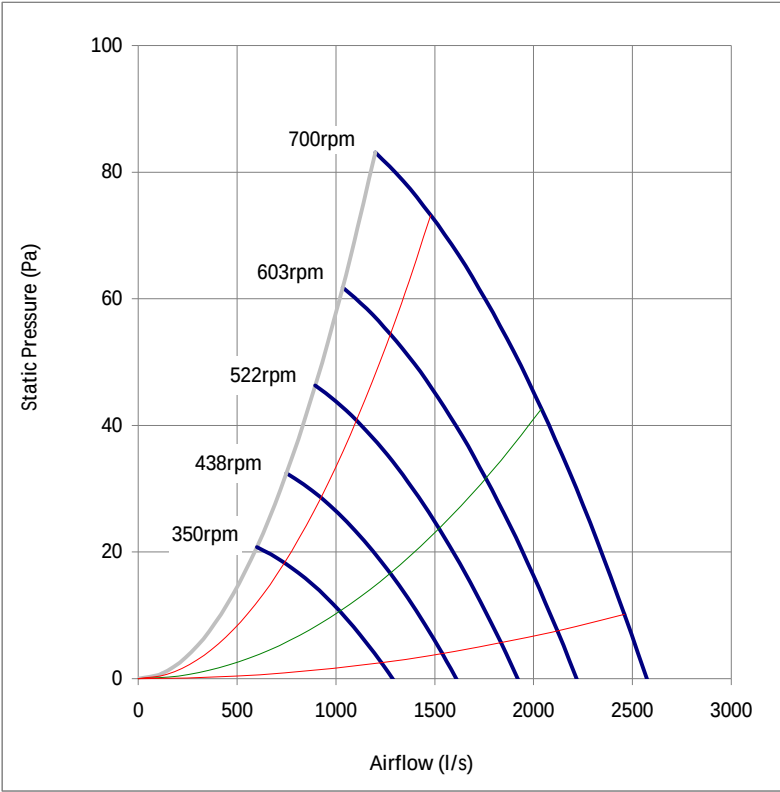
2102-6783



Impeller
 Size 670 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

Motor
 Type TEFC
 IP Rating 55
 Insulation Class 155
 Power 0.25 Kw
 Power Supply 400V/3PH/50Hz
 Speed 700 RPM
 FLC 1.20 A
 Capacitor -
 Control Variable Speed Drive
 Protection Thermistor

Fan
 Plate Powder coated steel
 Weight 18Kg
 Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
700	83	0.25	50	73	72	76	73	74	65	61	53	54
603	62	0.16	43	70	69	73	70	71	62	58	50	51
522	46	0.10	37	67	66	70	67	68	59	55	47	48
438	32	0.06	31	63	62	66	63	64	55	51	43	44
350	21	0.03	25	58	57	61	58	59	50	46	38	39

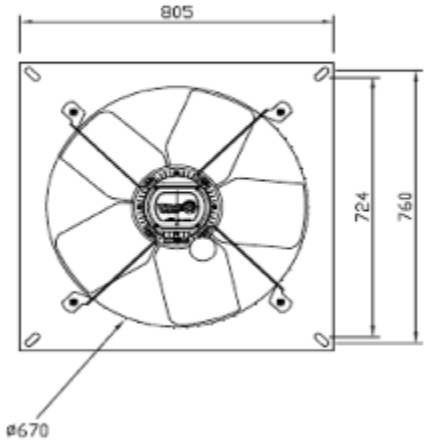
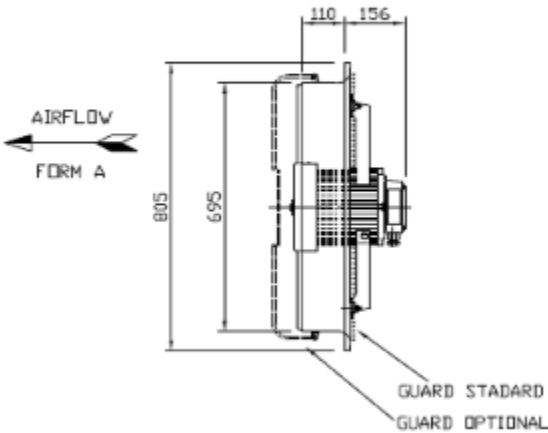


Plate Mounted Axial Fan

2102-7161



Impeller

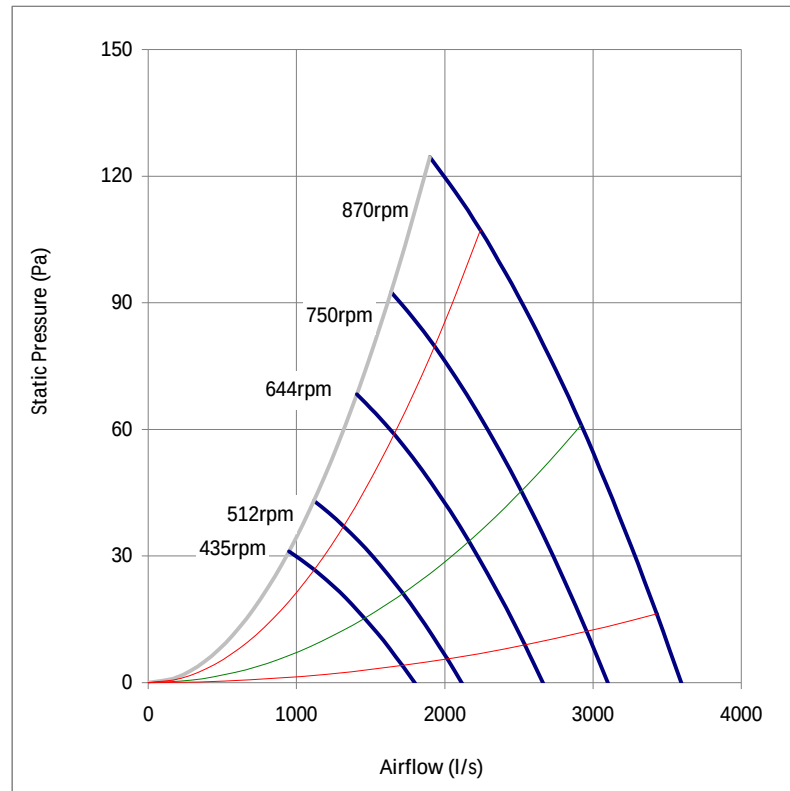
Size 710 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Aluminium

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.49 Kw
Power Supply 230V/1PH/50Hz
Speed 870 RPM
FLC 3.30 A
Capacitor -
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Powder coated steel
Weight 19Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	124	0.49	50	79	78	82	79	74	71	67	58	60
750	93	0.31	43	76	75	79	76	71	68	64	55	57
644	68	0.20	37	72	71	75	72	67	64	60	51	53
512	43	0.10	29	67	66	70	67	62	59	55	46	48
435	31	0.06	25	64	63	67	64	59	56	52	43	45

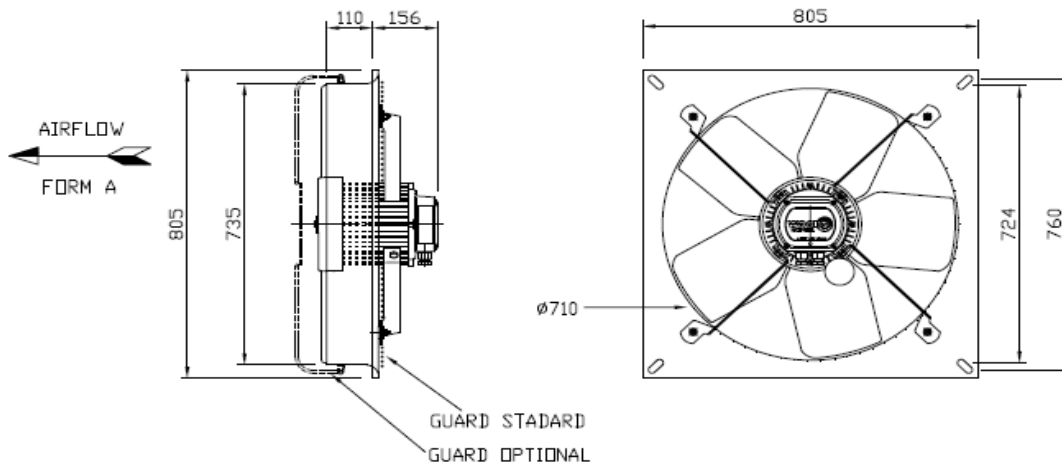


Plate Mounted Axial Fan

2102-7163



Impeller

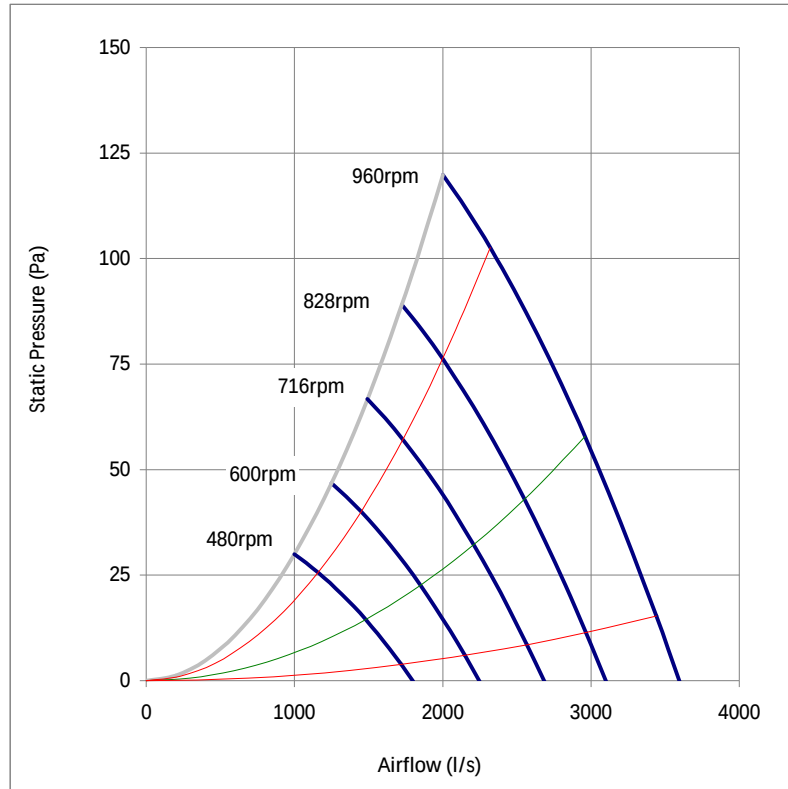
Size 710 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 960 RPM
FLC 1.90 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Powder coated steel
Weight 19Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
960	120	0.55	50	73	72	76	73	68	65	61	52	54
828	89	0.35	43	70	69	73	70	65	62	58	49	51
716	67	0.23	37	67	66	70	67	62	59	55	46	48
600	47	0.13	31	63	62	66	63	58	55	51	42	44
480	30	0.07	25	58	57	61	58	53	50	46	37	39

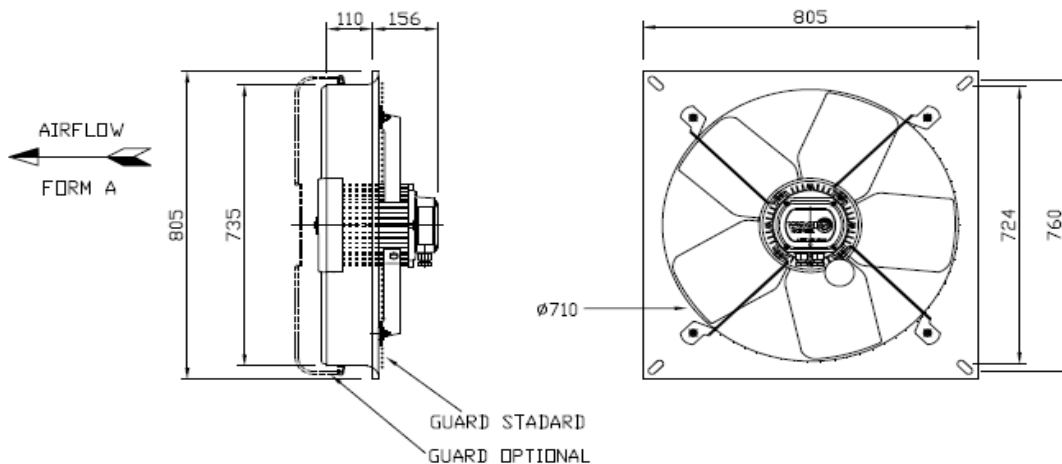


Plate Mounted Axial Fan

2102-7183



Impeller

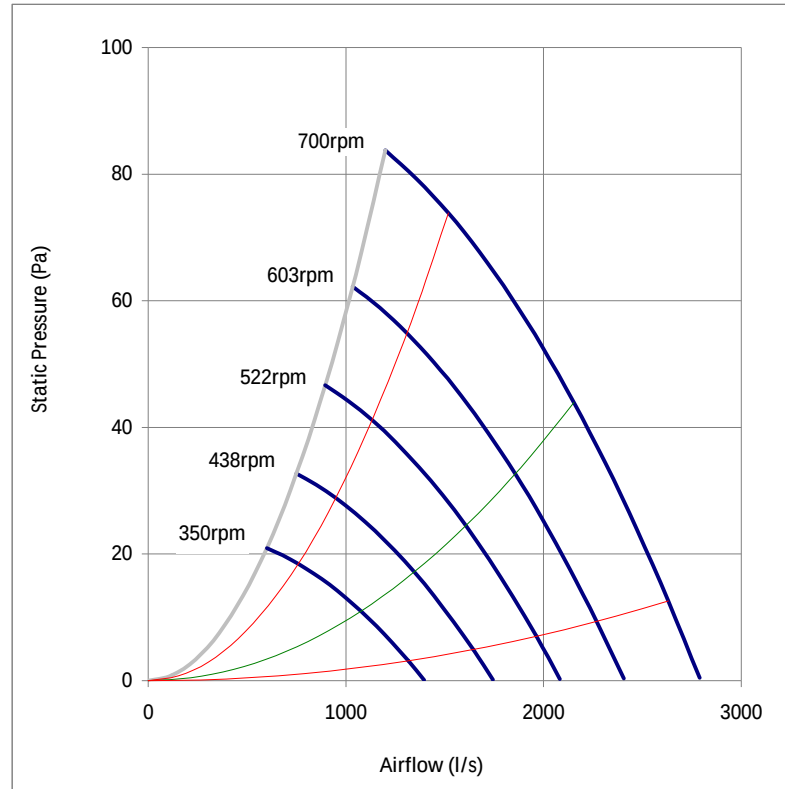
Size 710 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

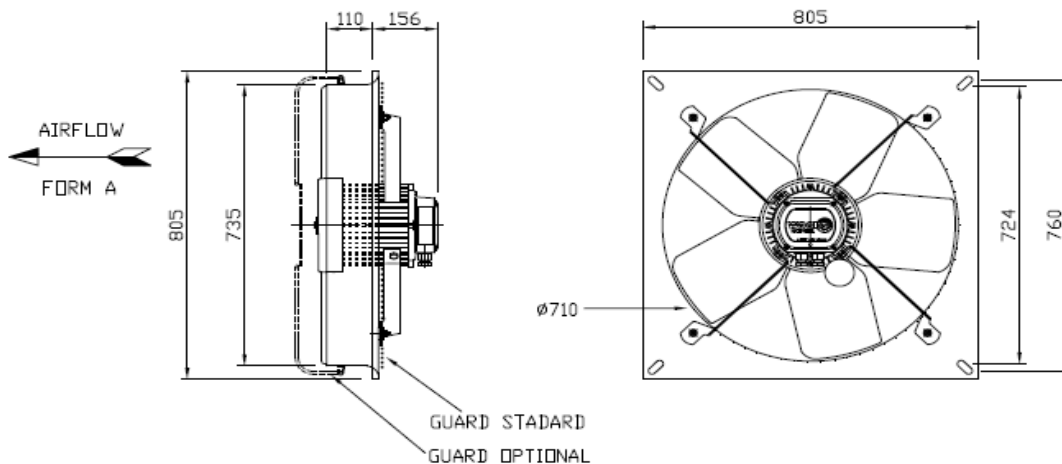
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.25 Kw
Power Supply 400V/3PH/50Hz
Speed 700 RPM
FLC 1.25 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Powder coated steel
Weight 19Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
700	84	0.25	50	73	72	76	73	68	65	61	52	54
603	62	0.16	43	70	69	73	70	65	62	58	49	51
522	47	0.10	37	67	66	70	67	62	59	55	46	48
438	33	0.06	31	63	62	66	63	58	55	51	42	44
350	21	0.03	25	58	57	61	58	53	50	46	37	39



2105

- Duct Mount Compact Axial Fan

SPECIFICATION

Sizes

250, 300, 350, 400, 450, 500mm diameter

Fan Performance

The fan is designed for moderate volume flow and low pressure and suitable for general purpose application. The impeller is designed to give excellent performance characteristic with smooth running and low noise development

Impellers

Ziehl-Abegg low noise high efficiency axial fan with profiled blades. The impellers are manufactured from cast aluminium material and balanced according to ISO1940.

MOTORS

Ziehl-Abegg asynchronous external rotor motors. Motor enclosure to feature IP54 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Casing

Casing of the fans are of galvanised steel, with flanges connection to suit either flexible duct or galvanised steel ductwork

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745

Ziehl-Abegg Axial Motorized impeller



Inline Compact Axial Fan

2105-2521



Impeller

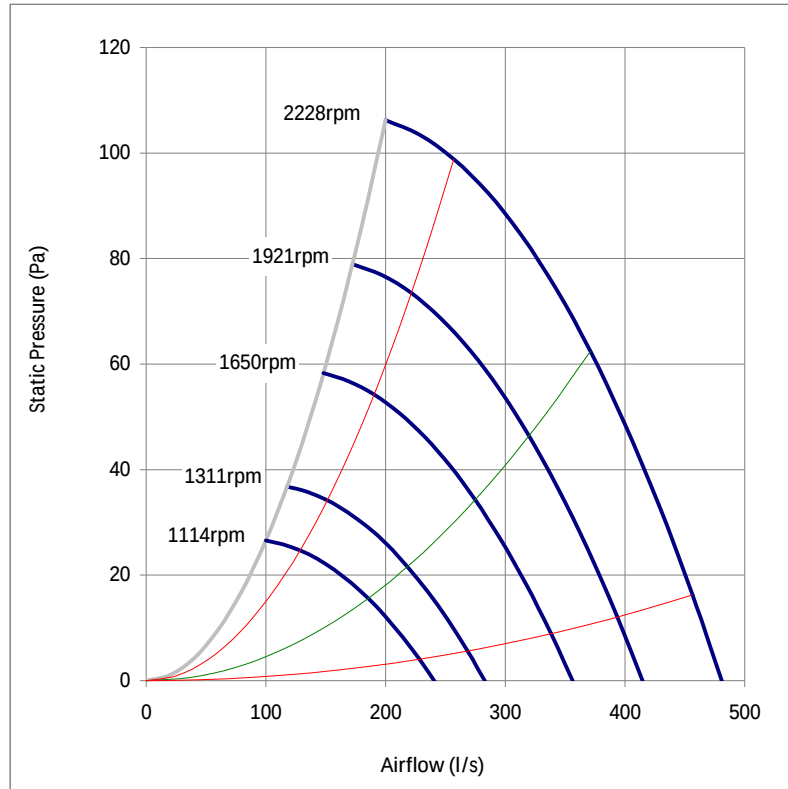
Size 250 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

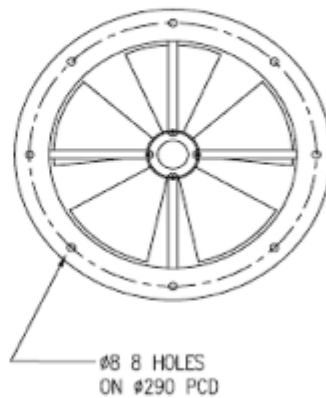
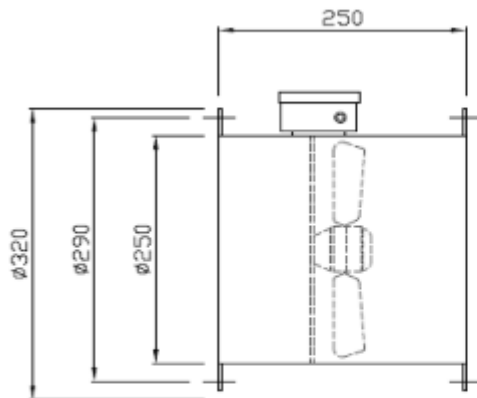
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 2228 RPM
FLC 0.59 A
Capacitor 3.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 8 Hole on ϕ 290PCD
Weight 4 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2228	106	0.08	230	61	62	66	65	64	66	63	57	57
1921	79	0.05	200	58	59	63	62	61	63	60	54	54
1650	58	0.03	170	54	55	59	58	57	59	56	50	50
1311	37	0.02	130	49	50	54	53	52	54	51	45	45
1114	27	0.01	110	46	47	51	50	49	51	48	42	42



Inline Compact Axial Fan

2105-3041



Impeller

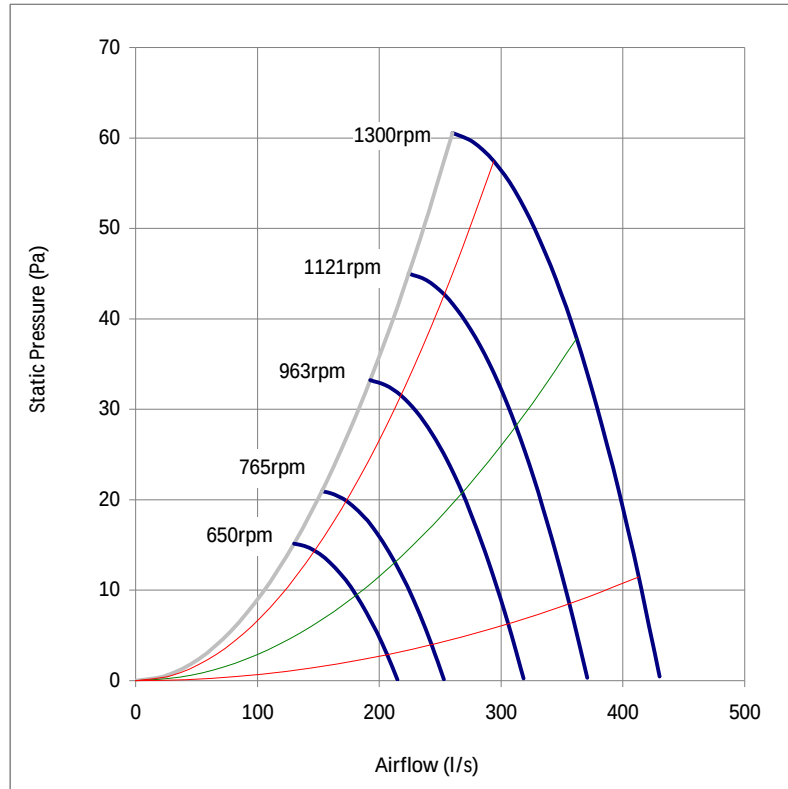
Size 300 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

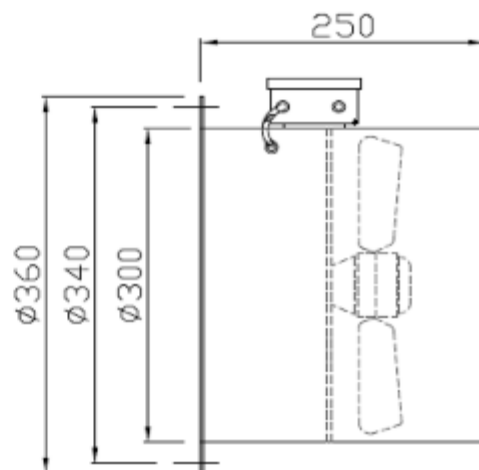
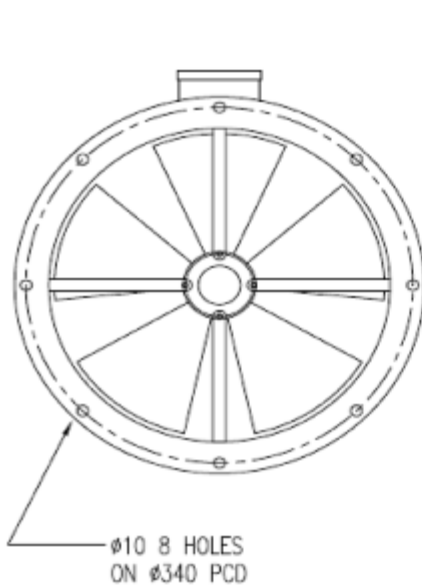
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 RPM
FLC 0.57 A
Capacitor 3 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 8 Hole on ϕ 340PCD
Weight 5 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	61	0.08	230	56	57	62	60	58	56	46	34	42
1121	45	0.05	200	53	54	59	57	55	53	43	31	39
963	33	0.03	170	49	50	55	53	51	49	39	27	35
765	21	0.02	130	44	45	50	48	46	44	34	22	30
650	15	0.01	110	41	42	47	45	43	41	31	19	27



Inline Compact Axial Fan

2105-4041



Impeller

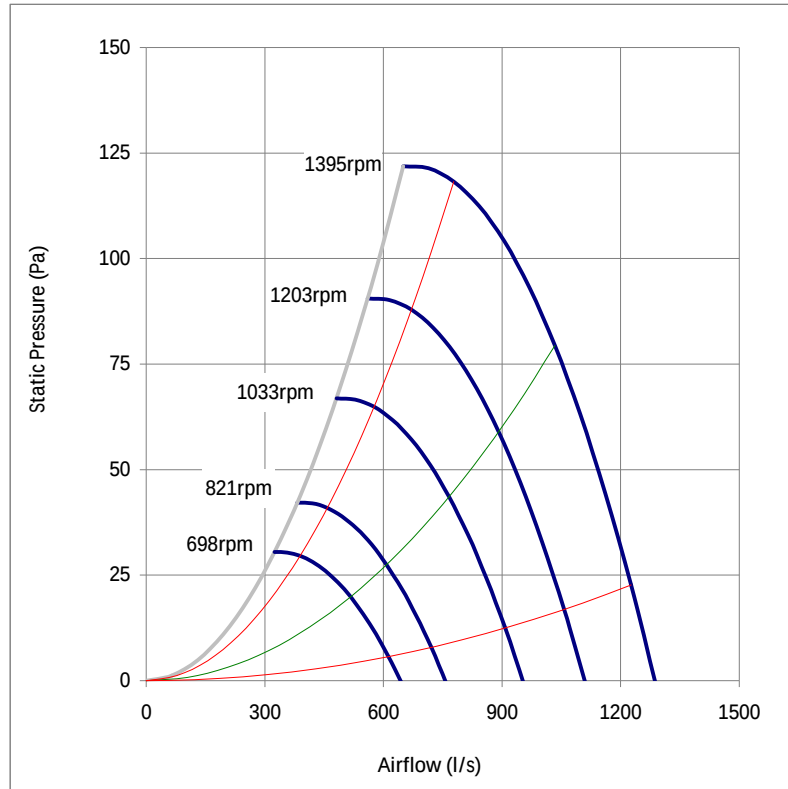
Size 400 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

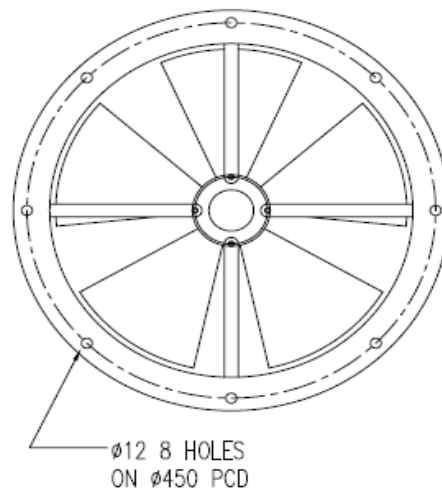
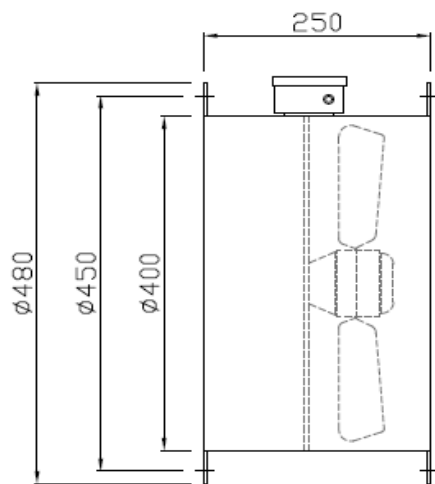
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.31 Kw
Power Supply 230V/1PH/50Hz
Speed 1395 RPM
FLC 1.35 A
Capacitor 4 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 8 Hole on ϕ 450PCD
Weight 9 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1395	122	0.31	230	68	69	67	61	61	61	57	51	50
1203	91	0.20	200	65	66	64	58	58	58	54	48	47
1033	67	0.13	170	61	62	60	54	54	54	50	44	43
821	42	0.06	130	56	57	55	49	49	49	45	39	38
698	30	0.04	110	53	54	52	46	46	46	42	36	35



Inline Compact Axial Fan

2105-4541



Impeller

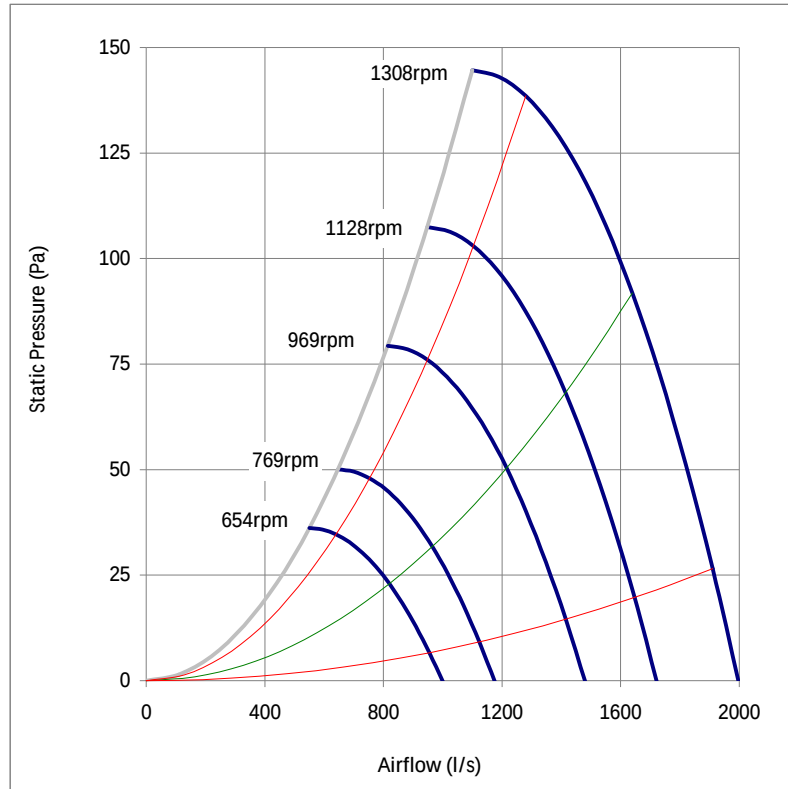
Size 450 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

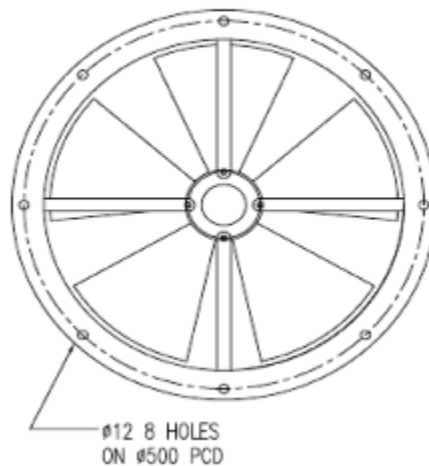
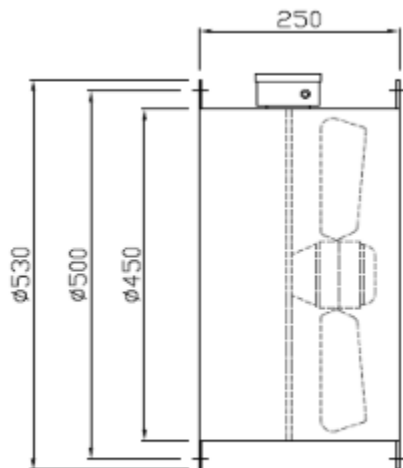
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.61 Kw
Power Supply 230V/1PH/50Hz
Speed 1308 RPM
FLC 2.80 A
Capacitor 14 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 8 Hole on ϕ PCD
Weight 14 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1308	145	0.61	230	65	74	68	64	64	64	60	53	52
1128	107	0.39	200	62	71	65	61	61	61	57	50	49
969	79	0.25	170	58	67	61	57	57	57	53	46	45
769	50	0.12	130	53	62	56	52	52	52	48	41	40
654	36	0.08	110	50	59	53	49	49	49	45	38	37



Inline Compact Axial Fan

2105-3541



Impeller

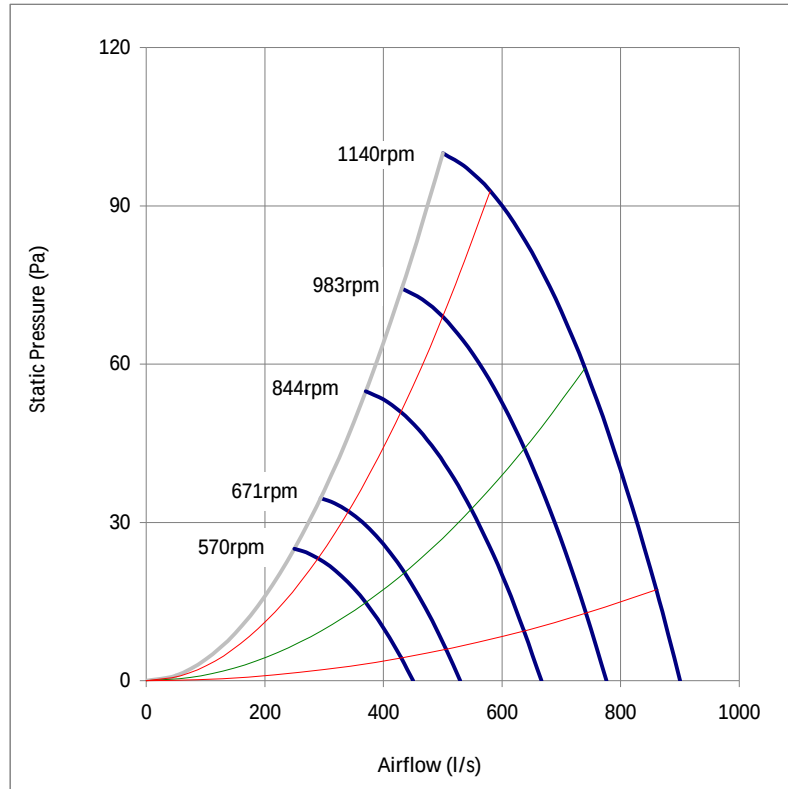
Size 350 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

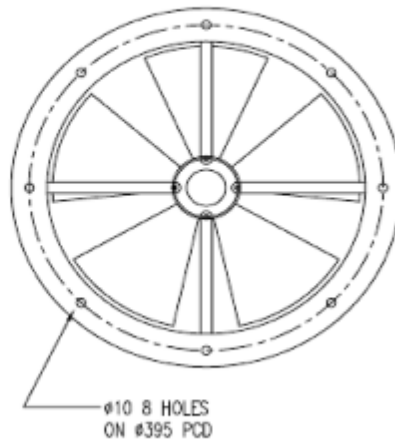
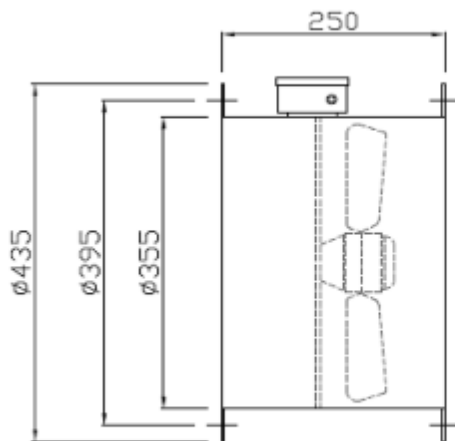
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.20 Kw
Power Supply 230V/1PH/50Hz
Speed 1140 RPM
FLC 1.00 A
Capacitor 5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 8 Hole on ϕ 395PCD
Weight 7 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1140	100	0.20	230	61	68	61	57	57	57	50	43	47
983	74	0.13	200	58	65	58	54	54	54	47	40	44
844	55	0.08	170	54	61	54	50	50	50	43	36	40
671	35	0.04	130	49	56	49	45	45	45	38	31	35
570	25	0.03	110	46	53	46	42	42	42	35	28	32



Inline Compact Axial Fan

2105-5041



Impeller

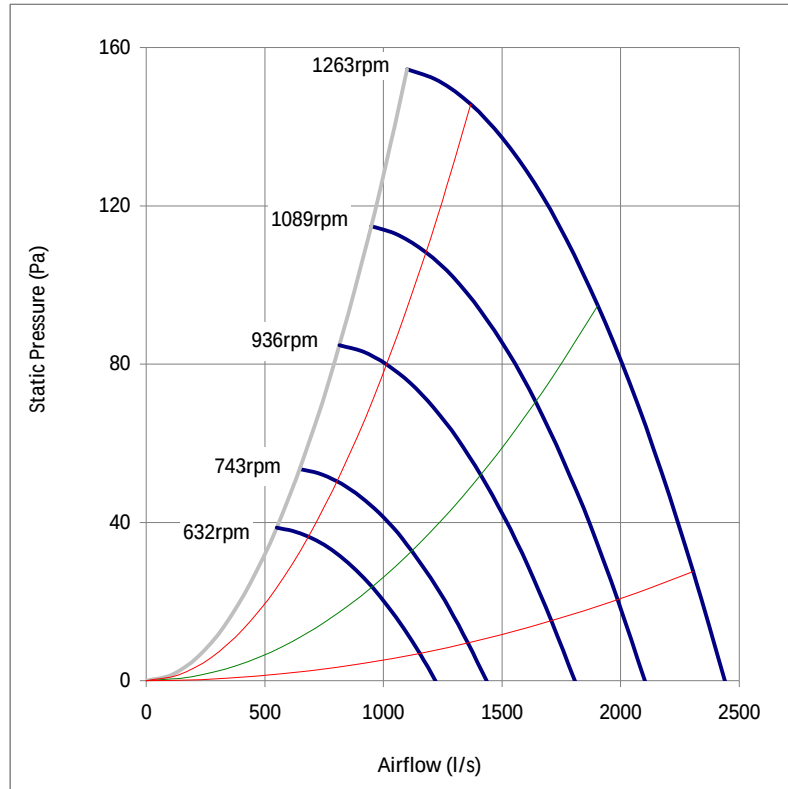
Size 500 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

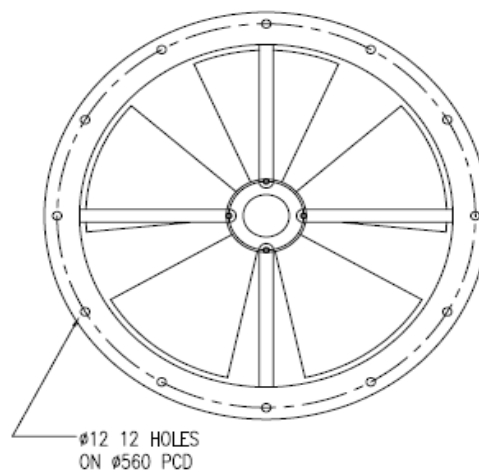
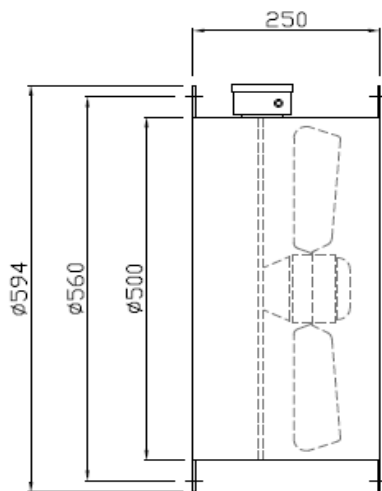
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.78 Kw
Power Supply 230V/1PH/50Hz
Speed 1263 RPM
FLC 3.40 A
Capacitor 16 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 12 Hole on ϕ PCD
Weight 22 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1263	155	0.78	230	63	73	67	63	66	68	62	53	54
1089	115	0.50	200	60	70	64	60	63	65	59	50	51
936	85	0.32	170	56	66	60	56	59	61	55	46	47
743	53	0.16	130	51	61	55	51	54	56	50	41	42
632	39	0.10	110	48	58	52	48	51	53	47	38	39



Inline Compact Axial Fan

2105-5643



Impeller

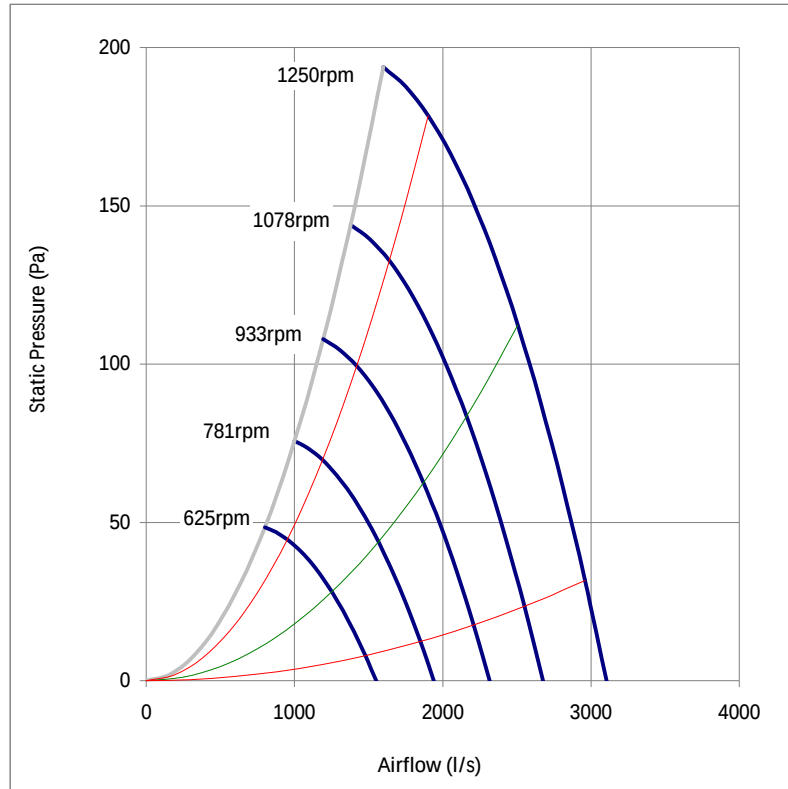
Size 560 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

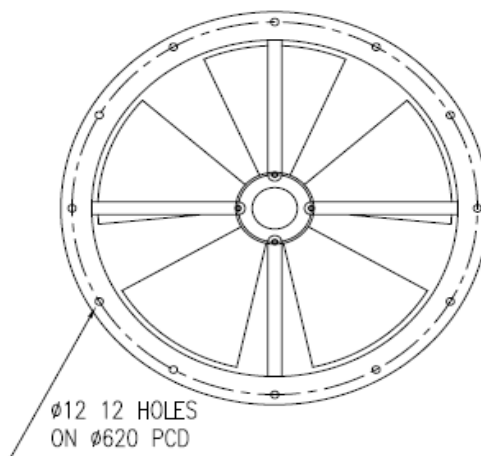
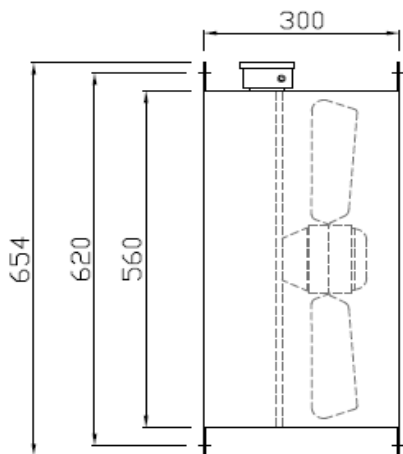
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.15 Kw
Power Supply 400V/3PH/50Hz
Speed 1250 RPM
FLC 2.40 A
Capacitor
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 12 Hole on ϕ PCD
Weight 41 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1250	194	1.15	50	74	80	75	74	74	73	68	61	59
1078	144	0.74	43	71	77	72	71	71	70	65	58	56
933	108	0.48	37	68	74	69	68	68	67	62	55	53
781	76	0.28	31	64	70	65	64	64	63	58	51	49
625	48	0.14	25	59	65	60	59	59	58	53	46	44



Inline Compact Axial Fan

2105-5663



Impeller

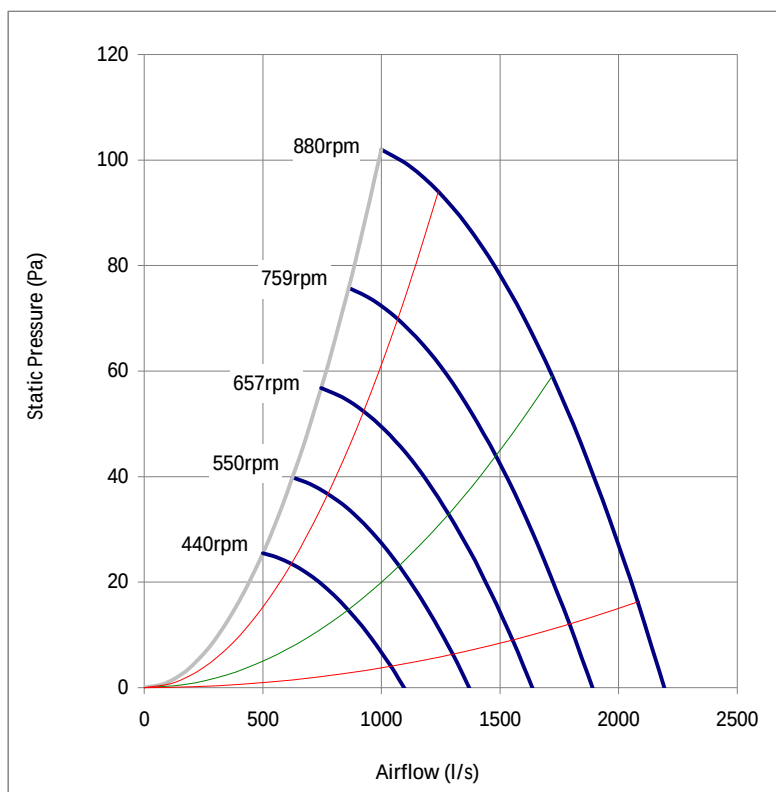
Size 560 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

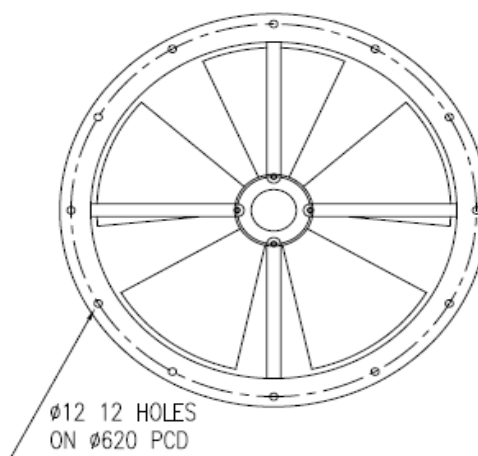
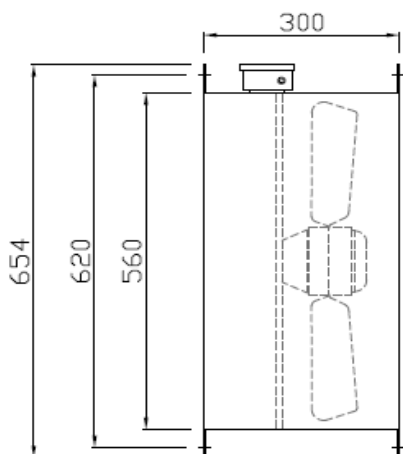
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.42 Kw
Power Supply 400V/3PH/50Hz
Speed 880 RPM
FLC 0.76 A
Capacitor
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 12 Hole on ϕ PCD
Weight 40 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	102	0.42	50	67	73	68	67	67	66	61	54	50
759	76	0.27	43	64	70	65	64	64	63	58	51	47
657	57	0.17	37	61	67	62	61	61	60	55	48	44
550	40	0.10	31	57	63	58	57	57	56	51	44	40
440	26	0.05	25	52	58	53	52	52	51	46	39	35



Inline Compact Axial Fan

2105-5661



Impeller

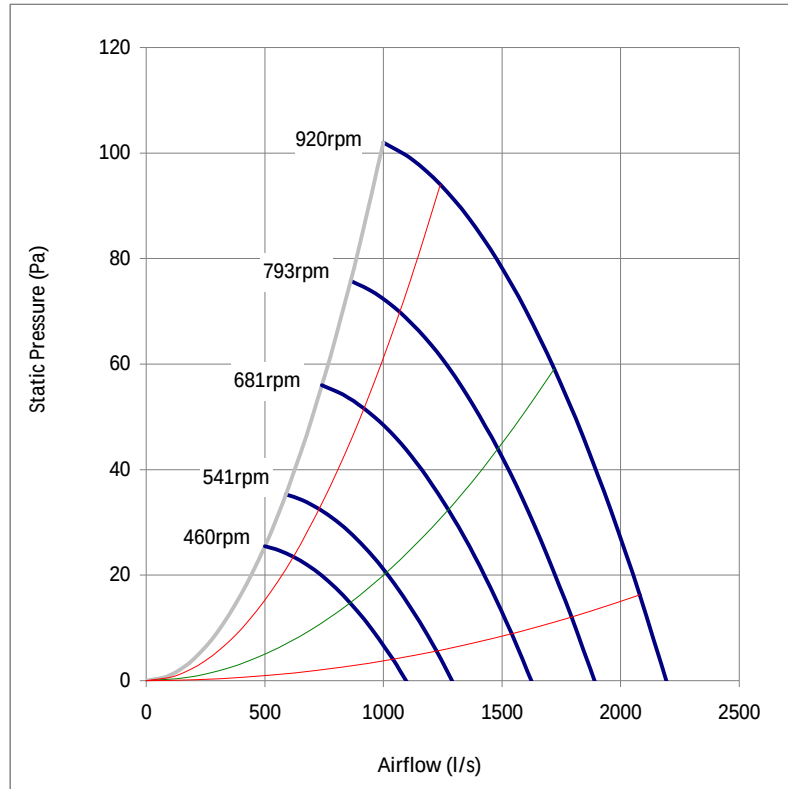
Size 560 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

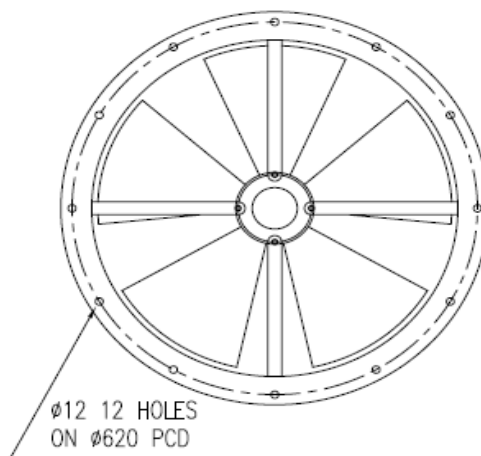
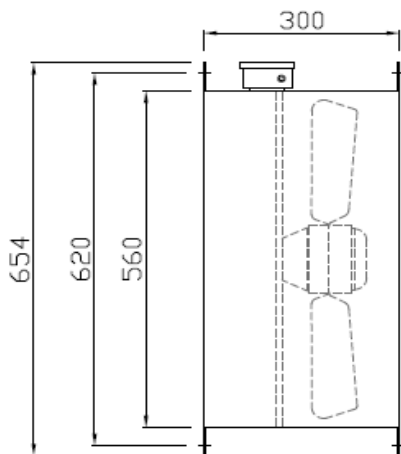
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.51 Kw
Power Supply 230V/1PH/50Hz
Speed 920 RPM
FLC 2.30 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 12 Hole on ϕ PCD
Weight 40 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
920	102	0.51	230	68	74	69	68	68	67	62	55	51
793	76	0.33	200	65	71	66	65	65	64	59	52	48
681	56	0.21	170	61	67	62	61	61	60	55	48	44
541	35	0.10	130	56	62	57	56	56	55	50	43	39
460	26	0.06	110	53	59	54	53	53	52	47	40	36



Inline Compact Axial Fan

2105-6343



Impeller

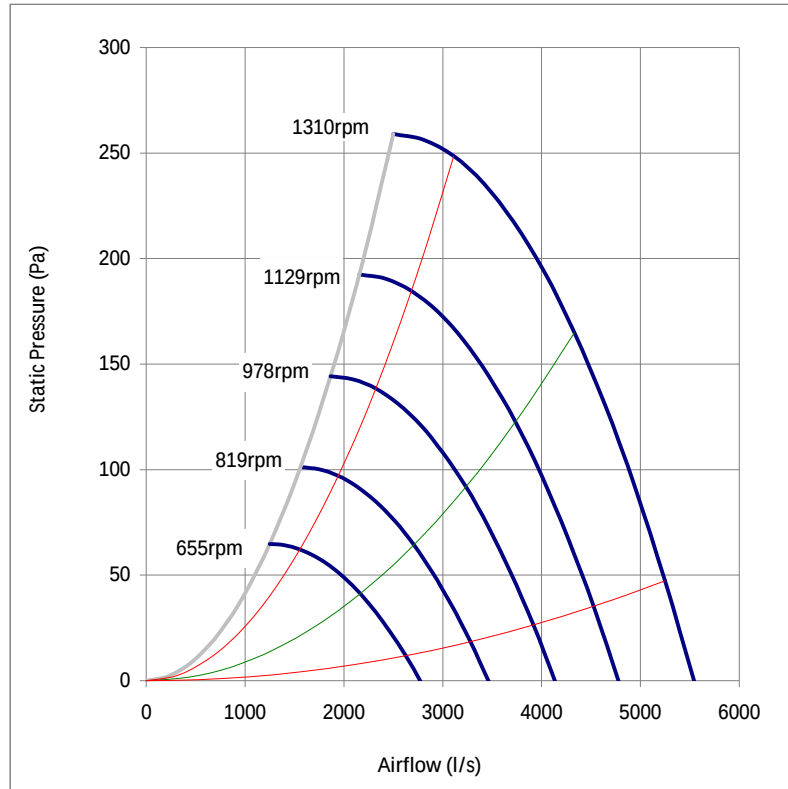
Size 630 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

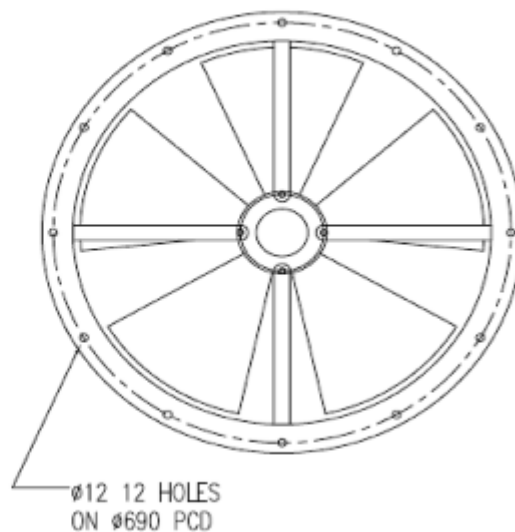
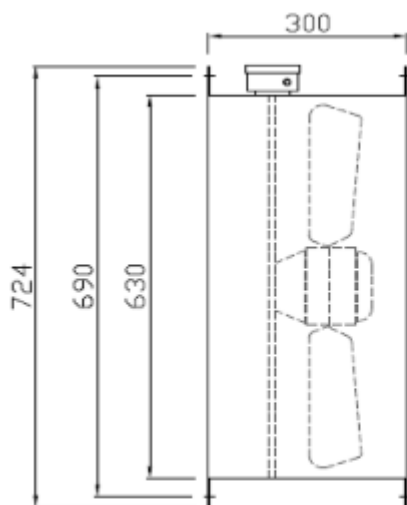
Type External Rotor
IP Rating 54
Insulation Class 155
Power 2.60 Kw
Power Supply 400V/3PH/50Hz
Speed 1310 RPM
FLC 4.80 A
Capacitor
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 12 Hole on ϕ PCD
Weight 55 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1310	259	2.60	50	75	84	78	81	80	78	72	63	65
1129	192	1.67	43	72	81	75	78	77	75	69	60	62
978	144	1.08	37	69	78	72	75	74	72	66	57	59
819	101	0.63	31	65	74	68	71	70	68	62	53	55
655	65	0.33	25	60	69	63	66	65	63	57	48	50



Inline Compact Axial Fan

2105-6363



Impeller

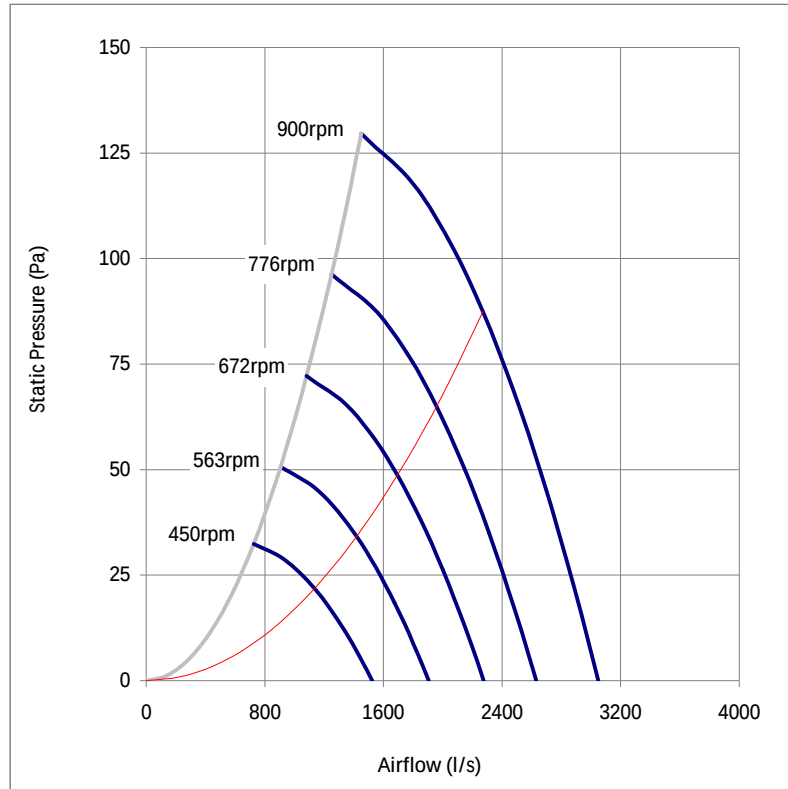
Size 630 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

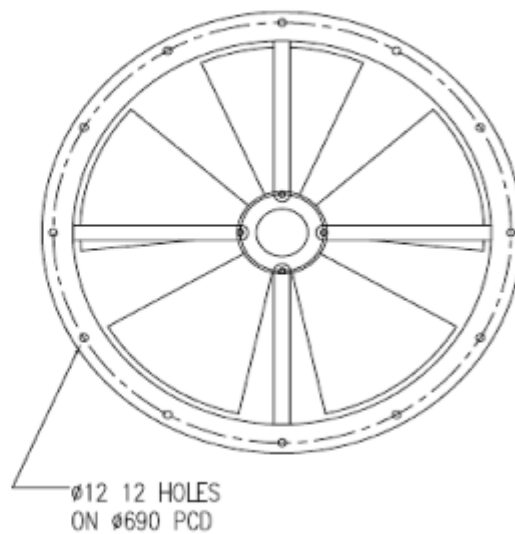
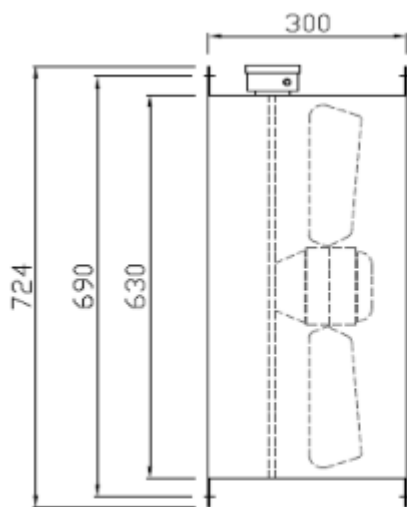
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.69 Kw
Power Supply 400V/3PH/50Hz
Speed 900 RPM
FLC 1.25 A
Capacitor
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 12 Hole on ϕ PCD
Weight 55 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	130	0.69	50	65	74	68	71	70	68	62	53	55
776	96	0.44	43	62	71	65	68	67	65	59	50	52
672	72	0.29	37	59	68	62	65	64	62	56	47	49
563	51	0.17	31	55	64	58	61	60	58	52	43	45
450	32	0.09	25	50	59	53	56	55	53	47	38	40



Inline Compact Axial Fan

2105-6361



Impeller

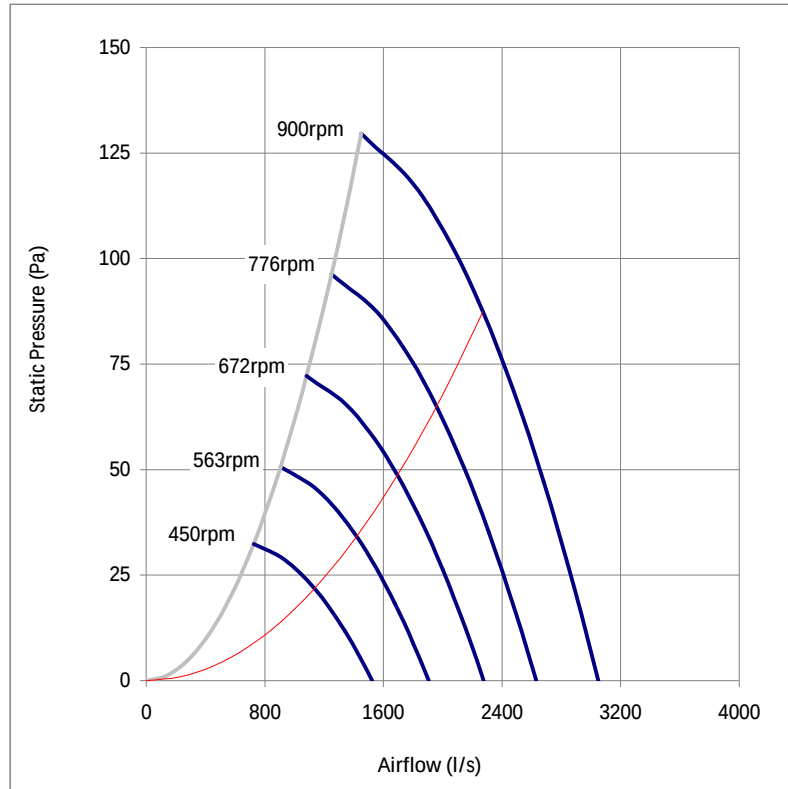
Size 630 mm
Type Axial Owl
Material Steel
Motor finish Powder Coating RAL7032

Motor

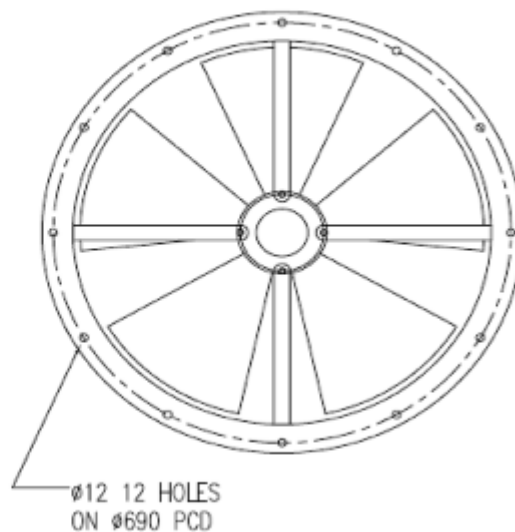
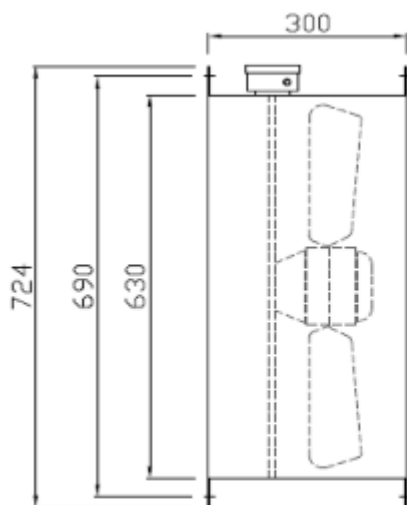
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.78 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 3.50 A
Capacitor 16 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange 12 Hole on ϕ PCD
Weight 55 Kg
Max. Temp 70 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	130	0.78	230	65	74	68	71	70	68	62	53	55
776	96	0.50	200	62	71	65	68	67	65	59	50	52
672	72	0.32	170	59	68	62	65	64	62	56	47	49
563	51	0.19	130	55	64	58	61	60	58	52	43	45
450	32	0.10	110	50	59	53	56	55	53	47	38	40



DSM/R

- Roof Extract Unit
- Side Discharge
- Mixed Flow Fan

SPECIFICATION

Sizes

200, 250, 330, 400, 500, 630, 760mm diameter

Fan Performance

The DSM/DSMR is a direct drive, Mixed Flow Roof Extract Fan unit of proven performance. The impeller is designed to give excellent performance characteristic with high static pressure development and high airflow without stall

Impellers

The impeller is of Woods patented design with integral inlet fairing spun to close tolerances for optimum performance. The impellers are manufactured from aluminium and balanced according to ISO1940.

Motors

Motor are totally enclosed airstream rated, squirrel cage induction type. Motor enclosure to feature IP55 protection. Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Cowls

Cowl and base of the fans are of UV stabilised fibreglass or Rovel. Impeller/motor assembly to be supported by a galvanised steel. Bird mesh to be fit as standard.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745

Woods DSM Mixed Flow Roof Fan



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-200/4/1



Impeller

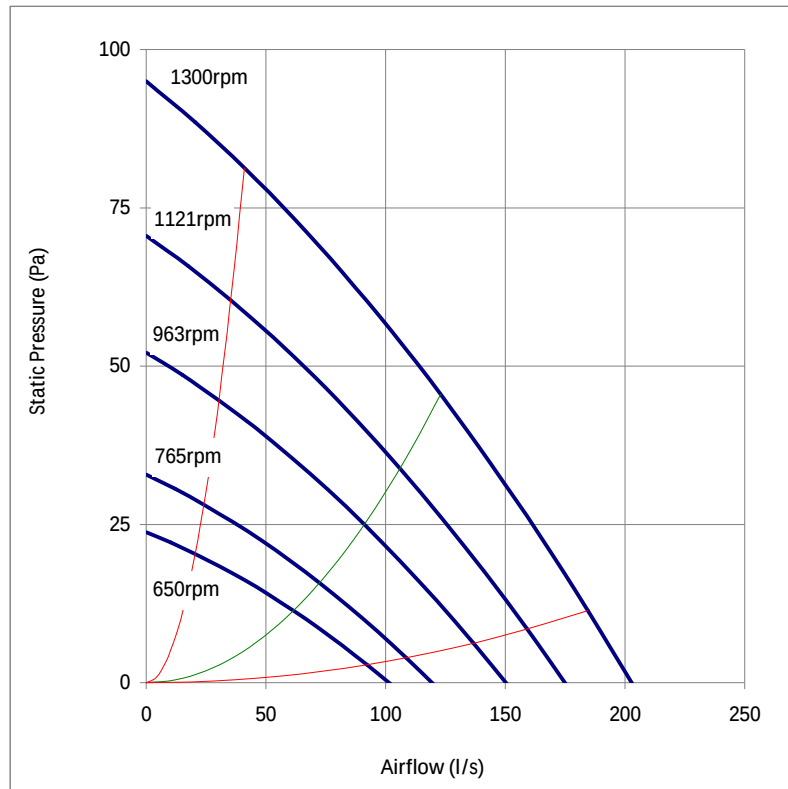
Size 200 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

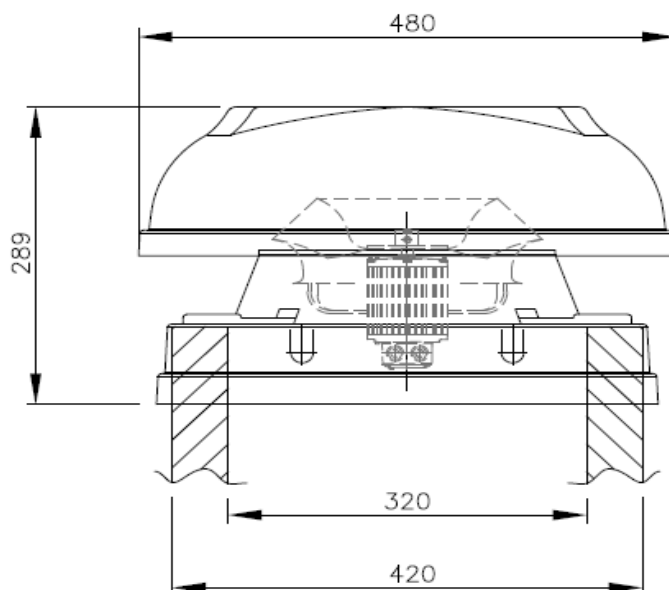
Type IE2
IP Rating 55
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 0.50 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 15 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	95	0.07	230	67	73	62	64	58	57	51	42	44
1121	71	0.04	200	64	70	59	61	55	54	48	39	41
963	52	0.03	170	60	66	55	57	51	50	44	35	37
765	33	0.01	130	55	61	50	52	46	45	39	30	32
650	24	0.01	110	52	58	47	49	43	42	36	27	29



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-250/4/1



Impeller

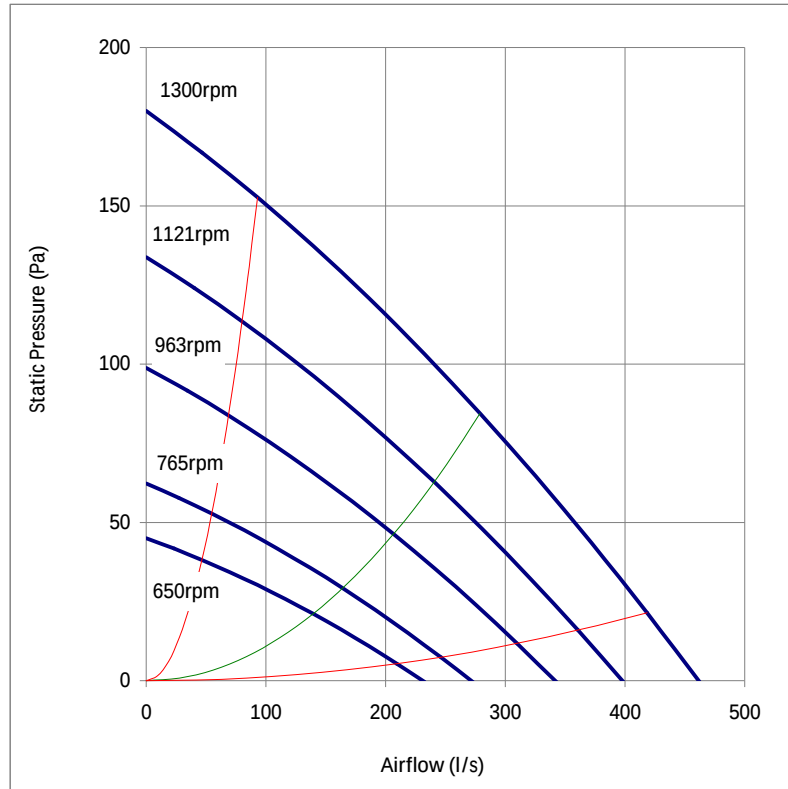
Size 250 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

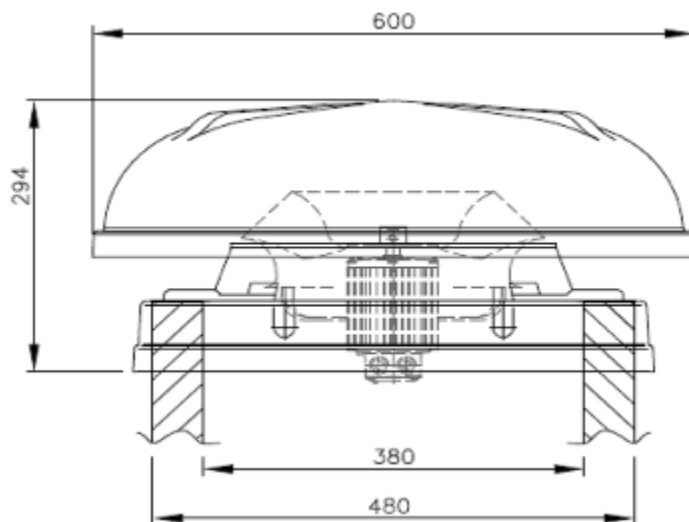
Type IE2
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 0.80 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 22 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	180	0.10	230	73	76	69	65	67	65	61	57	50
1121	134	0.06	200	70	73	66	62	64	62	58	54	47
963	99	0.04	170	66	69	62	58	60	58	54	50	43
765	62	0.02	130	61	64	57	53	55	53	49	45	38
650	45	0.01	110	58	61	54	50	52	50	46	42	35



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-250/6/1



Impeller

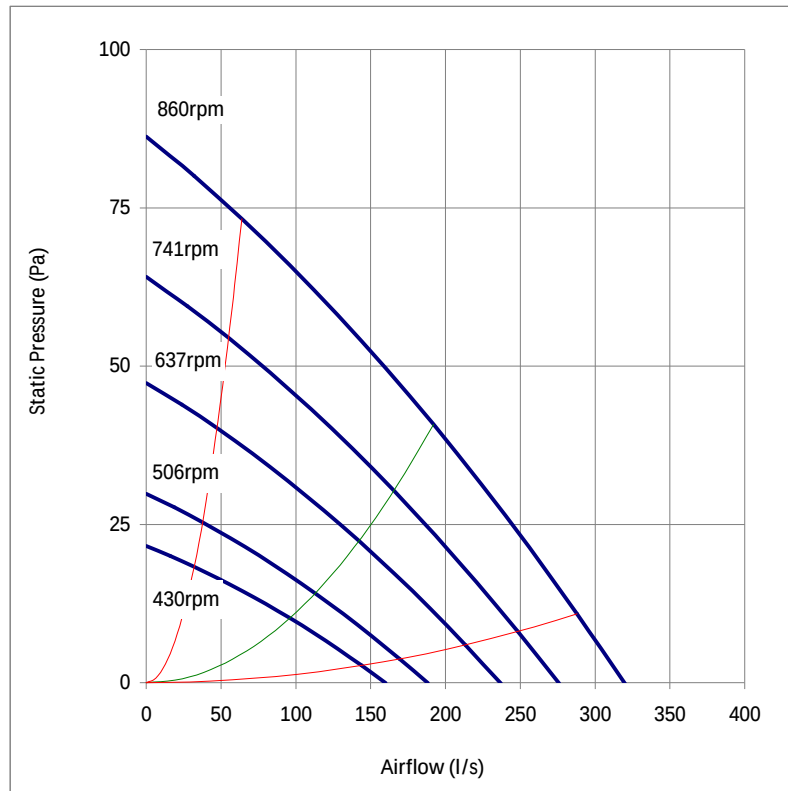
Size 250 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

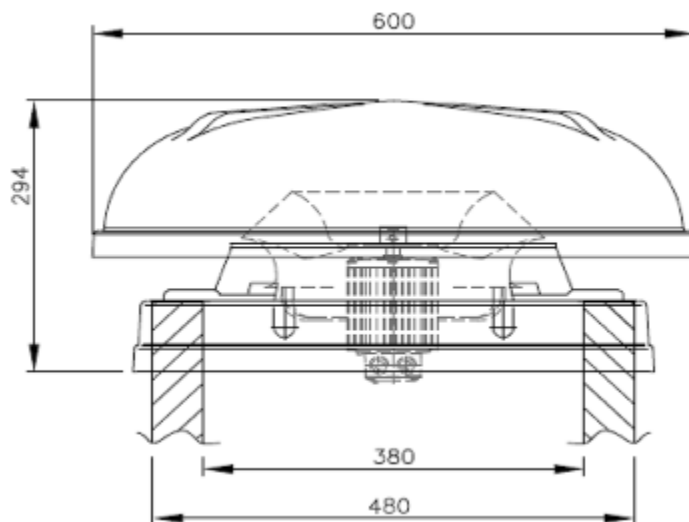
Type IE2
IP Rating 55
Insulation Class 155
Power 0.04 Kw
Power Supply 230V/1PH/50Hz
Speed 860 rpm
FLC 0.35 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 22 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
860	86	0.04	230	66	67	58	54	56	54	50	46	39
741	64	0.03	200	63	64	55	51	53	51	47	43	36
637	47	0.02	170	59	60	51	47	49	47	43	39	32
506	30	0.01	130	54	55	46	42	44	42	38	34	27
430	22	0.01	110	51	52	43	39	41	39	35	31	24



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-330/4/1



Impeller

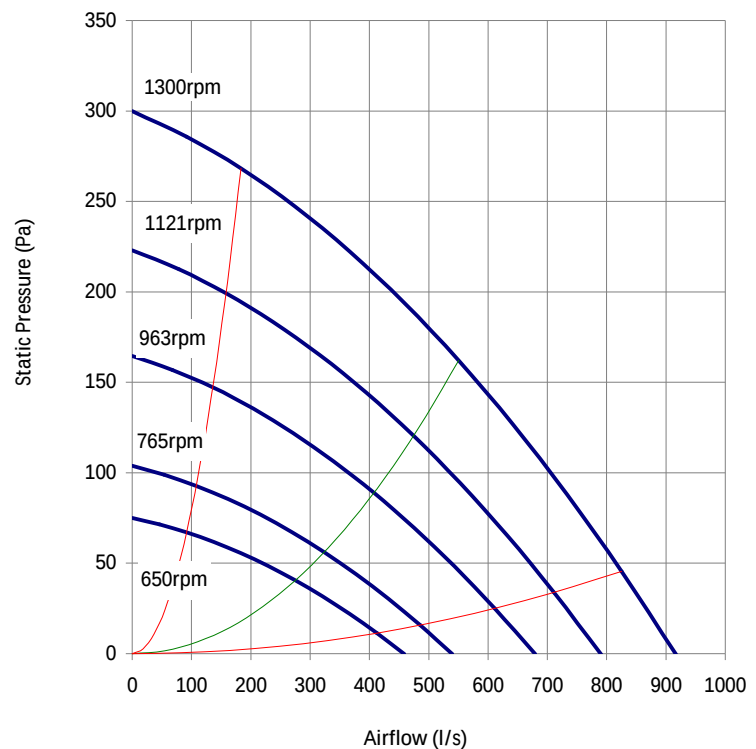
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

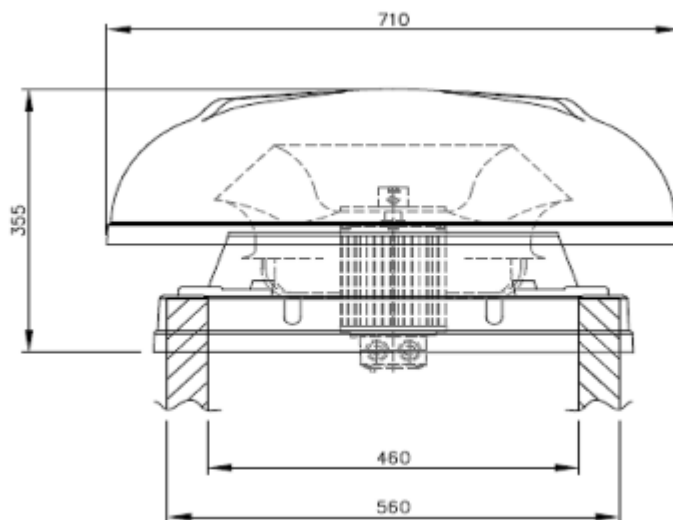
Type IE2
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 1.80 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	300	0.22	230	78	83	78	71	71	69	64	57	57
1121	223	0.14	200	75	80	75	68	68	66	61	54	54
963	165	0.09	170	71	76	71	64	64	62	57	50	50
765	104	0.04	130	66	71	66	59	59	57	52	45	45
650	75	0.03	110	63	68	63	56	56	54	49	42	42



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-330/6/1



Impeller

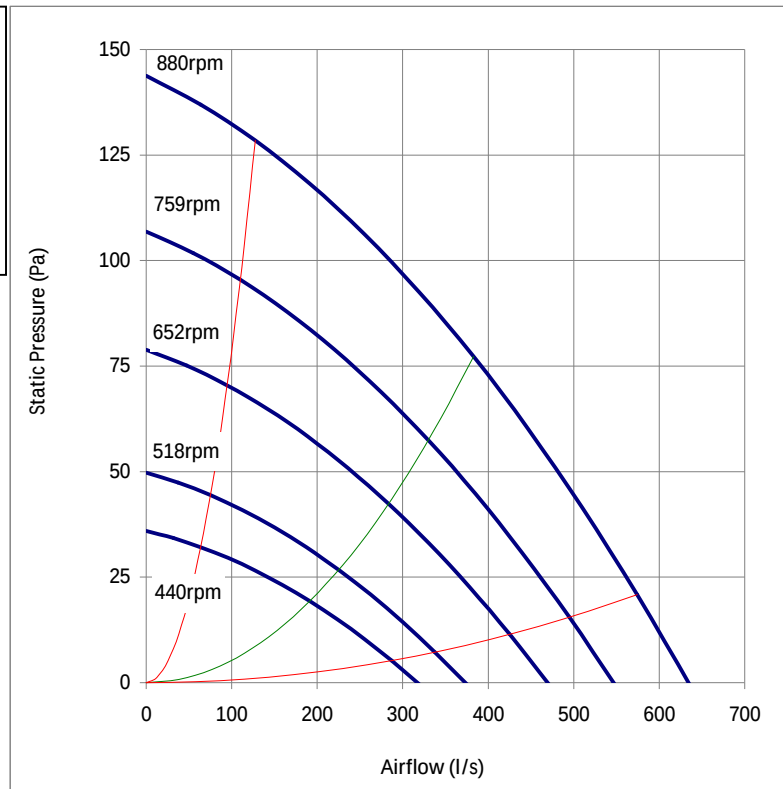
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

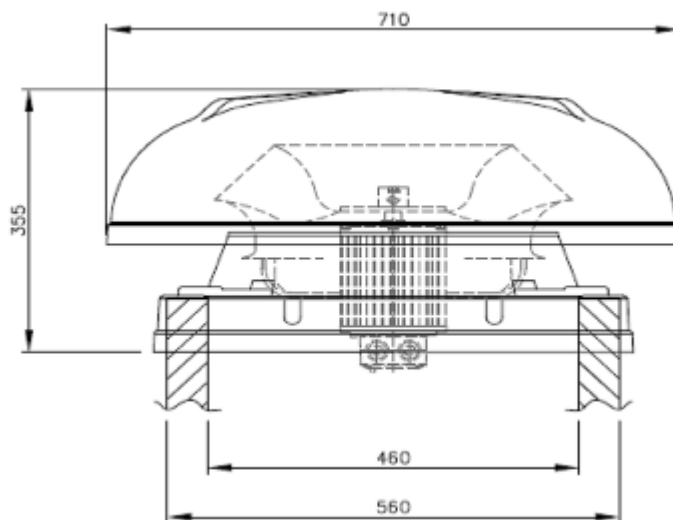
Type IE2
IP Rating 55
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 880 rpm
FLC 1.00 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	144	0.08	230	73	74	68	61	60	57	54	46	46
759	107	0.05	200	70	71	65	58	57	54	51	43	43
652	79	0.03	170	66	67	61	54	53	50	47	39	39
518	50	0.02	130	61	62	56	49	48	45	42	34	34
440	36	0.01	110	58	59	53	46	45	42	39	31	31



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-330/4/3



Impeller

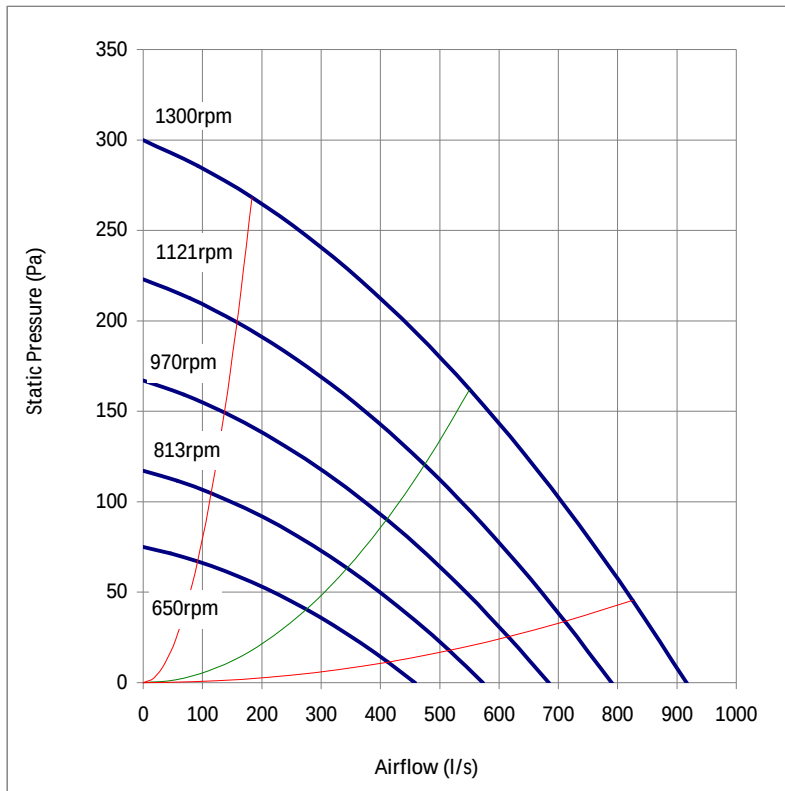
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

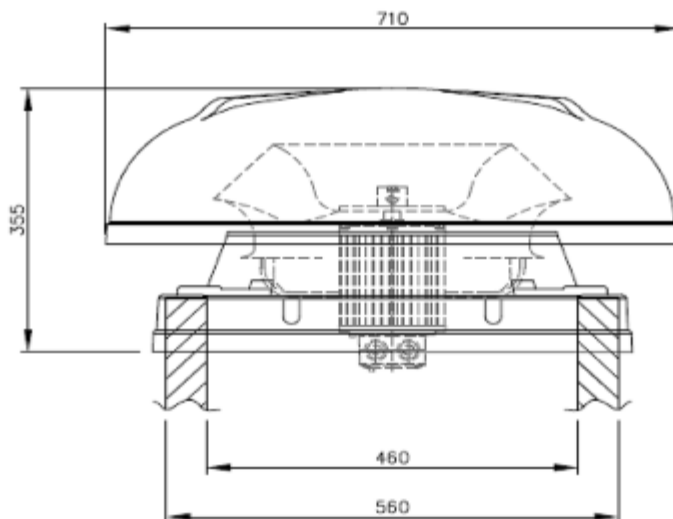
Type IE2
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 400V/3PH/50Hz
Speed 1300 rpm
FLC 0.70 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	300	0.22	50	78	83	78	71	71	69	64	57	57
1121	223	0.14	43	75	80	75	68	68	66	61	54	54
970	167	0.09	37	72	77	72	65	65	63	58	51	51
813	117	0.05	31	68	73	68	61	61	59	54	47	47
650	75	0.03	25	63	68	63	56	56	54	49	42	42



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-400/4/1



Impeller

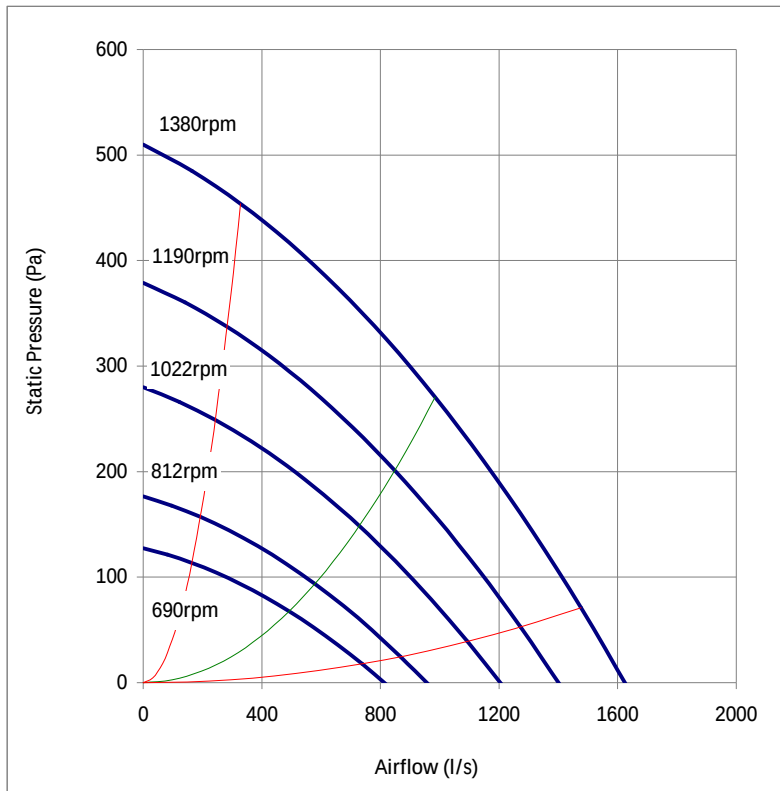
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

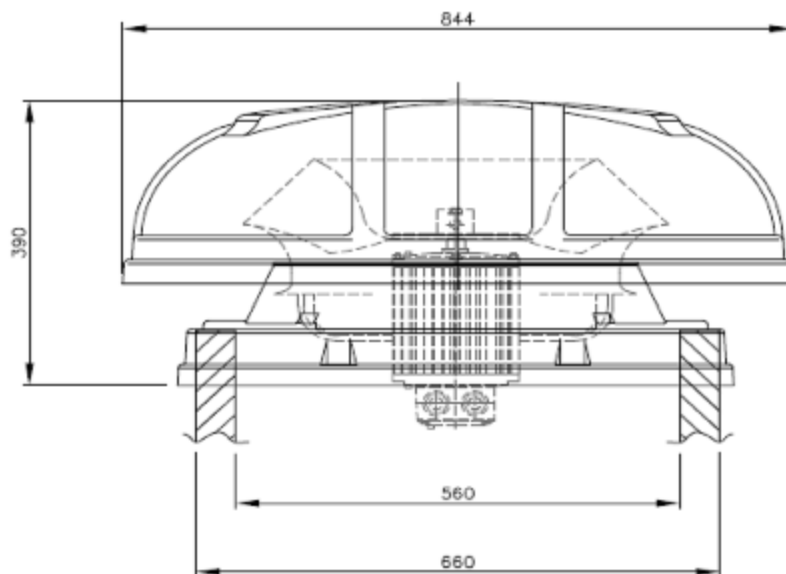
Type IE2
IP Rating 55
Insulation Class 155
Power 0.50 Kw
Power Supply 230V/1PH/50Hz
Speed 1380 rpm
FLC 3.40 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 37 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1380	510	0.50	230	81	84	83	77	77	74	70	65	61
1190	379	0.32	200	78	81	80	74	74	71	67	62	58
1022	280	0.20	170	74	77	76	70	70	67	63	58	54
812	176	0.10	130	69	72	71	65	65	62	58	53	49
690	128	0.06	110	66	69	68	62	62	59	55	50	46



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-400/4/3



Impeller

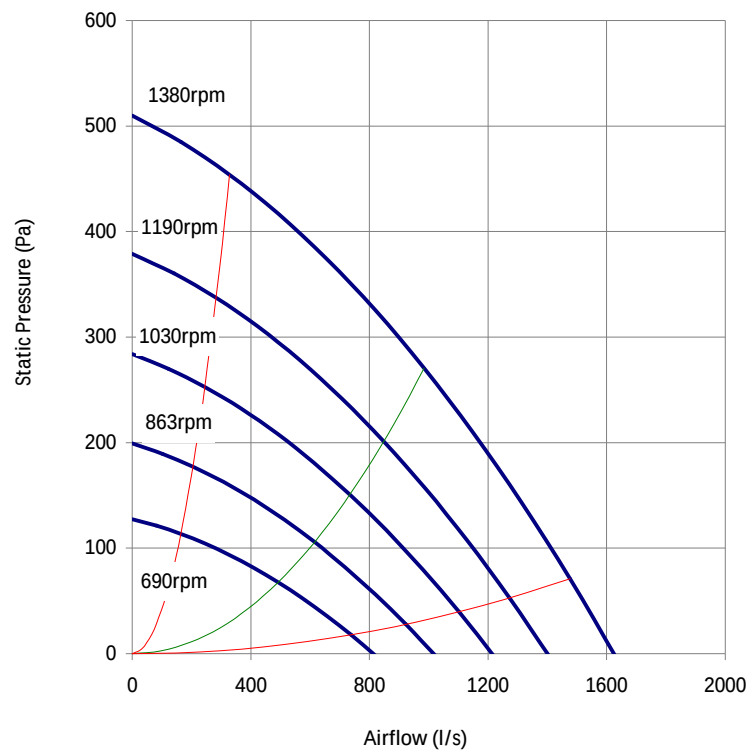
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

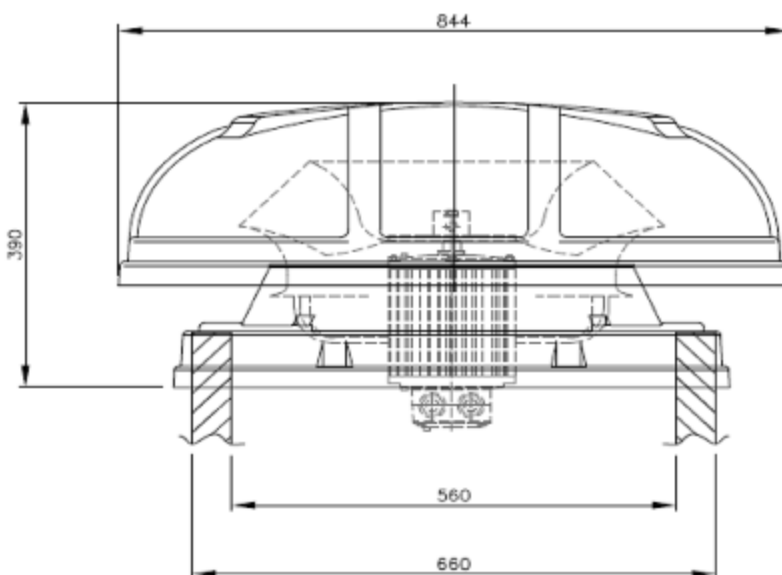
Type IE2
IP Rating 55
Insulation Class 155
Power 0.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1380 rpm
FLC 1.30 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 37 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1380	510	0.50	50	81	84	83	77	77	74	70	65	61
1190	379	0.32	43	78	81	80	74	74	71	67	62	58
1030	284	0.21	37	75	78	77	71	71	68	64	59	55
863	199	0.12	31	71	74	73	67	67	64	60	55	51
690	128	0.06	25	66	69	68	62	62	59	55	50	46



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-400/6/1



Impeller

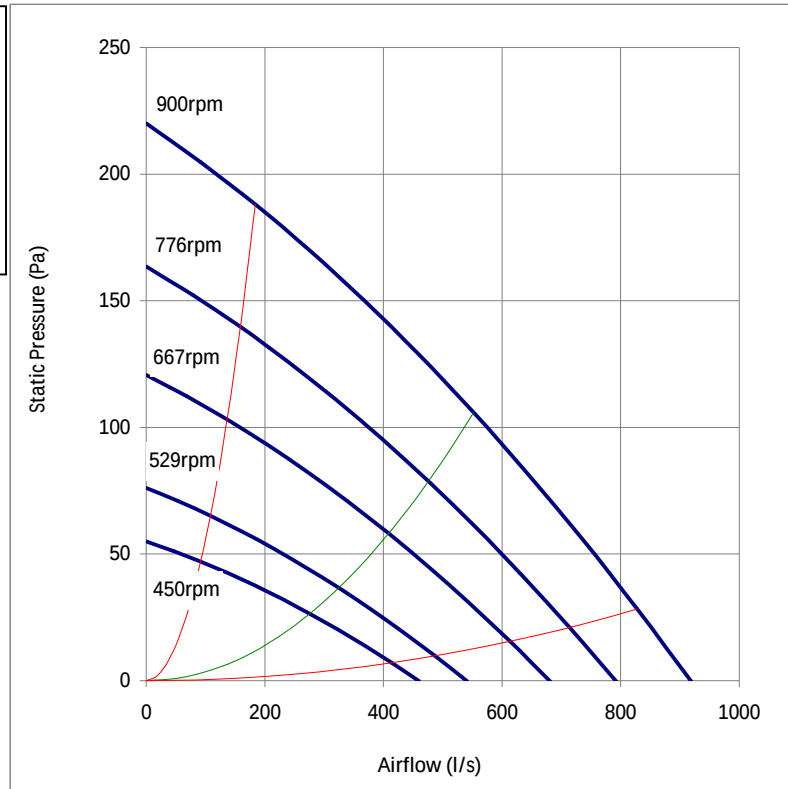
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

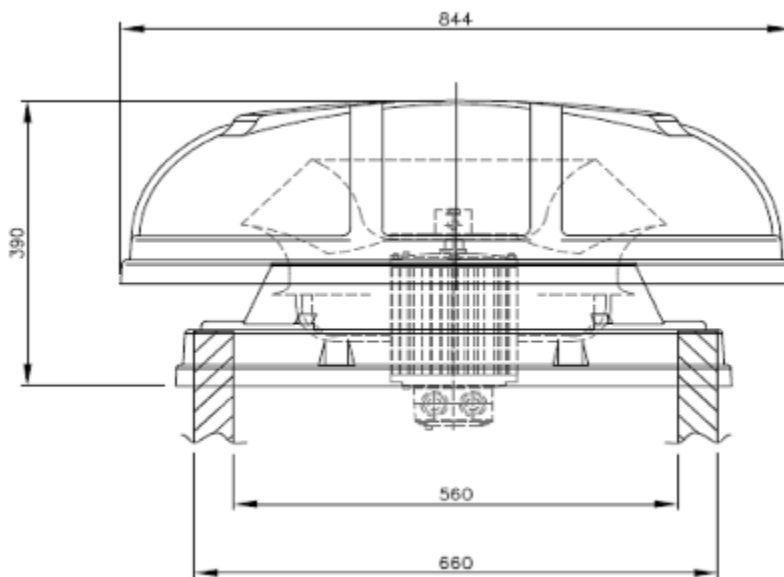
Type IE2
IP Rating 55
Insulation Class 155
Power 0.14 Kw
Power Supply 230V/1PH/50Hz
Speed 900 rpm
FLC 1.25 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 33 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	220	0.14	230	73	74	71	66	66	63	60	51	51
776	163	0.09	200	70	71	68	63	63	60	57	48	48
667	121	0.06	170	66	67	64	59	59	56	53	44	44
529	76	0.03	130	61	62	59	54	54	51	48	39	39
450	55	0.02	110	58	59	56	51	51	48	45	36	36



Roof Mixed Flow Extract Fan - Down Discharge

DSMR-400/6/3



Impeller

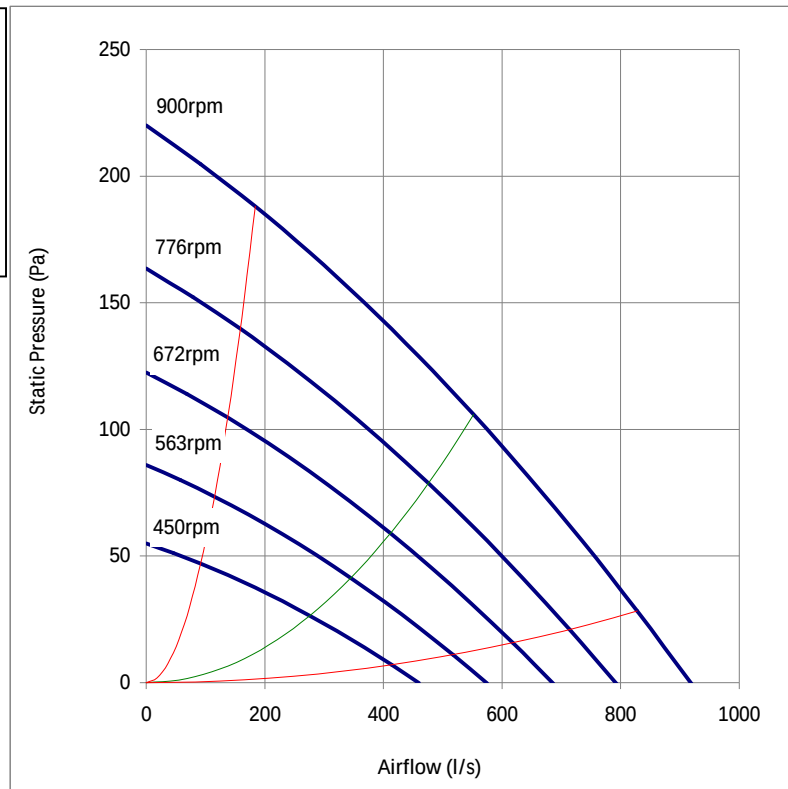
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

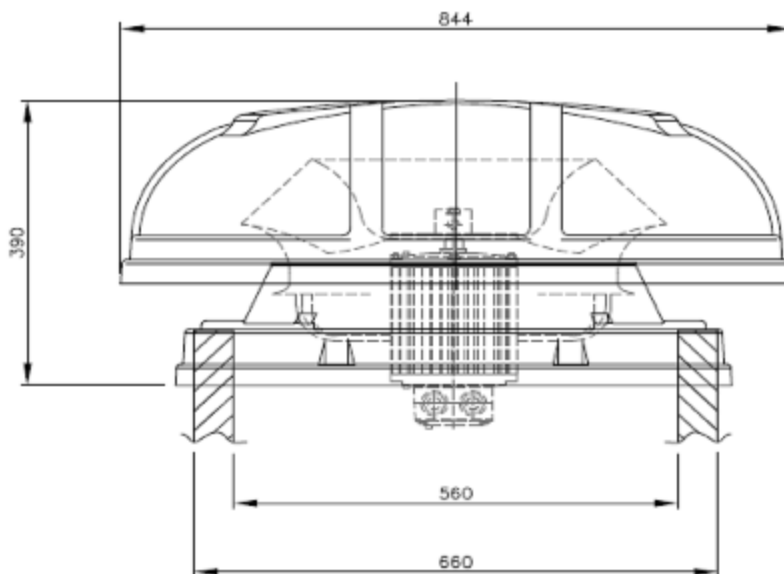
Type IE2
IP Rating 55
Insulation Class 155
Power 0.18 Kw
Power Supply 400V/3PH/50Hz
Speed 900 rpm
FLC 0.80 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 33 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	220	0.18	50	73	74	71	66	66	63	60	51	51
776	163	0.12	43	70	71	68	63	63	60	57	48	48
672	123	0.07	37	67	68	65	60	60	57	54	45	45
563	86	0.04	31	63	64	61	56	56	53	50	41	41
450	55	0.02	25	58	59	56	51	51	48	45	36	36



Roof Mixed Flow Extract Fan - Down Discharge

DSM-500/4/3



Impeller

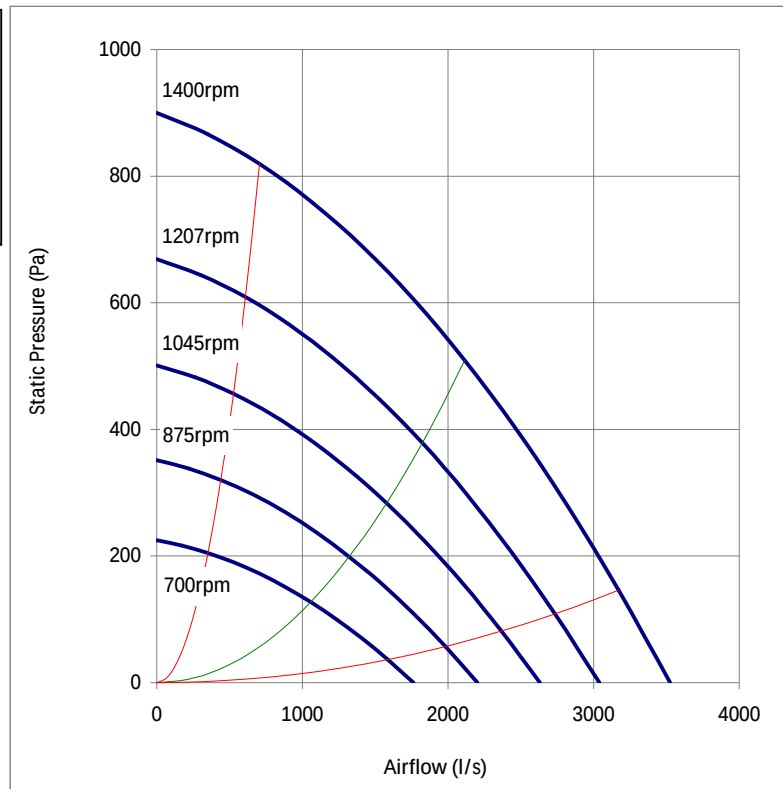
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

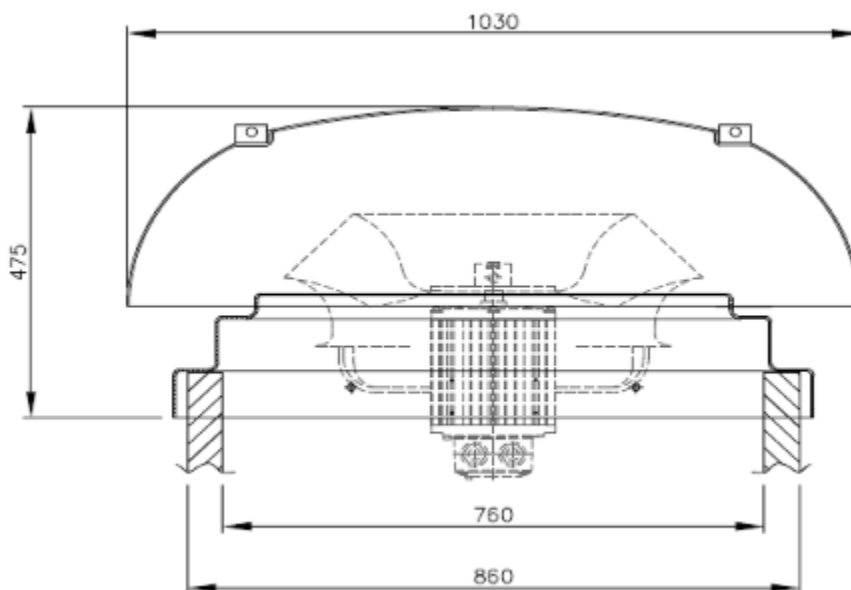
Type IE2
IP Rating 55
Insulation Class 155
Power 2.30 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 rpm
FLC 5.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 64 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	900	2.30	50	91	93	92	88	86	83	79	74	71
1207	669	1.47	43	88	90	89	85	83	80	76	71	68
1045	501	0.96	37	85	87	86	82	80	77	73	68	65
875	352	0.56	31	81	83	82	78	76	73	69	64	61
700	225	0.29	25	76	78	77	73	71	68	64	59	56



Roof Mixed Flow Extract Fan - Down Discharge

DSM-500/6/1



Impeller

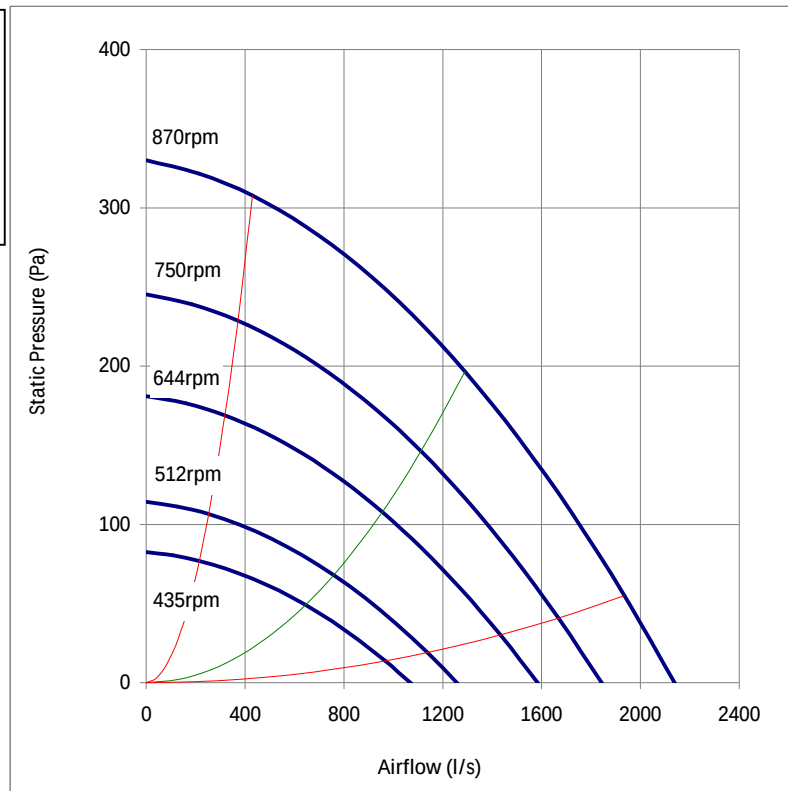
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

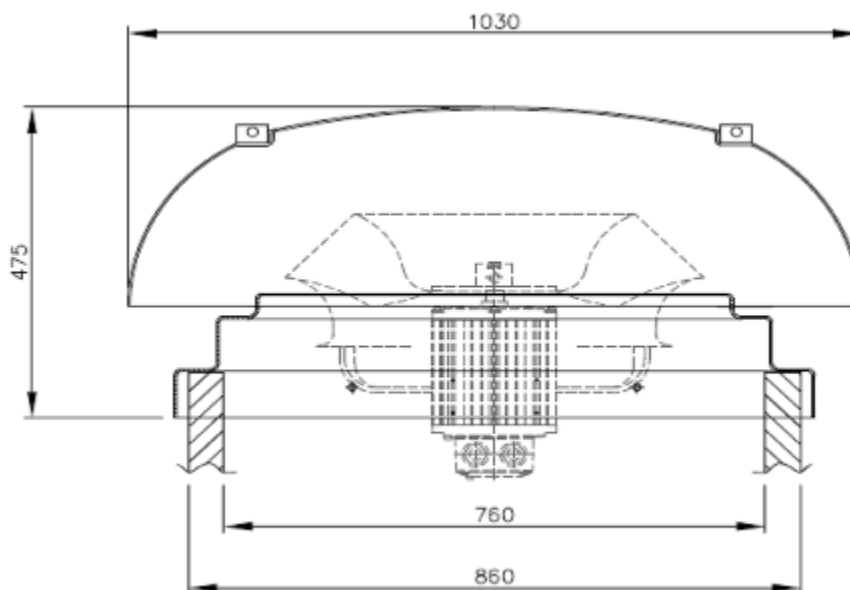
Type IE2
IP Rating 55
Insulation Class 155
Power 0.43 Kw
Power Supply 230V/1PH/50Hz
Speed 870 rpm
FLC 3.30 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 58 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	330	0.43	230	82	81	80	74	72	69	64	59	58
750	245	0.28	200	79	78	77	71	69	66	61	56	55
644	181	0.17	170	75	74	73	67	65	62	57	52	51
512	114	0.09	130	70	69	68	62	60	57	52	47	46
435	83	0.05	110	67	66	65	59	57	54	49	44	43



Roof Mixed Flow Extract Fan - Down Discharge

DSM-500/6/3



Impeller

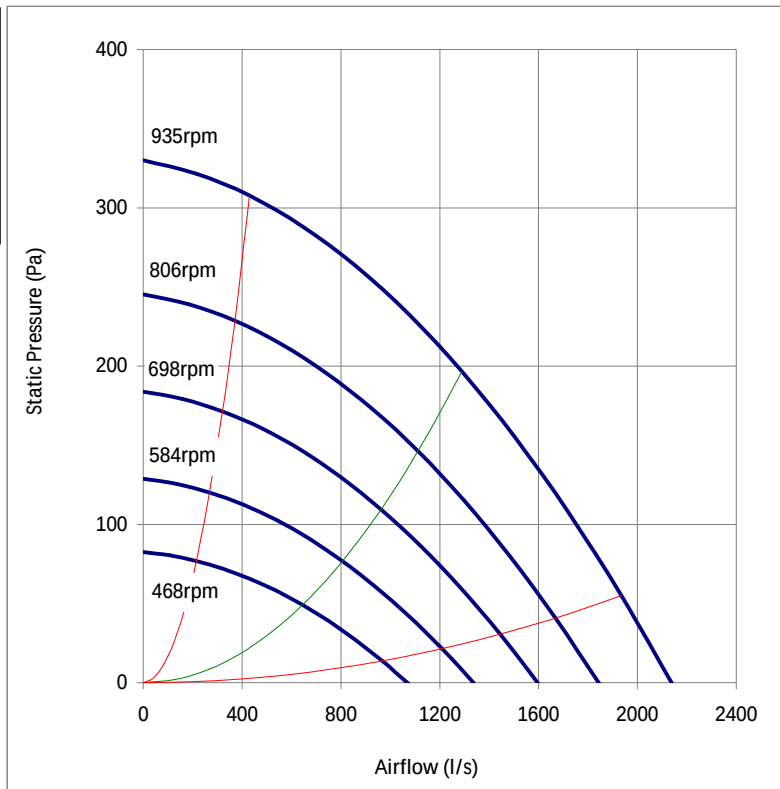
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

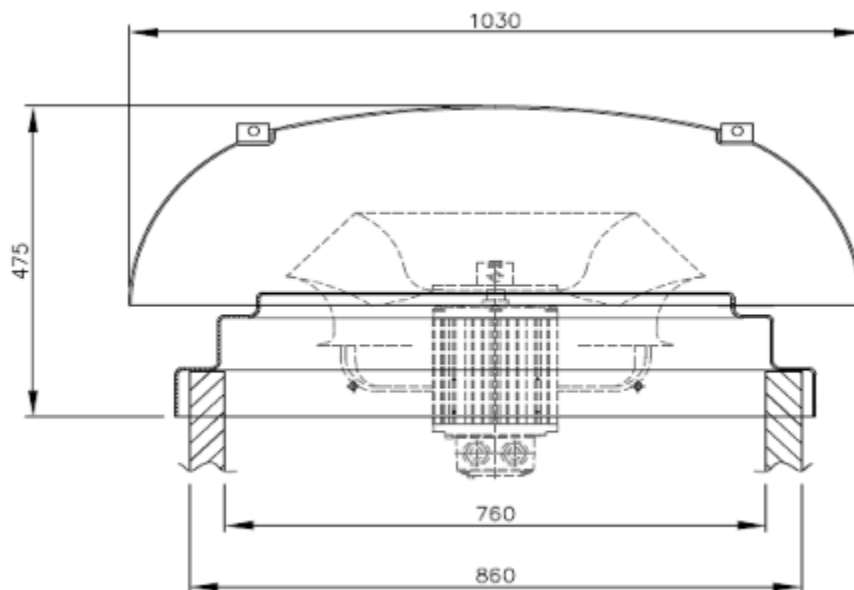
Type IE2
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 935 rpm
FLC 1.80 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 58 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
935	330	0.55	50	82	81	80	74	72	69	64	59	58
806	245	0.35	43	79	78	77	71	69	66	61	56	55
698	184	0.23	37	76	75	74	68	66	63	58	53	52
584	129	0.13	31	72	71	70	64	62	59	54	49	48
468	83	0.07	25	67	66	65	59	57	54	49	44	43



Roof Mixed Flow Extract Fan - Down Discharge

DSM-500/8/3



Impeller

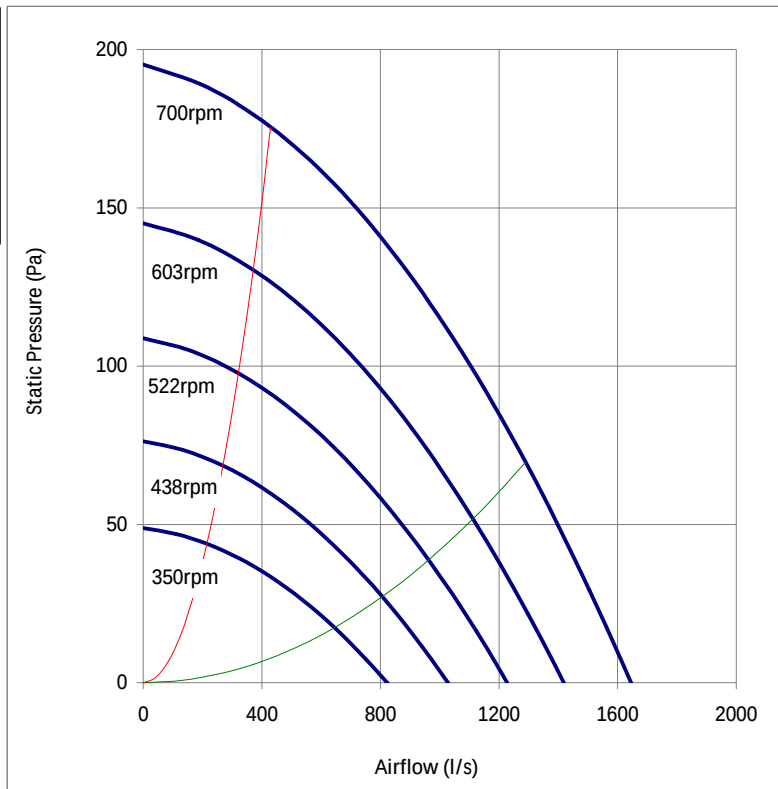
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

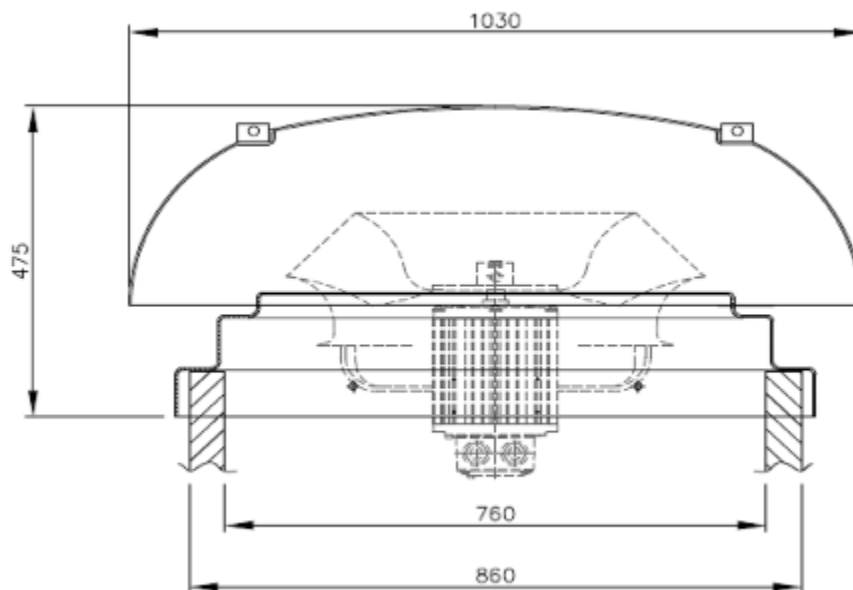
Type IE2
IP Rating 55
Insulation Class 155
Power 0.25 Kw
Power Supply 400V/3PH/50Hz
Speed 700 rpm
FLC 1.20 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 58 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
700	195	0.25	50	77	77	76	69	68	64	59	54	53
603	145	0.16	43	74	74	73	66	65	61	56	51	50
522	109	0.10	37	71	71	70	63	62	58	53	48	47
438	76	0.06	31	67	67	66	59	58	54	49	44	43
350	49	0.03	25	62	62	61	54	53	49	44	39	38



Roof Mixed Flow Extract Fan - Down Discharge

DSM-630/6/3



Impeller

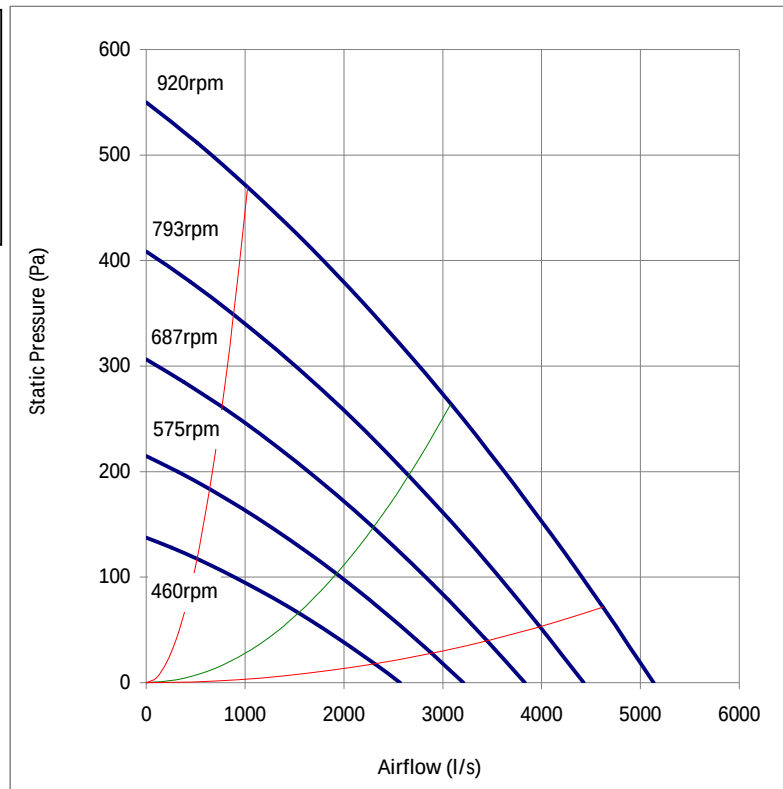
Size 630 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

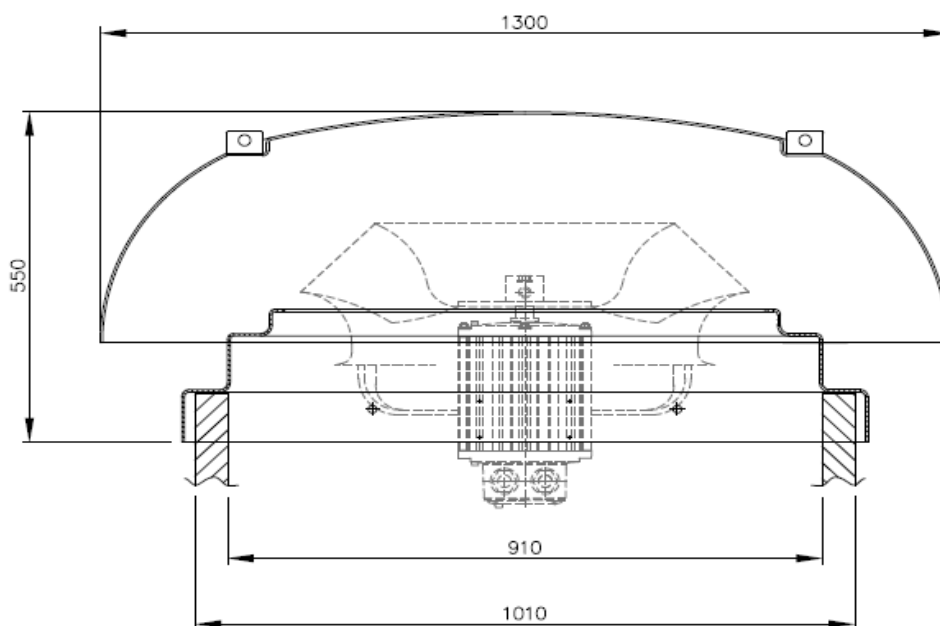
Type IE2
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 920 rpm
FLC 4.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 85 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
920	550	2.20	50	90	89	89	84	81	78	74	69	67
793	409	1.41	43	87	86	86	81	78	75	71	66	64
687	306	0.91	37	84	83	83	78	75	72	68	63	61
575	215	0.54	31	80	79	79	74	71	68	64	59	57
460	138	0.28	25	75	74	74	69	66	63	59	54	52



Roof Mixed Flow Extract Fan - Down Discharge

DSM-630/8/3



Impeller

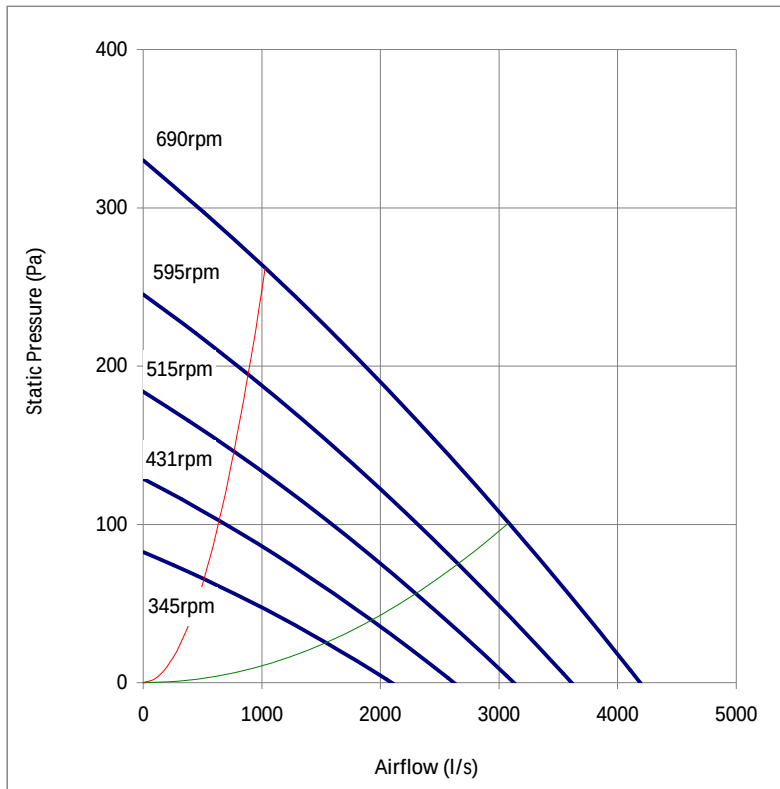
Size 630 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

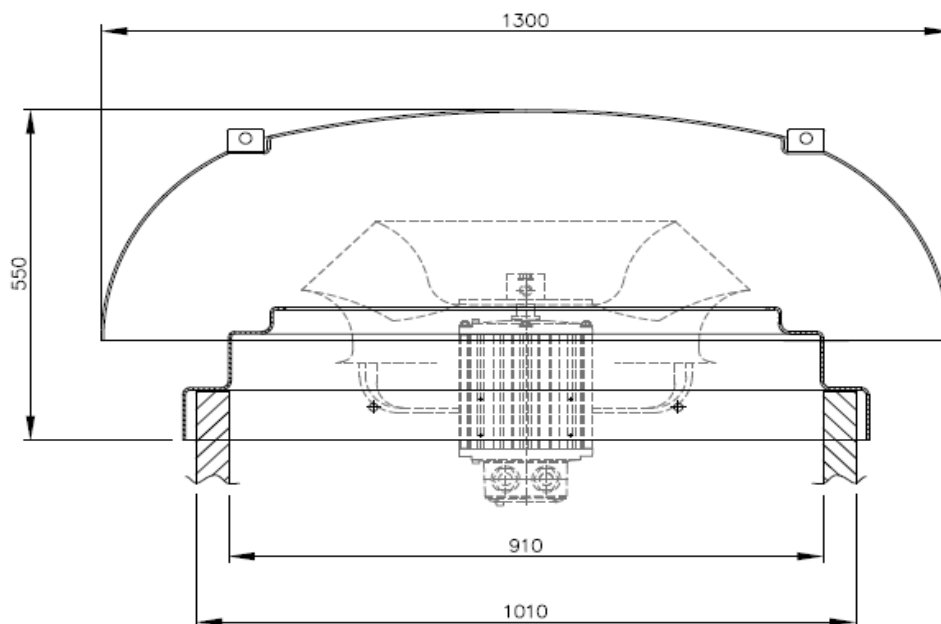
Type IE2
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 690 rpm
FLC 2.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 75 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
690	330	0.75	50	85	84	83	76	75	71	66	62	60
595	245	0.48	43	82	81	80	73	72	68	63	59	57
515	184	0.31	37	79	78	77	70	69	65	60	56	54
431	129	0.18	31	75	74	73	66	65	61	56	52	50
345	83	0.09	25	70	69	68	61	60	56	51	47	45



Roof Mixed Flow Extract Fan - Down Discharge

DSM-760/6/3



Impeller

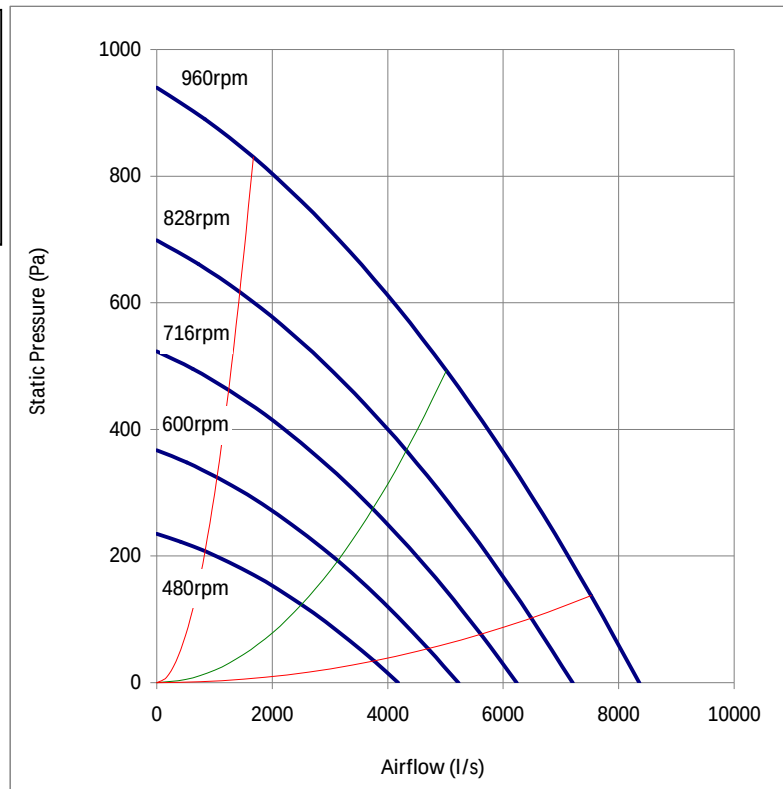
Size 760 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

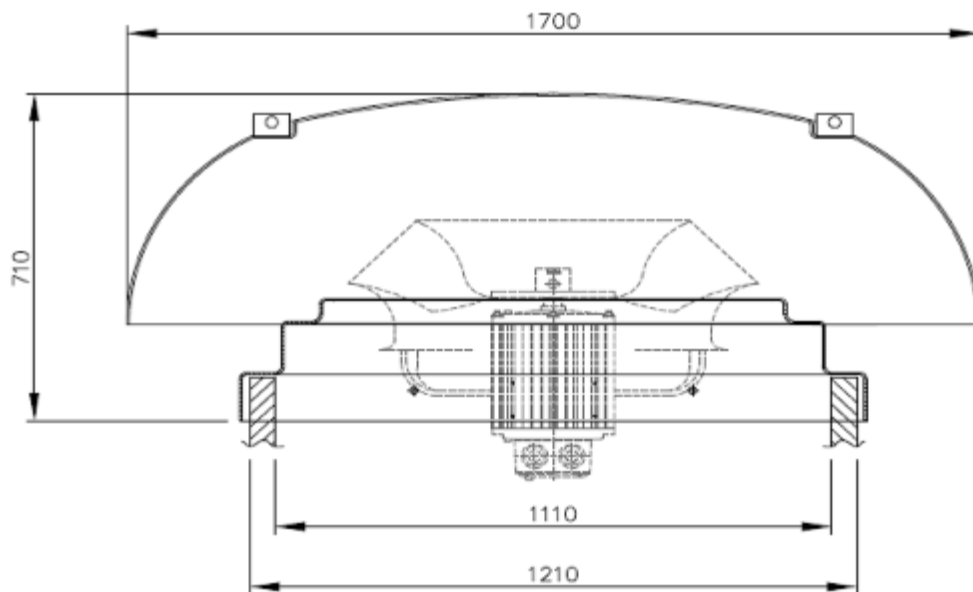
Type IE2
IP Rating 55
Insulation Class 155
Power 6.30 Kw
Power Supply 400V/3PH/50Hz
Speed 960 rpm
FLC 15.00 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 161 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
960	940	6.30	50	98	95	95	94	91	88	81	76	76
828	699	4.04	43	95	92	92	91	88	85	78	73	73
716	524	2.62	37	92	89	89	88	85	82	75	70	70
600	367	1.54	31	88	85	85	84	81	78	71	66	66
480	235	0.79	25	83	80	80	79	76	73	66	61	61



Roof Mixed Flow Extract Fan - Down Discharge

DSM-760/8/3



Impeller

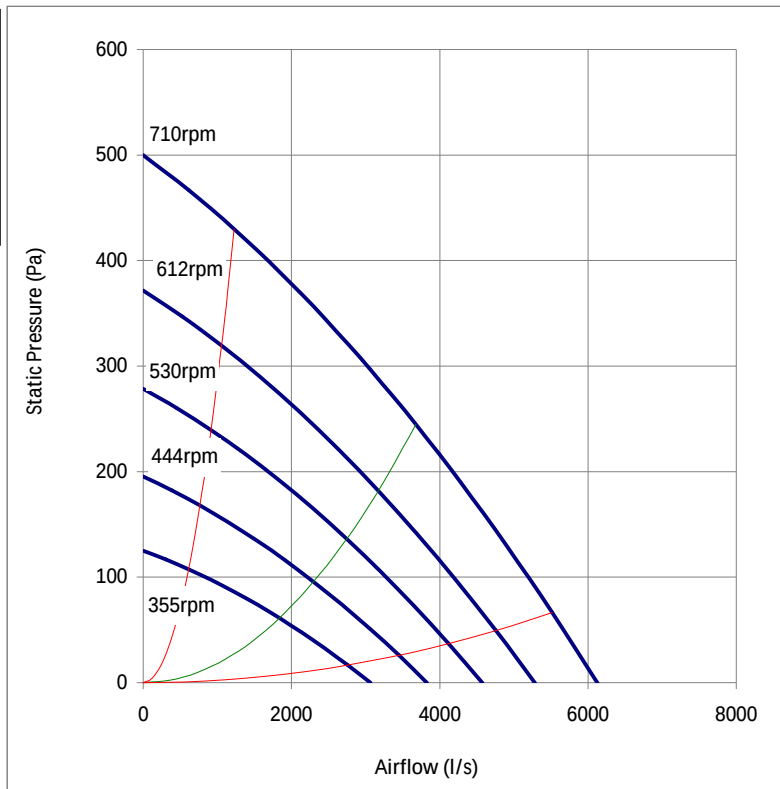
Size 760 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

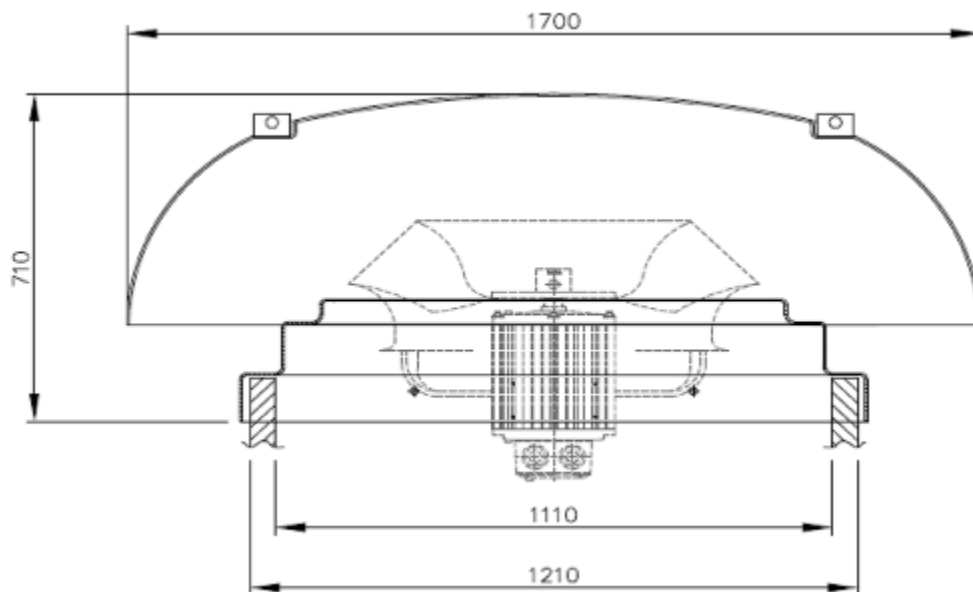
Type IE2
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 710 rpm
FLC 8.60 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 130 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
710	500	3.00	50	94	90	90	86	83	80	73	69	67
612	372	1.92	43	91	87	87	83	80	77	70	66	64
530	278	1.25	37	88	84	84	80	77	74	67	63	61
444	195	0.73	31	84	80	80	76	73	70	63	59	57
355	125	0.38	25	79	75	75	71	68	65	58	54	52



DVM/G

- Roof Extract Unit
- Vertical Discharge
- Mixed Flow Fan

SPECIFICATION

Sizes

250, 330, 400, 500, 630, 760mm diameter

Fan Performance

The DVM/DVMG is a direct drive, Mixed Flow, Vertical Discharge Roof Extract Fan unit of proven performance. The impeller is designed to give excellent performance characteristic with high static pressure development and high airflow without stall

Impellers

The impeller is of Woods patented design with integral inlet fairing spun to close tolerances for optimum performance. The impellers are manufactured from aluminium and balanced according to ISO1940.

Motors

Motor are totally enclosed airstream rated, squirrel cage induction type. Motor enclosure to feature IP55 protection. Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Casing

Windband and base of the fans are of UV stabilised fibreglass for DVM units and galvanised steel for DVMG series. Impeller/motor assembly to be supported by a galvanised steel. Backflow shutters to be fit as standard.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997
Sound levels – Established from tests in accordance with ISO3745

Woods DVM Mixed Flow Roof Fan



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-250/4/1



Impeller

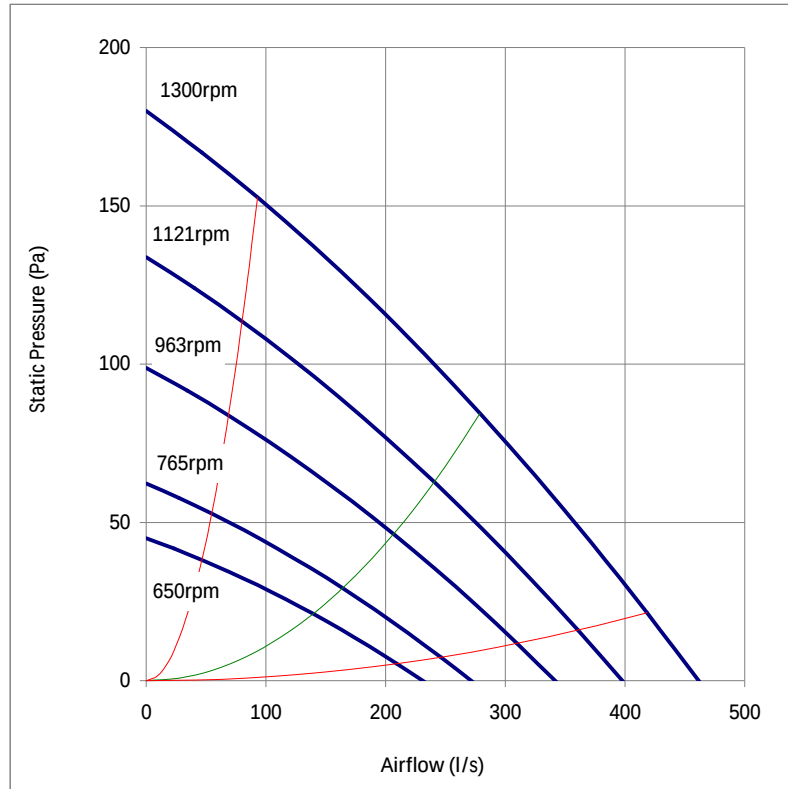
Size 250 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

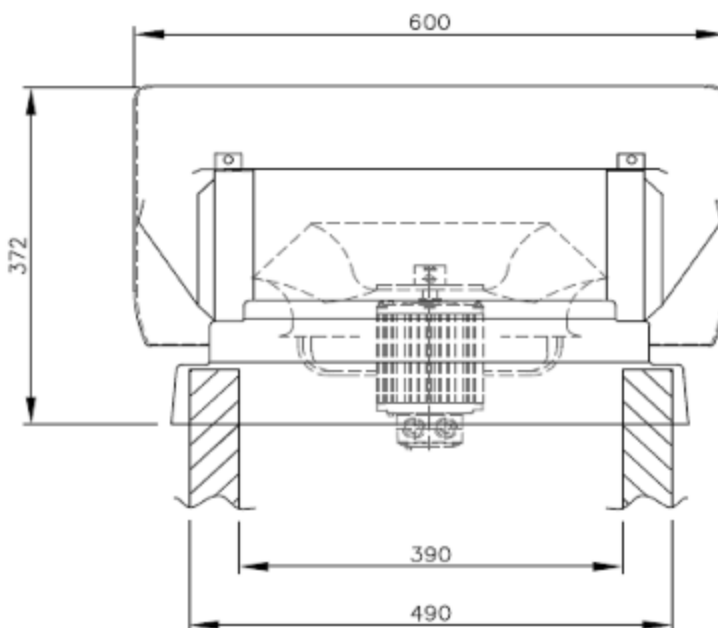
Type IE2
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 0.80 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 22 Kg
Max. Temp 50 °C

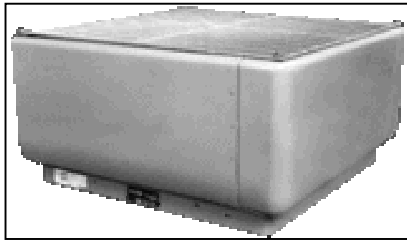


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	180	0.10	230	73	76	69	65	67	65	61	57	50
1121	134	0.06	200	70	73	66	62	64	62	58	54	47
963	99	0.04	170	66	69	62	58	60	58	54	50	43
765	62	0.02	130	61	64	57	53	55	53	49	45	38
650	45	0.01	110	58	61	54	50	52	50	46	42	35



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-250/6/1



Impeller

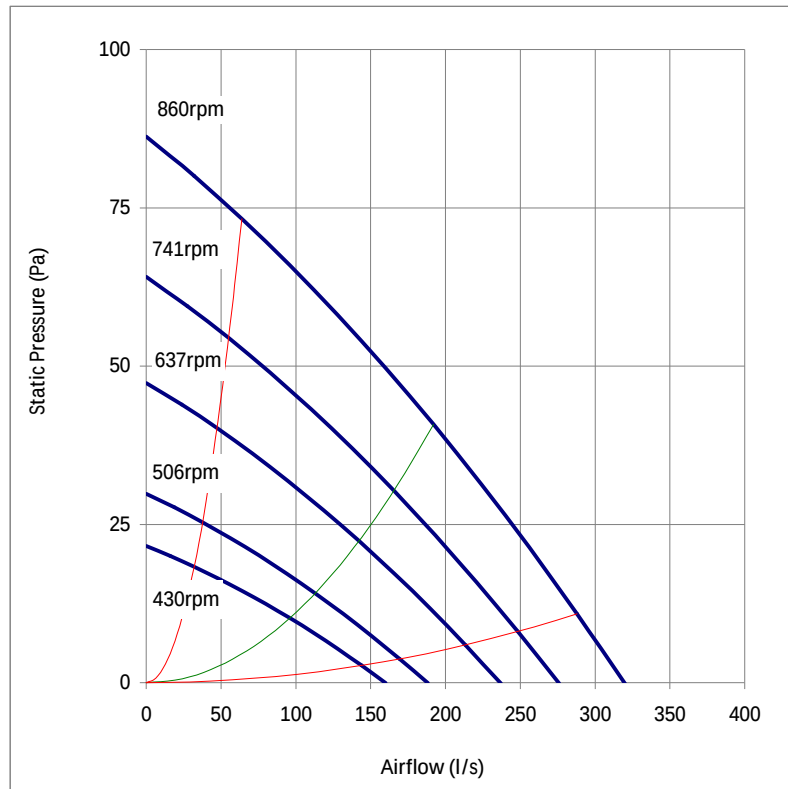
Size 250 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

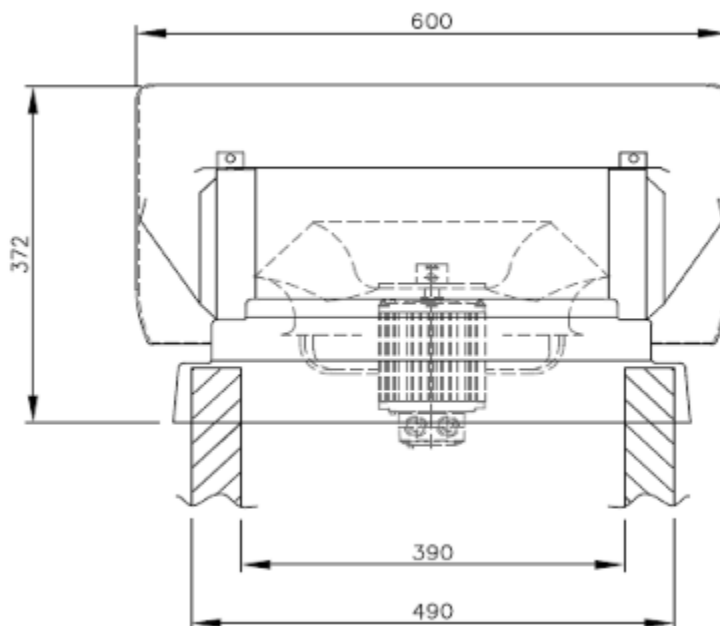
Type IE2
IP Rating 55
Insulation Class 155
Power 0.04 Kw
Power Supply 230V/1PH/50Hz
Speed 860 rpm
FLC 0.35 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Fibreglass/Galvanised Steel
Weight 22 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
860	86	0.04	230	66	67	58	54	56	54	50	46	39
741	64	0.03	200	63	64	55	51	53	51	47	43	36
637	47	0.02	170	59	60	51	47	49	47	43	39	32
506	30	0.01	130	54	55	46	42	44	42	38	34	27
430	22	0.01	110	51	52	43	39	41	39	35	31	24



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-330/4/1



Impeller

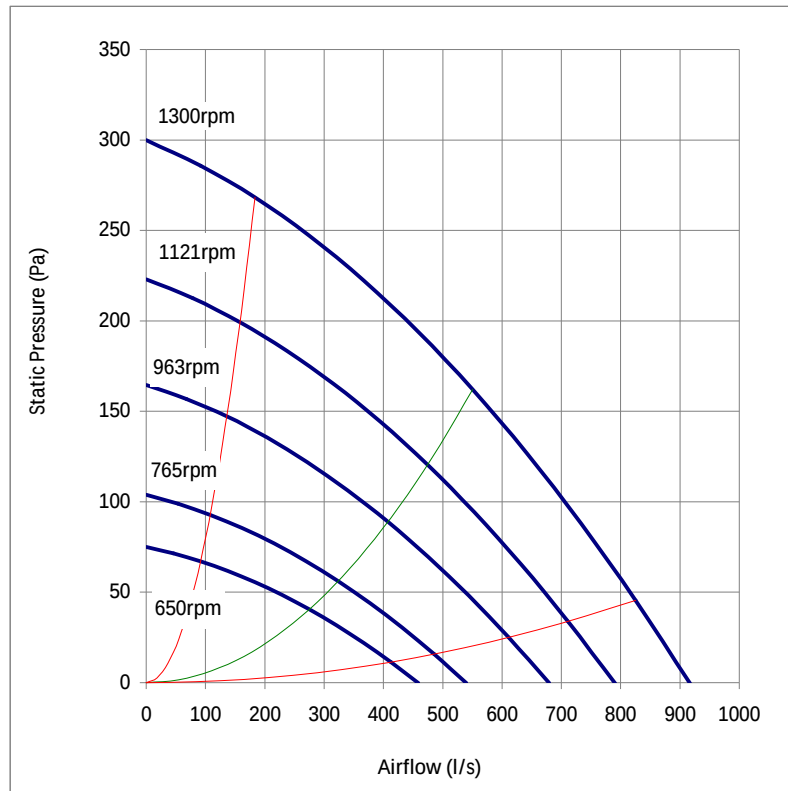
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

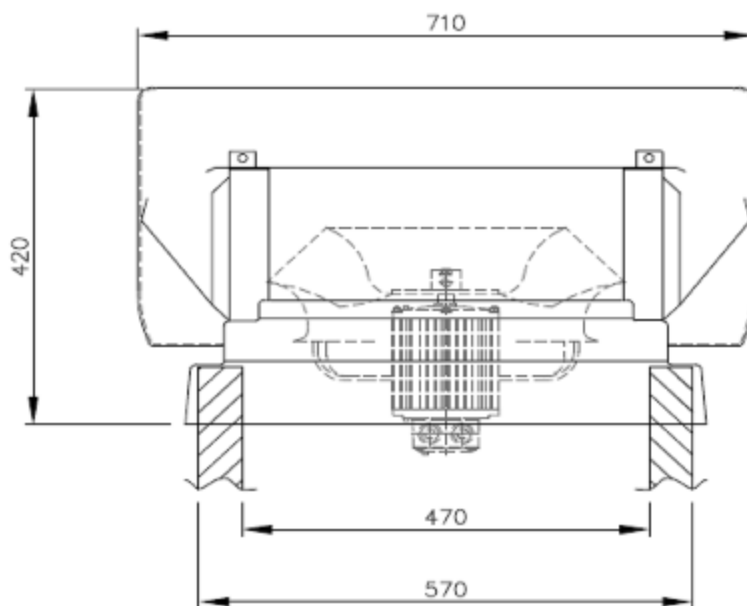
Type IE2
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 1.80 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	300	0.22	230	78	83	78	71	71	69	64	57	57
1121	223	0.14	200	75	80	75	68	68	66	61	54	54
963	165	0.09	170	71	76	71	64	64	62	57	50	50
765	104	0.04	130	66	71	66	59	59	57	52	45	45
650	75	0.03	110	63	68	63	56	56	54	49	42	42



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-330/4/3



Impeller

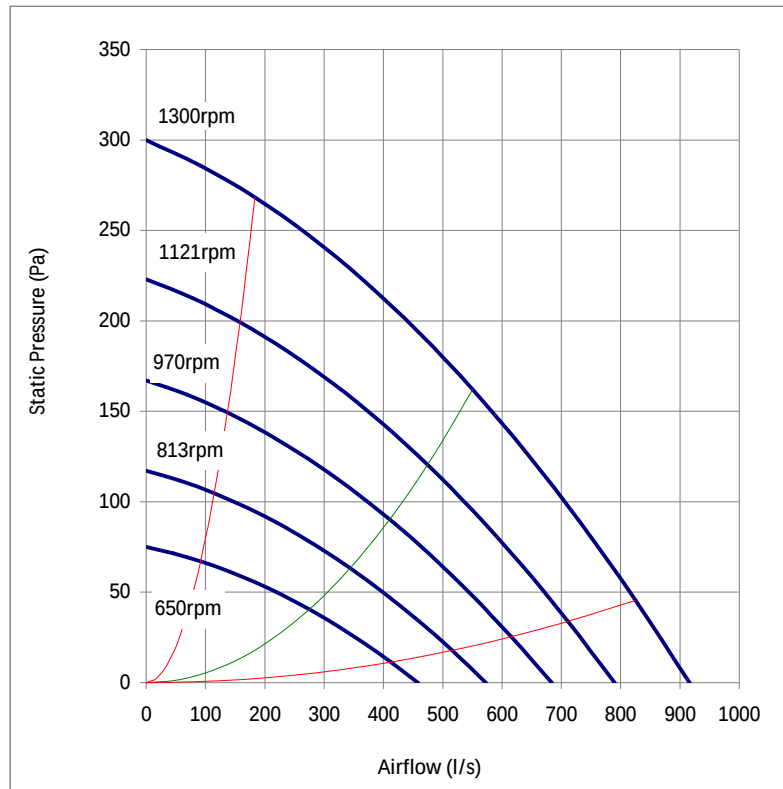
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

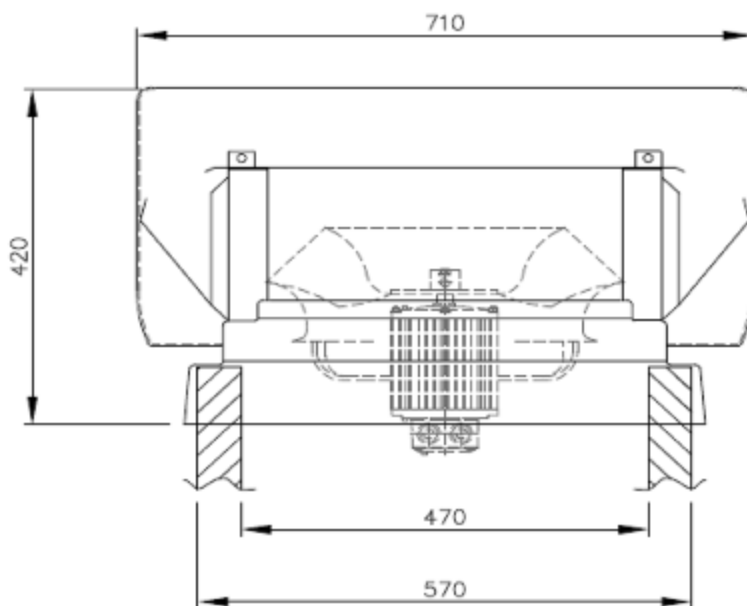
Type IE2
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 400V/3PH/50Hz
Speed 1300 rpm
FLC 0.70 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	300	0.22	50	78	83	78	71	71	69	64	57	57
1121	223	0.14	43	75	80	75	68	68	66	61	54	54
970	167	0.09	37	72	77	72	65	65	63	58	51	51
813	117	0.05	31	68	73	68	61	61	59	54	47	47
650	75	0.03	25	63	68	63	56	56	54	49	42	42



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-330/6/1



Impeller

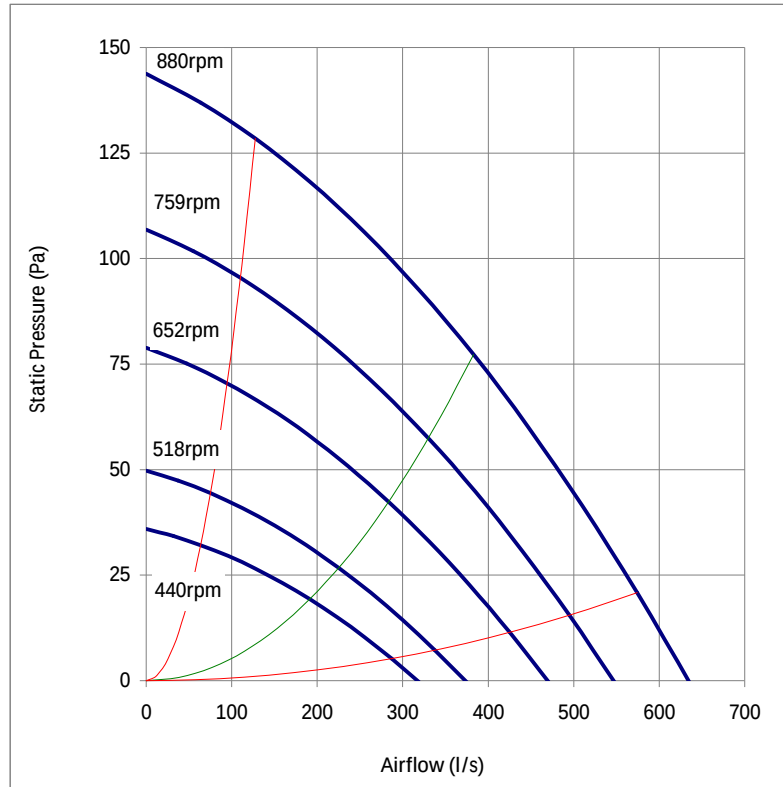
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

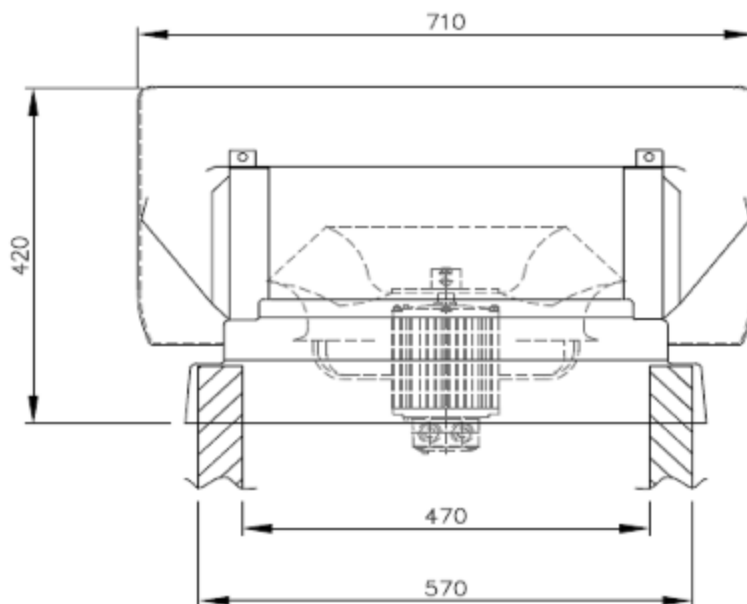
Type IE2
IP Rating 55
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 880 rpm
FLC 1.00 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Fibreglass/Galvanised Steel
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	144	0.08	230	73	74	68	61	60	57	54	46	46
759	107	0.05	200	70	71	65	58	57	54	51	43	43
652	79	0.03	170	66	67	61	54	53	50	47	39	39
518	50	0.02	130	61	62	56	49	48	45	42	34	34
440	36	0.01	110	58	59	53	46	45	42	39	31	31



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-400/4/1



Impeller

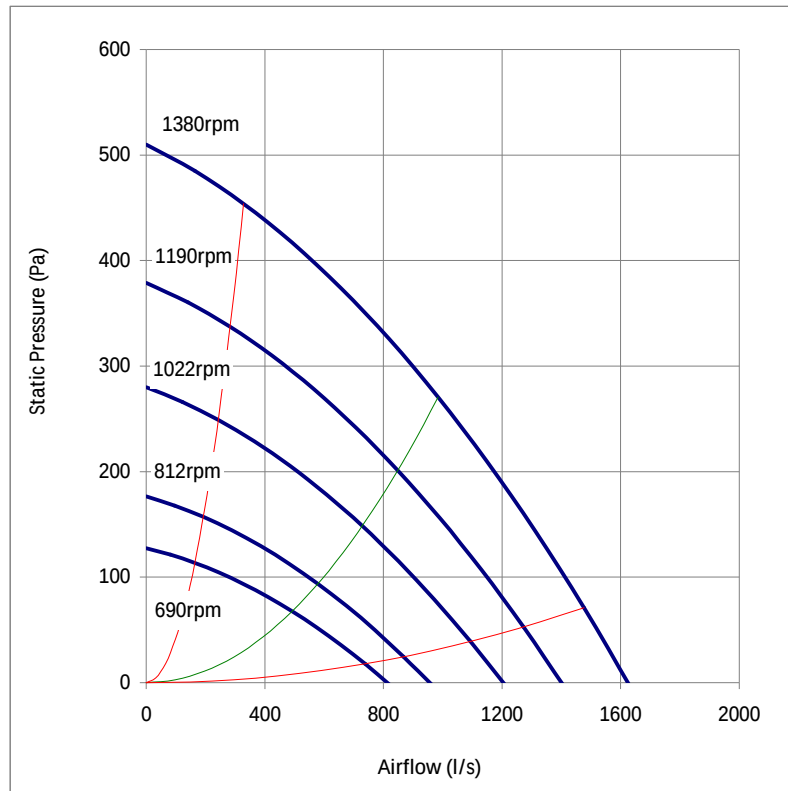
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

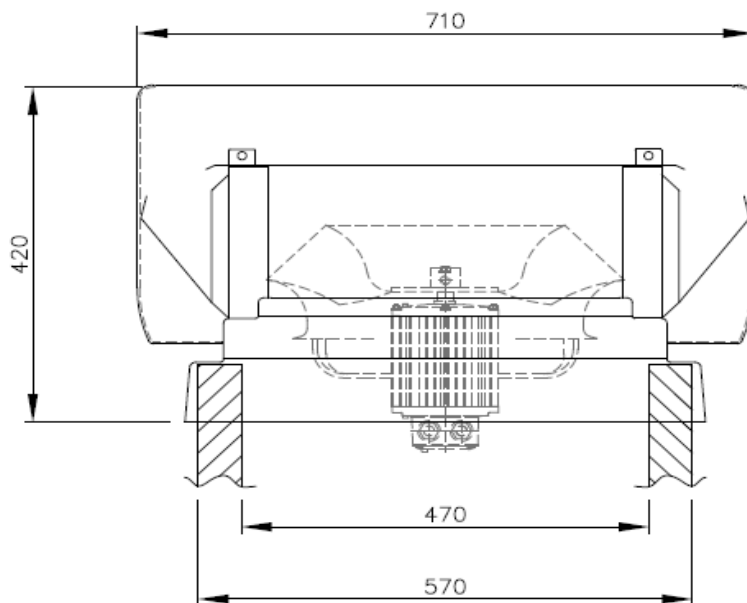
Type IE2
IP Rating 55
Insulation Class 155
Power 0.50 Kw
Power Supply 230V/1PH/50Hz
Speed 1380 rpm
FLC 3.40 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 40 kg
Max. Temp 50 °C

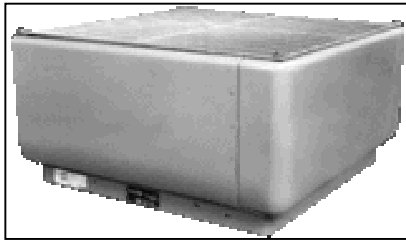


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1380	510	0.50	230	81	84	83	77	77	74	70	65	61
1190	379	0.32	200	78	81	80	74	74	71	67	62	58
1022	280	0.20	170	74	77	76	70	70	67	63	58	54
812	176	0.10	130	69	72	71	65	65	62	58	53	49
690	128	0.06	110	66	69	68	62	62	59	55	50	46



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-400/4/3



Impeller

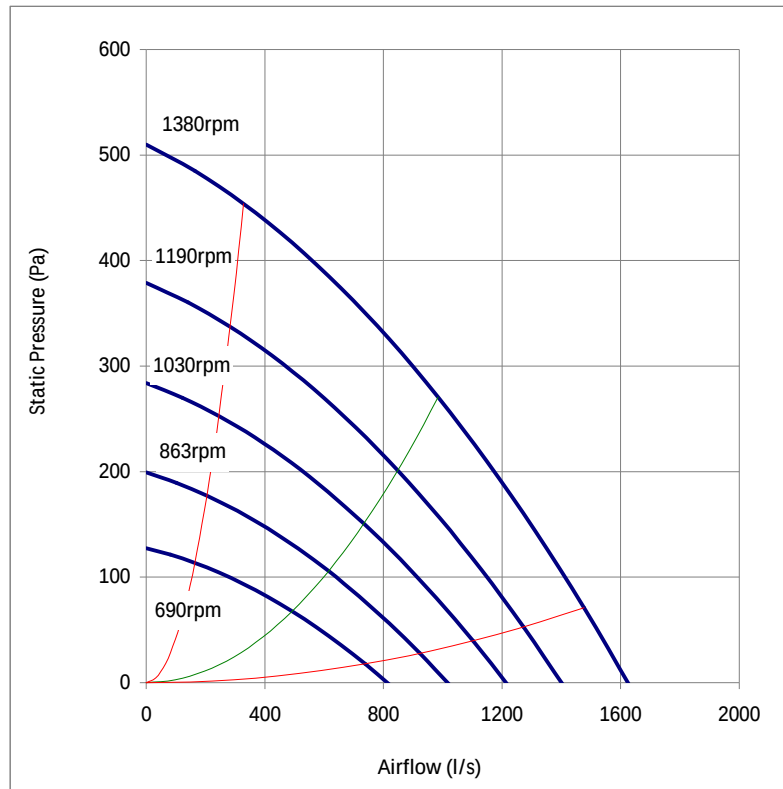
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

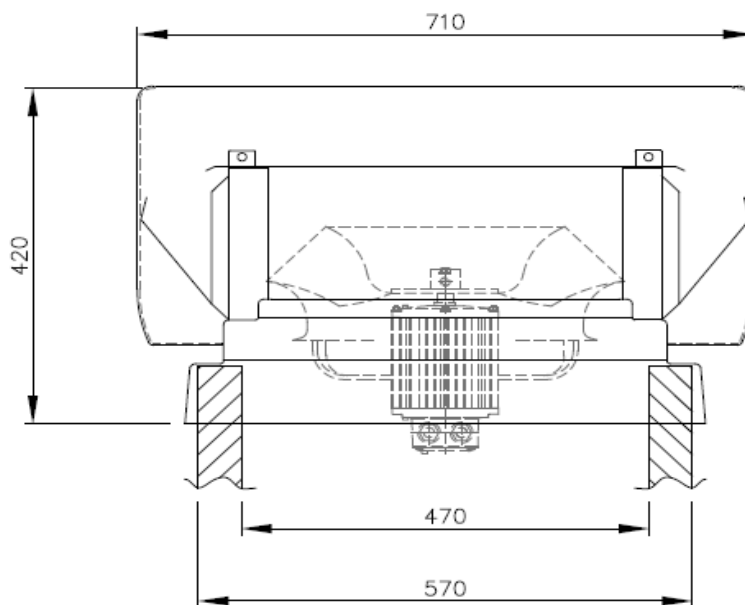
Type IE2
IP Rating 55
Insulation Class 155
Power 0.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1380 rpm
FLC 1.30 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 40 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1380	510	0.50	50	81	84	83	77	77	74	70	65	61
1190	379	0.32	43	78	81	80	74	74	71	67	62	58
1030	284	0.21	37	75	78	77	71	71	68	64	59	55
863	199	0.12	31	71	74	73	67	67	64	60	55	51
690	128	0.06	25	66	69	68	62	62	59	55	50	46



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-400/6/1



Impeller

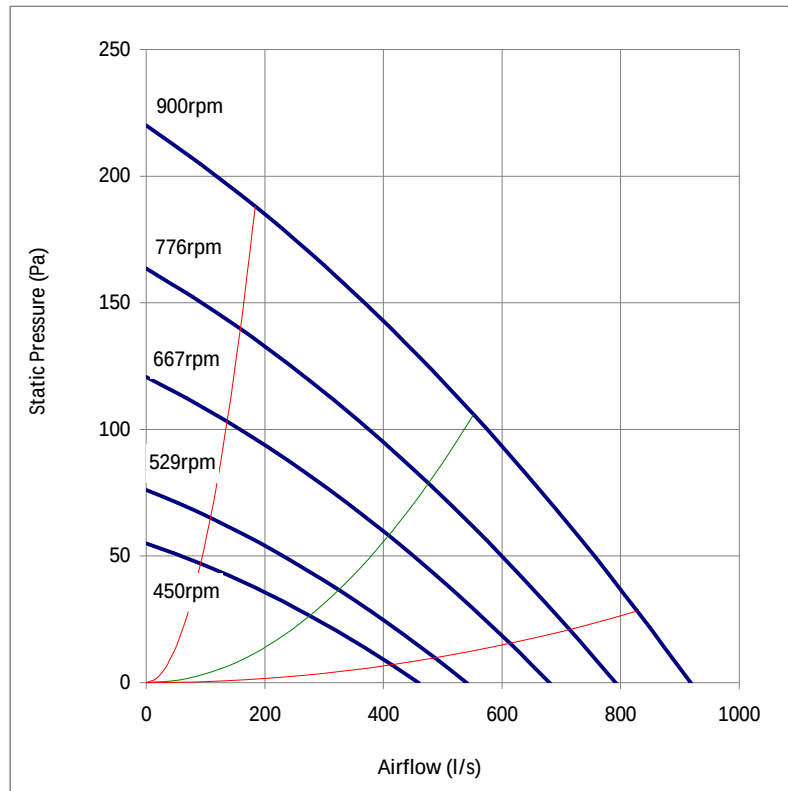
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

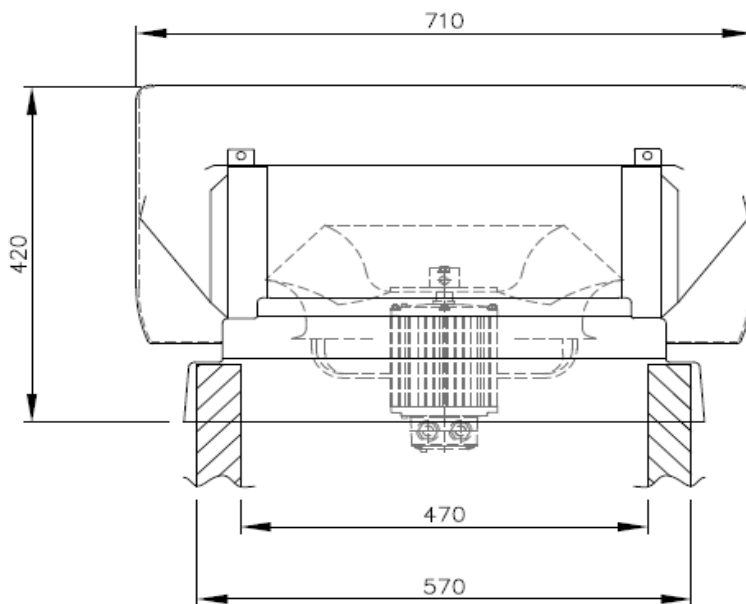
Type IE2
IP Rating 55
Insulation Class 155
Power 0.14 Kw
Power Supply 230V/1PH/50Hz
Speed 900 rpm
FLC 1.25 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 36 kg
Max. Temp 50 °C

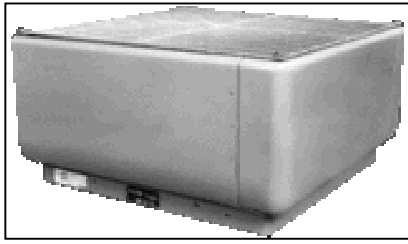


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	220	0.14	230	73	74	71	66	66	63	60	51	51
776	163	0.09	200	70	71	68	63	63	60	57	48	48
667	121	0.06	170	66	67	64	59	59	56	53	44	44
529	76	0.03	130	61	62	59	54	54	51	48	39	39
450	55	0.02	110	58	59	56	51	51	48	45	36	36



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-400/6/3



Impeller

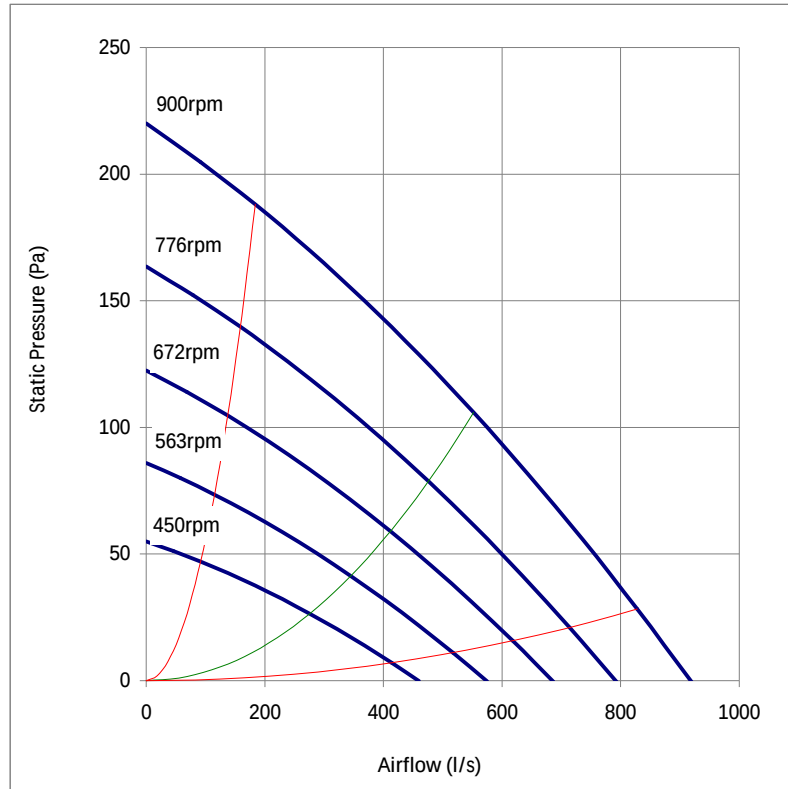
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

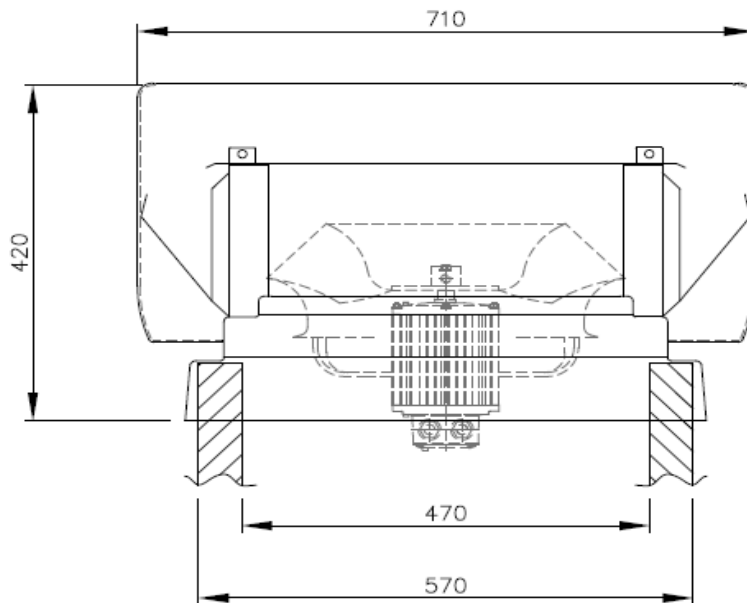
Type IE2
IP Rating 55
Insulation Class 155
Power 0.18 Kw
Power Supply 400V/3PH/50Hz
Speed 900 rpm
FLC 0.80 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 36 kg
Max. Temp 50 °C

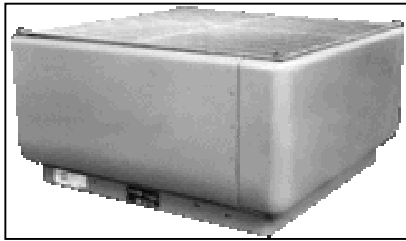


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	220	0.18	50	73	74	71	66	66	63	60	51	51
776	163	0.12	43	70	71	68	63	63	60	57	48	48
672	123	0.07	37	67	68	65	60	60	57	54	45	45
563	86	0.04	31	63	64	61	56	56	53	50	41	41
450	55	0.02	25	58	59	56	51	51	48	45	36	36



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-500/4/3



Impeller

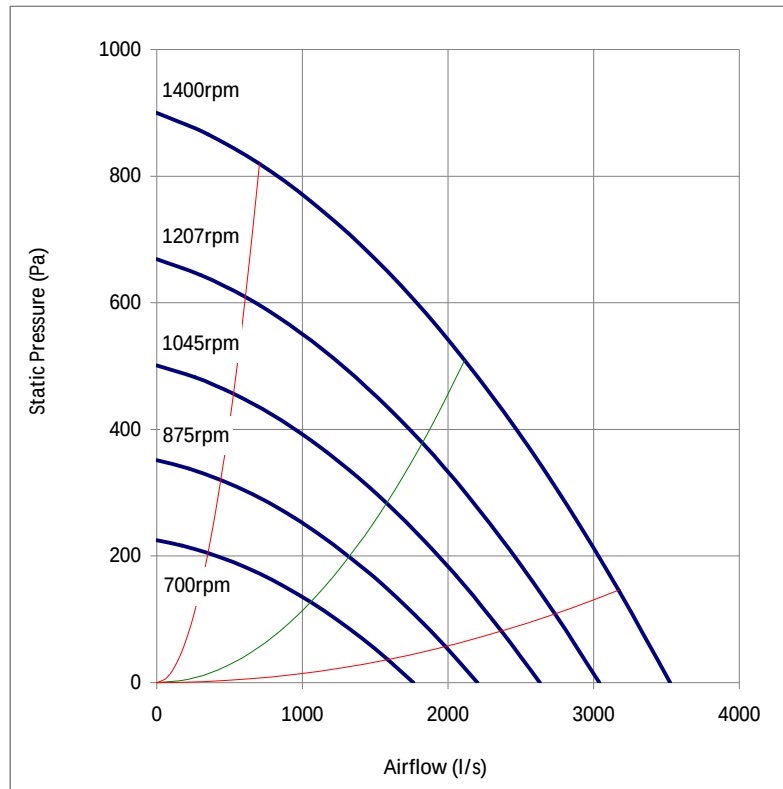
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

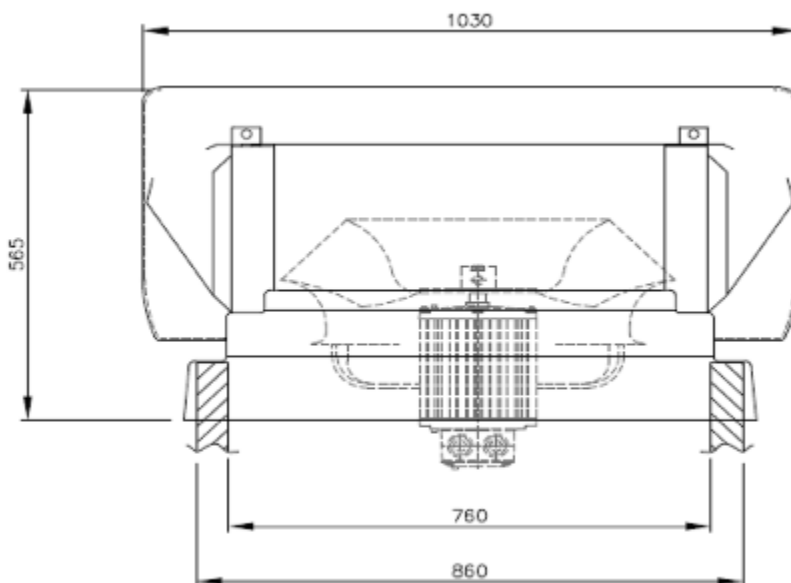
Type IE2
IP Rating 55
Insulation Class 155
Power 2.30 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 rpm
FLC 5.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 68 kg
Max. Temp 50 °C

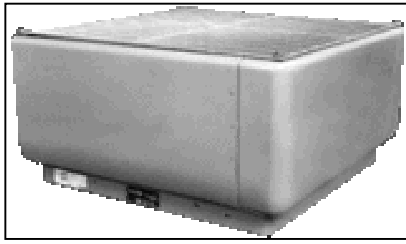


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	900	2.30	50	91	93	92	88	86	83	79	74	71
1207	669	1.47	43	88	90	89	85	83	80	76	71	68
1045	501	0.96	37	85	87	86	82	80	77	73	68	65
875	352	0.56	31	81	83	82	78	76	73	69	64	61
700	225	0.29	25	76	78	77	73	71	68	64	59	56



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-500/6/1



Impeller

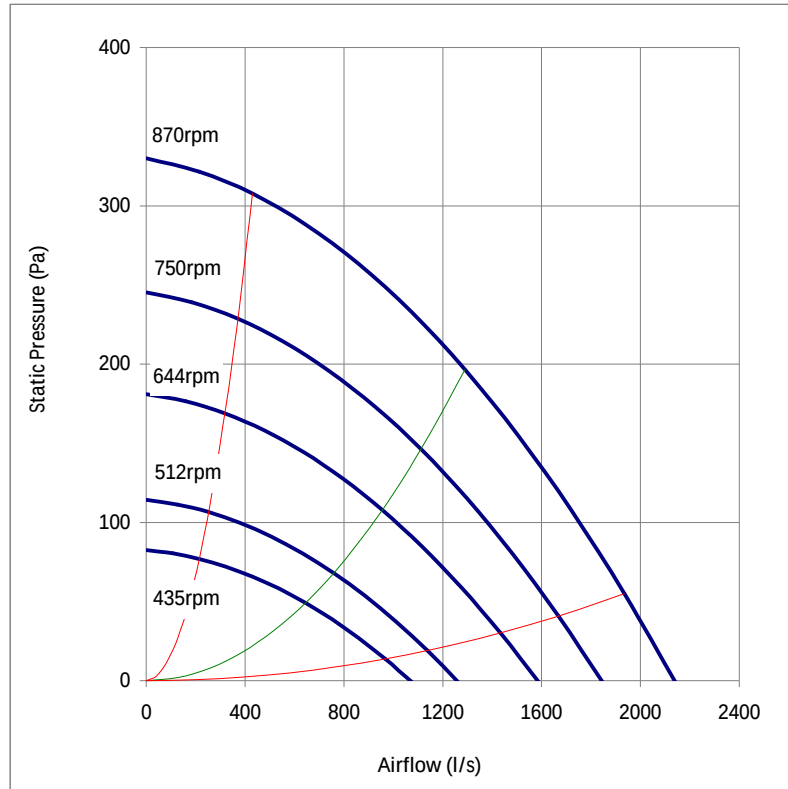
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

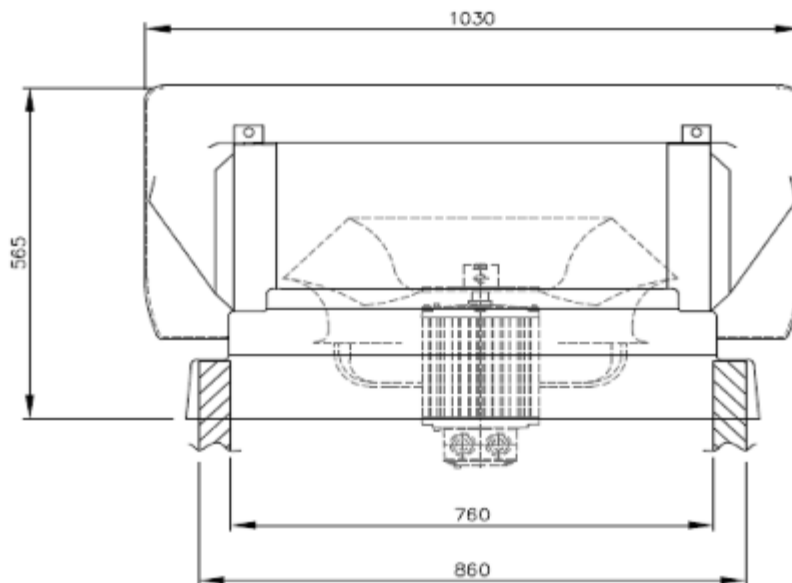
Type IE2
IP Rating 55
Insulation Class 155
Power 0.43 Kw
Power Supply 230V/1PH/50Hz
Speed 870 rpm
FLC 3.30 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 62 kg
Max. Temp 50 °C

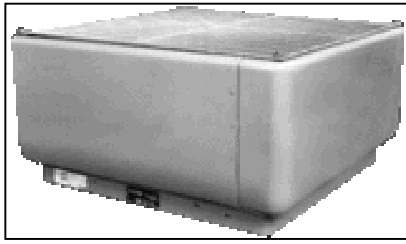


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	330	0.43	230	82	81	80	74	72	69	64	59	58
750	245	0.28	200	79	78	77	71	69	66	61	56	55
644	181	0.17	170	75	74	73	67	65	62	57	52	51
512	114	0.09	130	70	69	68	62	60	57	52	47	46
435	83	0.05	110	67	66	65	59	57	54	49	44	43



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-500/6/3



Impeller

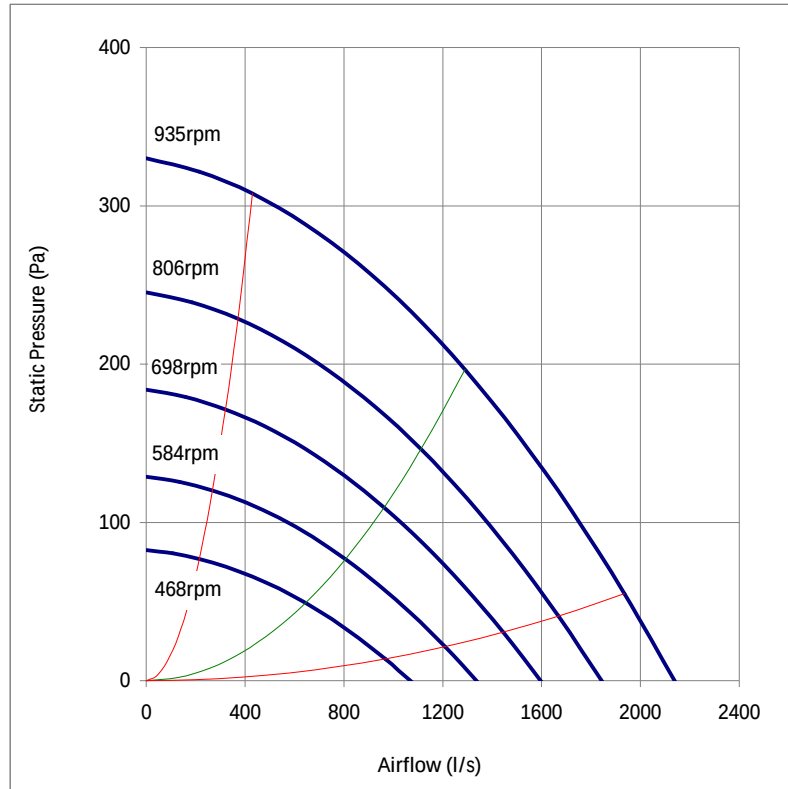
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

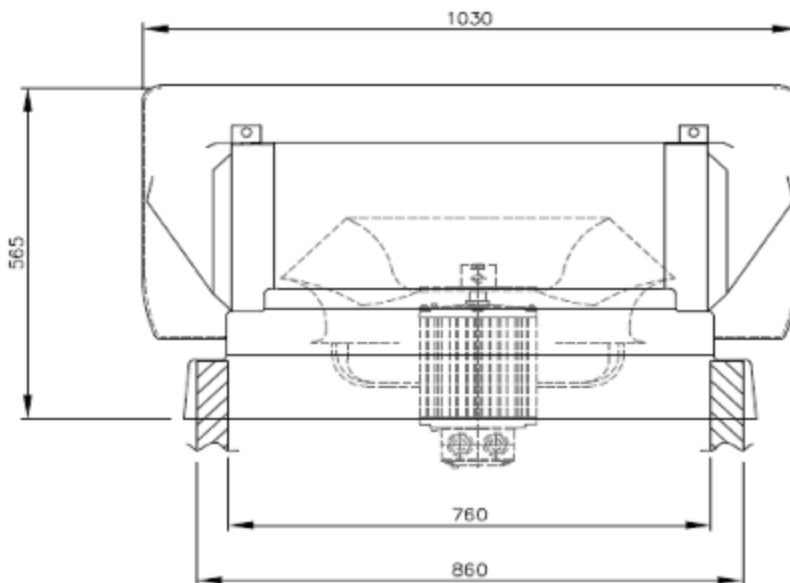
Type IE2
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 935 rpm
FLC 1.80 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 62 kg
Max. Temp 50 °C

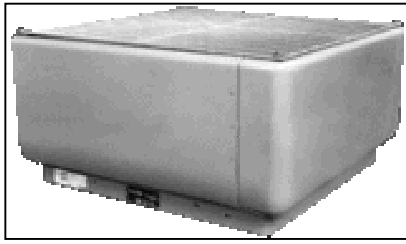


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
935	330	0.55	50	82	81	80	74	72	69	64	59	58
806	245	0.35	43	79	78	77	71	69	66	61	56	55
698	184	0.23	37	76	75	74	68	66	63	58	53	52
584	129	0.13	31	72	71	70	64	62	59	54	49	48
468	83	0.07	25	67	66	65	59	57	54	49	44	43



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-630/6/3



Impeller

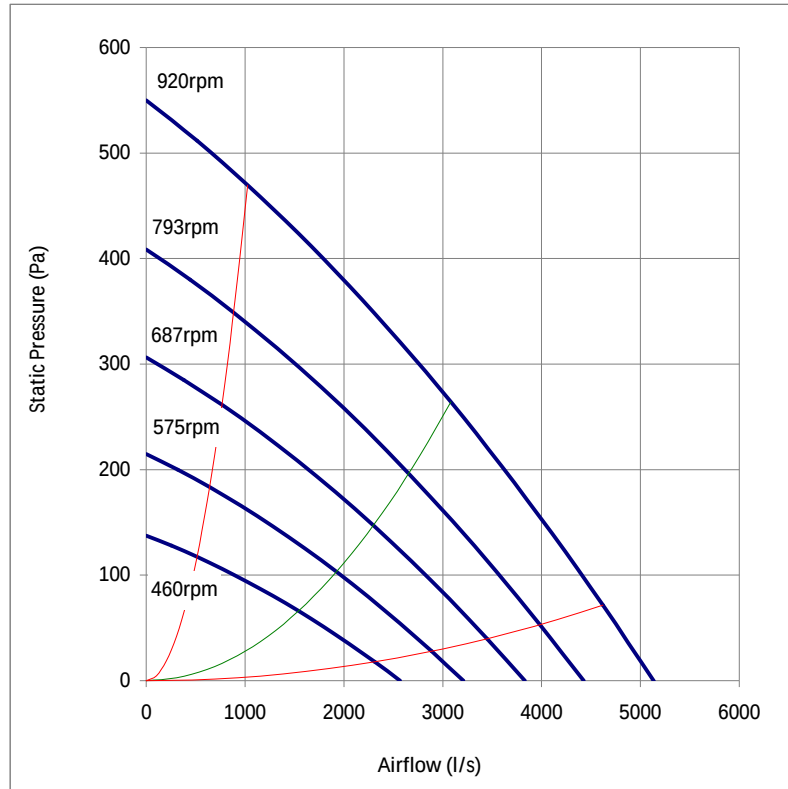
Size 630 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

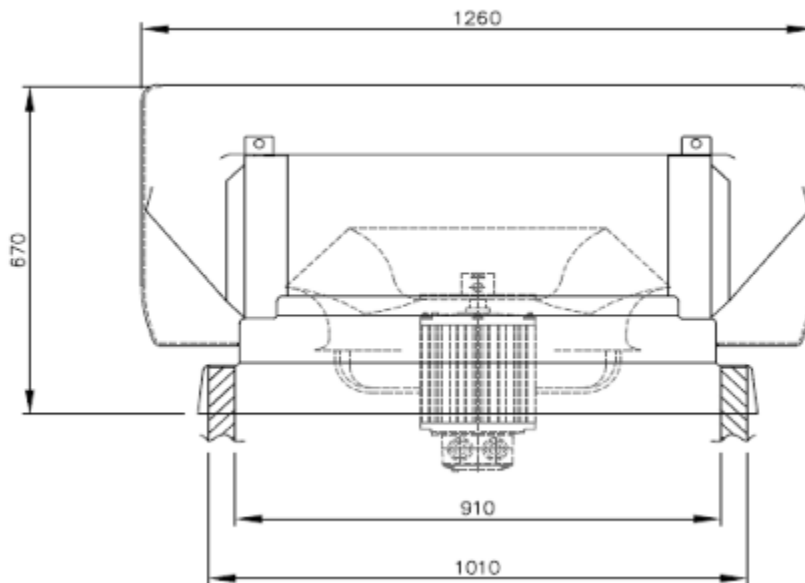
Type IE2
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 920 rpm
FLC 4.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 89 kg
Max. Temp 50 °C

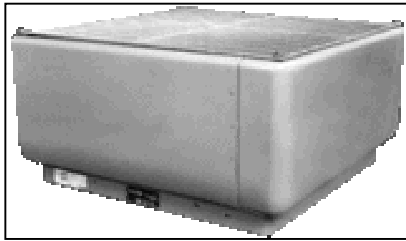


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
920	550	2.20	50	90	89	89	84	81	78	74	69	67
793	409	1.41	43	87	86	86	81	78	75	71	66	64
687	306	0.91	37	84	83	83	78	75	72	68	63	61
575	215	0.54	31	80	79	79	74	71	68	64	59	57
460	138	0.28	25	75	74	74	69	66	63	59	54	52



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-630/8/3



Impeller

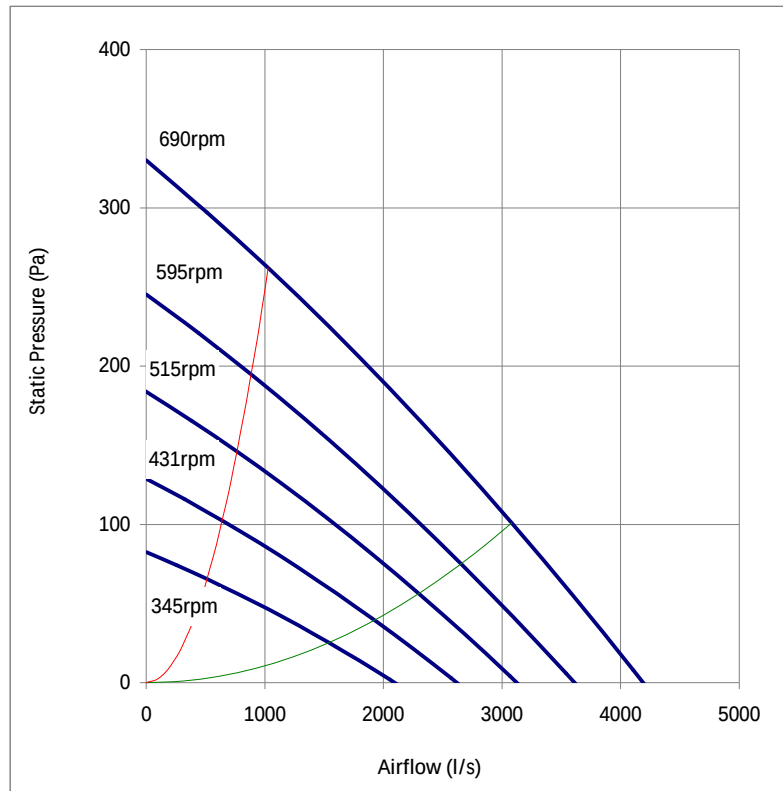
Size 630 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

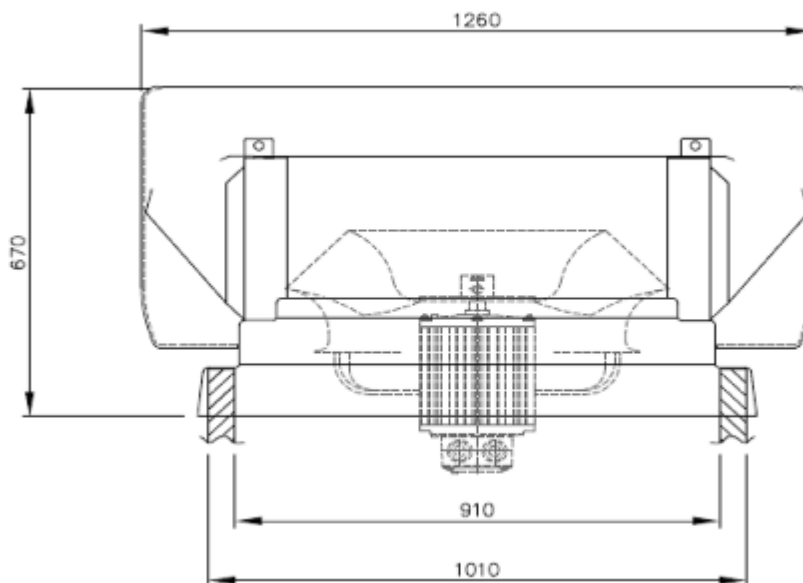
Type IE2
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 690 rpm
FLC 2.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 79 kg
Max. Temp 50 °C

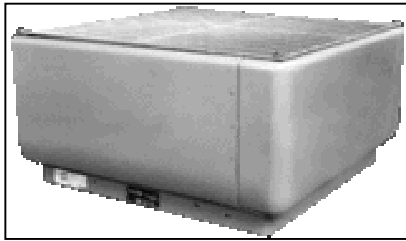


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
690	330	0.75	50	85	84	83	76	75	71	66	62	60
595	245	0.48	43	82	81	80	73	72	68	63	59	57
515	184	0.31	37	79	78	77	70	69	65	60	56	54
431	129	0.18	31	75	74	73	66	65	61	56	52	50
345	83	0.09	25	70	69	68	61	60	56	51	47	45



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-760/6/3



Impeller

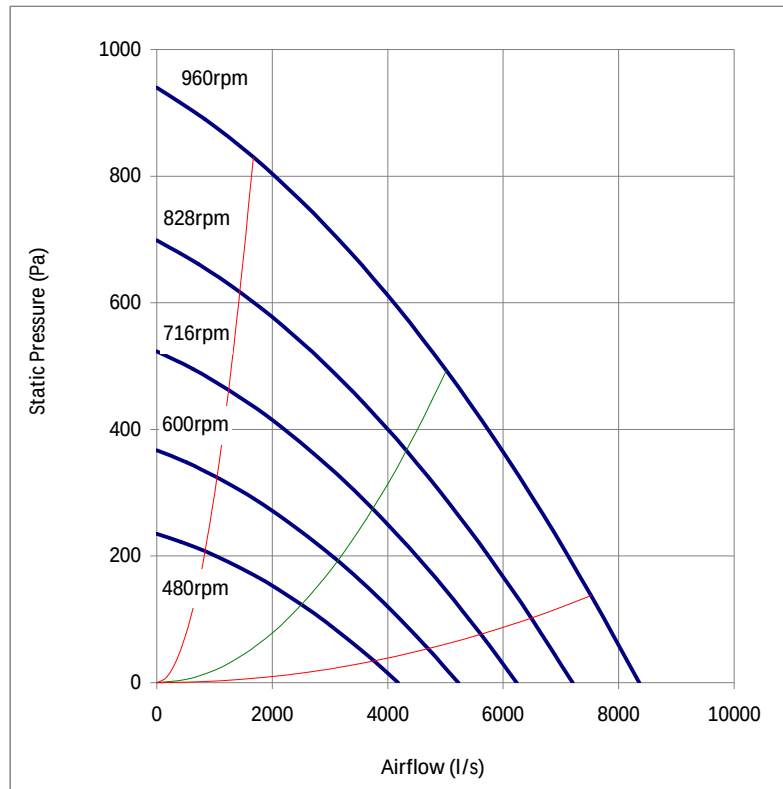
Size 760 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

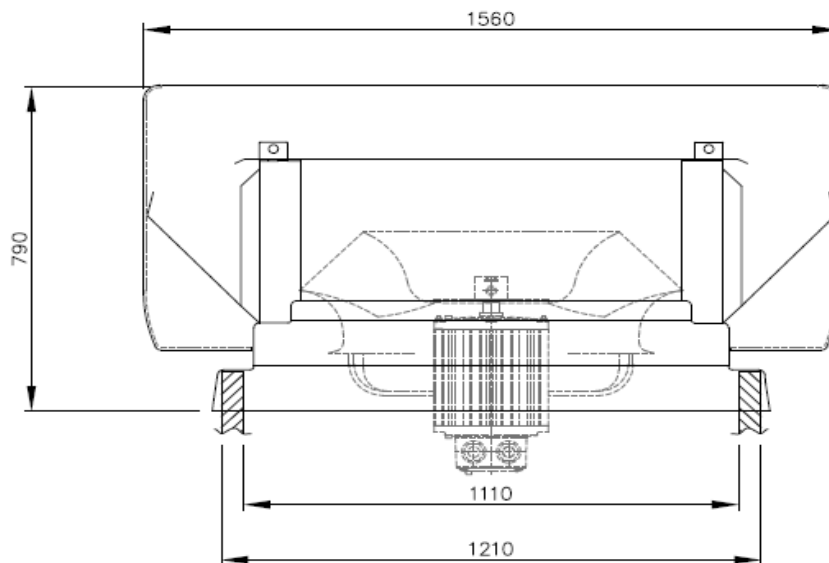
Type IE2
IP Rating 55
Insulation Class 155
Power 6.30 Kw
Power Supply 400V/3PH/50Hz
Speed 960 rpm
FLC 15.00 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 166 kg
Max. Temp 50 °C

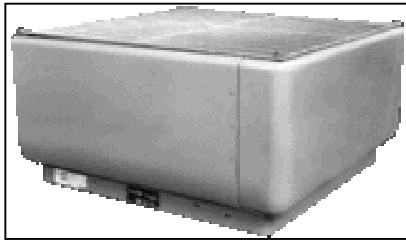


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
960	940	6.30	50	98	95	95	94	91	88	81	76	76
828	699	4.04	43	95	92	92	91	88	85	78	73	73
716	524	2.62	37	92	89	89	88	85	82	75	70	70
600	367	1.54	31	88	85	85	84	81	78	71	66	66
480	235	0.79	25	83	80	80	79	76	73	66	61	61



Roof Mixed Flow Extract Fan - Vertical Discharge

DVM-760/8/3



Impeller

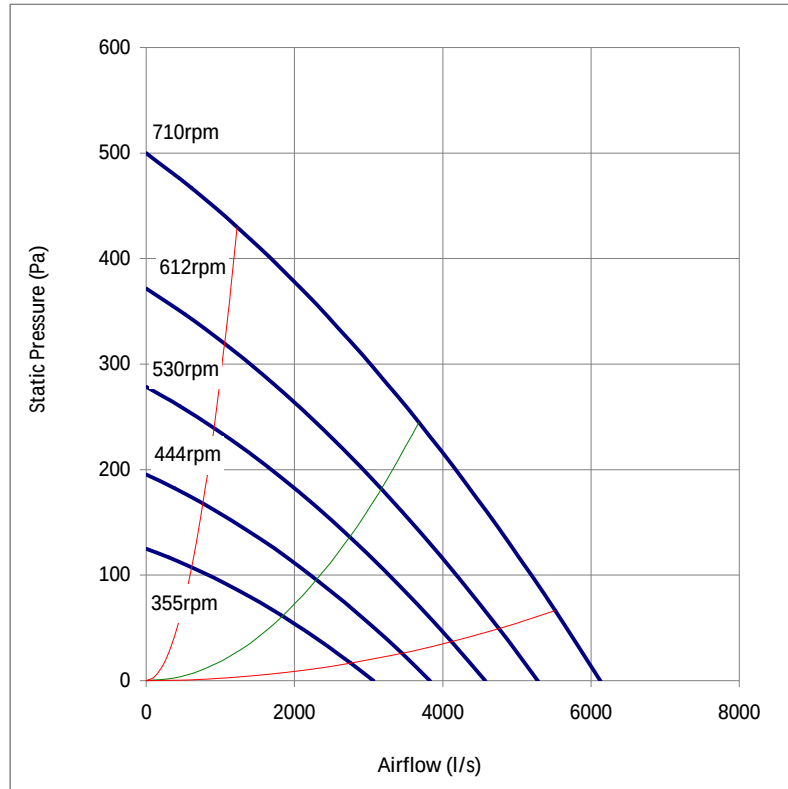
Size 760 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

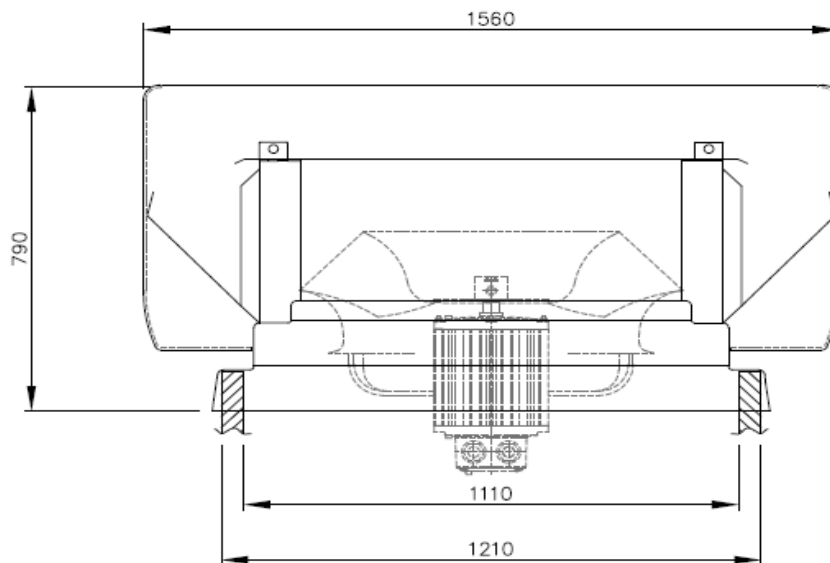
Type IE2
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 710 rpm
FLC 8.60 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass/Galvanised Steel
Weight 134 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
710	500	3.00	50	94	90	90	86	83	80	73	69	67
612	372	1.92	43	91	87	87	83	80	77	70	66	64
530	278	1.25	37	88	84	84	80	77	74	67	63	61
444	195	0.73	31	84	80	80	76	73	70	63	59	57
355	125	0.38	25	79	75	75	71	68	65	58	54	52





DSP

- Roof Mount Axial Extract Fan

SPECIFICATION

Sizes

315,350,400,630, 710, 800, 1000mm diameter

Fan Performance

The fan is of large volume flow design. The impeller is designed to give excellent performance characteristic with large airflow and low static pressure development

Impellers

Flaktwoods clima axial impeller with aerofoil profiled blades. The impellers are manufactured from Aluminium hub and black composite material blades and balanced according to ISO1940.

MOTORS

Manufactured to comply AS1359 high efficiency IE2. Motor enclosure to feature IP55 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Casing

Cowl and base of the fans are of UV stabilised fibreglass. Impeller/motor assembly to be supported by a galvanised steel. Bird mesh to be fit as standard.

Test Procedures

Performance Data – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745

Woods Clima Axial Impeller



Roof Axial Downflow Fan

DSPR-3041



Impeller

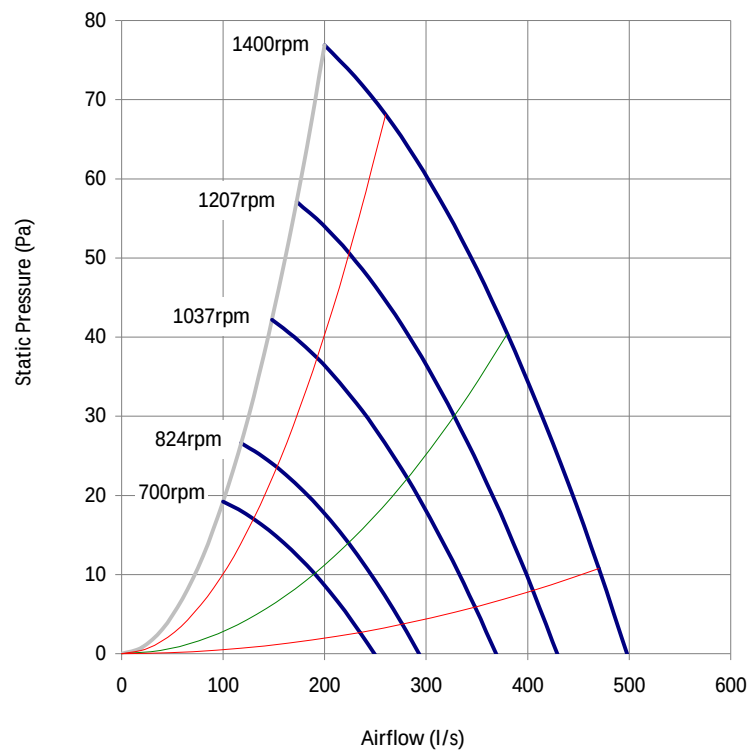
Size 300 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

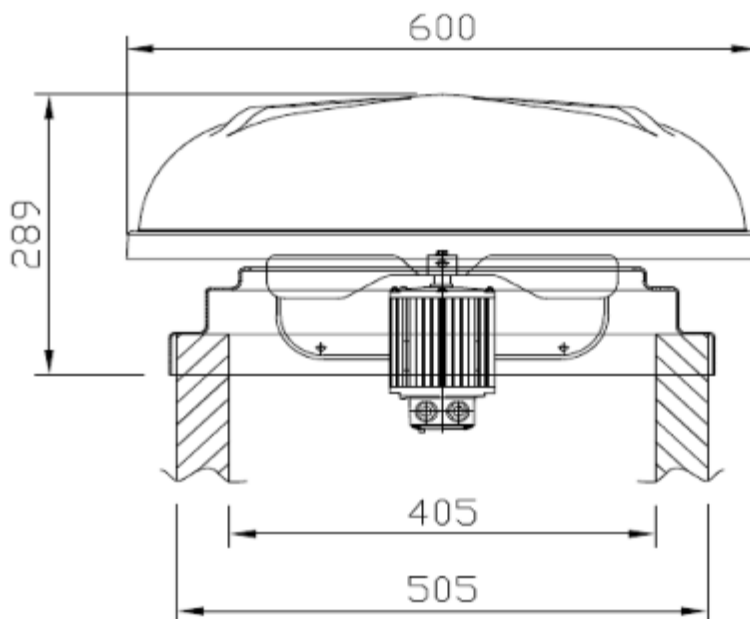
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1400 RPM
FLC 0.80 A
Capacitor 5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 25
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	77	0.10	230	61	65	59	59	55	51	45	40	41
1207	57	0.06	200	58	62	56	56	52	48	42	37	38
1037	42	0.04	170	54	58	52	52	48	44	38	33	34
824	27	0.02	130	49	53	47	47	43	39	33	28	29
700	19	0.01	110	46	50	44	44	40	36	30	25	26



Roof Axial Downflow Fan

DSPR-3541



Impeller

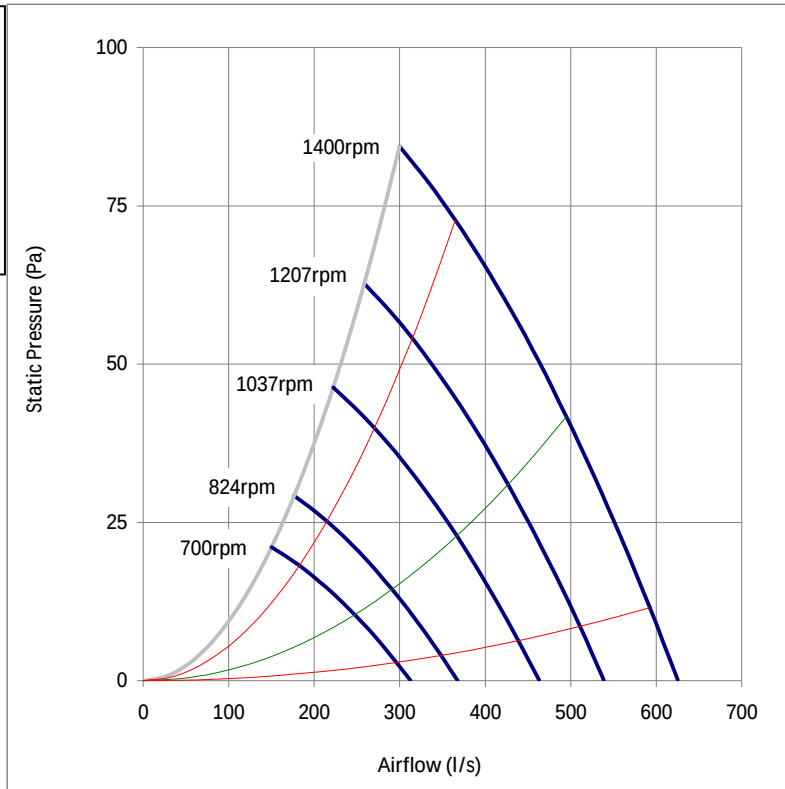
Size 350 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

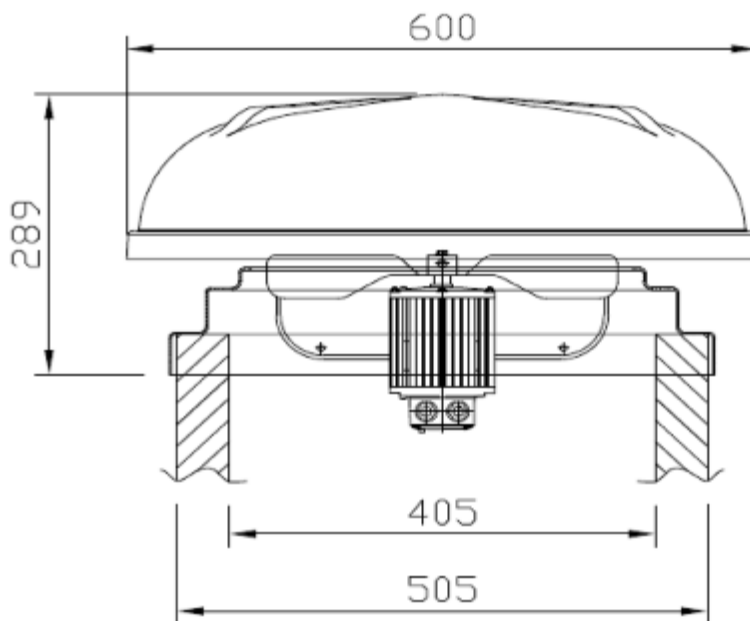
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1400 RPM
FLC 0.80 A
Capacitor 5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 29
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	84	0.10	230	63	65	65	65	57	55	49	43	45
1207	63	0.06	200	60	62	62	62	54	52	46	40	42
1037	46	0.04	170	56	58	58	58	50	48	42	36	38
824	29	0.02	130	51	53	53	53	45	43	37	31	33
700	21	0.01	110	48	50	50	50	42	40	34	28	30



Roof Axial Downflow Fan

DSPR-4541



Impeller

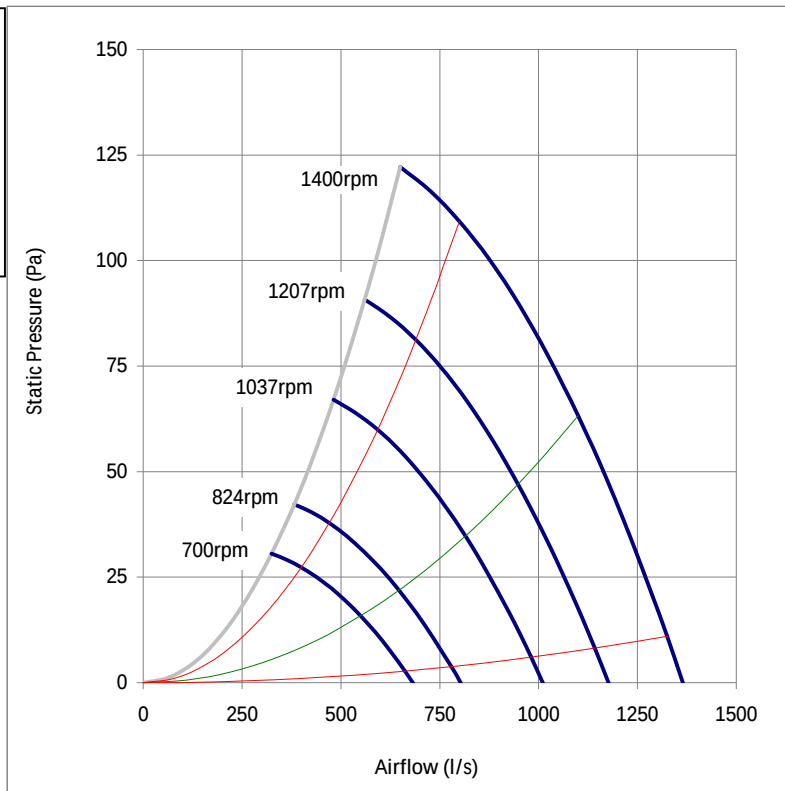
Size 450 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

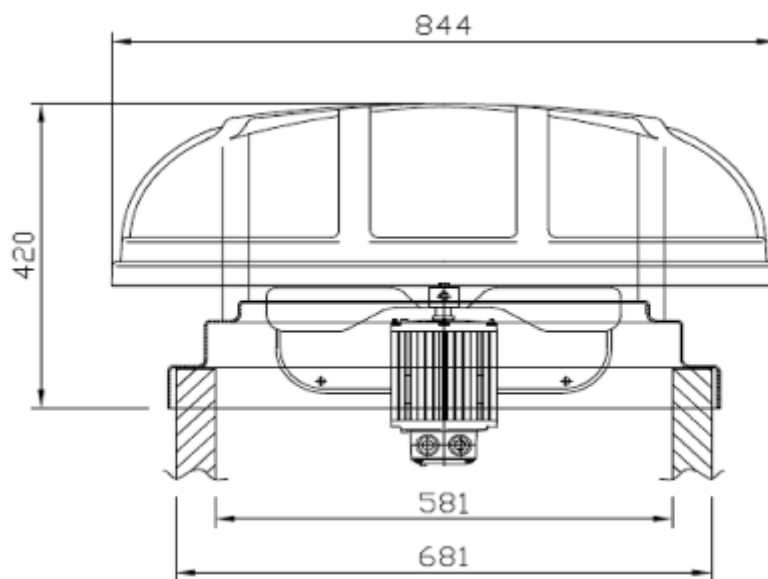
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 0.31 Kw
Power Supply 230V/1PH/50Hz
Speed 1400 RPM
FLC 2.20 A
Capacitor -
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 25
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	122	0.31	230	73	70	68	68	67	67	60	56	55
1207	91	0.20	200	70	67	65	65	64	64	57	53	52
1037	67	0.13	170	66	63	61	61	60	60	53	49	48
824	42	0.06	130	61	58	56	56	55	55	48	44	43
700	31	0.04	110	58	55	53	53	52	52	45	41	40



Roof Axial Downflow Fan

DSP-5041



Impeller

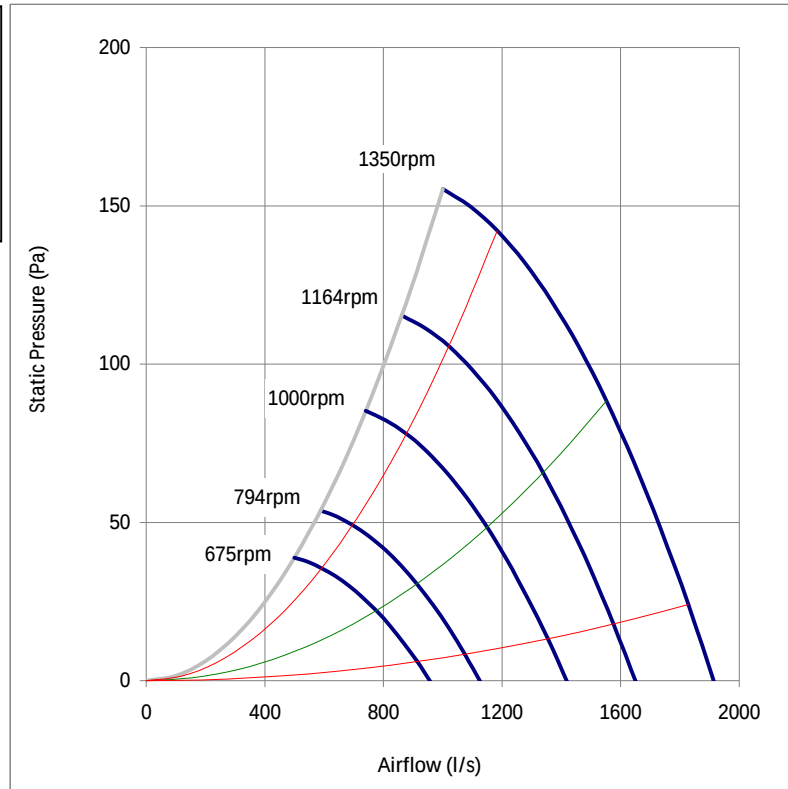
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

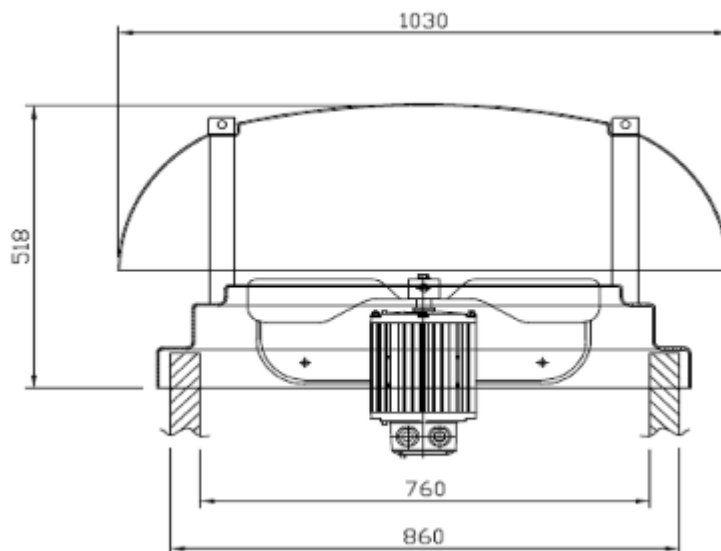
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.52 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 2.80 A
Capacitor 15 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	155	0.52	230	79	81	81	79	77	76	73	67	62
1164	115	0.33	200	76	78	78	76	74	73	70	64	59
1000	85	0.21	170	72	74	74	72	70	69	66	60	55
794	54	0.11	130	67	69	69	67	65	64	61	55	50
675	39	0.07	110	64	66	66	64	62	61	58	52	47



Roof Axial Downflow Fan

DSP5061



Impeller

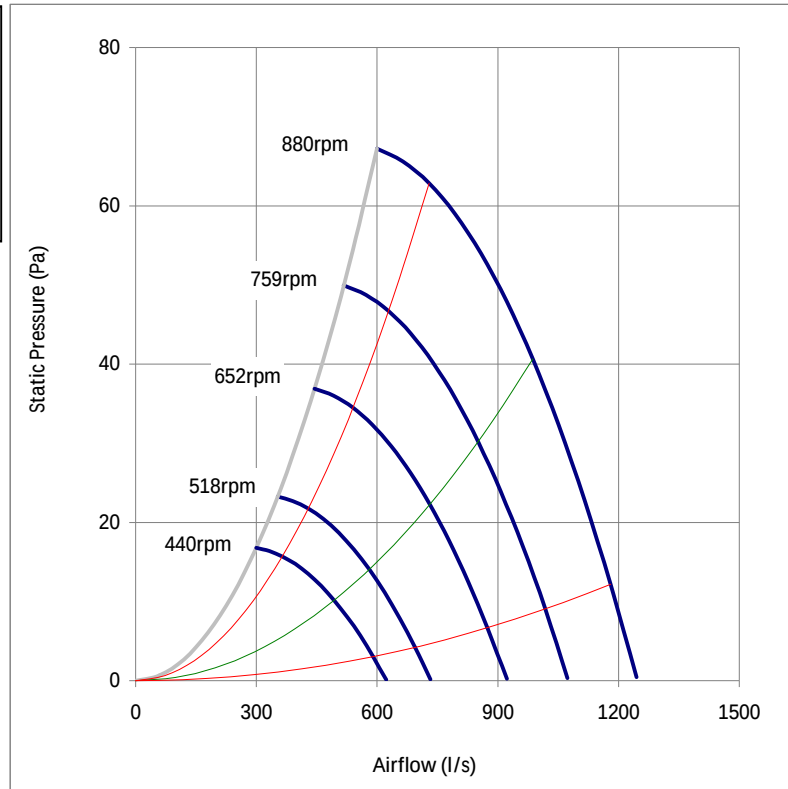
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

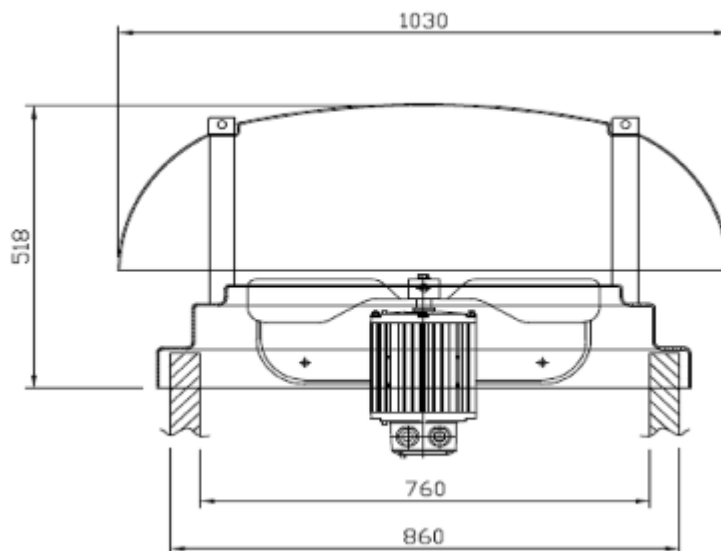
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 230V/1PH/50Hz
Speed 880 RPM
FLC 1.80 A
Capacitor 8 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	67	0.22	230	69	71	71	69	67	66	63	57	52
759	50	0.14	200	66	68	68	66	64	63	60	54	49
652	37	0.09	170	62	64	64	62	60	59	56	50	45
518	23	0.04	130	57	59	59	57	55	54	51	45	40
440	17	0.03	110	54	56	56	54	52	51	48	42	37



Roof Axial Downflow Fan

DSPR-4561



Impeller

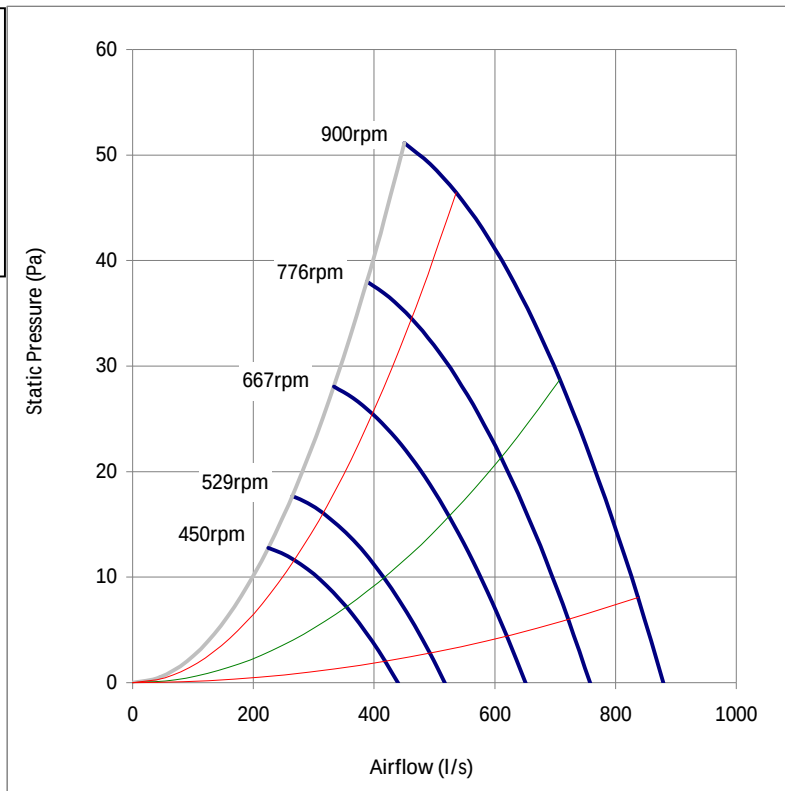
Size 450 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

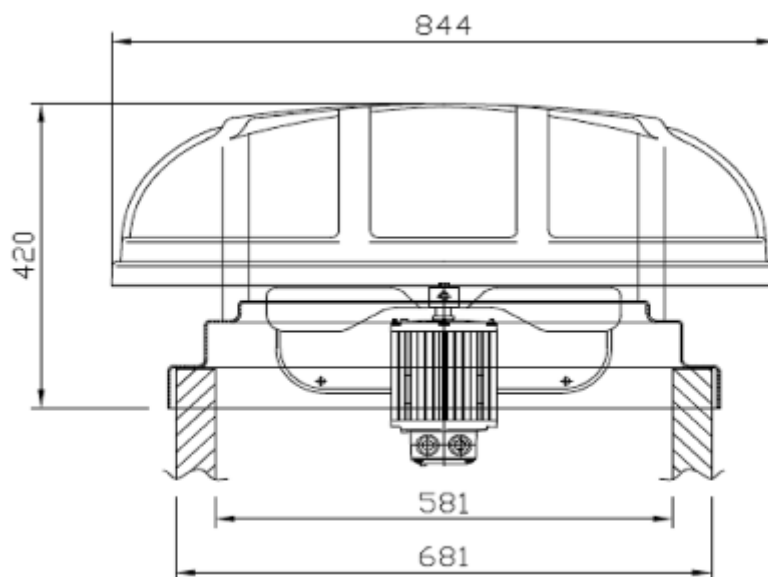
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 1.00 A
Capacitor -
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 25
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	51	0.08	230	63	61	59	59	58	58	51	47	46
776	38	0.05	200	60	58	56	56	55	55	48	44	43
667	28	0.03	170	56	54	52	52	51	51	44	40	39
529	18	0.02	130	51	49	47	47	46	46	39	35	34
450	13	0.01	110	48	46	44	44	43	43	36	32	31



Roof Axial Downflow Fan

DSP-6343



Impeller

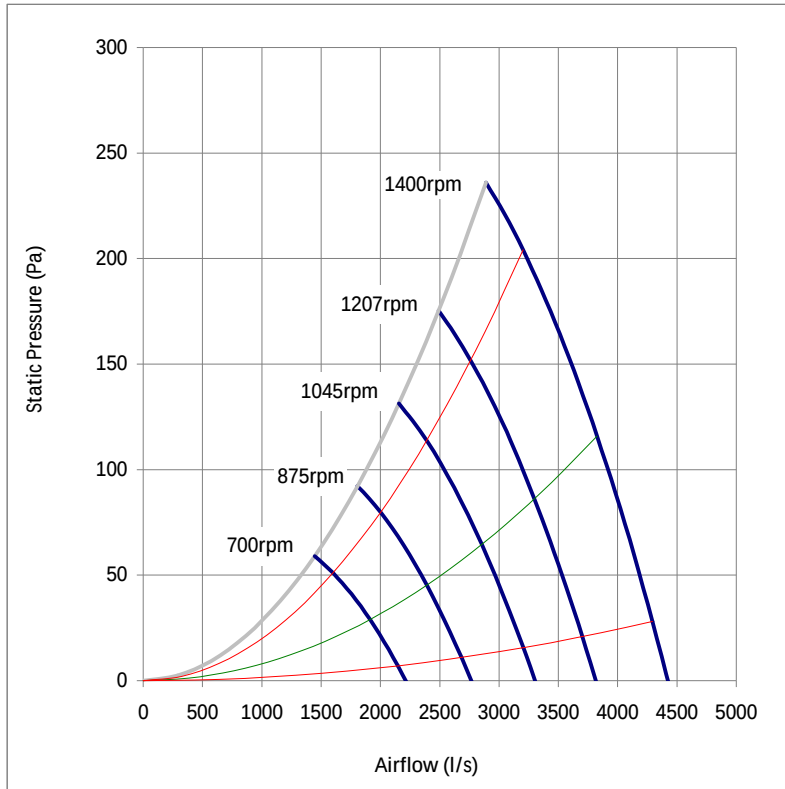
Size 630 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

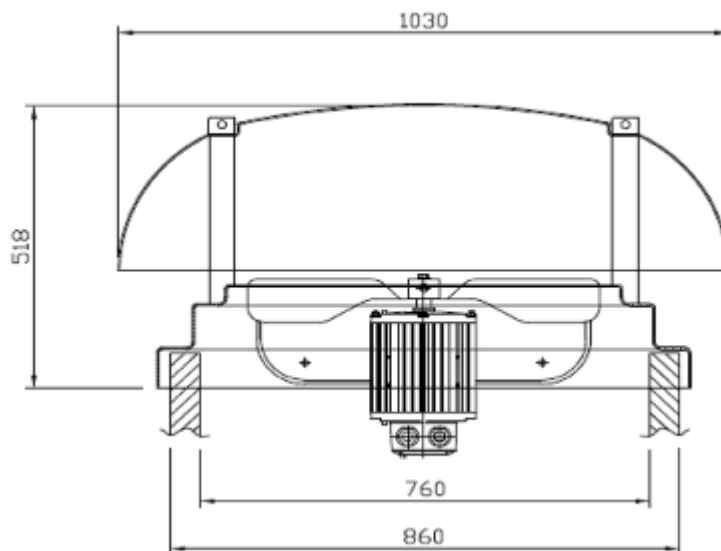
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.55 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 RPM
FLC 3.50 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 46 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	236	1.55	50	83	85	82	78	75	72	68	63	63
1207	175	0.99	43	80	82	79	75	72	69	65	60	60
1045	131	0.64	37	77	79	76	72	69	66	62	57	57
875	92	0.38	31	73	75	72	68	65	62	58	53	53
700	59	0.19	25	68	70	67	63	60	57	53	48	48



Roof Axial Downflow Fan

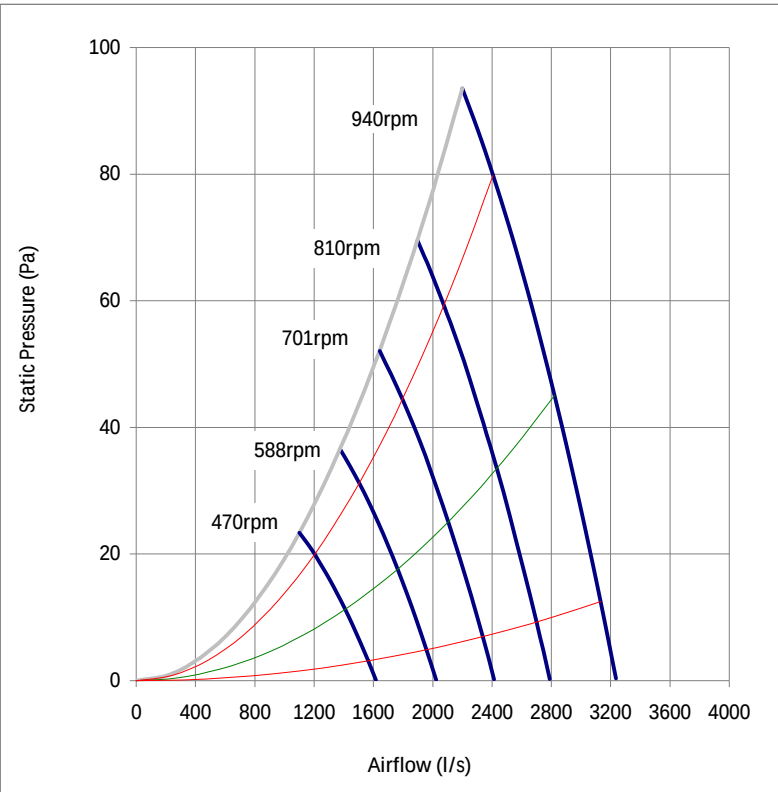
DSP-6363



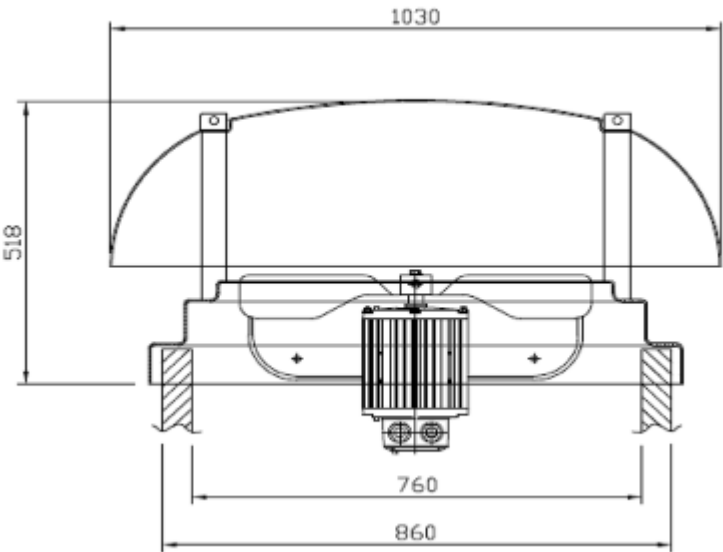
Impeller
Size 630 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan
Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	94	0.75	50	72	74	72	67	64	60	57	53	52
810	69	0.48	43	69	71	69	64	61	57	54	50	49
701	52	0.31	37	66	68	66	61	58	54	51	47	46
588	37	0.18	31	62	64	62	57	54	50	47	43	42
470	23	0.09	25	57	59	57	52	49	45	42	38	37



Roof Axial Downflow Fan

DSP-7163



Impeller

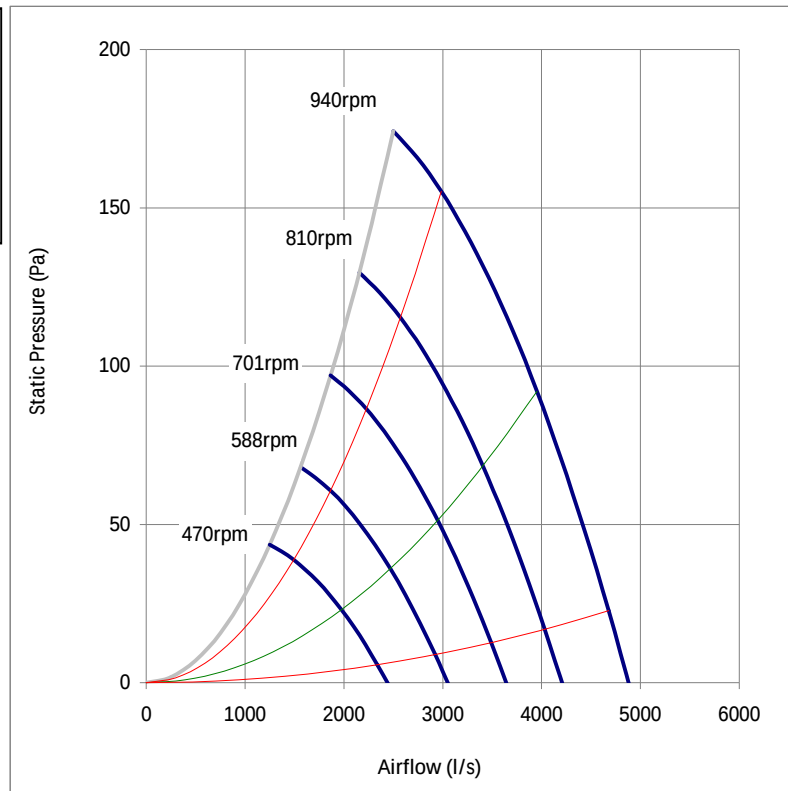
Size 710 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

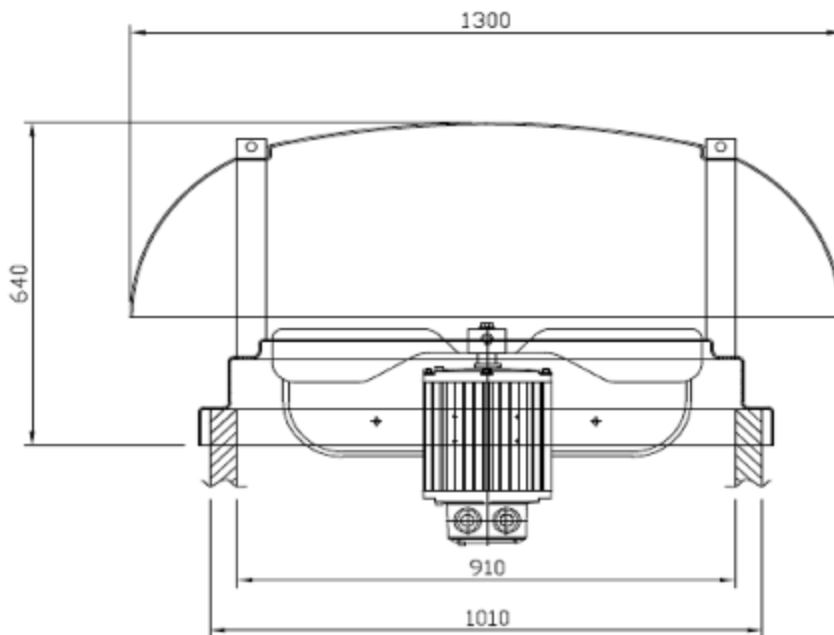
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 3.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 52 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	174	1.10	50	75	77	76	72	70	67	62	59	56
810	129	0.70	43	72	74	73	69	67	64	59	56	53
701	97	0.46	37	69	71	70	66	64	61	56	53	50
588	68	0.27	31	65	67	66	62	60	57	52	49	46
470	44	0.14	25	60	62	61	57	55	52	47	44	41



Roof Axial Downflow Fan

DSP-8063



Impeller

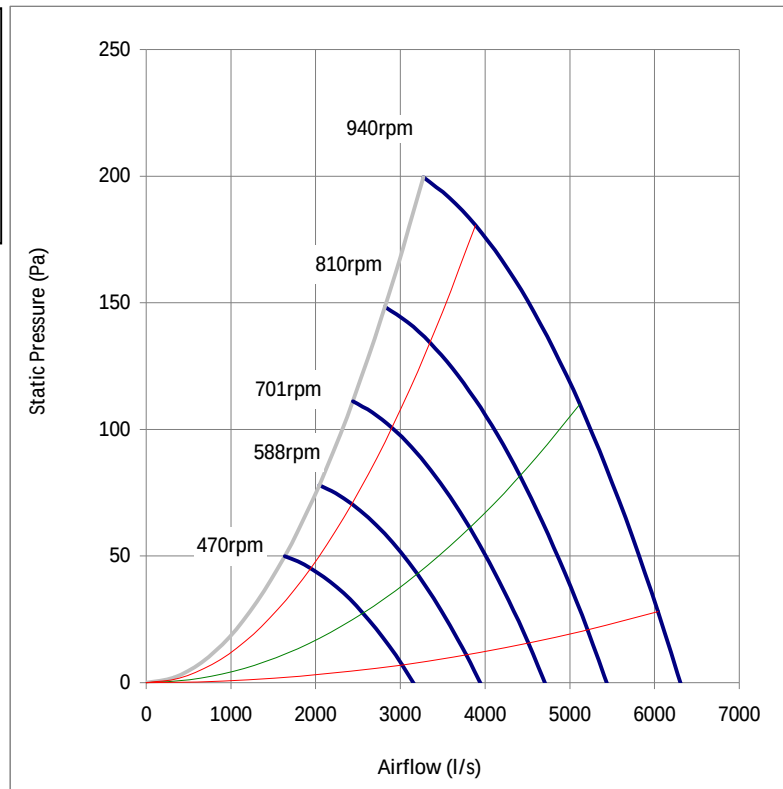
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

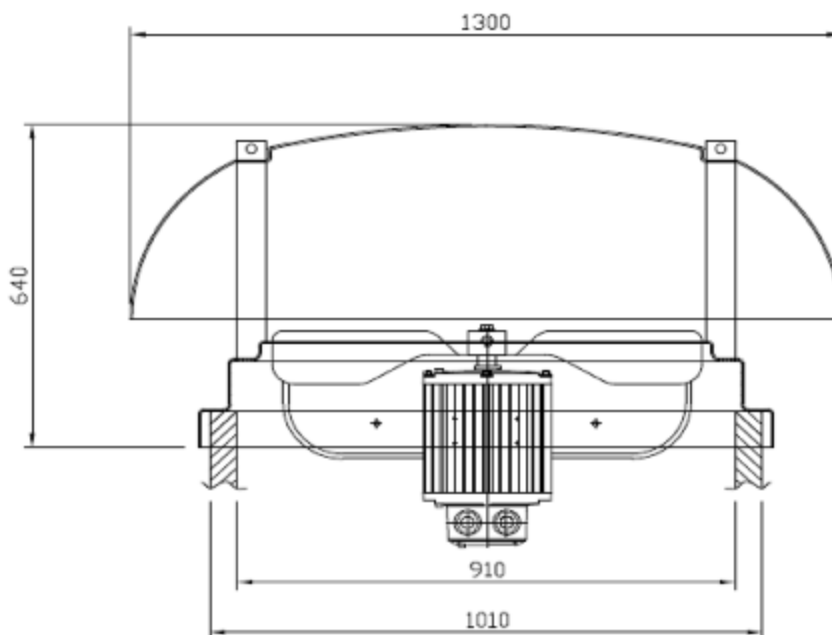
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 4.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 60 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	200	1.50	50	76	78	80	78	74	71	67	62	58
810	148	0.96	43	73	75	77	75	71	68	64	59	55
701	111	0.62	37	70	72	74	72	68	65	61	56	52
588	78	0.37	31	66	68	70	68	64	61	57	52	48
470	50	0.19	25	61	63	65	63	59	56	52	47	43



Roof Axial Downflow Fan

DSP-8083



Impeller

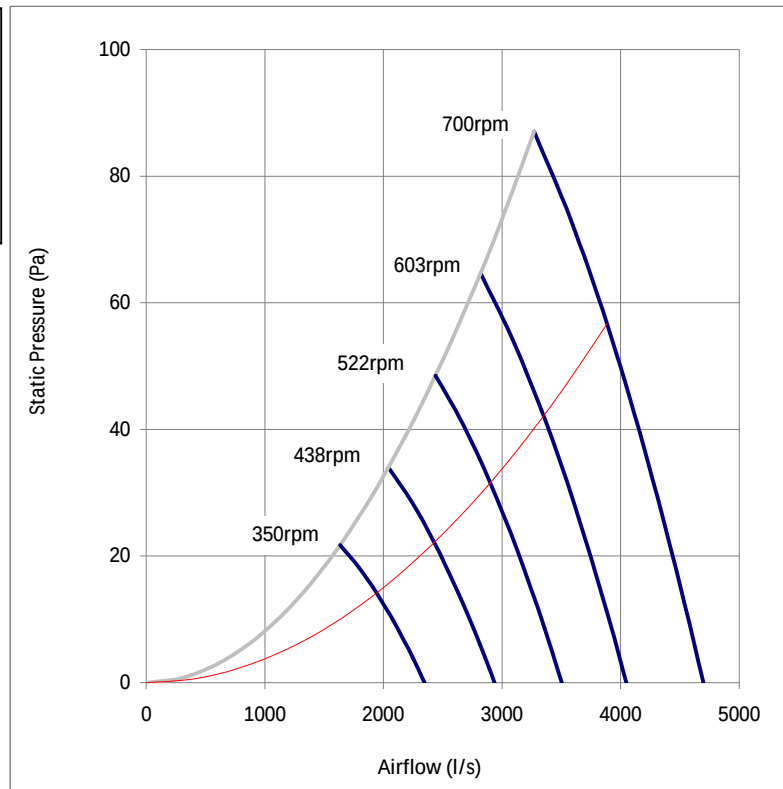
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

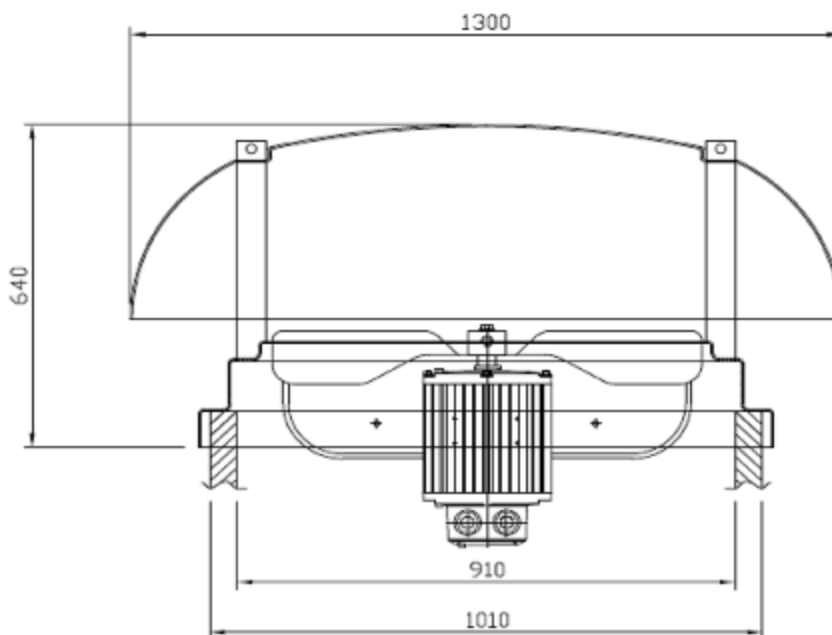
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 700 RPM
FLC 1.90 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 60 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
700	87	0.75	50	70	72	74	72	68	65	61	56	52
603	65	0.48	43	67	69	71	69	65	62	58	53	49
522	48	0.31	37	64	66	68	66	62	59	55	50	46
438	34	0.18	31	60	62	64	62	58	55	51	46	42
350	22	0.09	25	55	57	59	57	53	50	46	41	37



Roof Axial Downflow Fan

DSP-10063



Impeller

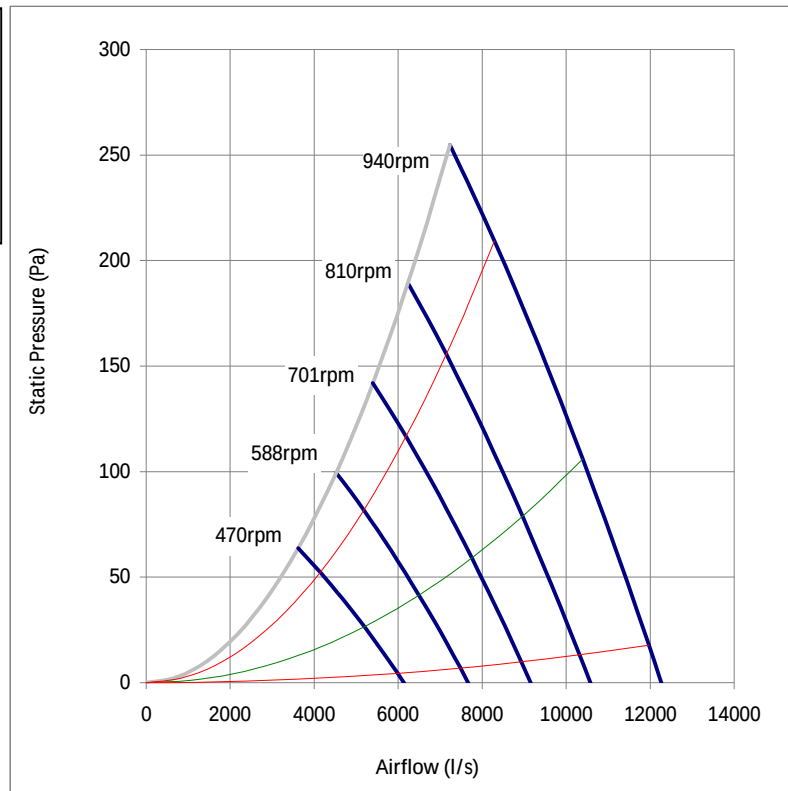
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

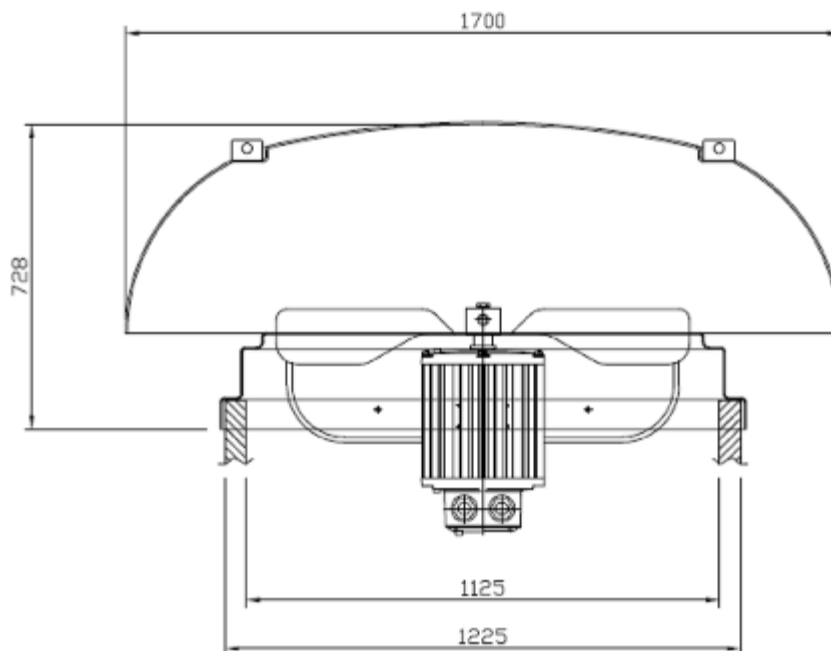
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 4.00 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 9.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 94 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	255	4.00	50	88	88	86	85	85	82	78	74	68
810	189	2.56	43	85	85	83	82	82	79	75	71	65
701	142	1.66	37	82	82	80	79	79	76	72	68	62
588	100	0.98	31	78	78	76	75	75	72	68	64	58
470	64	0.50	25	73	73	71	70	70	67	63	59	53



Roof Axial Downflow Fan

DSP-10063



Impeller

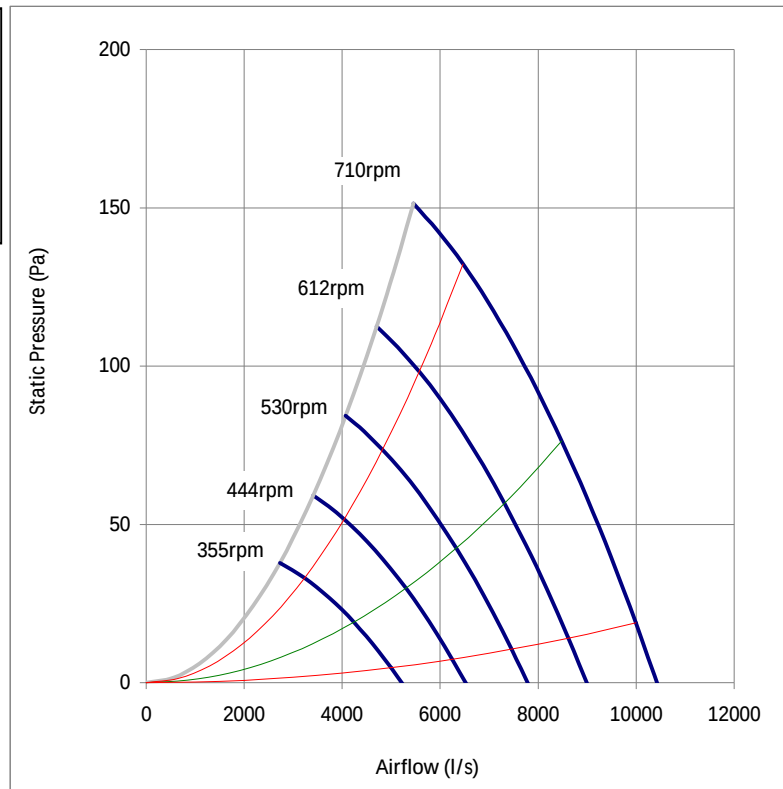
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

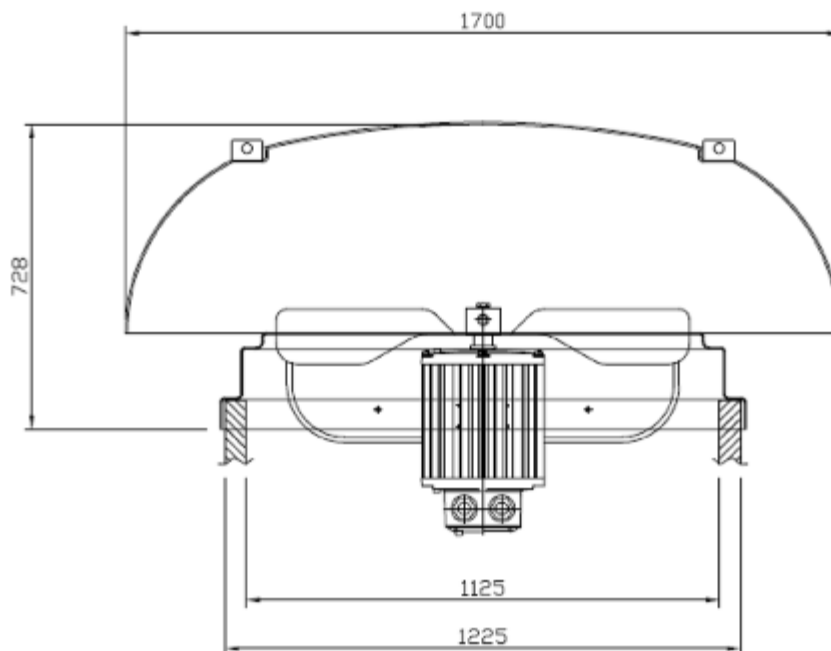
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 710 RPM
FLC 5.90 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 94 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
710	151	2.20	50	83	83	81	80	80	76	72	67	63
612	113	1.41	43	80	80	78	77	77	73	69	64	60
530	84	0.91	37	77	77	75	74	74	70	66	61	57
444	59	0.54	31	73	73	71	70	70	66	62	57	53
355	38	0.28	25	68	68	66	65	65	61	57	52	48



DVPG

- Roof Mount Axial Extract Fan
Vertical discharge

SPECIFICATION

Sizes

630, 710, 800, 1000mm diameter

Fan Performance

The fan is of large volume flow design. The impeller is designed to give excellent performance characteristic with large airflow and low static pressure development

Impellers

Flaktwoods clima axial impeller with aerofoil profiled blades. The impellers are manufactured from Aluminium hub and black composite material blades and balanced according to ISO1940.

MOTORS

Manufactured to comply AS1359 high efficiency IE2. Motor enclosure to feature IP55 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Casing

Wind band and base of the fans are of galvanised. Impeller/motor assembly to be supported by a galvanised steel. Bird mesh to be fit as standard.



Woods Clima Axial Impeller

Roof Axial Vertical Discharge Fan

DVPG-5041



Impeller

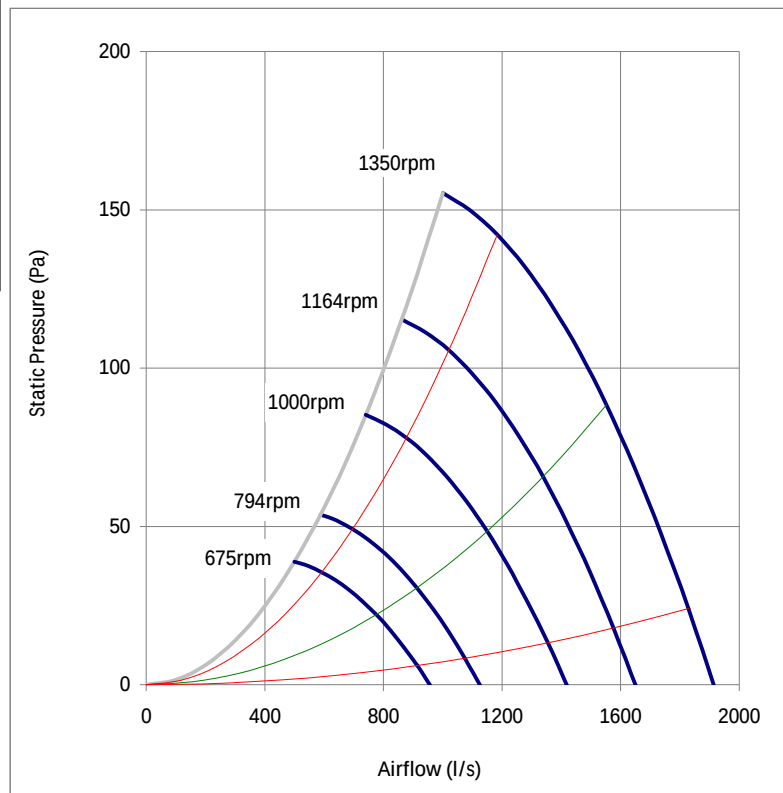
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

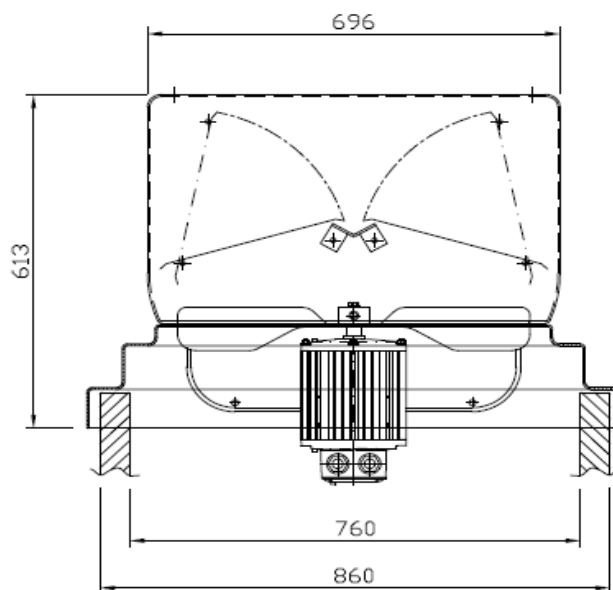
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.52 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 2.80 A
Capacitor 15 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 66 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	155	0.52	230	79	81	81	79	77	76	73	67	62
1164	115	0.33	200	76	78	78	76	74	73	70	64	59
1000	85	0.21	170	72	74	74	72	70	69	66	60	55
794	54	0.11	130	67	69	69	67	65	64	61	55	50
675	39	0.07	110	64	66	66	64	62	61	58	52	47



Roof Axial Vertical Discharge Fan

DVPG-5043



Impeller

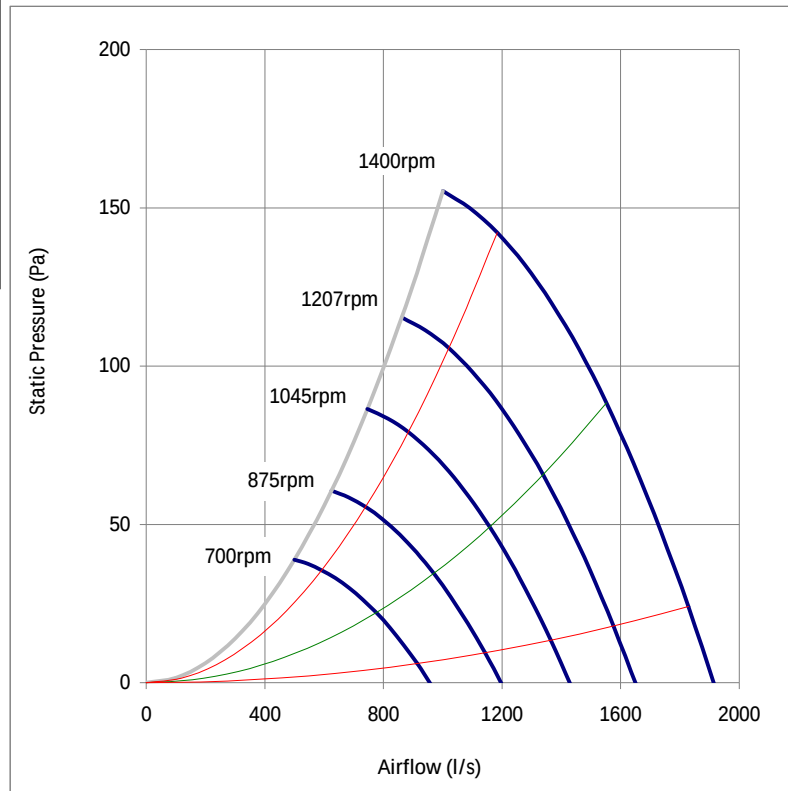
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

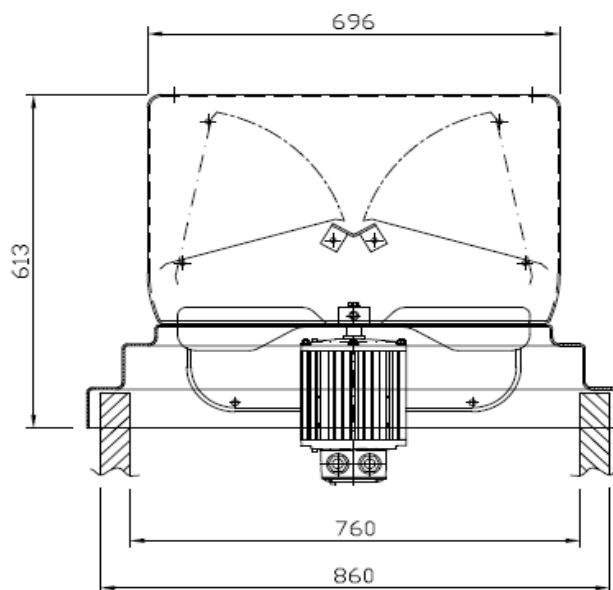
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 RPM
FLC 1.50 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Cowl Galvanised Metal
Weight 66 Kg
Max. Temp 50 °C

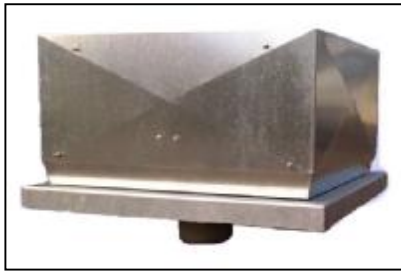


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	155	0.55	50	79	81	81	79	77	76	73	67	62
1207	115	0.35	43	76	78	78	76	74	73	70	64	59
1045	86	0.23	37	73	75	75	73	71	70	67	61	56
875	61	0.13	31	69	71	71	69	67	66	63	57	52
700	39	0.07	25	64	66	66	64	62	61	58	52	47



Roof Axial Vertical Discharge Fan

DVPG-6343



Impeller

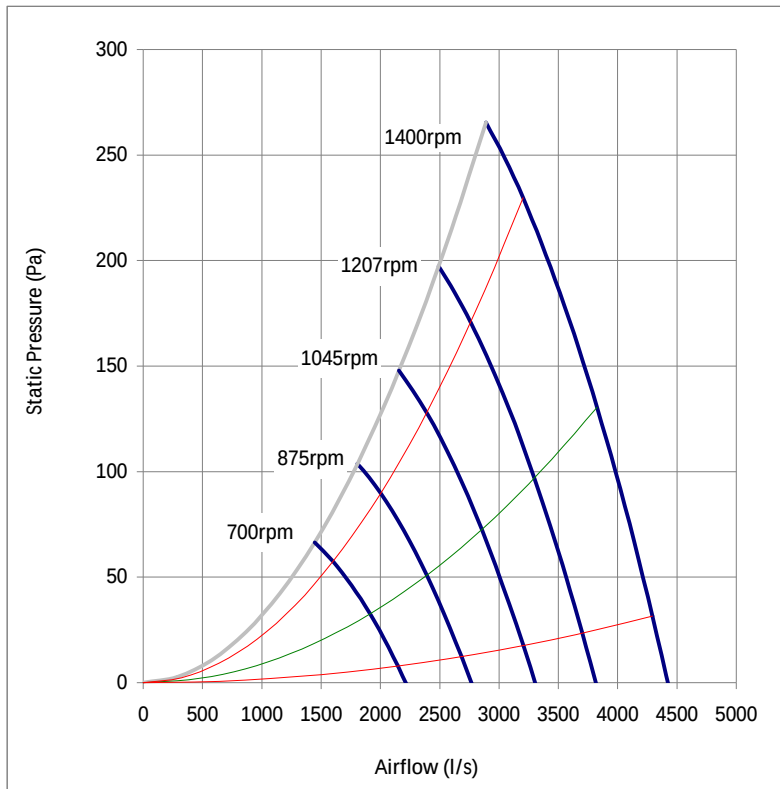
Size 630 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

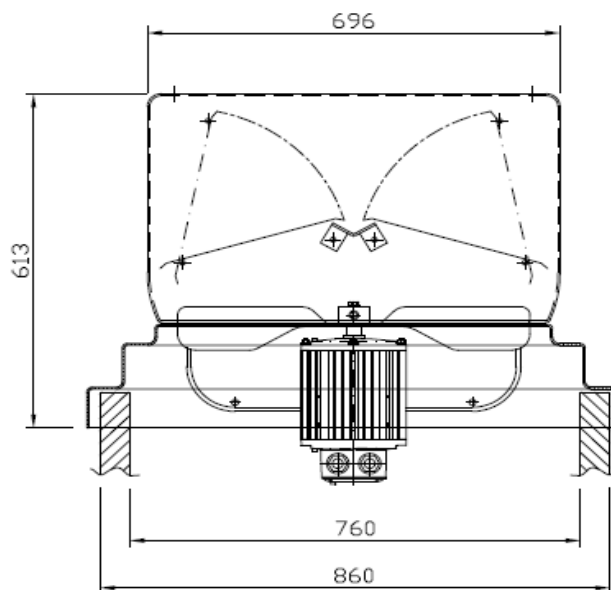
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.55 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 RPM
FLC 3.50 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 70 Kg
Max. Temp 50 °C

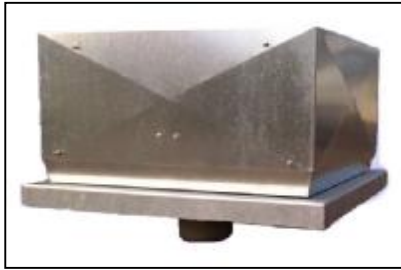


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	265	1.55	50	83	85	82	78	75	72	68	63	63
1207	197	0.99	43	80	82	79	75	72	69	65	60	60
1045	148	0.64	37	77	79	76	72	69	66	62	57	57
875	104	0.38	31	73	75	72	68	65	62	58	53	53
700	66	0.19	25	68	70	67	63	60	57	53	48	48



Roof Axial Vertical Discharge Fan

DVPG-6363



Impeller

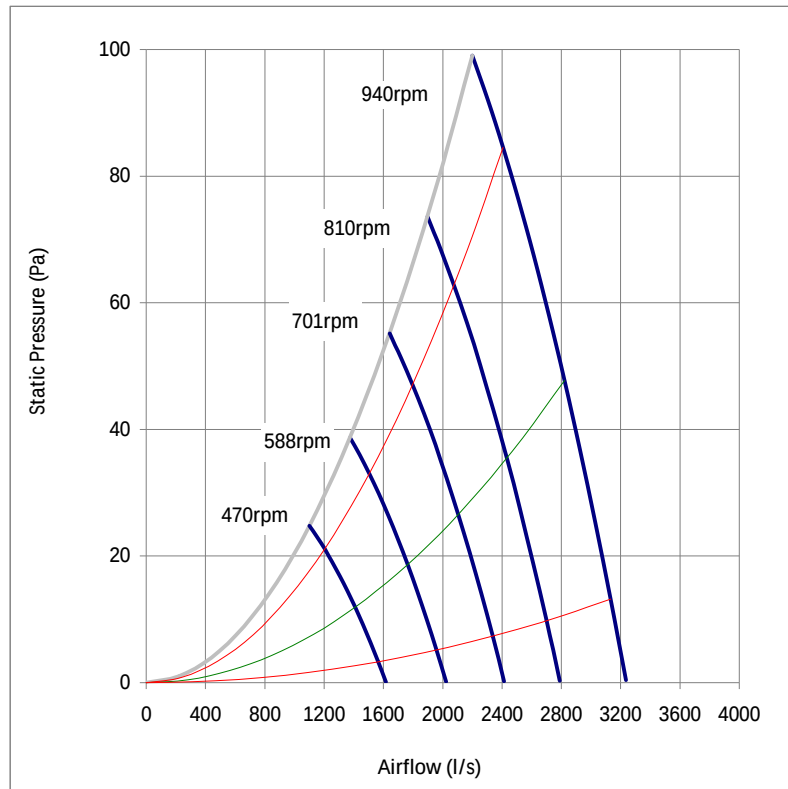
Size 630 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

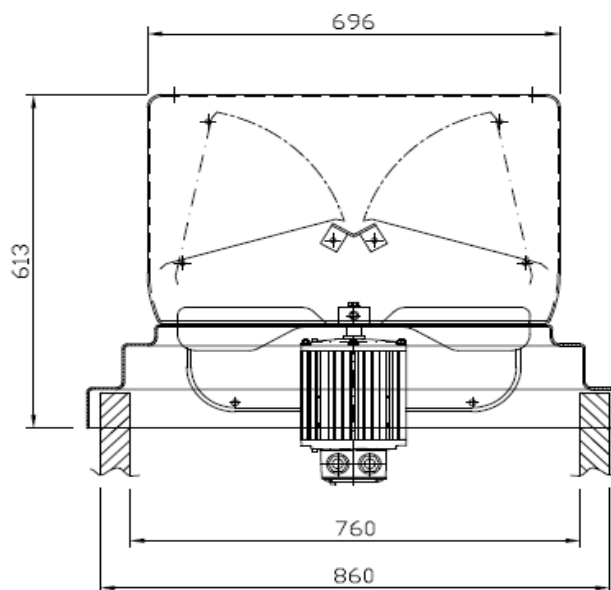
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 66 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	99	0.75	50	72	74	72	67	64	60	57	53	52
810	74	0.48	43	69	71	69	64	61	57	54	50	49
701	55	0.31	37	66	68	66	61	58	54	51	47	46
588	39	0.18	31	62	64	62	57	54	50	47	43	42
470	25	0.09	25	57	59	57	52	49	45	42	38	37



Roof Axial Vertical Discharge Fan

DVPG-7143



Impeller

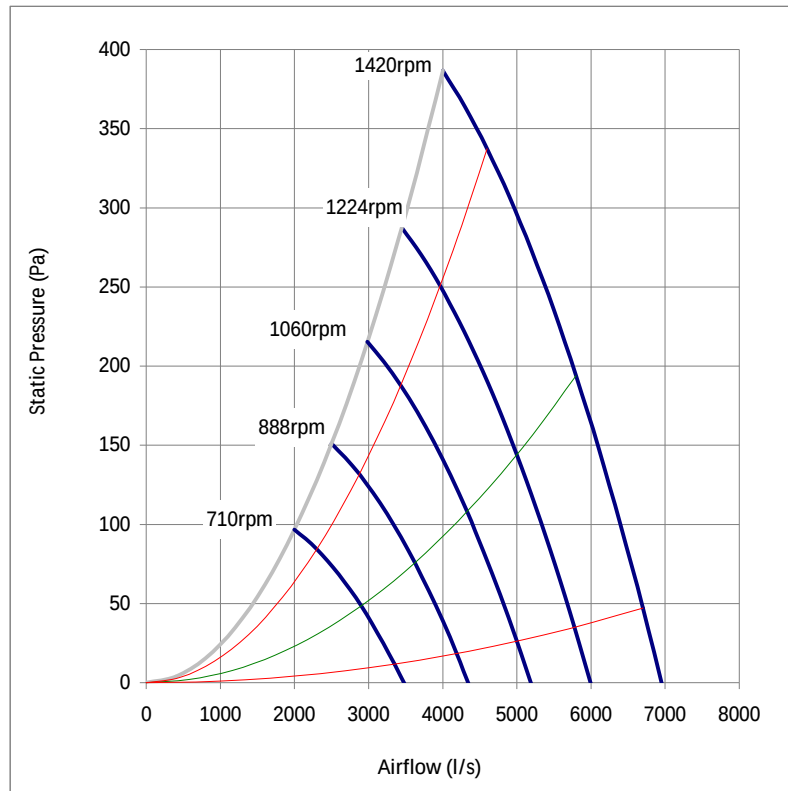
Size 710 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

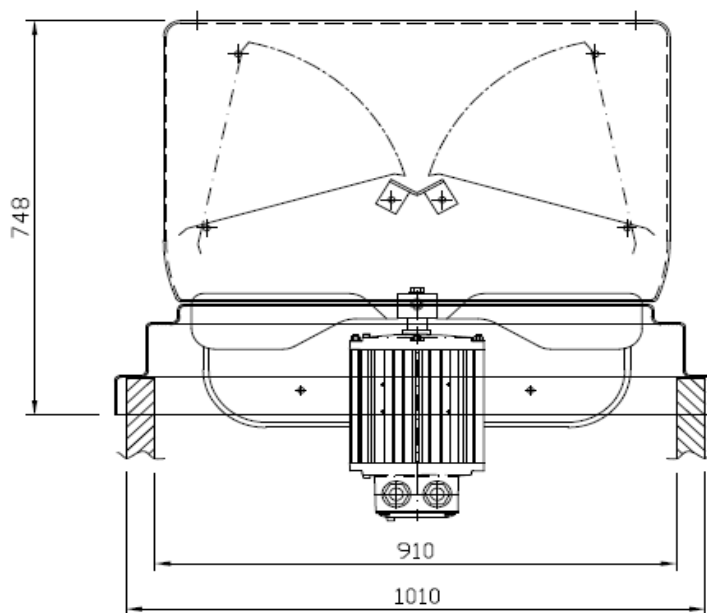
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 1420 RPM
FLC 6.40 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised metal
Weight 88 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1420	387	3.00	50	81	85	84	83	79	79	75	71	65
1224	287	1.92	43	78	82	81	80	76	76	72	68	62
1060	215	1.25	37	75	79	78	77	73	73	69	65	59
888	151	0.73	31	71	75	74	73	69	69	65	61	55
710	97	0.38	25	66	70	69	68	64	64	60	56	50



Roof Axial Downflow Fan

DVPG-7163



Impeller

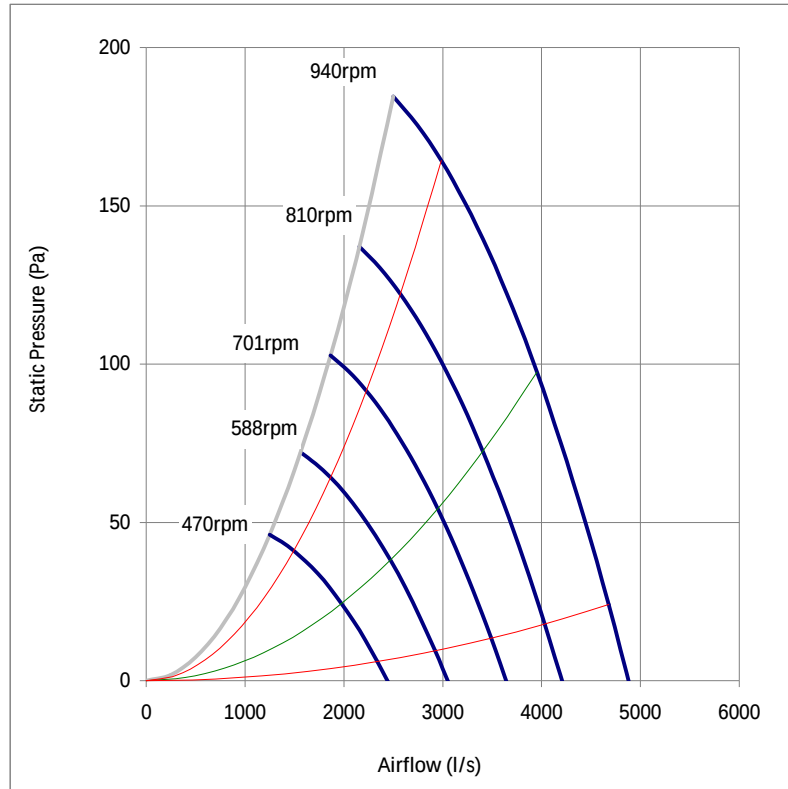
Size 710 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

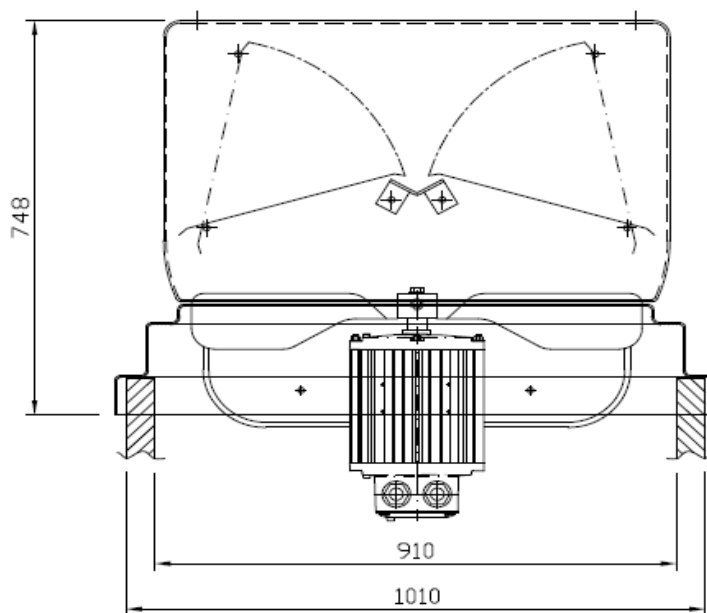
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 3.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 80 Kg
Max. Temp 50 °C

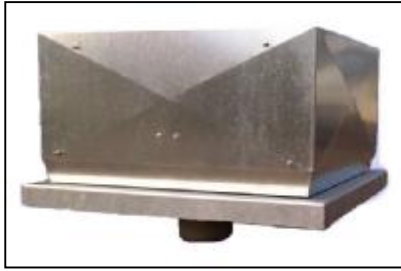


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	185	1.10	50	75	77	76	72	70	67	62	59	56
810	137	0.70	43	72	74	73	69	67	64	59	56	53
701	103	0.46	37	69	71	70	66	64	61	56	53	50
588	72	0.27	31	65	67	66	62	60	57	52	49	46
470	46	0.14	25	60	62	61	57	55	52	47	44	41



Roof Axial Vertical Discharge Fan

DVPG-8043



Impeller

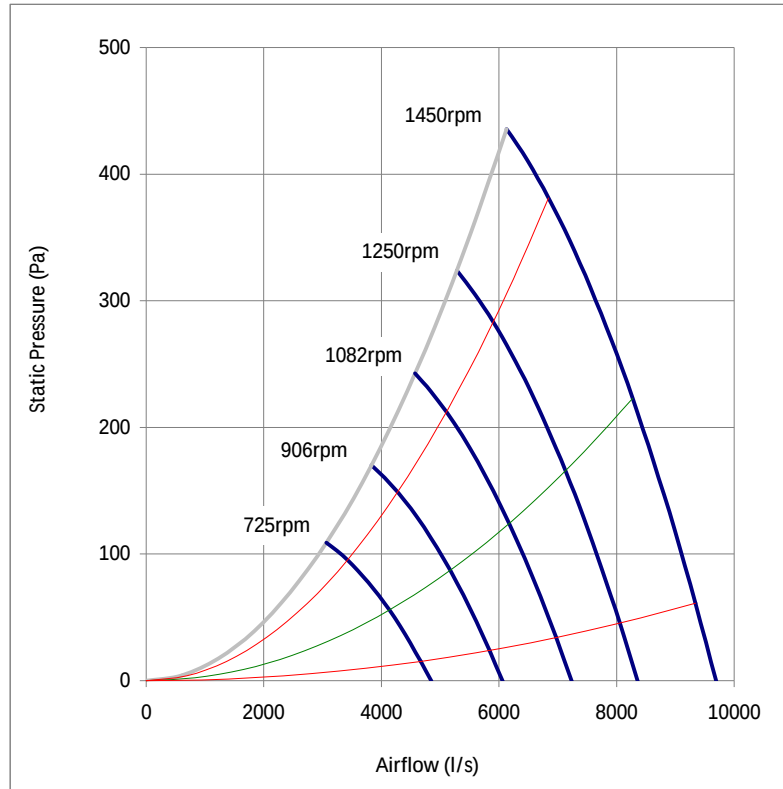
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

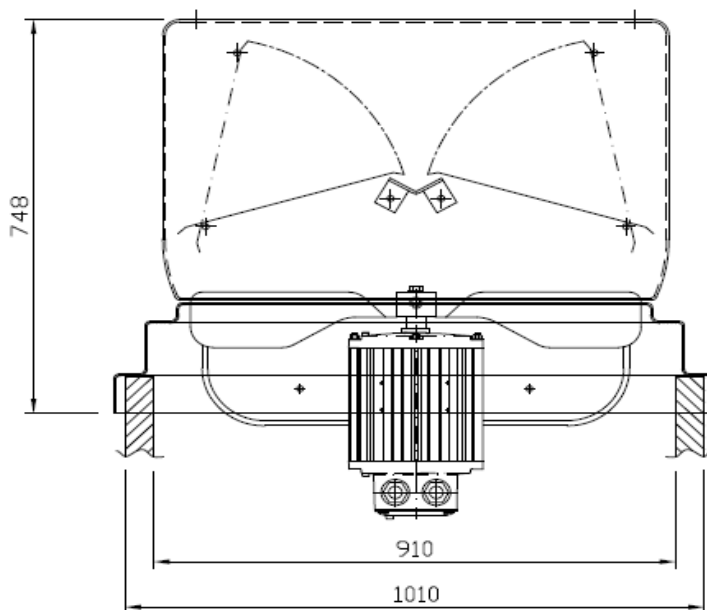
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 5.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1450 RPM
FLC 11.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 97 Kg
Max. Temp 50 °C

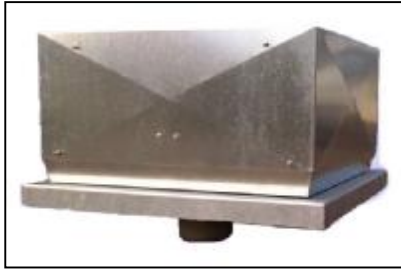


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1450	436	5.50	50	90	85	88	90	88	83	80	76	70
1250	324	3.52	43	87	82	85	87	85	80	77	73	67
1082	243	2.29	37	84	79	82	84	82	77	74	70	64
906	170	1.34	31	80	75	78	80	78	73	70	66	60
725	109	0.69	25	75	70	73	75	73	68	65	61	55



Roof Axial Vertical Discharge Fan

DVPG-8063



Impeller

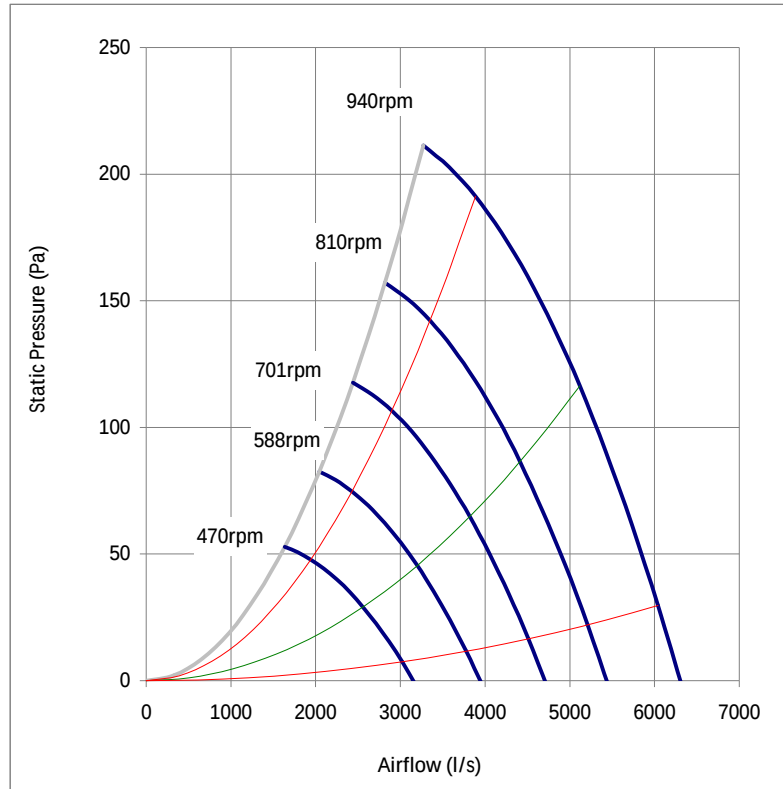
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

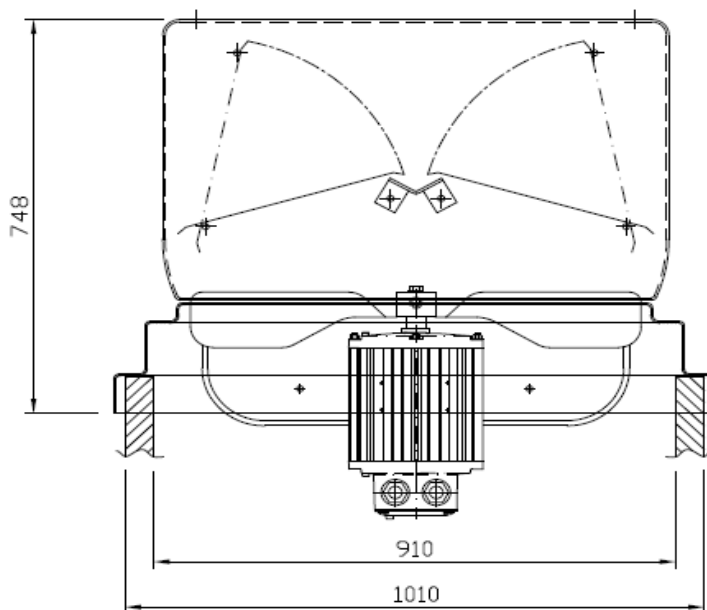
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 4.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 92 Kg
Max. Temp 50 °C

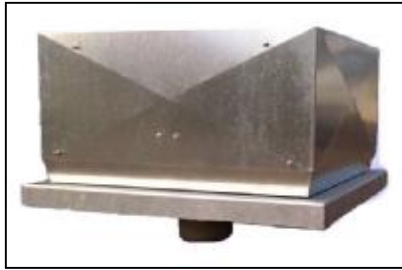


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	211	1.50	50	76	78	80	78	74	71	67	62	58
810	157	0.96	43	73	75	77	75	71	68	64	59	55
701	118	0.62	37	70	72	74	72	68	65	61	56	52
588	83	0.37	31	66	68	70	68	64	61	57	52	48
470	53	0.19	25	61	63	65	63	59	56	52	47	43



Roof Axial Vertical Discharge Fan

DVPG-10063



Impeller

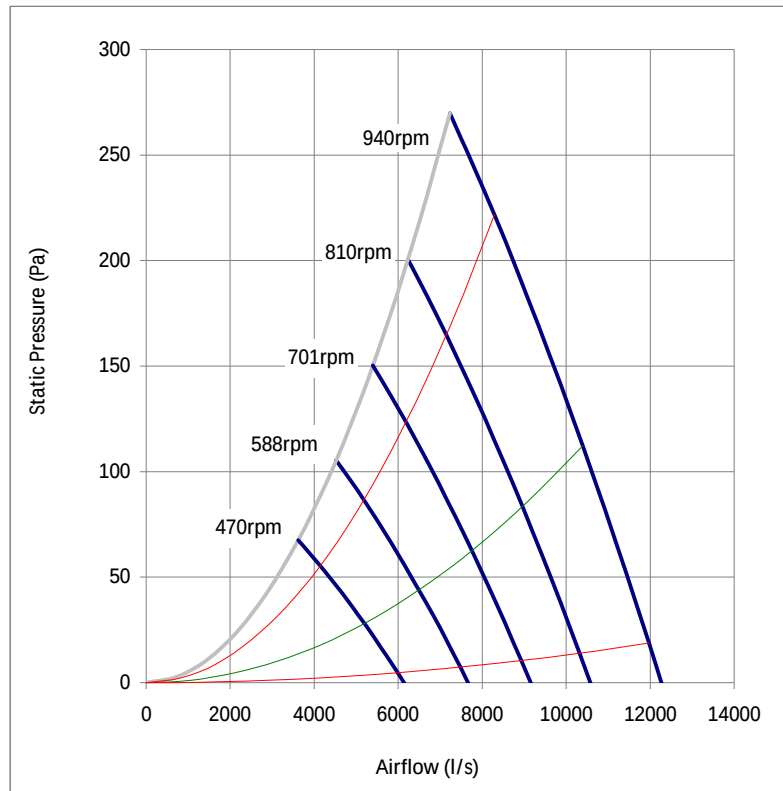
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

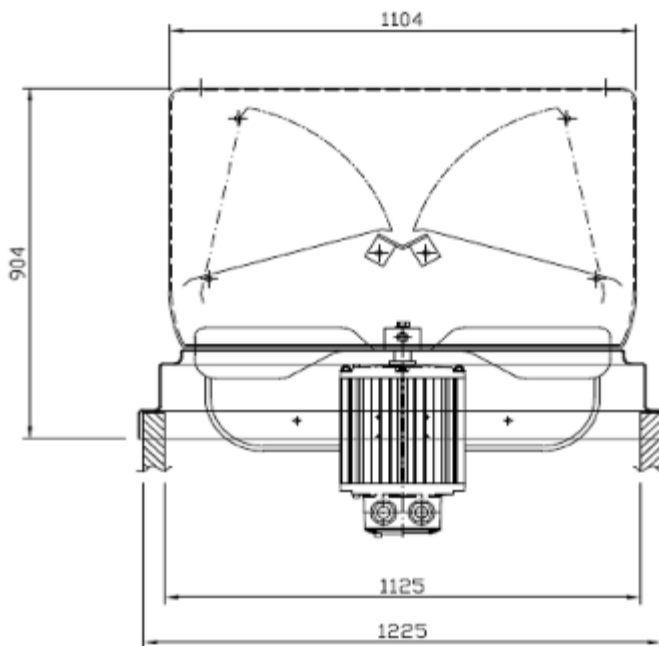
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 4.00 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 9.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 135 Kg
Max. Temp 50 °C

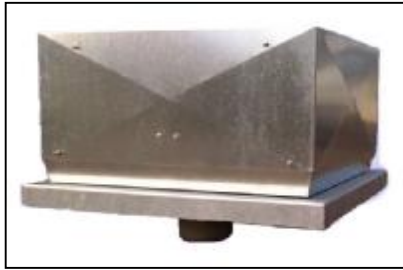


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	270	4.00	50	88	88	86	85	85	82	78	74	68
810	200	2.56	43	85	85	83	82	82	79	75	71	65
701	150	1.66	37	82	82	80	79	79	76	72	68	62
588	105	0.98	31	78	78	76	75	75	72	68	64	58
470	67	0.50	25	73	73	71	70	70	67	63	59	53



Roof Axial Vertical Discharge Fan

DVPG-10063



Impeller

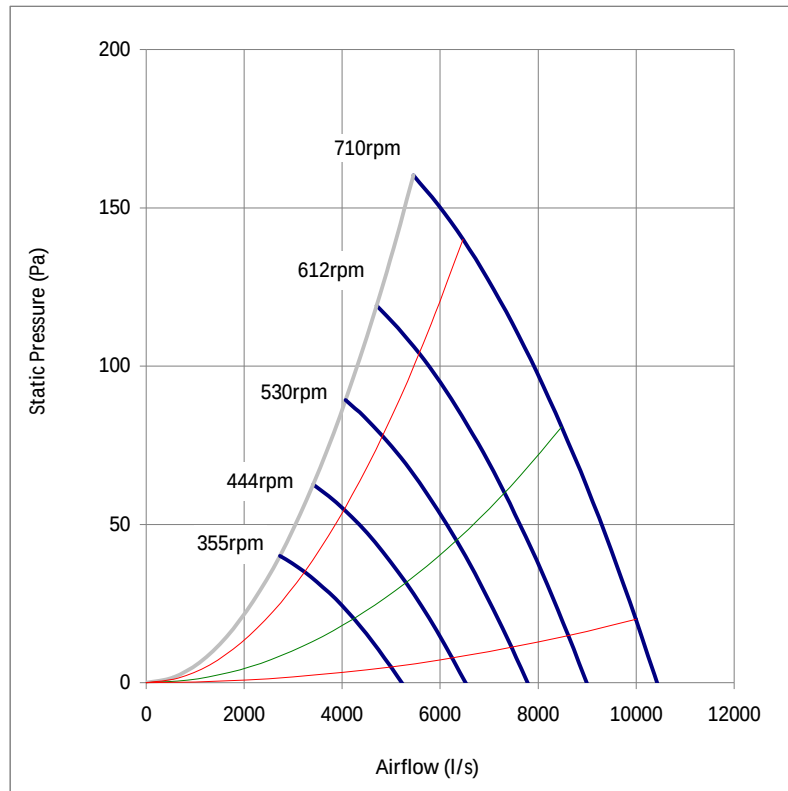
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

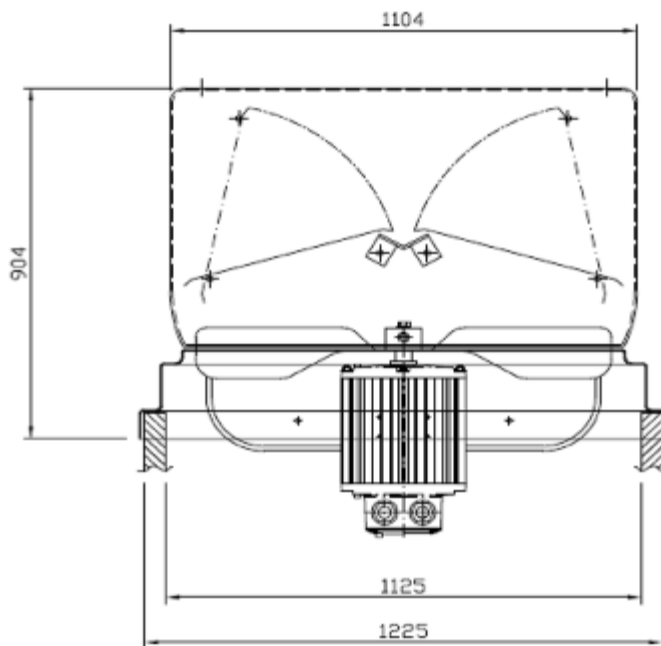
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 710 RPM
FLC 5.90 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Galvanised Metal
Weight 135 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
710	160	2.20	50	83	83	81	80	80	76	72	67	63
612	119	1.41	43	80	80	78	77	77	73	69	64	60
530	89	0.91	37	77	77	75	74	74	70	66	61	57
444	63	0.54	31	73	73	71	70	70	66	62	57	53
355	40	0.28	25	68	68	66	65	65	61	57	52	48



PSCR

- Roof Mount Centrifugal Extract Fan
 - With External Rotor

SPECIFICATION

Sizes

250, 280, 310, 315, 350, 400, 450, 500, 560, 630mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

Ziehl-Abegg Vpro low noise high efficiency centrifugal fan with profiled blades. The impellers are manufactured from black composite material and balanced according to ISO1940.

MOTORS

Ziehl-Abegg asynchronous external rotor motors. Motor enclosure to feature IP54 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

Casing

Cowl and base of the fans are of UV stabilised fibreglass or Rovel. Impeller/motor assembly to be supported by a galvanised steel. Bird mesh to be fit as standard.



Ziehl-Abegg Vpro external rotor

Roof Centrifugal Downflow Fan

PSCR-1921



Impeller

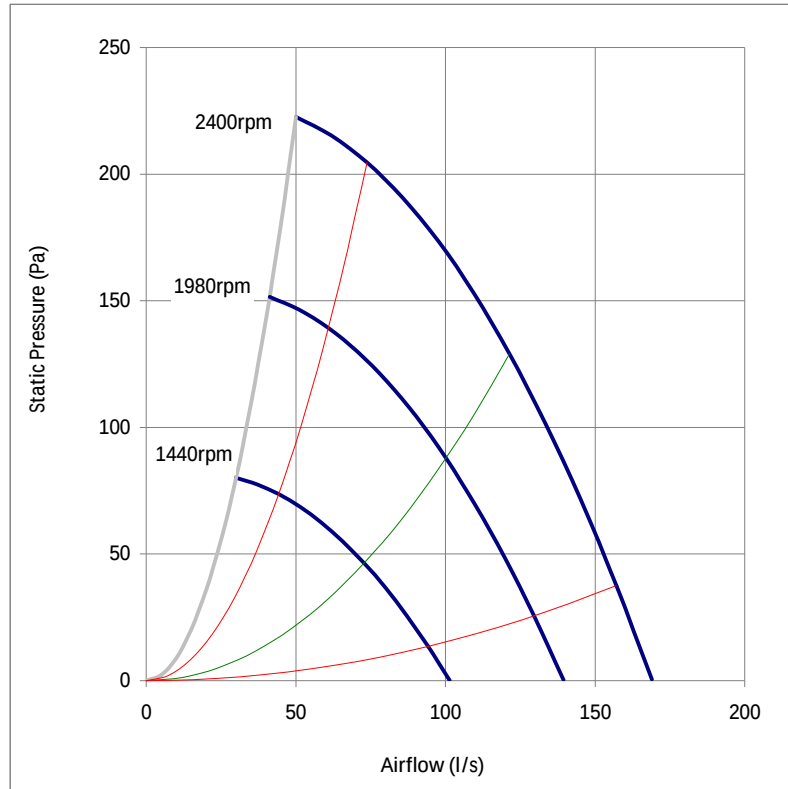
Size 190 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

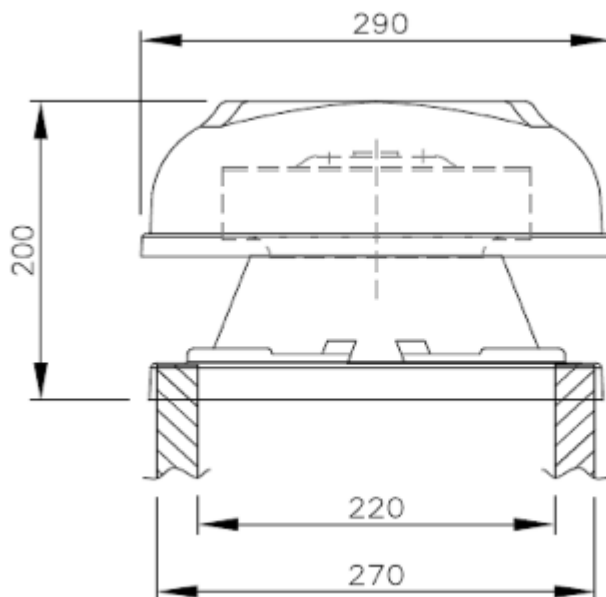
Type External Rotor - 3 Speed
IP Rating 44
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 2400/1980/1440 RPM
FLC 0.29 A
Capacitor 2 μ F
Control DOL
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 2.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2400	223	0.07	230	61	61	64	63	62	58	57	46	45
1980	152	0.06	230	57	57	60	58	58	54	53	42	41
1440	80	0.05	230	50	50	53	51	51	47	46	35	34



Roof Centrifugal Downflow Fan

PSCR-2521



Impeller

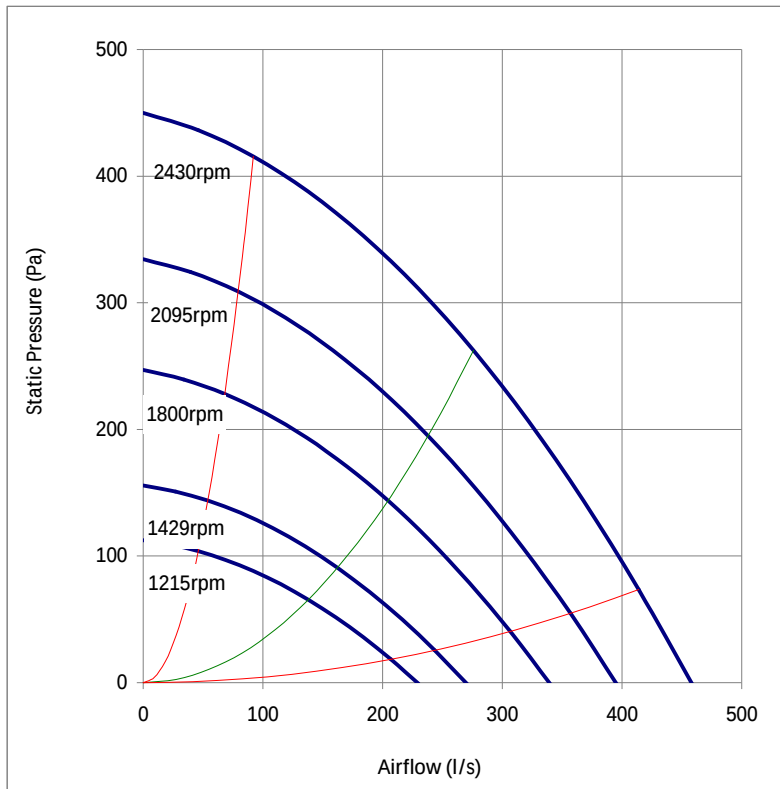
Size 250 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

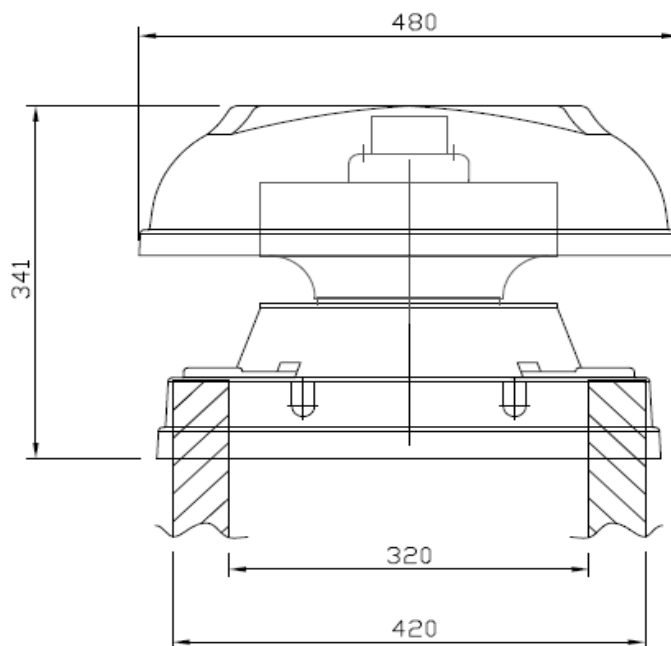
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.22 Kw
Power Supply 230V/1PH/50Hz
Speed 2430 RPM
FLC 0.96 A
Capacitor 8 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 8 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2430	450	0.22	230	68	72	69	68	66	64	63	56	53
2095	334	0.14	200	65	69	66	65	63	61	60	53	50
1800	247	0.09	170	61	65	62	61	59	57	56	49	46
1429	156	0.04	130	56	60	57	56	54	52	51	44	41
1215	113	0.03	110	53	57	54	53	51	49	48	41	38



Roof Centrifugal Downflow Fan

PSCR-2541



Impeller

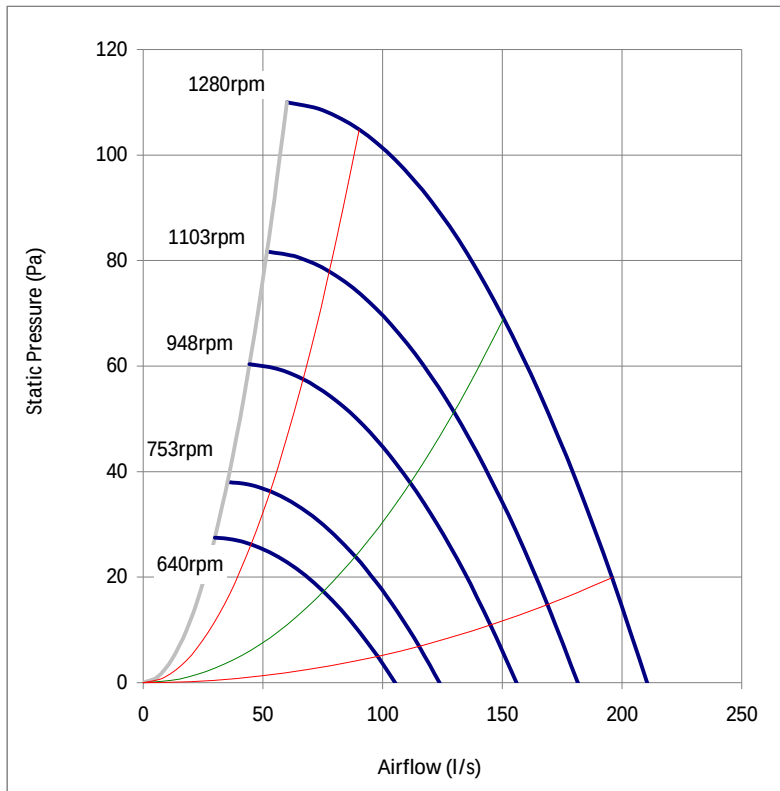
Size 250 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

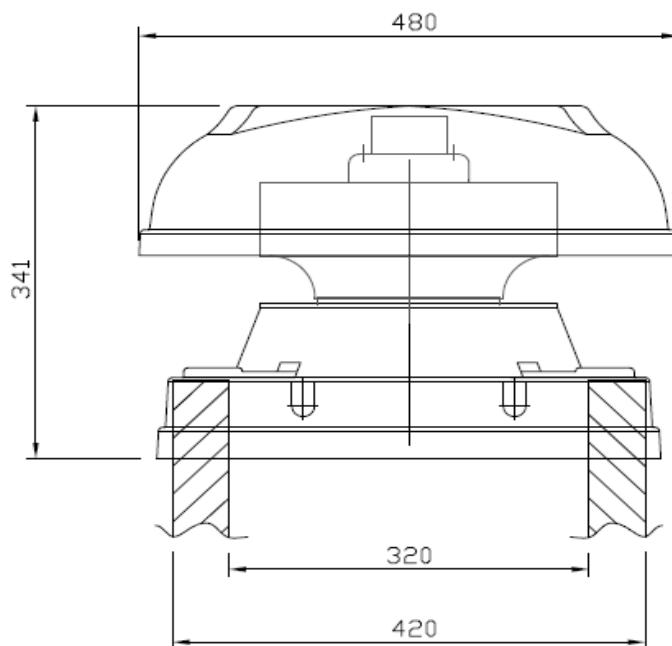
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.05 Kw
Power Supply 230V/1PH/50Hz
Speed 1280
FLC 0.24 A
Capacitor 1.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 3.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1280	110	0.05	230	58	57	58	55	53	51	48	39	37
1103	82	0.03	200	55	54	55	52	50	48	45	36	34
948	60	0.02	170	51	50	51	48	46	44	41	32	30
753	38	0.01	130	46	45	46	43	41	39	36	27	25
640	27	0.01	110	43	42	43	40	38	36	33	24	22



Roof Centrifugal Downflow Fan

PSCR-2821



Impeller

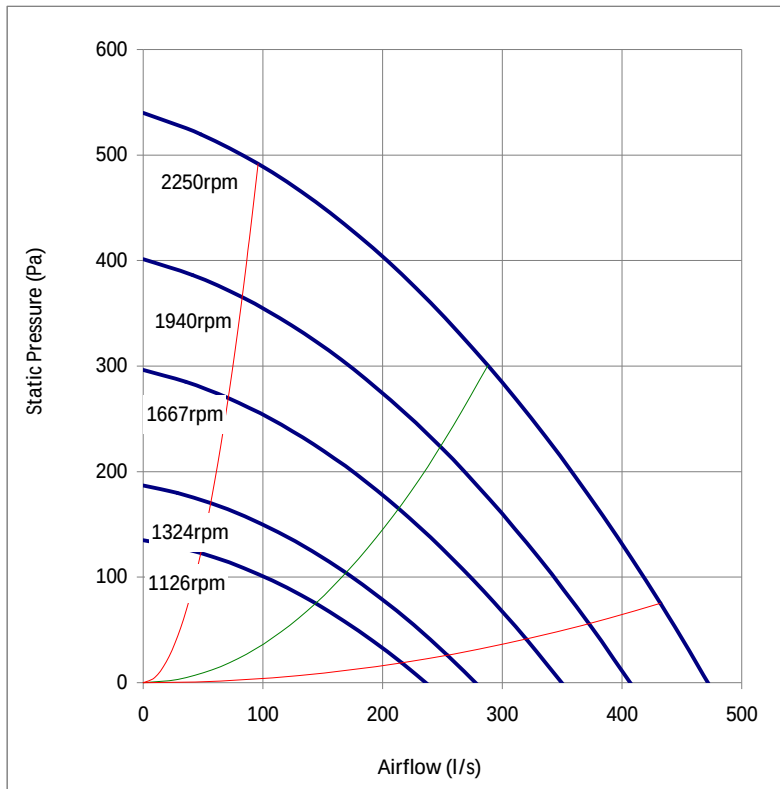
Size 280 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

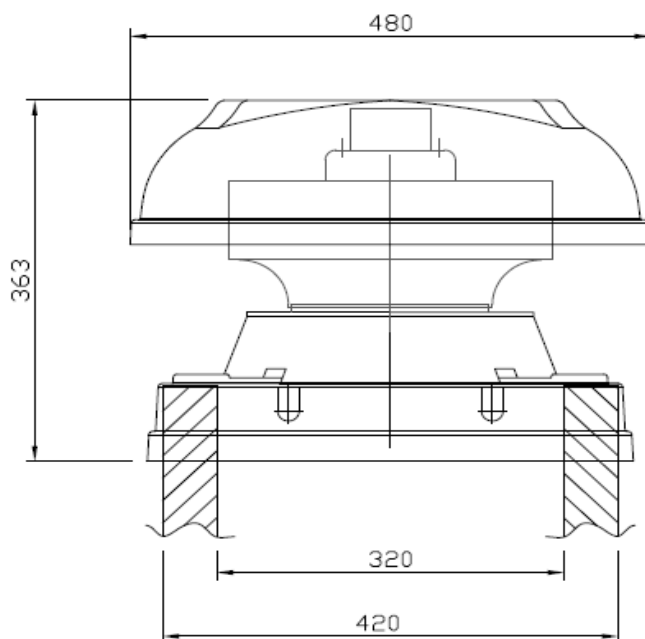
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.29 Kw
Power Supply 230V/1PH/50Hz
Speed 2250 RPM
FLC 1.24A
Capacitor 8 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Rovel UV Stabilised
Weight 8 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2250	540	0.29	230	73	74	73	71	68	67	67	54	53
1940	401	0.19	200	70	71	70	68	65	64	64	51	50
1667	296	0.12	170	66	67	66	64	61	60	60	47	46
1324	187	0.06	130	61	62	61	59	56	55	55	42	41
1125	135	0.04	110	58	59	58	56	53	52	52	39	38



Roof Centrifugal Downflow Fan

PSCR-2841



Impeller

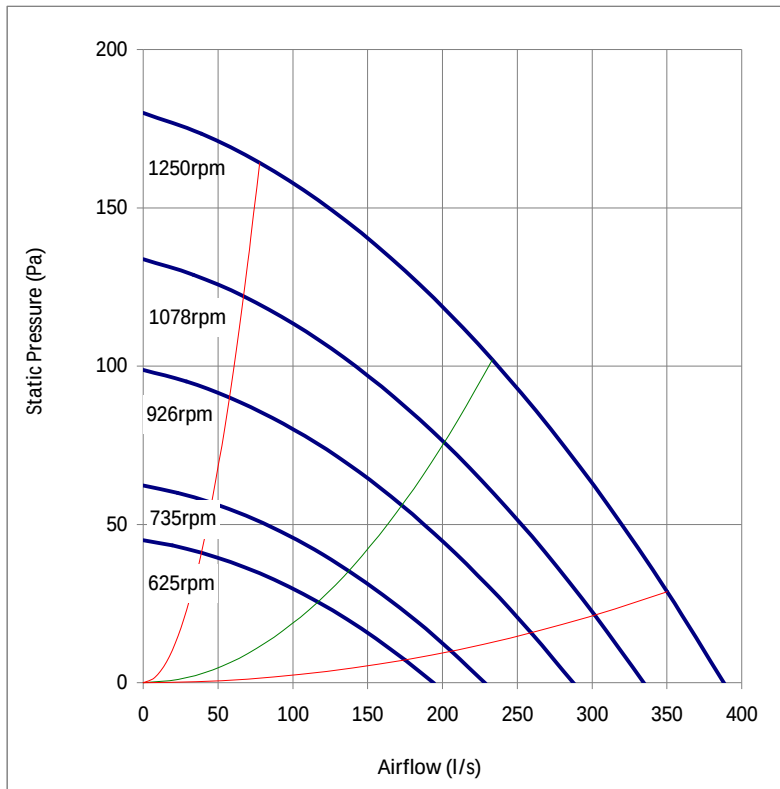
Size 280 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

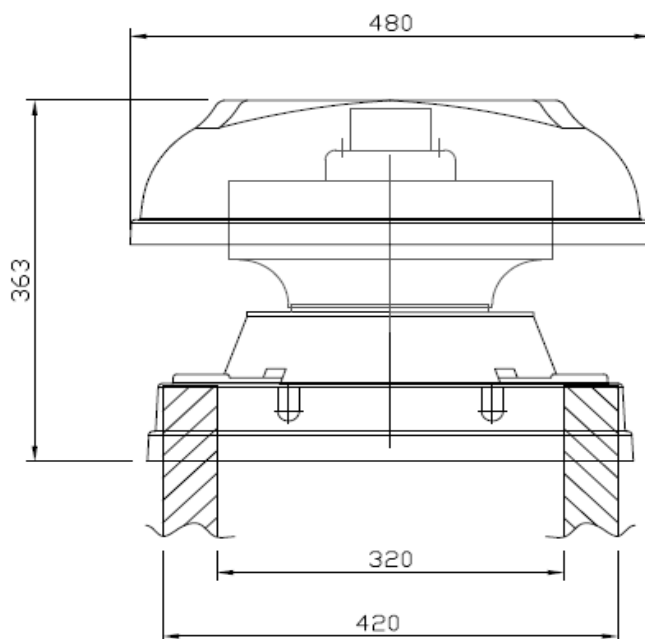
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.09 Kw
Power Supply 230V/1PH/50Hz
Speed 1250 RPM
FLC 0.41A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 8 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1250	180	0.09	230	60	61	60	58	55	54	54	41	41
1078	134	0.06	200	57	58	57	55	52	51	51	38	38
926	99	0.04	170	53	54	53	51	48	47	47	34	34
735	62	0.02	130	48	49	48	46	43	42	42	29	29
625	45	0.01	110	45	46	45	43	40	39	39	26	26



Roof Centrifugal Downflow Fan

PSCR-3141



Impeller

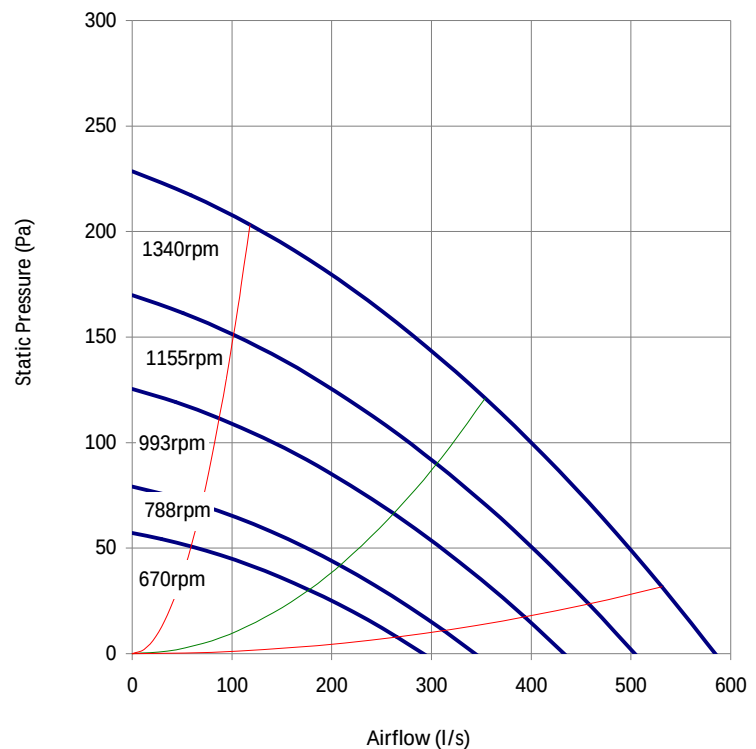
Size 310 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

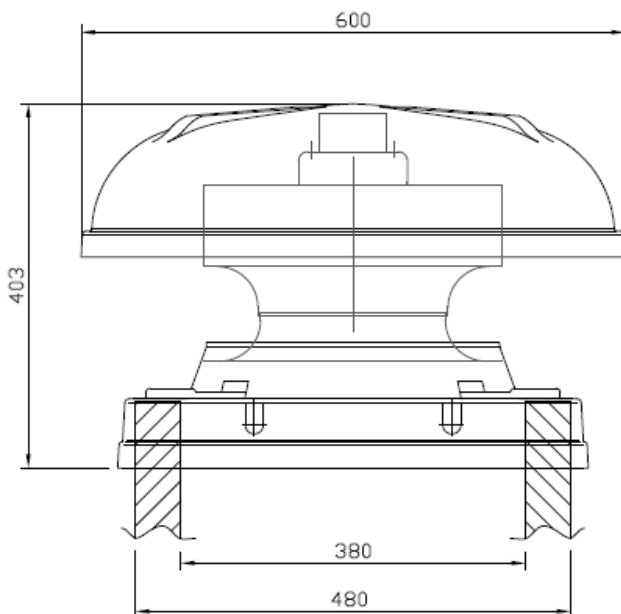
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.18 Kw
Power Supply 230V/1PH/50Hz
Speed 1420 RPM
FLC 0.8 A
Capacitor 5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 15 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	229	0.18	230	62	64	61	67	62	57	52	51	41
1155	170	0.12	200	59	61	58	64	59	54	49	48	38
993	125	0.07	170	55	57	54	60	55	50	45	44	34
788	79	0.04	130	50	52	49	55	50	45	40	39	29
670	57	0.02	110	47	49	46	52	47	42	37	36	26



Roof Centrifugal Downflow Fan

PSCR-3143



Impeller

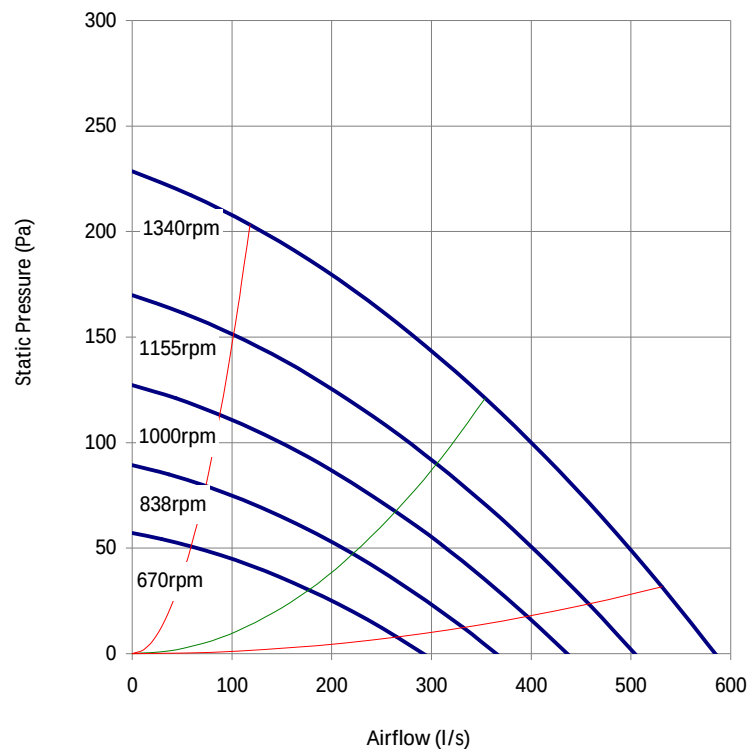
Size 310 mm
Type Backward Aerefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

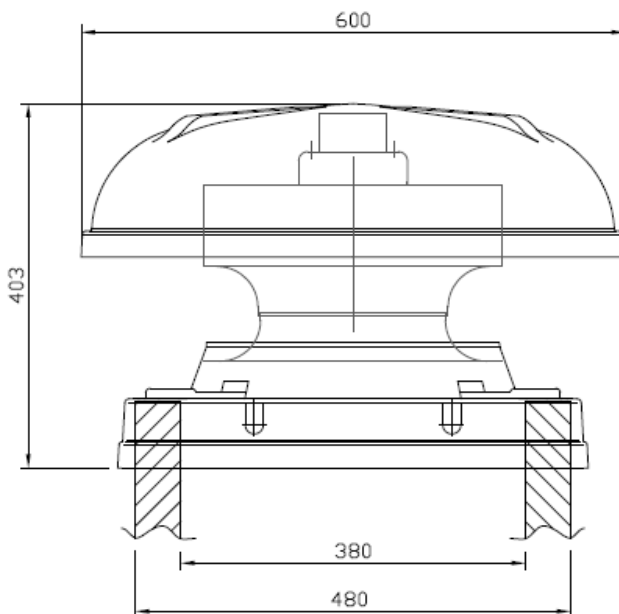
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.14 Kw
Power Supply 400V/3PH/50Hz
Speed 1340 RPM
FLC 0.29 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 15 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	229	0.14	50	62	64	61	67	62	57	52	51	41
1155	170	0.09	43	59	61	58	64	59	54	49	48	38
1000	127	0.06	37	56	58	55	61	56	51	46	45	35
838	89	0.03	31	52	54	51	57	52	47	42	41	31
670	57	0.02	25	47	49	46	52	47	42	37	36	26



Roof Centrifugal Downflow Fan

PSCR-3541



Impeller

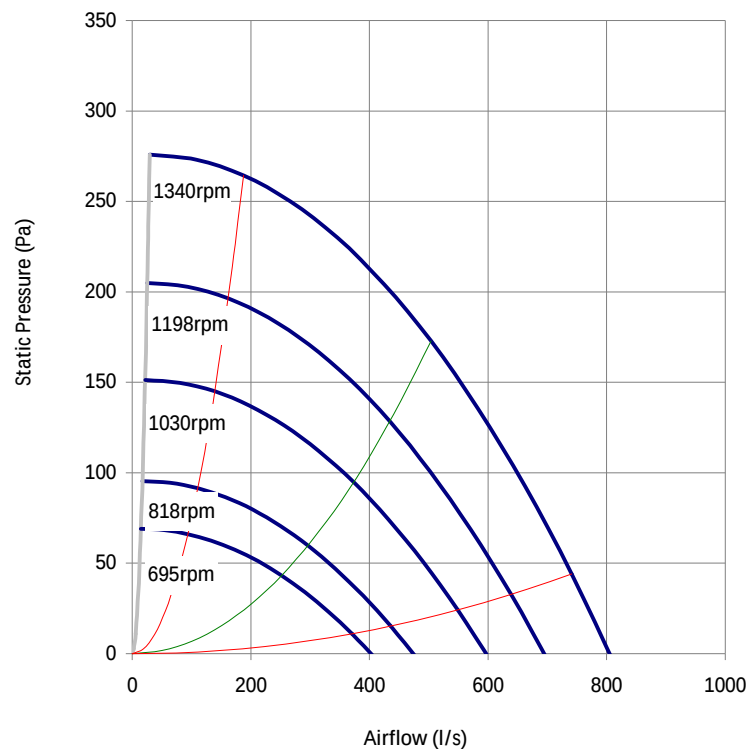
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

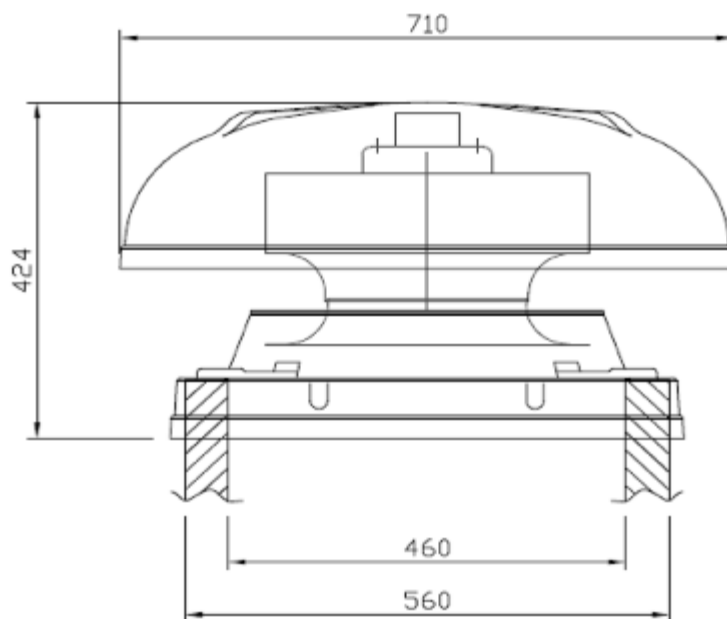
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.27 Kw
Power Supply 230V/1PH/50Hz
Speed 1390 RPM
FLC 1.3 A
Capacitor 6 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 23 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	276	0.27	230	66	70	62	59	56	51	53	51	42
1198	205	0.17	200	63	67	59	56	53	48	50	48	39
1030	151	0.11	170	59	63	55	52	49	44	46	44	35
818	95	0.05	130	54	58	50	47	44	39	41	39	30
695	69	0.03	110	51	55	47	44	41	36	38	36	27



Roof Centrifugal Downflow Fan

PSCR-3543



Impeller

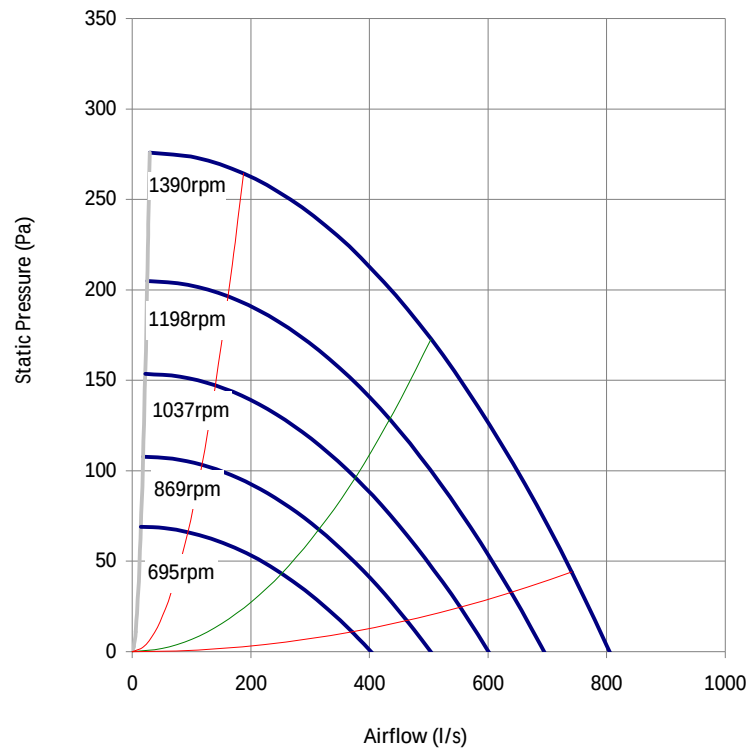
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

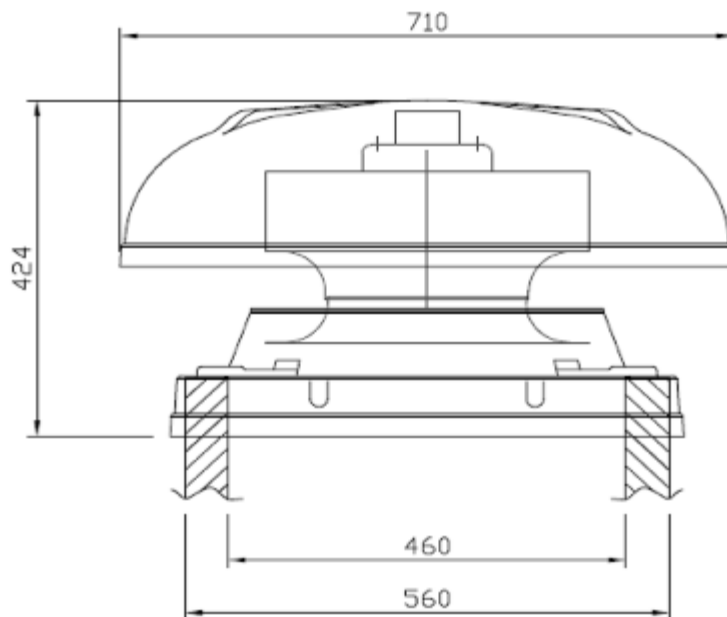
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.24 Kw
Power Supply 400V/3PH/50Hz
Speed 1390 RPM
FLC 0.47 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 23 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	276	0.24	50	66	70	62	59	56	51	53	51	41
1198	205	0.15	43	63	67	59	56	53	48	50	48	38
1037	154	0.10	37	60	64	56	53	50	45	47	45	35
869	108	0.06	31	56	60	52	49	46	41	43	41	31
695	69	0.03	25	51	55	47	44	41	36	38	36	26



Roof Centrifugal Downflow Fan

PSCR-3561



Impeller

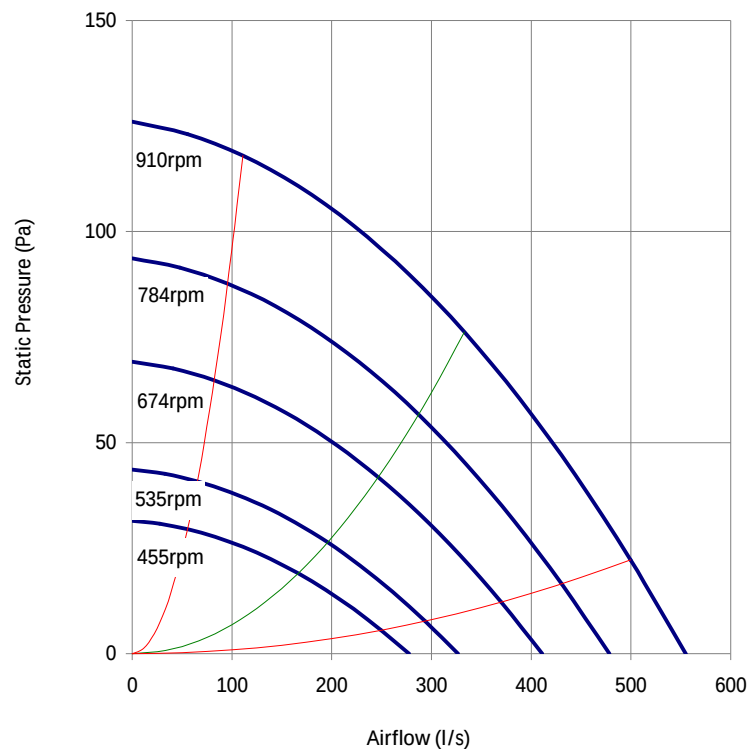
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

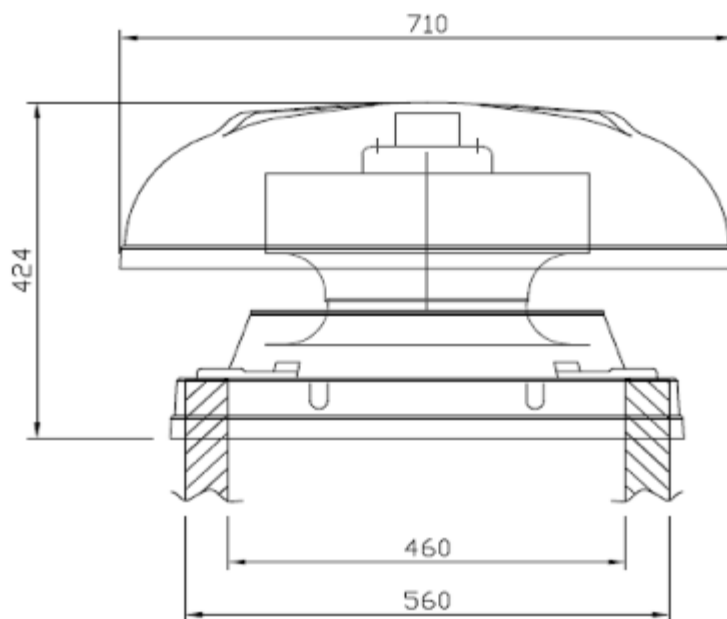
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.11 Kw
Power Supply 230V/1PH/50Hz
Speed 910 RPM
FLC 0.49 A
Capacitor 4 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 23 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
910	126	0.11	230	59	63	55	52	49	44	46	44	35
784	94	0.07	200	56	60	52	49	46	41	43	41	32
674	69	0.04	170	52	56	48	45	42	37	39	37	28
535	44	0.02	130	47	51	43	40	37	32	34	32	23
455	32	0.01	110	44	48	40	37	34	29	31	29	20



Roof Centrifugal Downflow Fan

PSCR-4041



Impeller

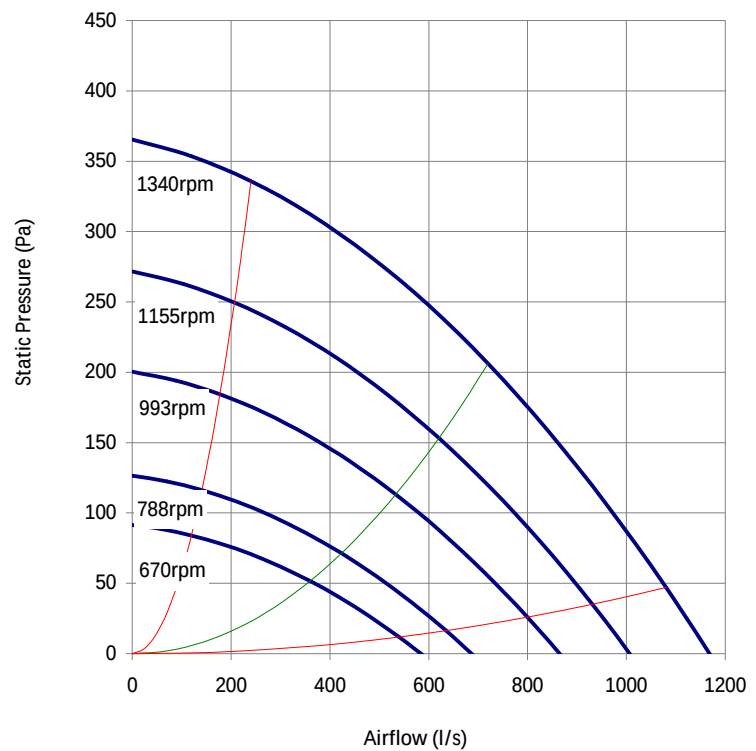
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

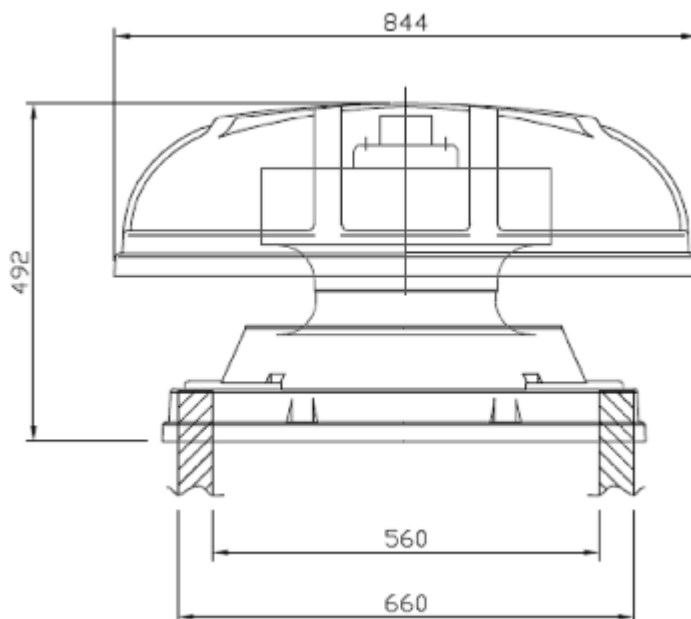
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.49 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 2.5 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	365	0.49	230	63	68	63	62	55	52	48	53	42
1155	272	0.31	200	60	65	60	59	52	49	45	50	39
993	200	0.20	170	56	61	56	55	48	45	41	46	35
788	126	0.10	130	51	56	51	50	43	40	36	41	30
670	91	0.06	110	48	53	48	47	40	37	33	38	27



Roof Centrifugal Downflow Fan

PSCR-4043



Impeller

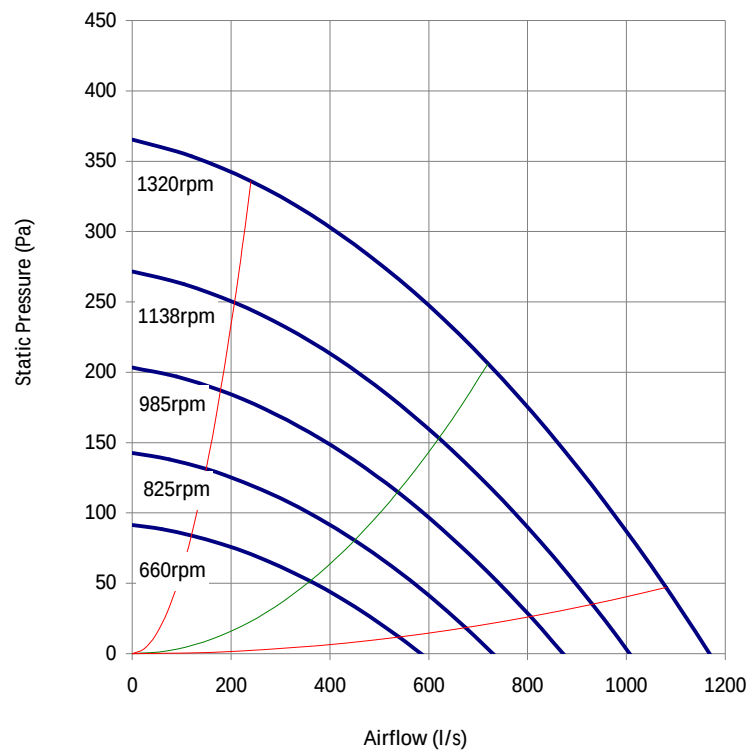
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

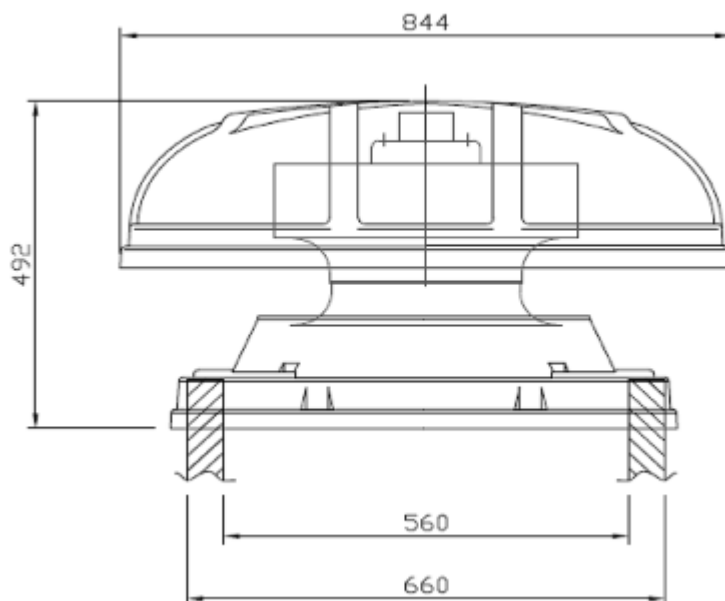
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.44 Kw
Power Supply 400V/3PH/50Hz
Speed 1320 RPM
FLC 0.75 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1320	365	0.44	50	63	68	63	62	55	52	48	53	42
1138	272	0.28	43	60	65	60	59	52	49	45	50	39
985	203	0.18	37	57	62	57	56	49	46	42	47	36
825	143	0.11	31	53	58	53	52	45	42	38	43	32
660	91	0.06	25	48	53	48	47	40	37	33	38	27



Roof Centrifugal Downflow Fan

PSCR-4061



Impeller

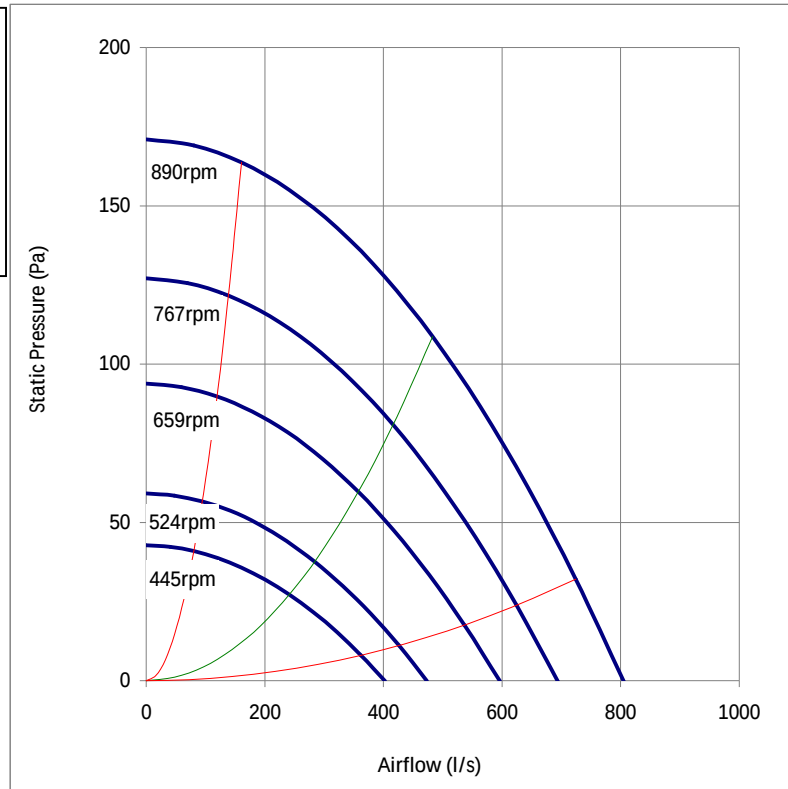
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

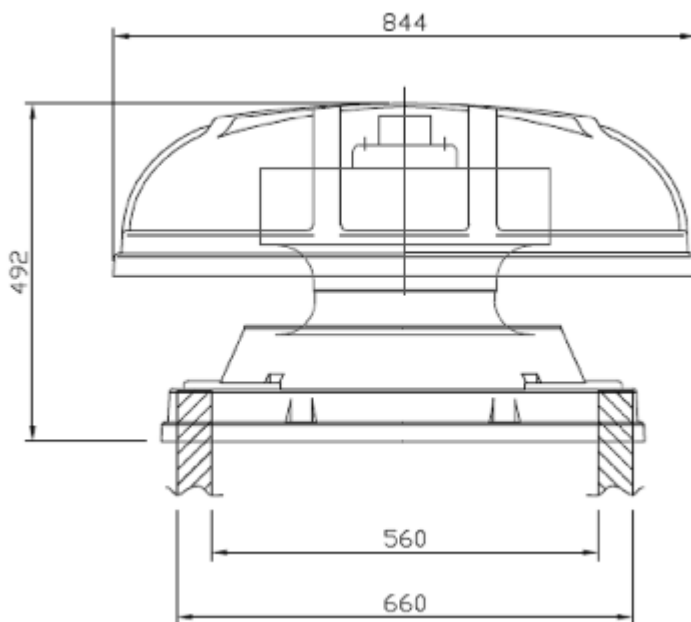
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.17 Kw
Power Supply 230V/1PH/50Hz
Speed 890 RPM
FLC 0.76 A
Capacitor 6 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
890	171	0.17	230	56	61	56	55	48	45	41	44	36
767	127	0.11	200	53	58	53	52	45	42	38	41	33
659	94	0.07	170	49	54	49	48	41	38	34	37	29
524	59	0.03	130	44	49	44	43	36	33	29	32	24
445	43	0.02	110	41	46	41	40	33	30	26	29	21



Roof Centrifugal Downflow Fan

PSCR-4541



Impeller

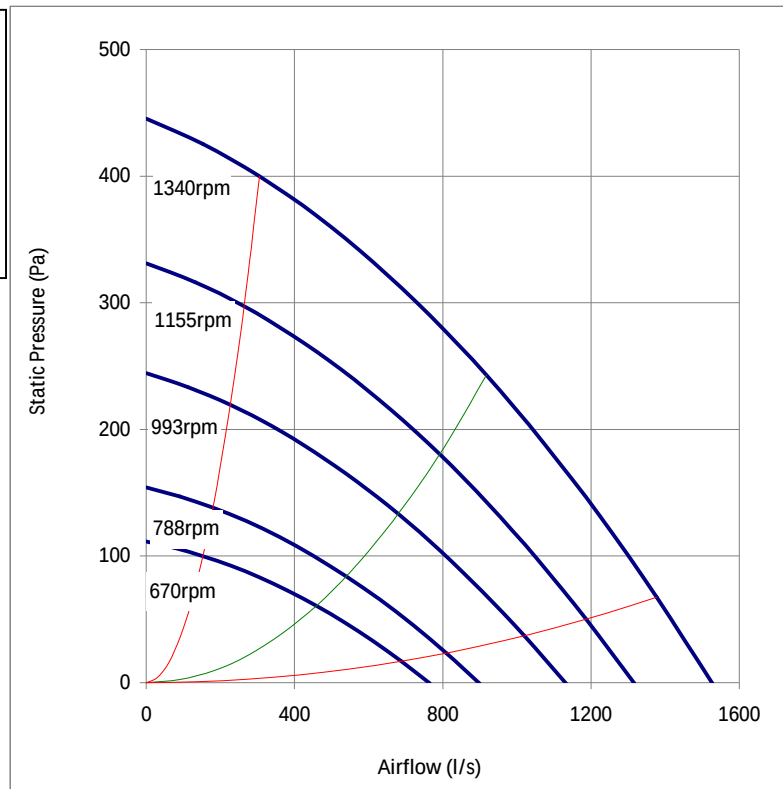
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

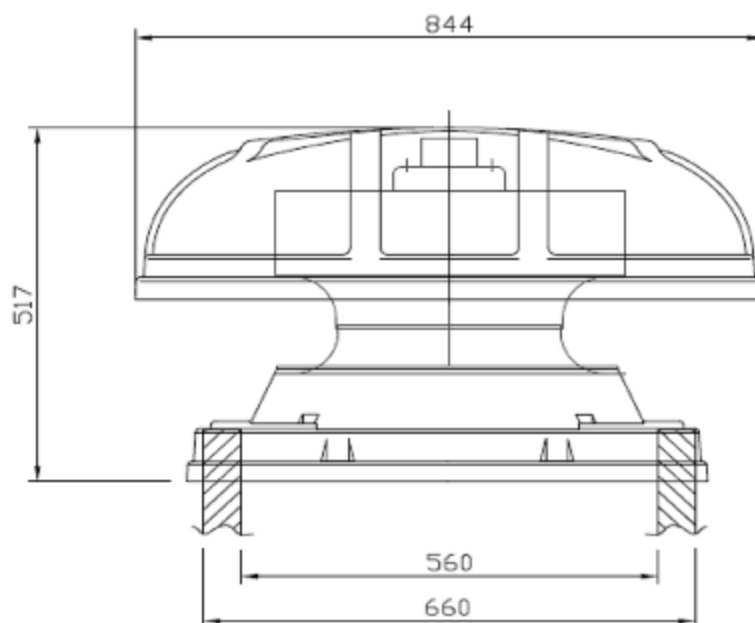
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.77 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 3.60 A
Capacitor 20 μ F
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	446	0.77	230	68	71	71	64	57	53	49	51	48
1155	331	0.49	200	65	68	68	61	54	50	46	48	45
993	244	0.31	170	61	64	64	57	50	46	42	44	41
788	154	0.16	130	56	59	59	52	45	41	37	39	36
670	111	0.10	110	53	56	56	49	42	38	34	36	33



Roof Centrifugal Downflow Fan

PSCR-4543



Impeller

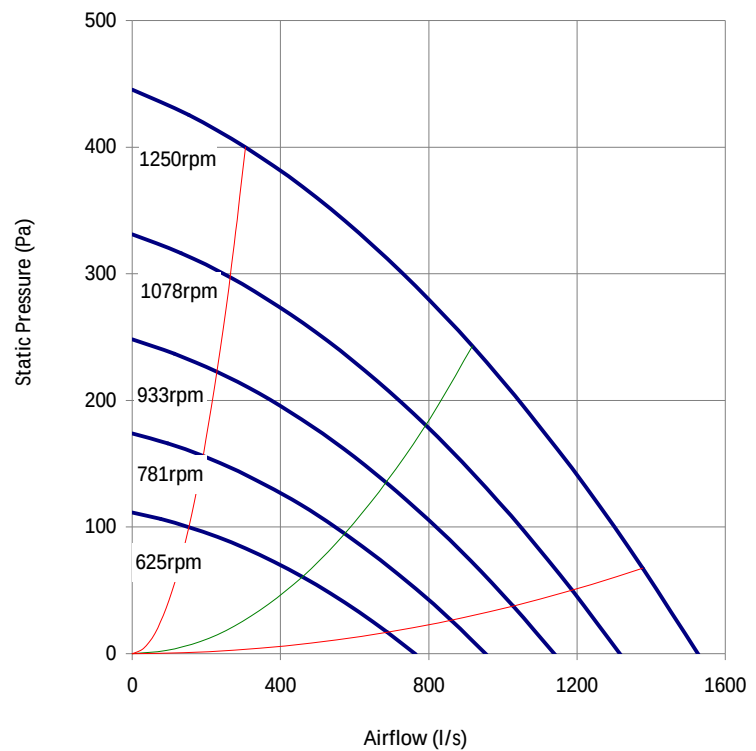
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

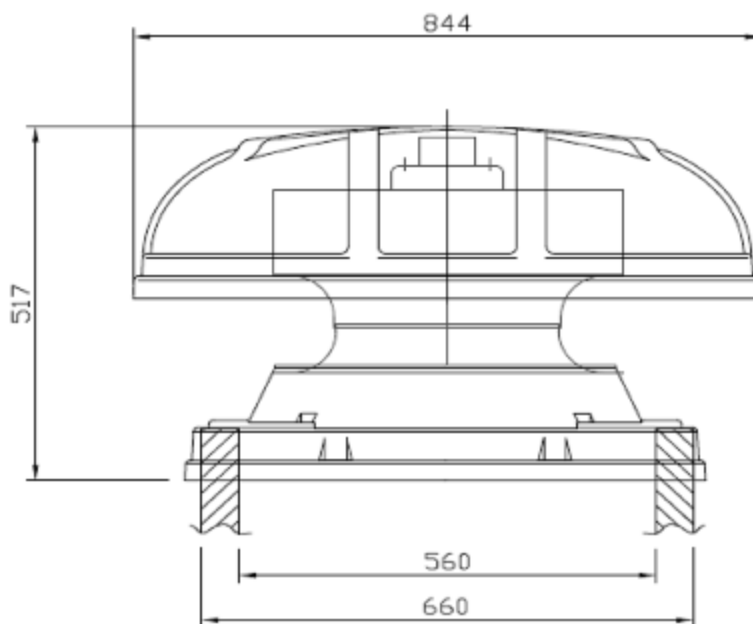
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.65 Kw
Power Supply 400V/3PH/50Hz
Speed 1250 RPM
FLC 1.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1250	446	0.65	50	68	71	71	64	57	53	49	51	48
1078	331	0.42	43	65	68	68	61	54	50	46	48	45
933	248	0.27	37	62	65	65	58	51	47	43	45	42
781	174	0.16	31	58	61	61	54	47	43	39	41	38
625	111	0.08	25	53	56	56	49	42	38	34	36	33



Roof Centrifugal Downflow Fan

PSCR-4561



Impeller

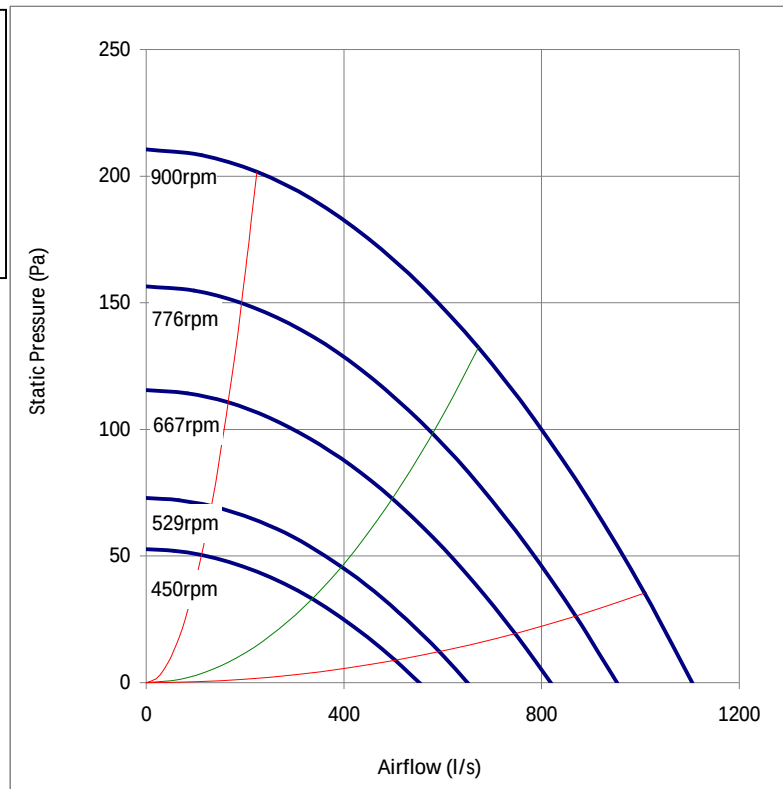
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

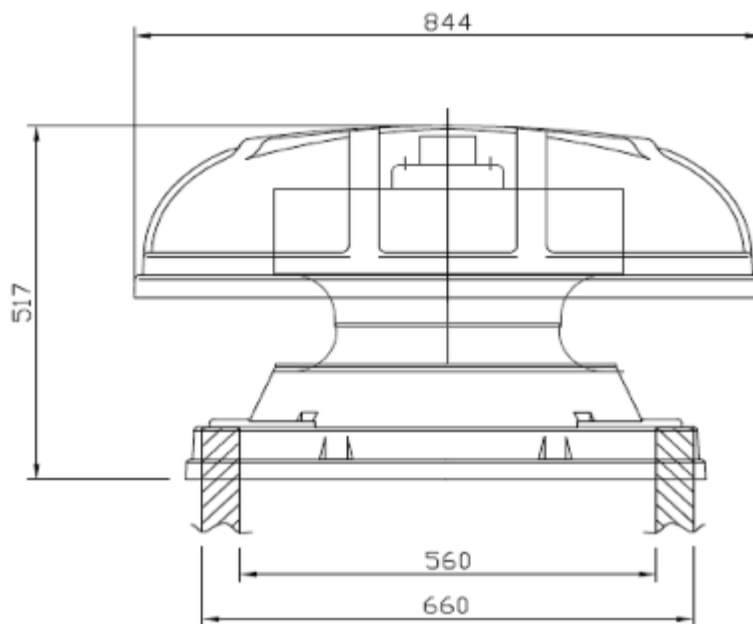
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.25 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 1.10 A
Capacitor 8 µF
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	211	0.25	230	61	64	64	57	50	46	42	44	41
776	157	0.16	200	58	61	61	54	47	43	39	41	38
667	116	0.10	170	54	57	57	50	43	39	35	37	34
529	73	0.05	130	49	52	52	45	38	34	30	32	29
450	53	0.03	110	46	49	49	42	35	31	27	29	26



Roof Centrifugal Downflow Fan

PSCR-4563



Impeller

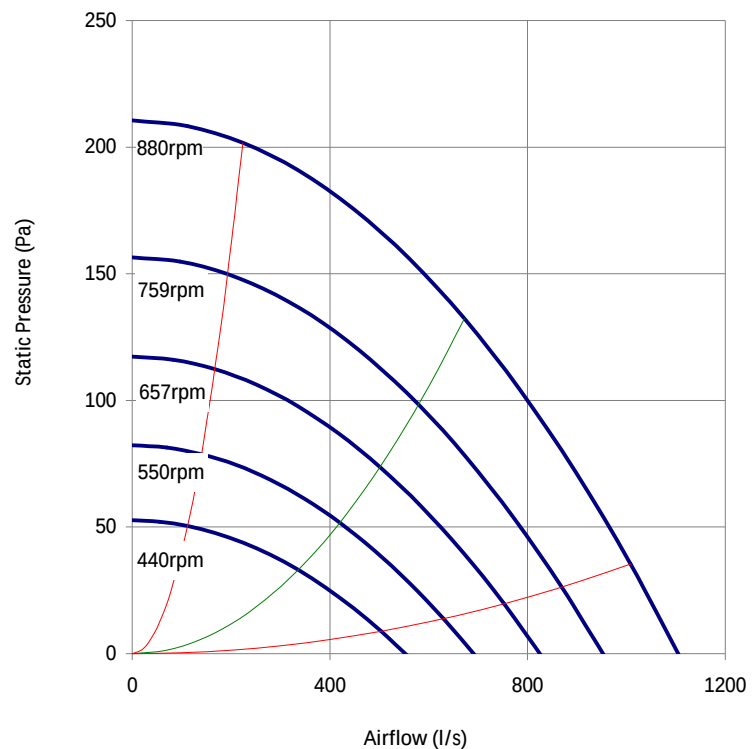
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

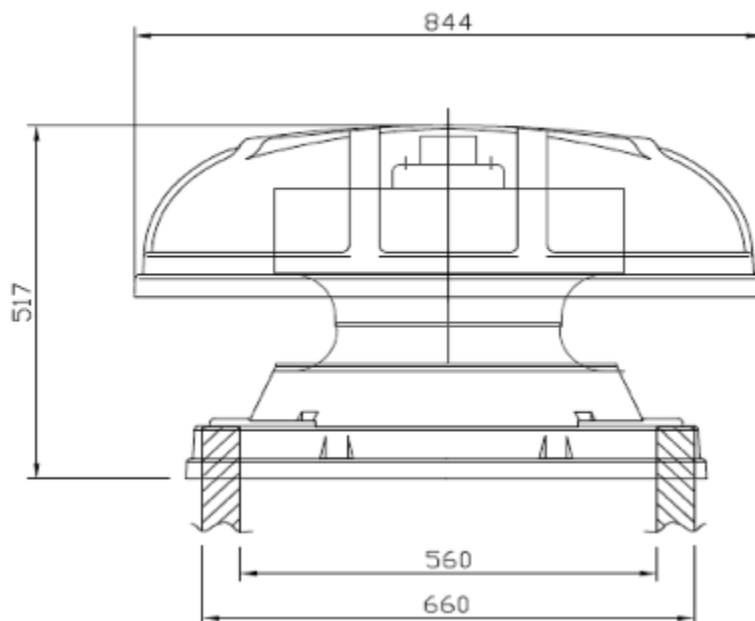
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.25 Kw
Power Supply 400V/3PH/50Hz
Speed 880 RPM
FLC 0.58 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	211	0.25	50	61	64	64	57	50	46	42	44	41
759	157	0.16	43	58	61	61	54	47	43	39	41	38
657	117	0.10	37	55	58	58	51	44	40	36	38	35
550	82	0.06	31	51	54	54	47	40	36	32	34	31
440	53	0.03	25	46	49	49	42	35	31	27	29	26



Roof Centrifugal Downflow Fan

PSC-5041



Impeller

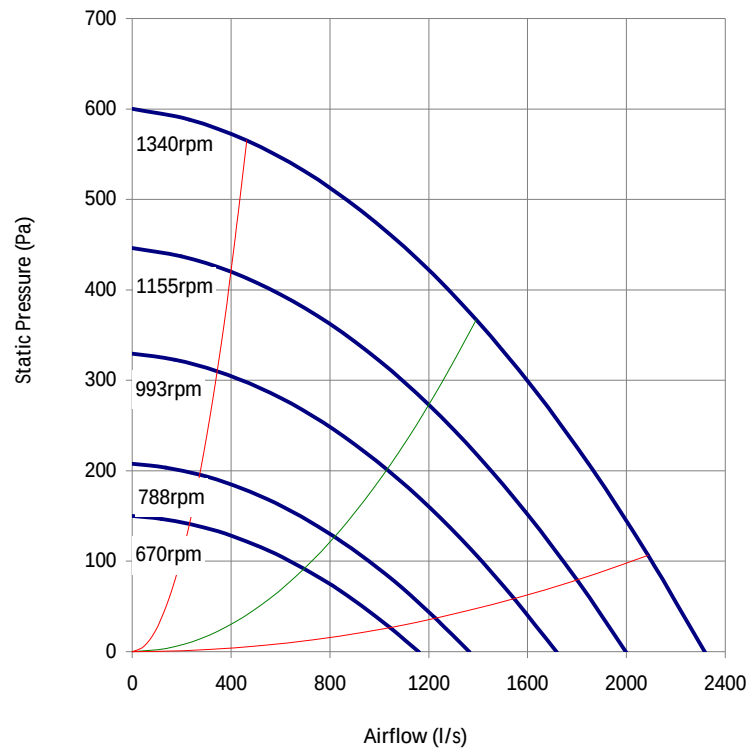
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

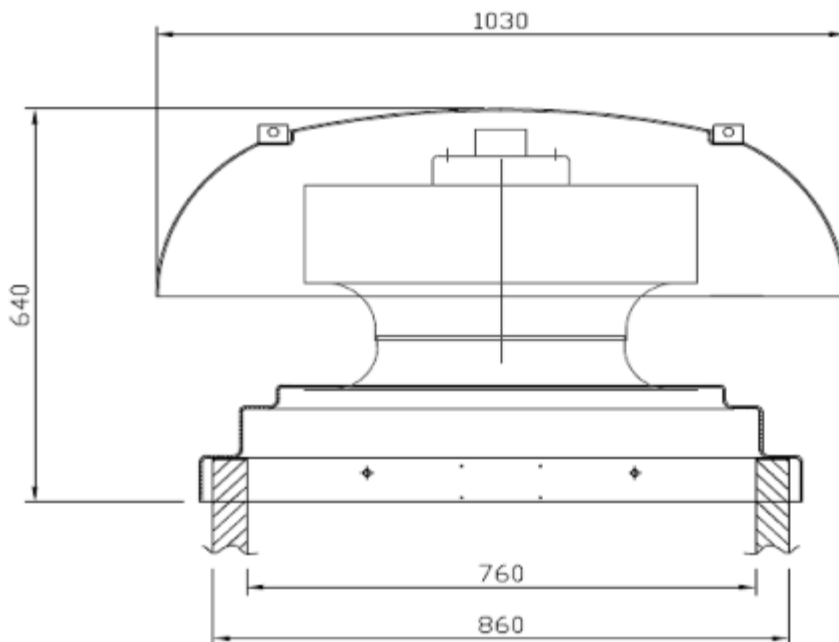
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.30 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 5.80 A
Capacitor 30 μ F
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	600	1.30	230	72	78	72	70	64	59	57	61	51
1155	446	0.83	200	69	75	69	67	61	56	54	58	48
993	329	0.53	170	65	71	65	63	57	52	50	54	44
788	208	0.26	130	60	66	60	58	52	47	45	49	39
670	150	0.16	110	57	63	57	55	49	44	42	46	36



Roof Centrifugal Downflow Fan

PSC-5043



Impeller

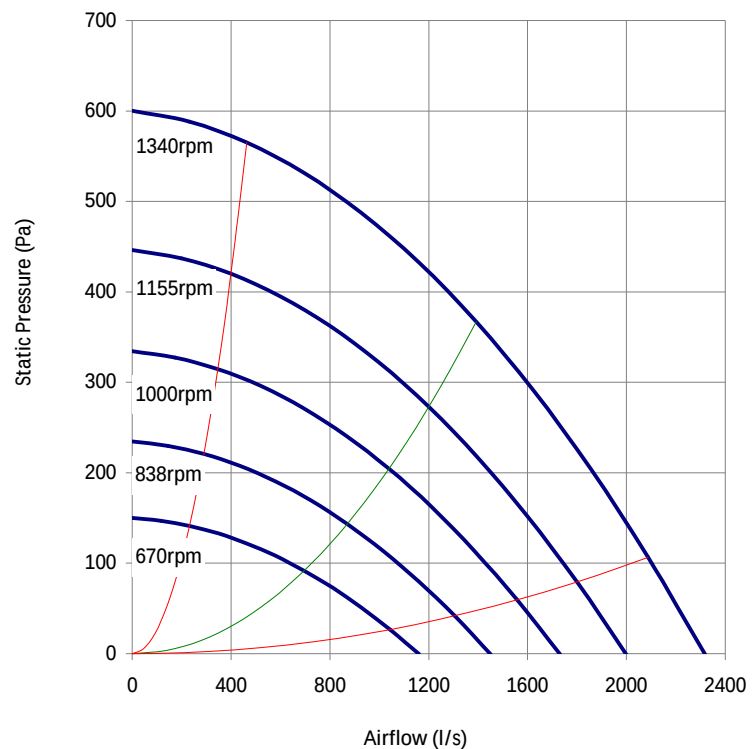
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

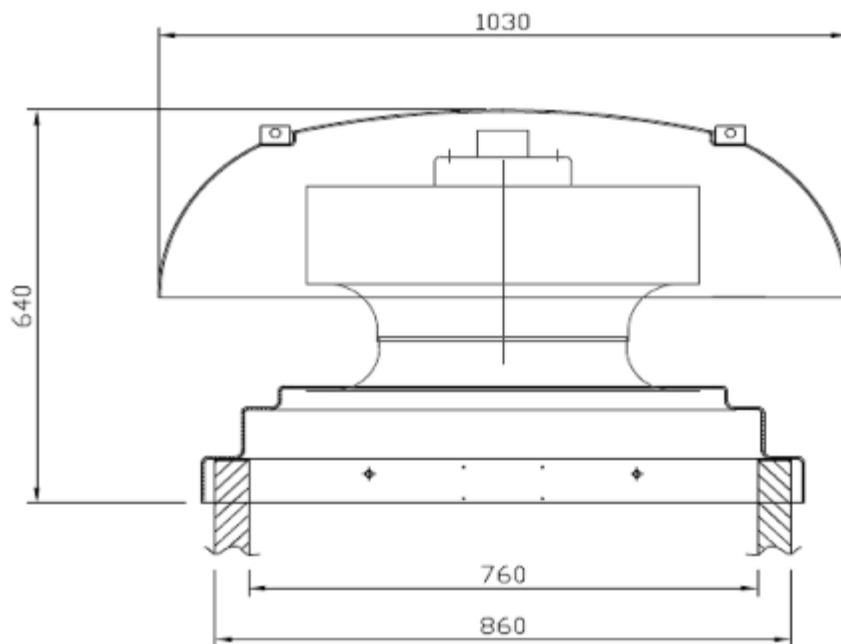
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.20 Kw
Power Supply 400V/3PH/50Hz
Speed 1340 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	600	1.20	50	72	78	72	70	64	59	57	61	51
1155	446	0.77	43	69	75	69	67	61	56	54	58	48
1000	334	0.50	37	66	72	66	64	58	53	51	55	45
838	234	0.29	31	62	68	62	60	54	49	47	51	41
670	150	0.15	25	57	63	57	55	49	44	42	46	36



Roof Centrifugal Downflow Fan

PSC-5061



Impeller

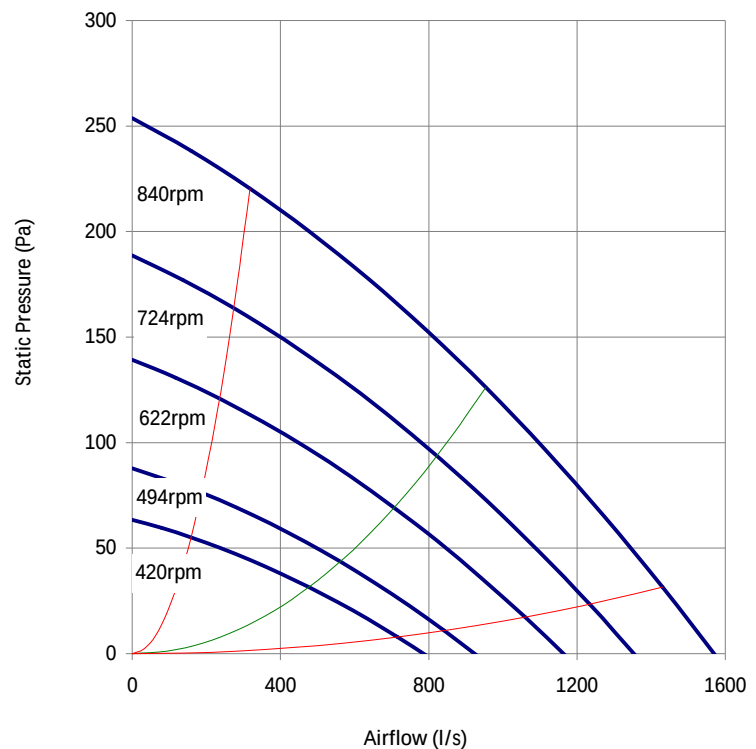
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

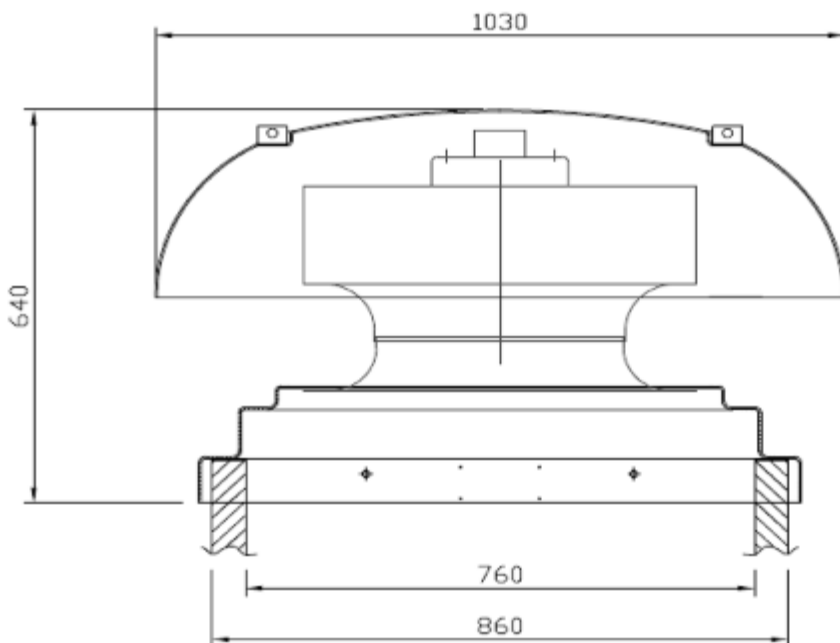
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.38 Kw
Power Supply 230V/1PH/50Hz
Speed 840 RPM
FLC 1.65 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
840	254	0.38	230	64	70	64	62	56	51	49	53	43
724	189	0.24	200	61	67	61	59	53	48	46	50	40
622	139	0.15	170	57	63	57	55	49	44	42	46	36
494	88	0.08	130	52	58	52	50	44	39	37	41	31
420	63	0.05	110	49	55	49	47	41	36	34	38	28



Roof Centrifugal Downflow Fan

PSC-5063



Impeller

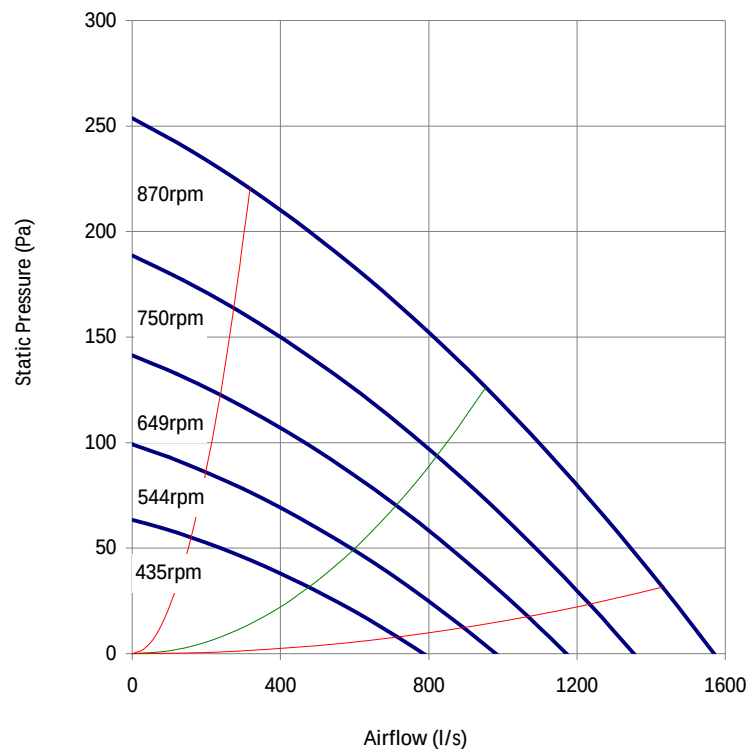
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

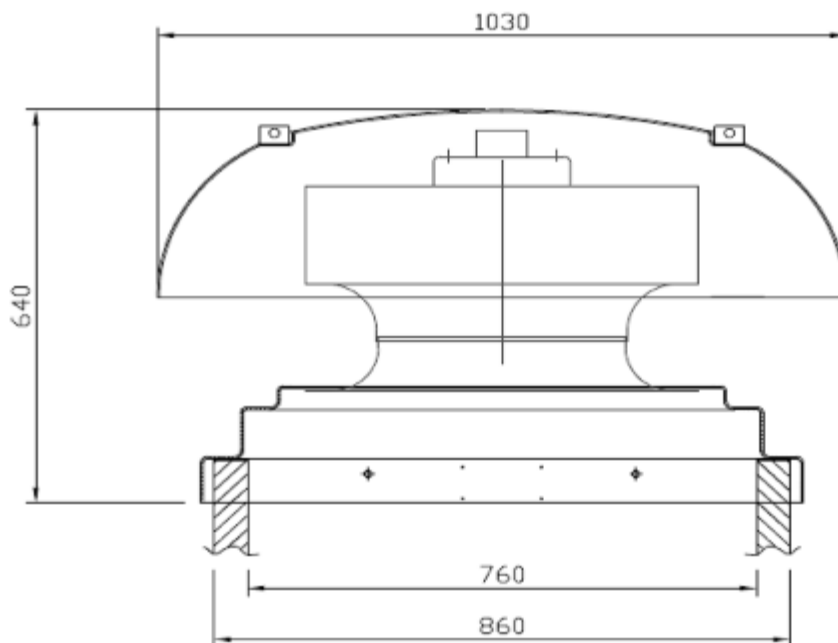
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.42 Kw
Power Supply 400V/3PH/50Hz
Speed 870 RPM
FLC 0.93 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	254	0.42	50	64	70	64	62	56	51	49	53	43
750	189	0.27	43	61	67	61	59	53	48	46	50	40
649	141	0.17	37	58	64	58	56	50	45	43	47	37
544	99	0.10	31	54	60	54	52	46	41	39	43	33
435	63	0.05	25	49	55	49	47	41	36	34	38	28



Roof Centrifugal Downflow Fan

PSC-5643



Impeller

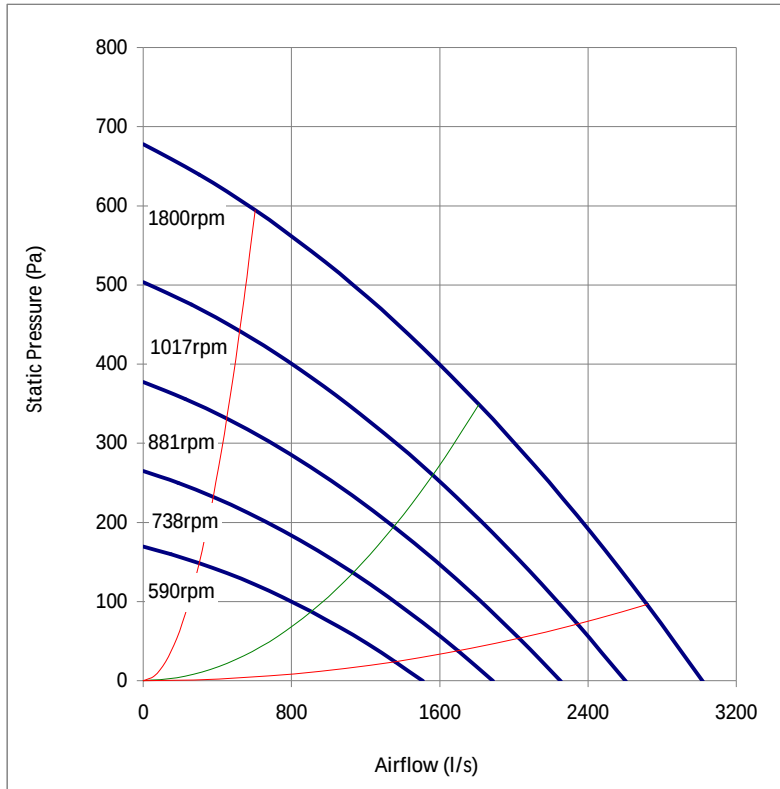
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

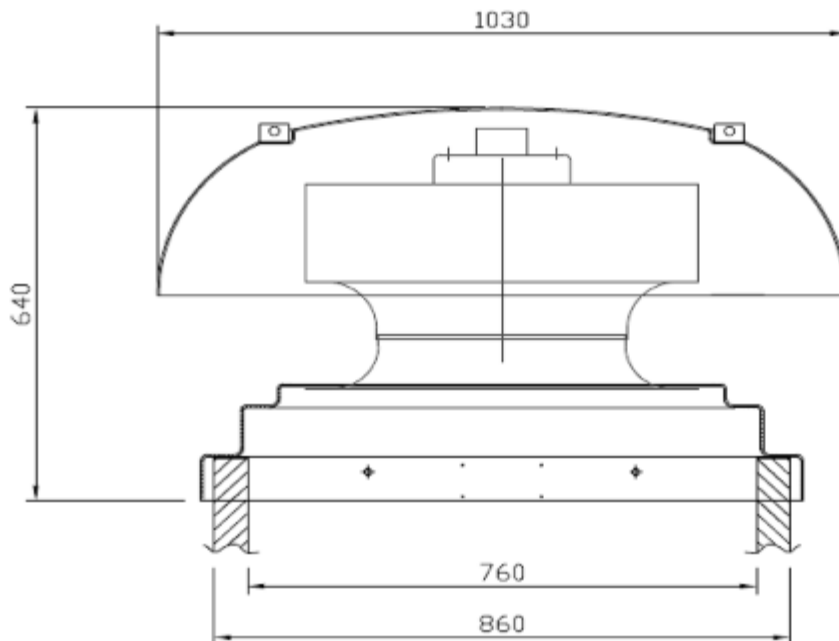
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.70 Kw
Power Supply 400V/3PH/50Hz
Speed 1180 RPM
FLC 3.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1180	678	1.70	50	70	80	73	68	63	58	56	62	52
1017	504	1.09	43	67	77	70	65	60	55	53	59	49
881	377	0.71	37	64	74	67	62	57	52	50	56	46
738	265	0.42	31	60	70	63	58	53	48	46	52	42
590	169	0.21	25	55	65	58	53	48	43	41	47	37



Roof Centrifugal Downflow Fan

PSC-5661



Impeller

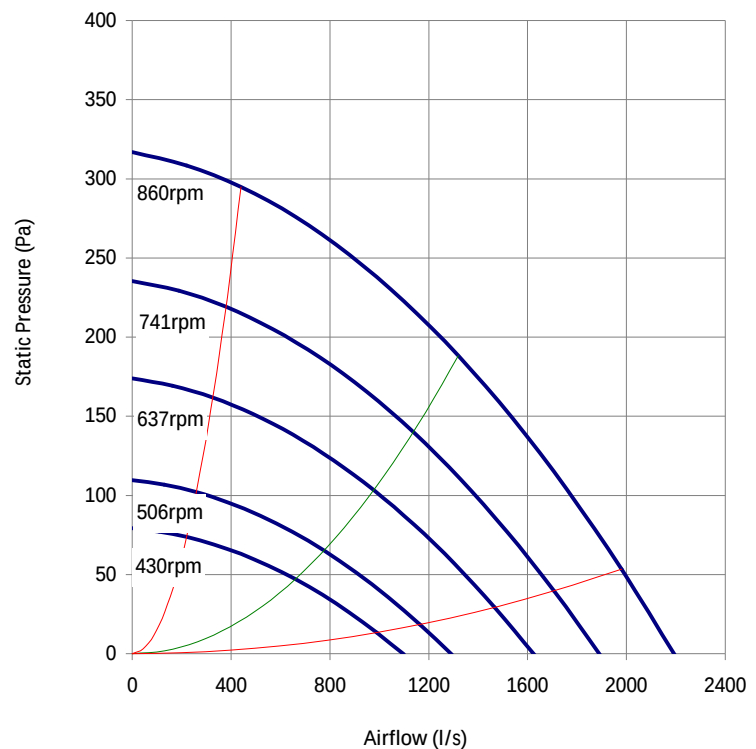
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

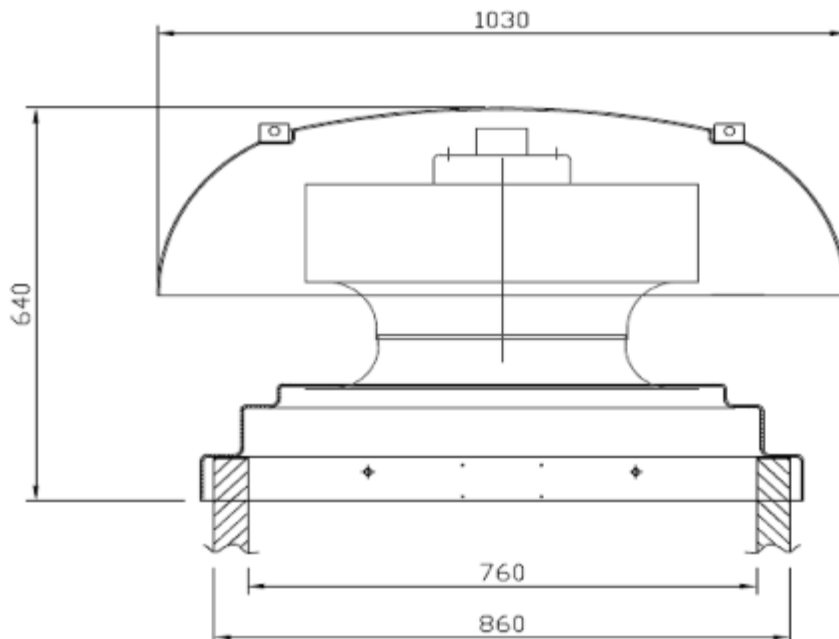
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.66 Kw
Power Supply 230V/1PH/50Hz
Speed 860 RPM
FLC 3.00 A
Capacitor 14 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
860	317	0.66	230	63	73	66	61	56	51	49	55	44
741	235	0.42	200	60	70	63	58	53	48	46	52	41
637	174	0.27	170	56	66	59	54	49	44	42	48	37
506	110	0.13	130	51	61	54	49	44	39	37	43	32
430	79	0.08	110	48	58	51	46	41	36	34	40	29



Roof Centrifugal Downflow Fan

PSC-5663



Impeller

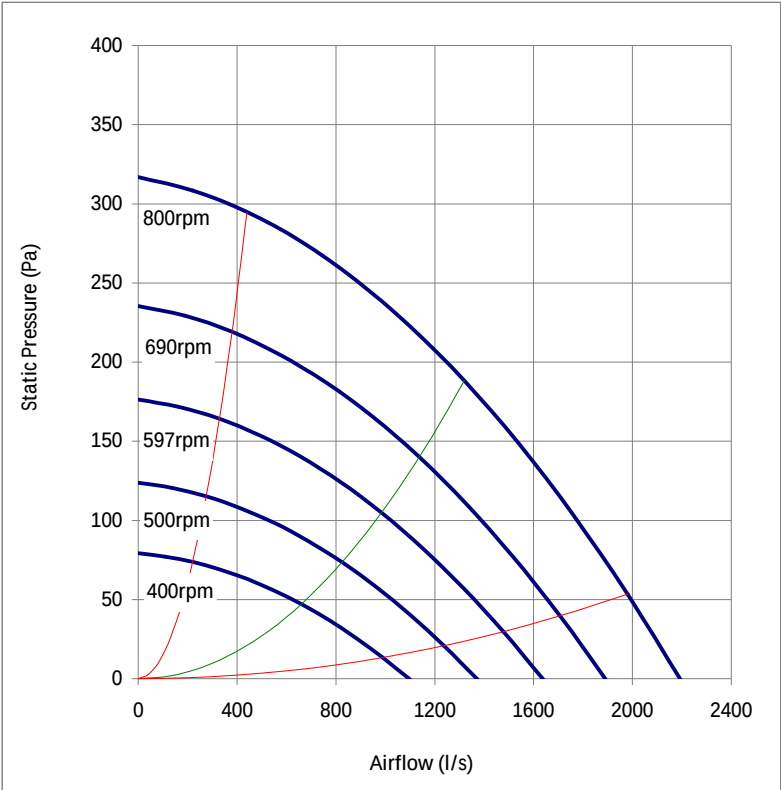
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

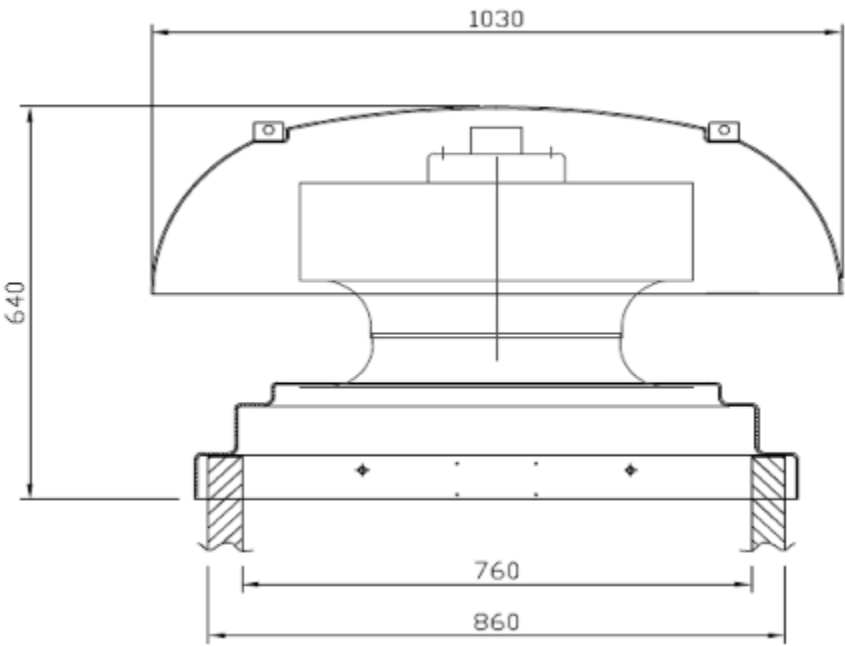
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.61 Kw
Power Supply 400V/3PH/50Hz
Speed 800 RPM
FLC 1.05 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
800	317	0.61	50	63	73	66	61	56	51	49	55	44
690	235	0.39	43	60	70	63	58	53	48	46	52	41
597	176	0.25	37	57	67	60	55	50	45	43	49	38
500	124	0.15	31	53	63	56	51	46	41	39	45	34
400	79	0.08	25	48	58	51	46	41	36	34	40	29



Roof Centrifugal Downflow Fan

PSC-6343



Impeller

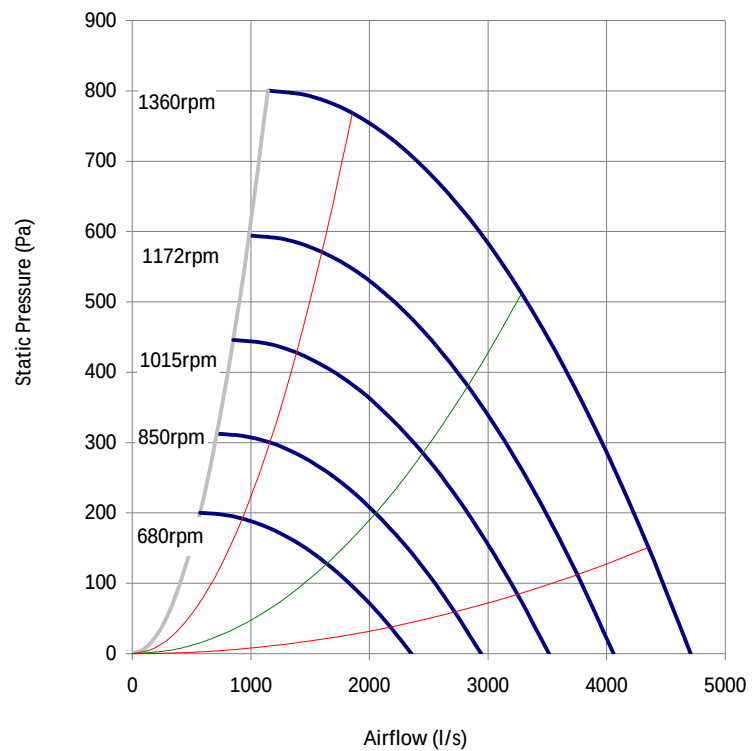
Size 630 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

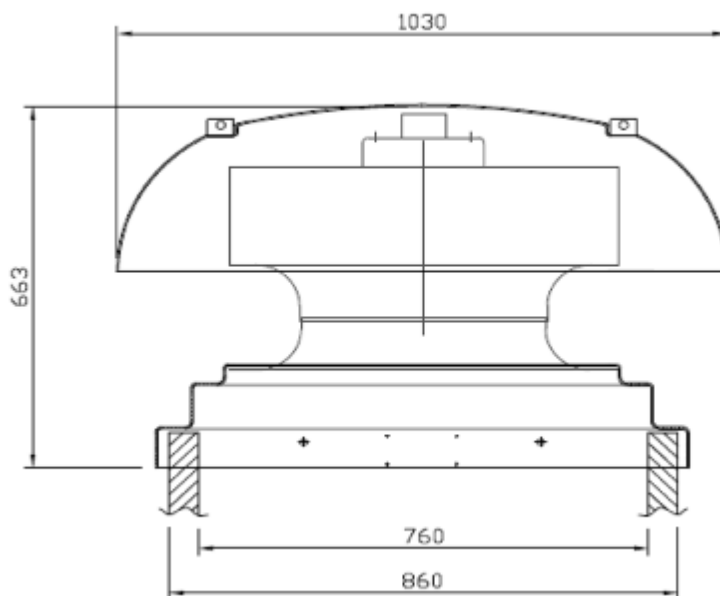
Type External Rotor
IP Rating 54
Insulation Class 155
Power 3.90 Kw
Power Supply 400V/3PH/50Hz
Speed 1360 RPM
FLC 6.60 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 55 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1360	800	3.90	50	81	86	82	77	78	72	69	64	60
1172	595	2.50	43	78	83	79	74	75	69	66	61	57
1015	446	1.62	37	75	80	76	71	72	66	63	58	54
850	313	0.95	31	71	76	72	67	68	62	59	54	50
680	200	0.49	25	66	71	67	62	63	57	54	49	45



Roof Centrifugal Downflow Fan

PSC-6363



Impeller

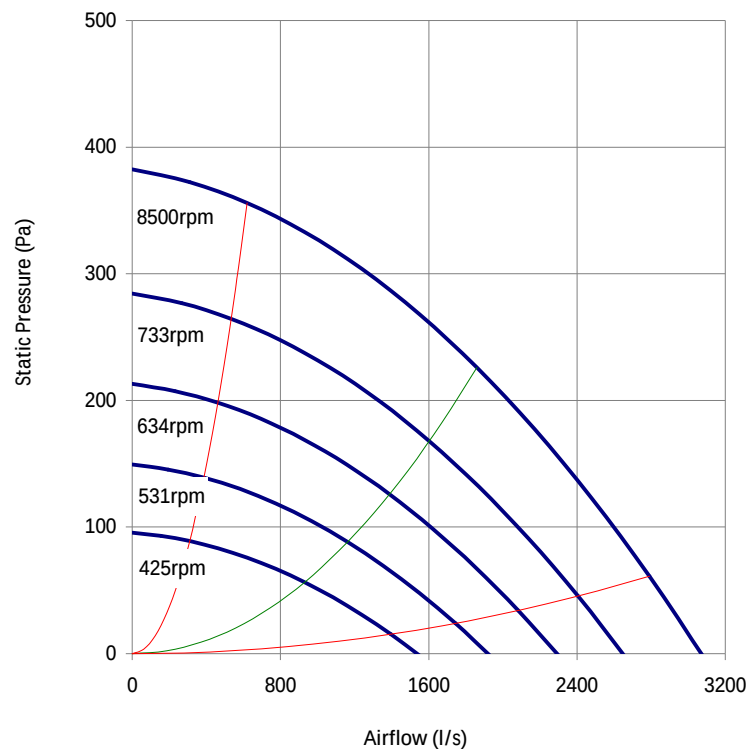
Size 630 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

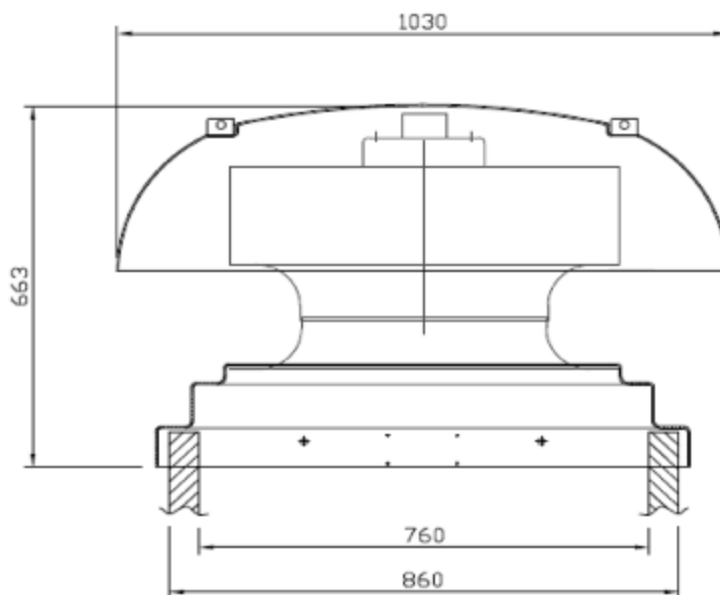
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 850 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 55 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
850	383	1.10	50	73	78	74	69	70	64	61	56	53
733	284	0.70	43	70	75	71	66	67	61	58	53	50
634	213	0.46	37	67	72	68	63	64	58	55	50	47
531	149	0.27	31	63	68	64	59	60	54	51	46	43
425	96	0.14	25	58	63	59	54	55	49	46	41	38



DVCG

- ROOF VERTICAL DISCHARGE FAN
 - With External Rotor
 - Metal construction
 - For kitchen extract

SPECIFICATION

Sizes

350, 400, 450, 500, 560, 630mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

Ziehl-Abegg external rotor low noise high efficiency centrifugal fan with profiled blades. The impellers are manufactured from aluminium material and balanced according to ISO1940.

MOTORS

Ziehl-Abegg asynchronous external rotor motors. Motor enclosure to feature IP54 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

Casing

The windband and base of the fans are of galvanised steel, suitable for kitchen extract application



Ziehl-Abegg RH-M external rotor

Vertical Discharge Metal Centrifugal Fan

DVCG3541



Impeller

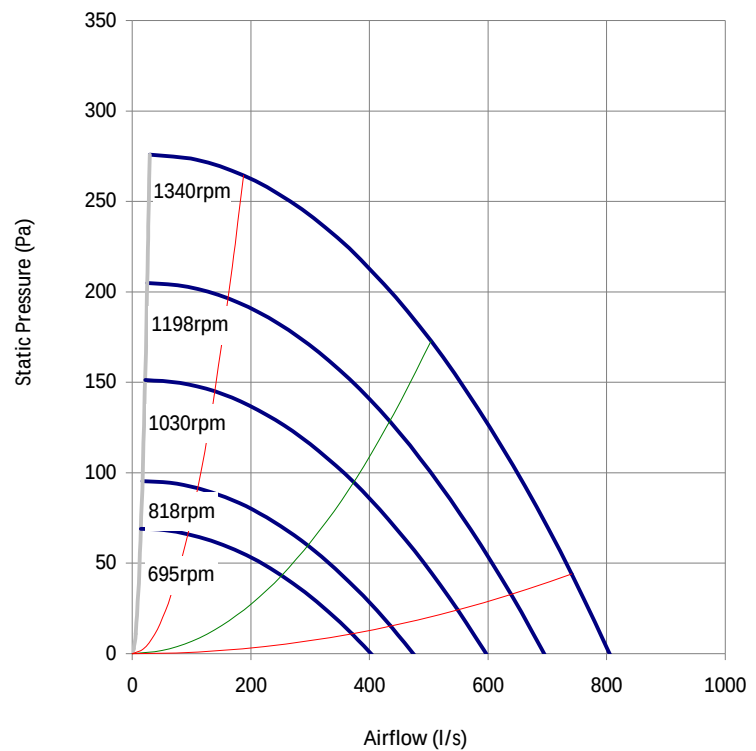
Size 350 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

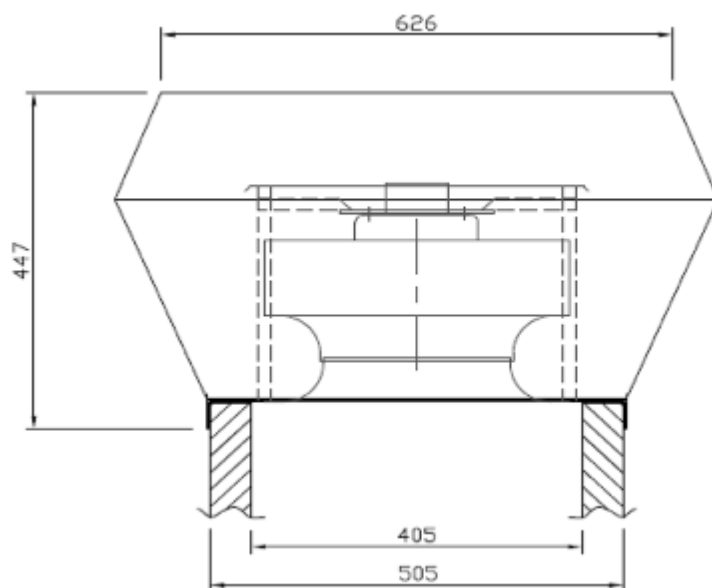
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.27 Kw
Power Supply 230V/1PH/50Hz
Speed 1390 RPM
FLC 1.3 A
Capacitor 6 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	276	0.27	230	66	70	62	59	56	51	53	51	41
1198	205	0.17	200	63	67	59	56	53	48	50	48	38
1030	151	0.11	170	59	63	55	52	49	44	46	44	34
818	95	0.05	130	54	58	50	47	44	39	41	39	29
695	69	0.03	110	51	55	47	44	41	36	38	36	26



Vertical Discharge Metal Centrifugal Fan

DVCG-3543



Impeller

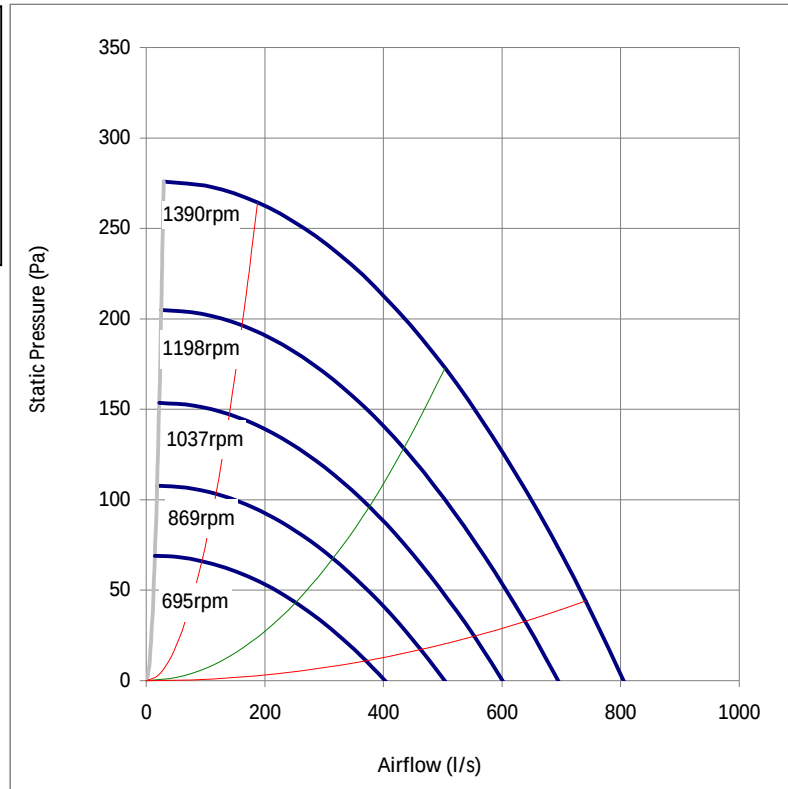
Size 350 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

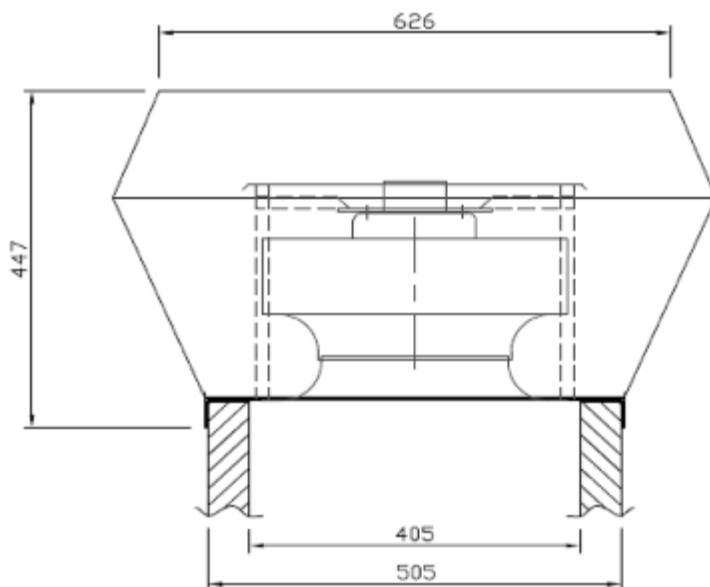
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.24 Kw
Power Supply 400V/3PH/50Hz
Speed 1390 RPM
FLC 0.47 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	276	0.24	50	66	70	62	59	56	51	53	51	41
1198	205	0.15	43	63	67	59	56	53	48	50	48	38
1037	154	0.10	37	60	64	56	53	50	45	47	45	35
869	108	0.06	31	56	60	52	49	46	41	43	41	31
695	69	0.03	25	51	55	47	44	41	36	38	36	26



Vertical Discharge Metal Centrifugal Fan

DVCG-4041



Impeller

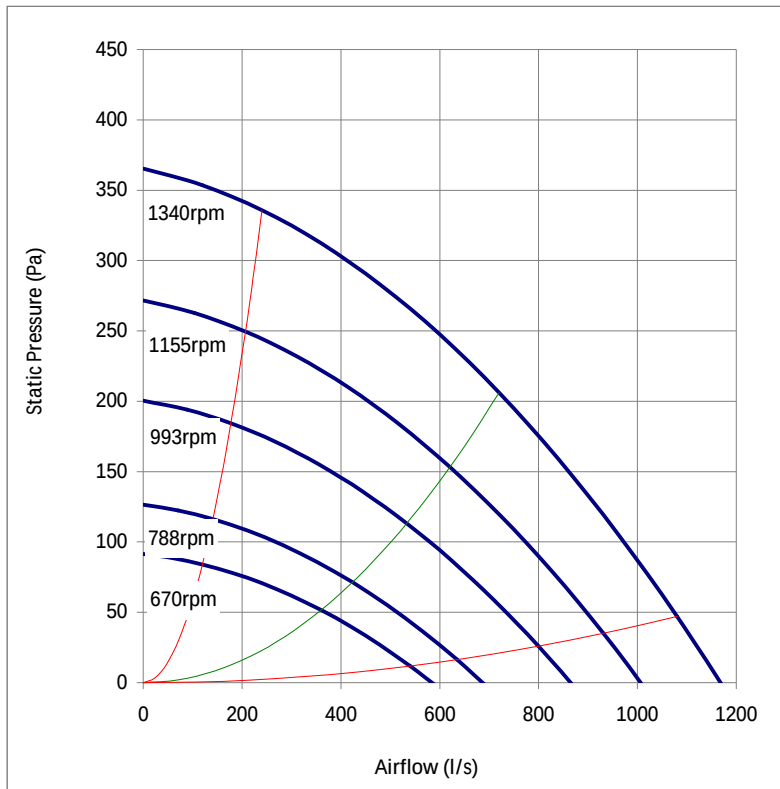
Size 400 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

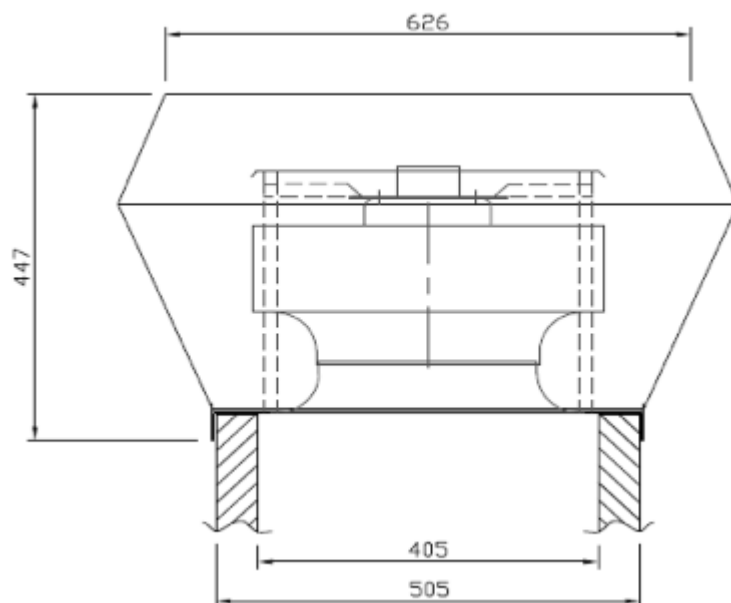
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.49 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 2.5 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 45 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	365	0.49	230	63	68	63	62	55	52	48	53	42
1155	272	0.31	200	60	65	60	59	52	49	45	50	39
993	200	0.20	170	56	61	56	55	48	45	41	46	35
788	126	0.10	130	51	56	51	50	43	40	36	41	30
670	91	0.06	110	48	53	48	47	40	37	33	38	27



Vertical Discharge Metal Centrifugal Fan

DVCG-4043



Impeller

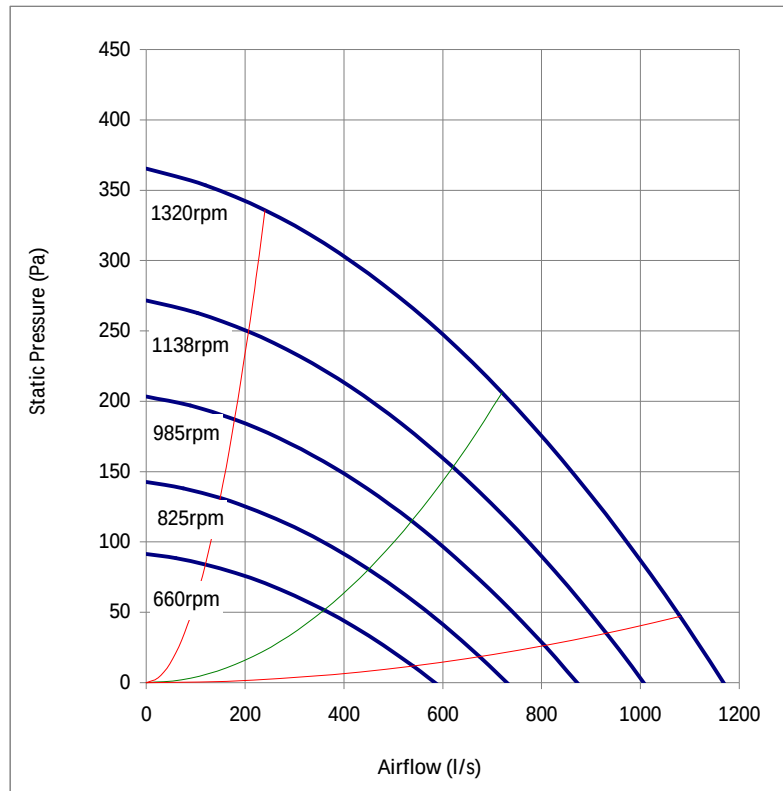
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

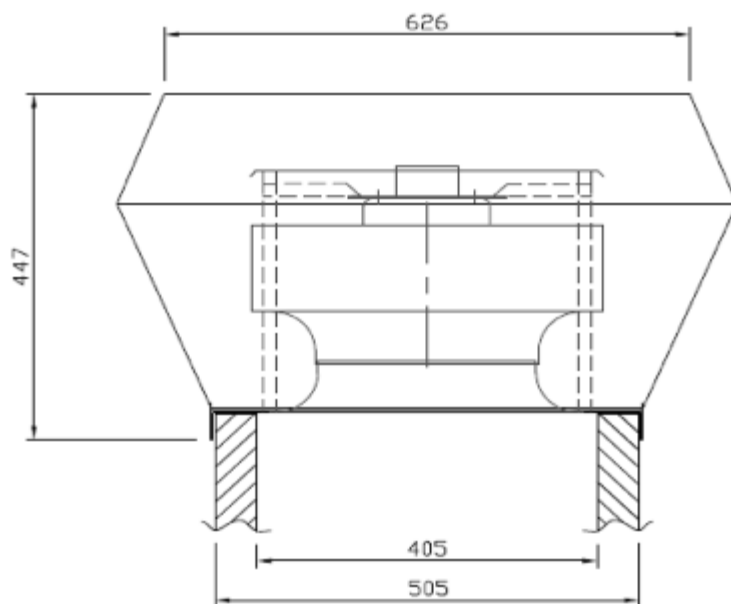
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.44 Kw
Power Supply 400V/3PH/50Hz
Speed 1320 RPM
FLC 2.5 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 45 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1320	365	0.44	50	63	68	63	62	55	52	48	53	42
1138	272	0.28	43	60	65	60	59	52	49	45	50	39
985	203	0.18	37	57	62	57	56	49	46	42	47	36
825	143	0.11	31	53	58	53	52	45	42	38	43	32
660	91	0.06	25	48	53	48	47	40	37	33	38	27



Vertical Discharge Metal Centrifugal Fan

DVCG-4541



Impeller

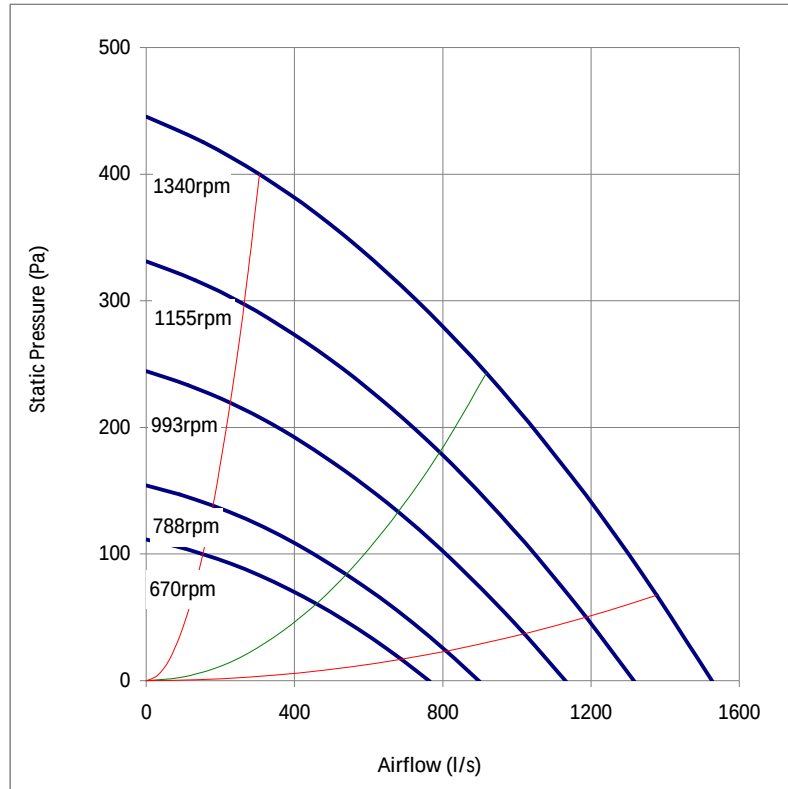
Size 450 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

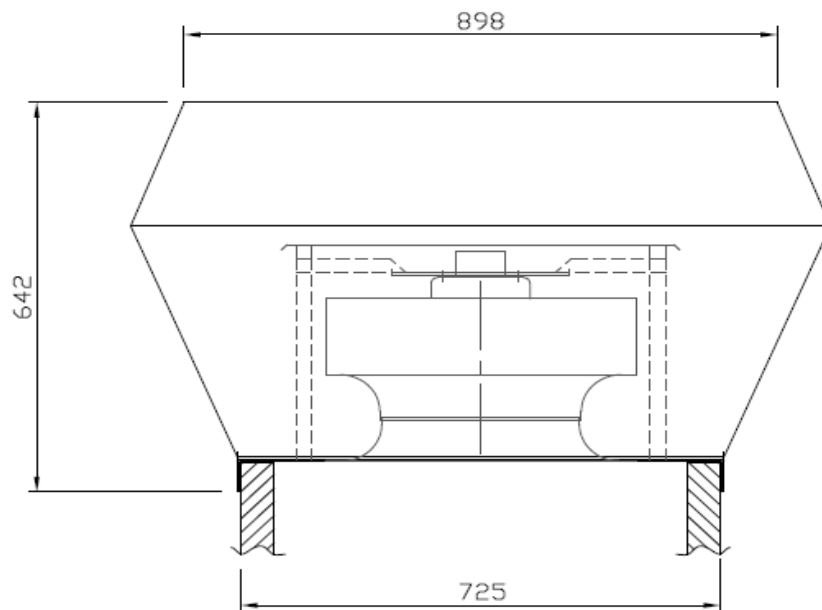
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.77 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 3.60 A
Capacitor 20 µF
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 57 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	446	0.77	230	68	71	71	64	57	53	49	51	48
1155	331	0.49	200	65	68	68	61	54	50	46	48	45
993	244	0.31	170	61	64	64	57	50	46	42	44	41
788	154	0.16	130	56	59	59	52	45	41	37	39	36
670	111	0.10	110	53	56	56	49	42	38	34	36	33



Vertical Discharge Metal Centrifugal Fan

DVCG-4543



Impeller

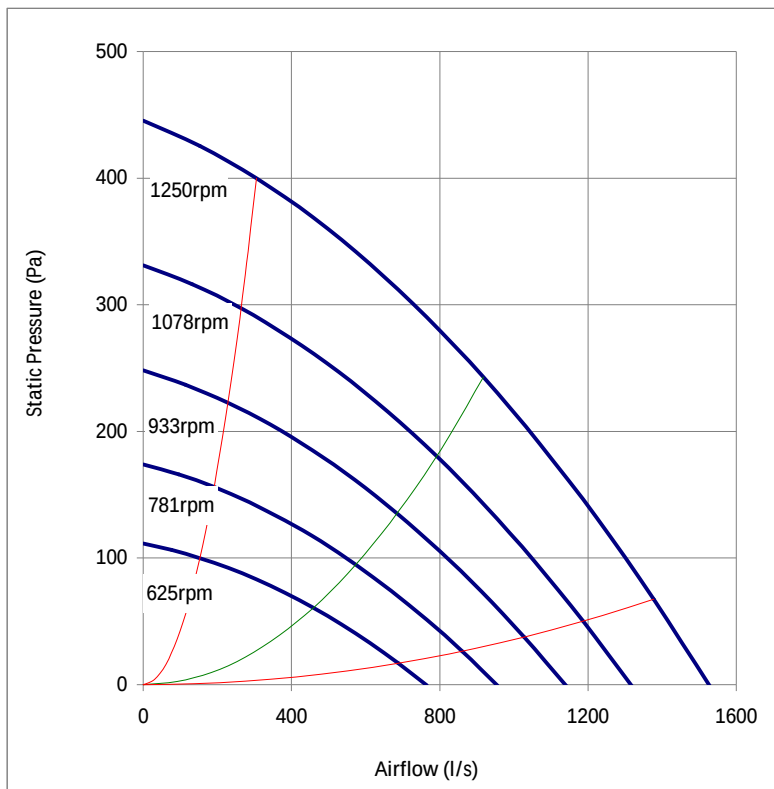
Size 450 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

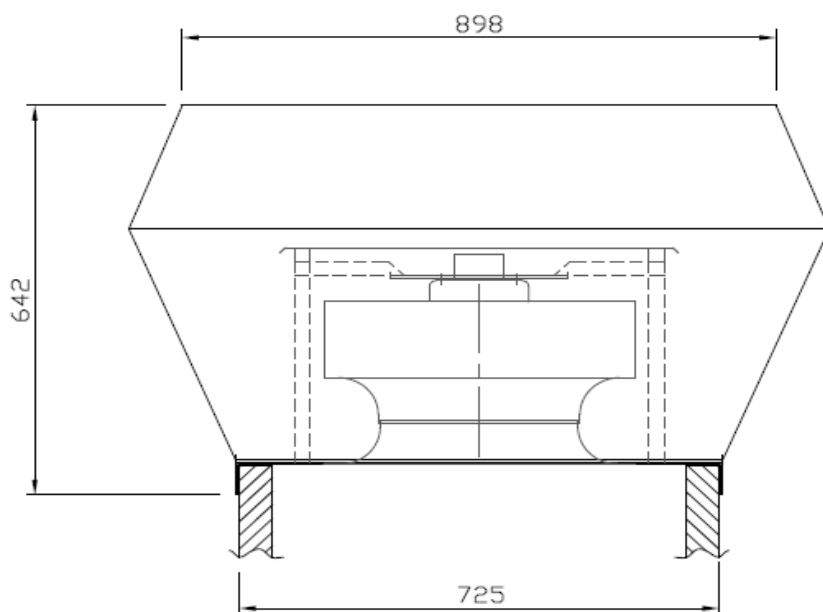
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.65 Kw
Power Supply 400V/3PH/50Hz
Speed 1250 RPM
FLC 1.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 57 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1250	446	0.65	50	68	71	71	64	57	53	49	51	48
1078	331	0.42	43	65	68	68	61	54	50	46	48	45
933	248	0.27	37	62	65	65	58	51	47	43	45	42
781	174	0.16	31	58	61	61	54	47	43	39	41	38
625	111	0.08	25	53	56	56	49	42	38	34	36	33



Vertical Discharge Metal Centrifugal Fan

DVCG-5041



Impeller

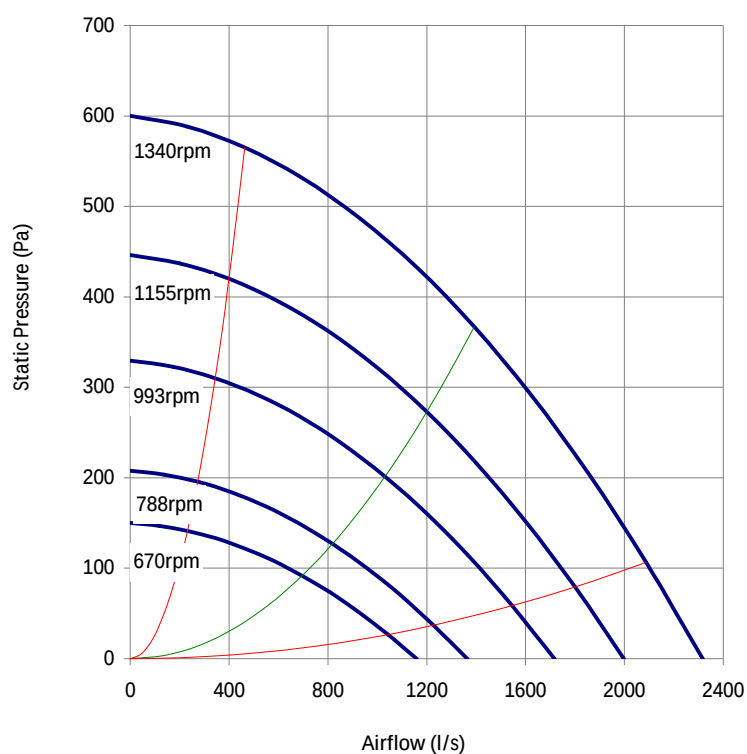
Size 500 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

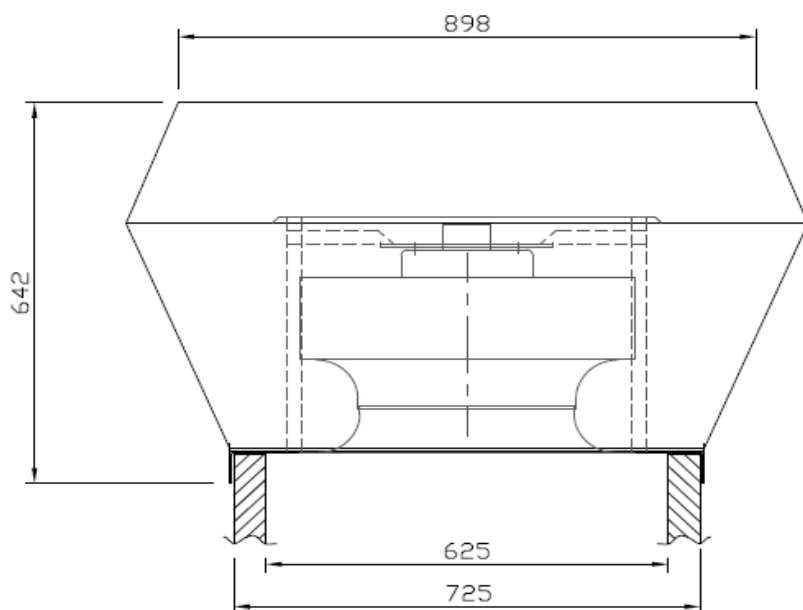
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.30 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 5.80 A
Capacitor 30 µF
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	600	1.30	230	72	78	72	70	64	59	57	61	51
1155	446	0.83	200	69	75	69	67	61	56	54	58	48
993	329	0.53	170	65	71	65	63	57	52	50	54	44
788	208	0.26	130	60	66	60	58	52	47	45	49	39
670	150	0.16	110	57	63	57	55	49	44	42	46	36



Vertical Discharge Metal Centrifugal Fan

DVCG-5043



Impeller

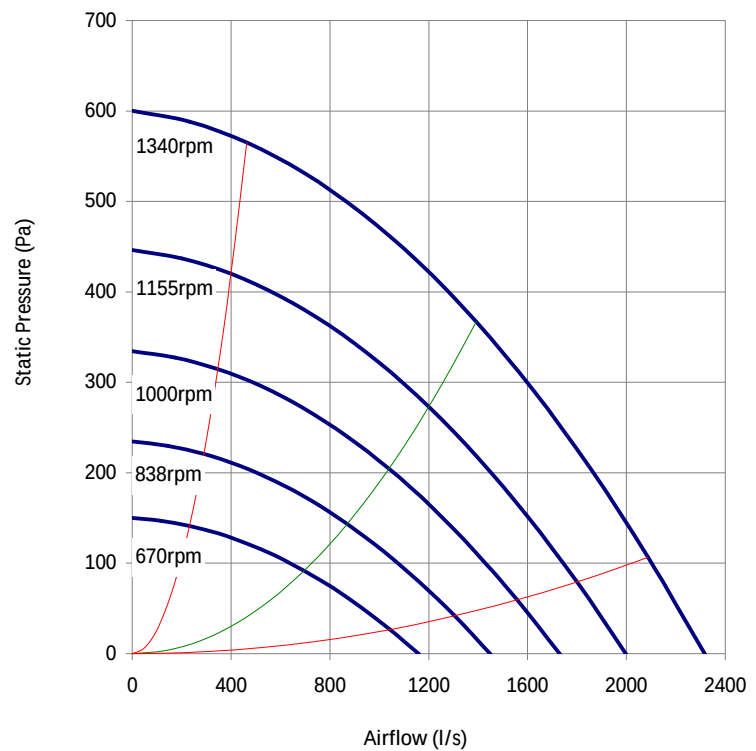
Size 500 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

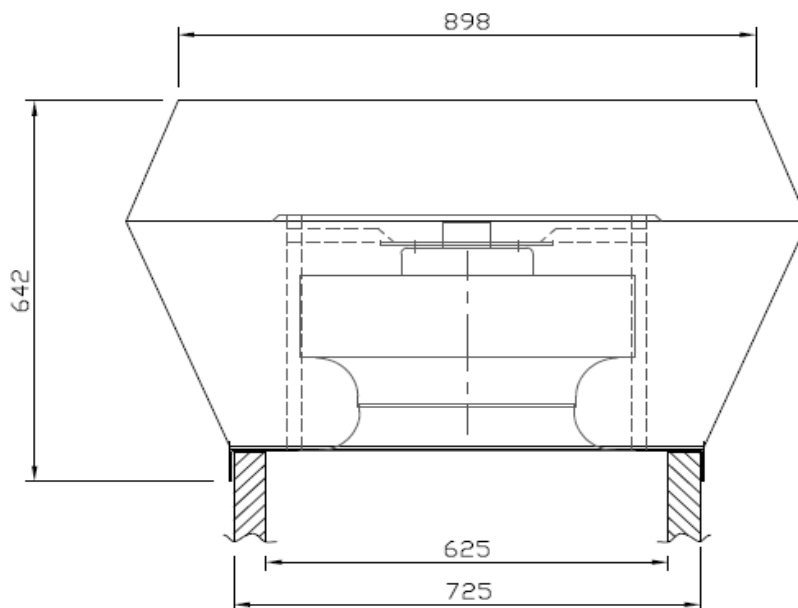
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.20 Kw
Power Supply 400V/3PH/50Hz
Speed 1340 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	600	1.20	50	72	78	72	70	64	59	57	61	51
1155	446	0.77	43	69	75	69	67	61	56	54	58	48
1000	334	0.50	37	66	72	66	64	58	53	51	55	45
838	234	0.29	31	62	68	62	60	54	49	47	51	41
670	150	0.15	25	57	63	57	55	49	44	42	46	36



Vertical Discharge Metal Centrifugal Fan

DVCG-5061



Impeller

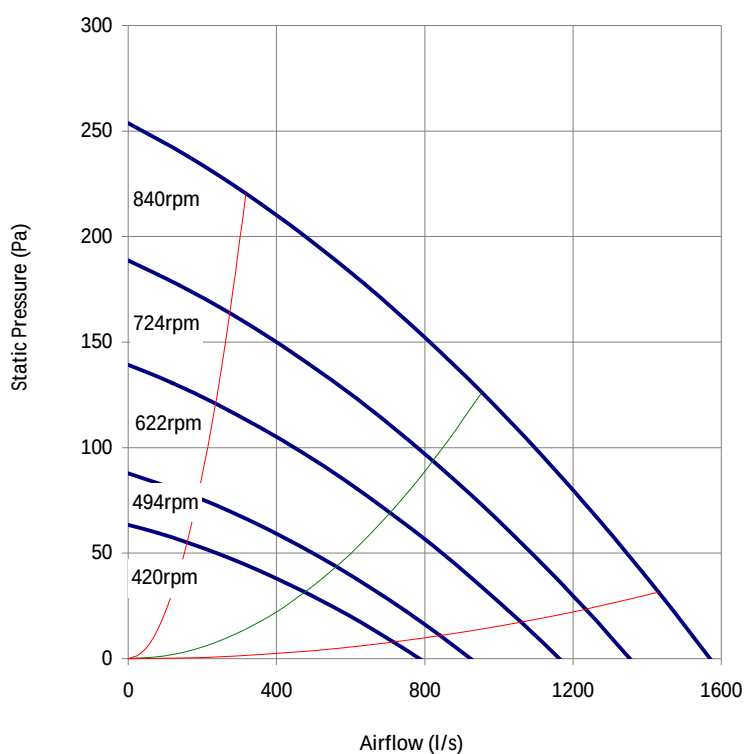
Size 500 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

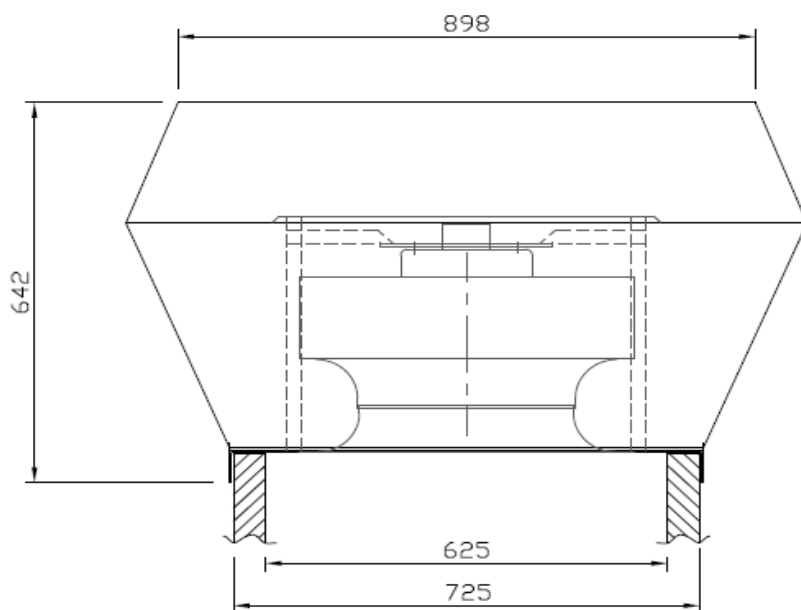
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.38 Kw
Power Supply 230V/1PH/50Hz
Speed 840 RPM
FLC 1.65 A
Capacitor 12 µF
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange MEZZ 130
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
840	254	0.38	230	64	70	64	62	56	51	49	53	43
724	189	0.24	200	61	67	61	59	53	48	46	50	40
622	139	0.15	170	57	63	57	55	49	44	42	46	36
494	88	0.08	130	52	58	52	50	44	39	37	41	31
420	63	0.05	110	49	55	49	47	41	36	34	38	28



Vertical Discharge Metal Centrifugal Fan

DVCG-5063



Impeller

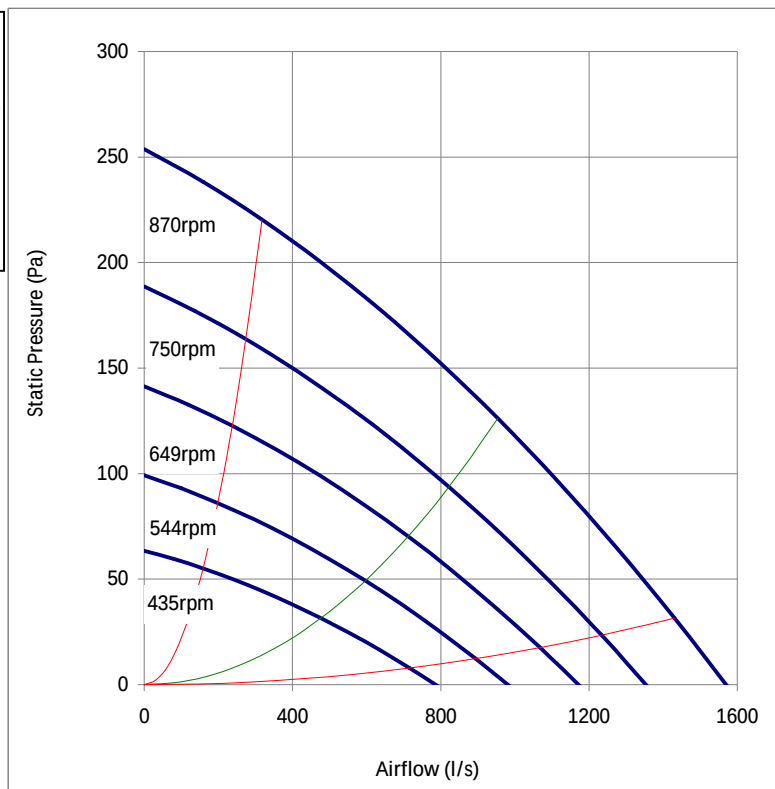
Size 500 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

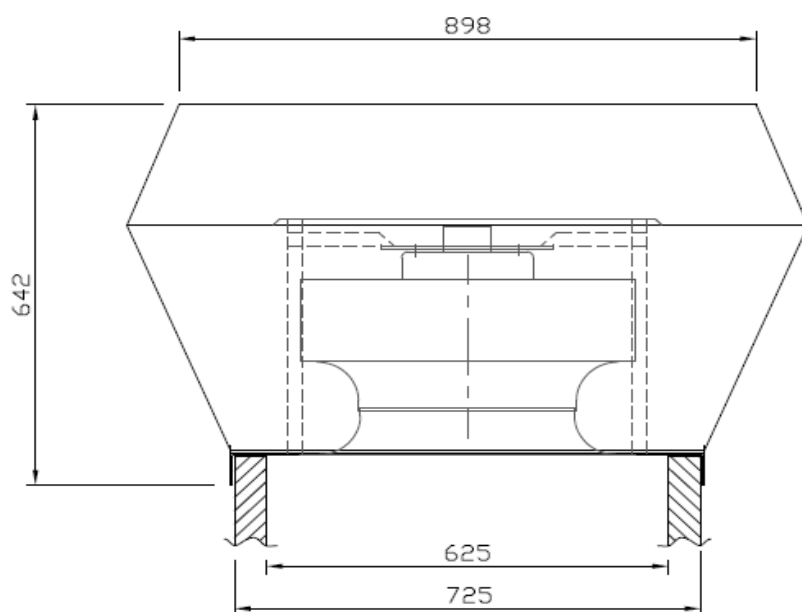
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.42 Kw
Power Supply 400V/3PH/50Hz
Speed 870 RPM
FLC 0.93 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	254	0.42	50	64	70	64	62	56	51	49	53	43
750	189	0.27	43	61	67	61	59	53	48	46	50	40
649	141	0.17	37	58	64	58	56	50	45	43	47	37
544	99	0.10	31	54	60	54	52	46	41	39	43	33
435	63	0.05	25	49	55	49	47	41	36	34	38	28



Vertical Discharge Metal Centrifugal Fan

DVCG-5643



Impeller

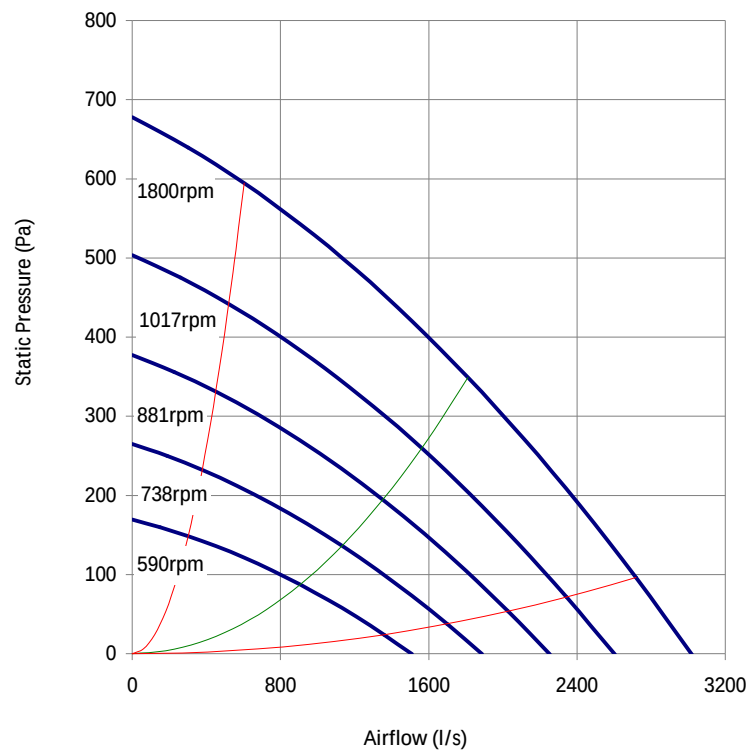
Size 560 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

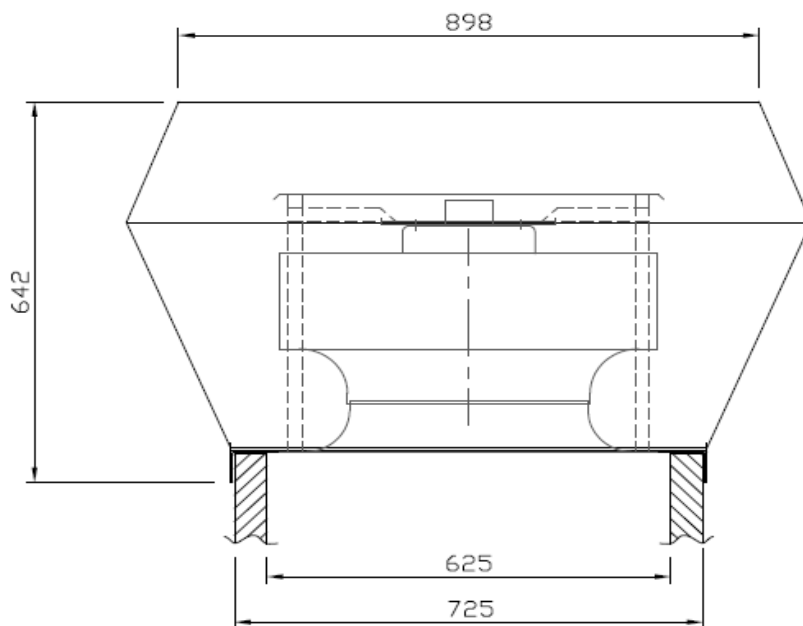
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.70 Kw
Power Supply 400V/3PH/50Hz
Speed 1180 RPM
FLC 3.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 85 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1180	678	1.70	50	70	80	73	68	63	58	56	62	52
1017	504	1.09	43	67	77	70	65	60	55	53	59	49
881	377	0.71	37	64	74	67	62	57	52	50	56	46
738	265	0.42	31	60	70	63	58	53	48	46	52	42
590	169	0.21	25	55	65	58	53	48	43	41	47	37



Vertical Discharge Metal Centrifugal Fan

DVCG-5661



Impeller

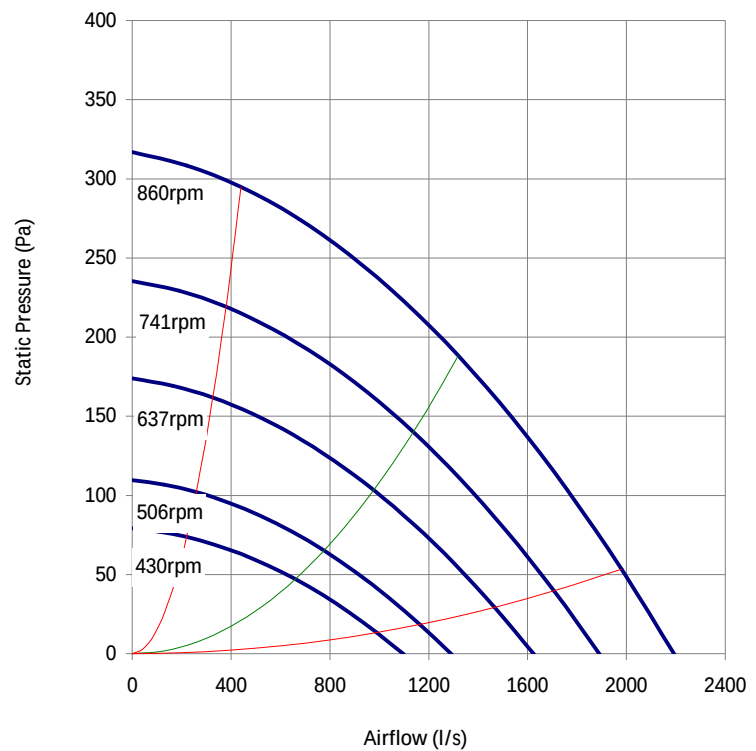
Size 560 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

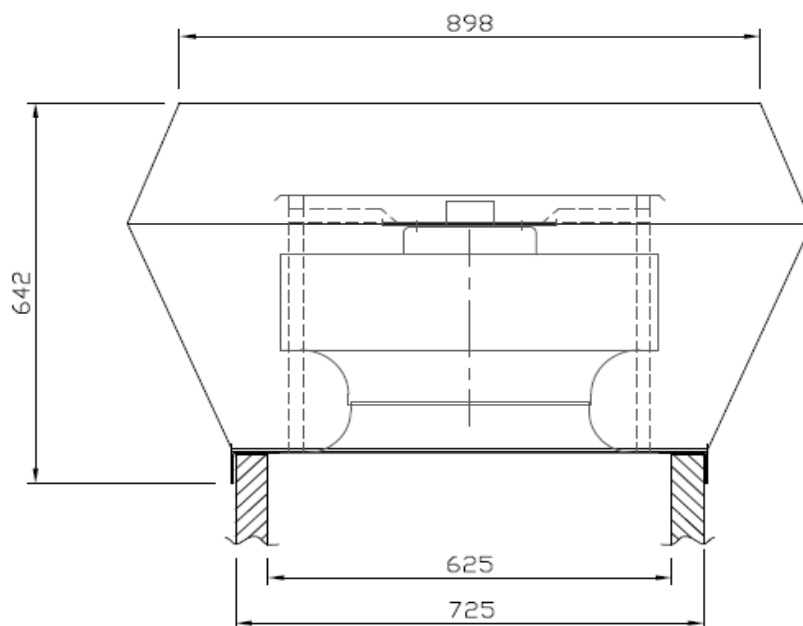
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.66 Kw
Power Supply 230V/1PH/50Hz
Speed 860 RPM
FLC 3.00 A
Capacitor 14 µF
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 85 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
860	317	0.66	230	63	73	66	61	56	51	49	55	44
741	235	0.42	200	60	70	63	58	53	48	46	52	41
637	174	0.27	170	56	66	59	54	49	44	42	48	37
506	110	0.13	130	51	61	54	49	44	39	37	43	32
430	79	0.08	110	48	58	51	46	41	36	34	40	29



Vertical Discharge Metal Centrifugal Fan

DVCG-5663



Impeller

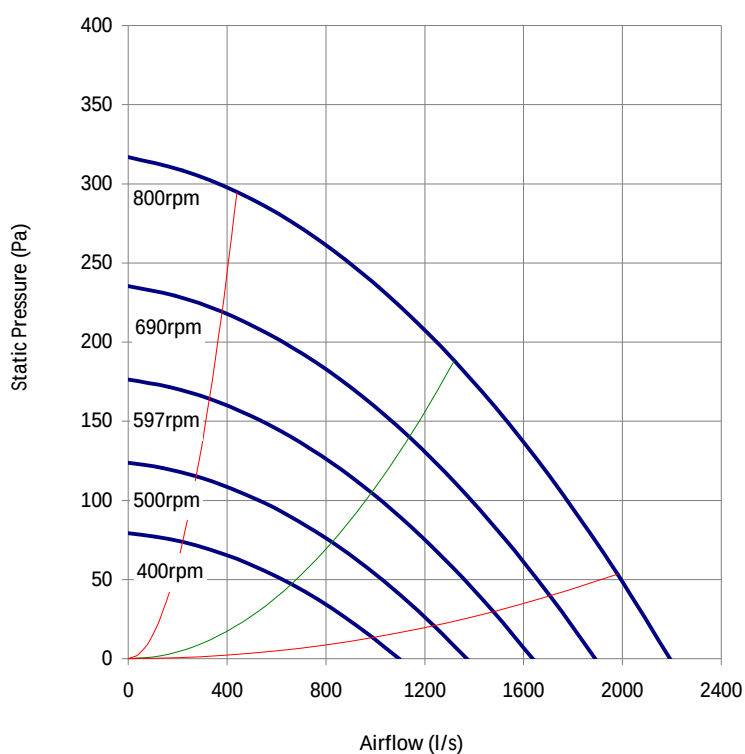
Size 560 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

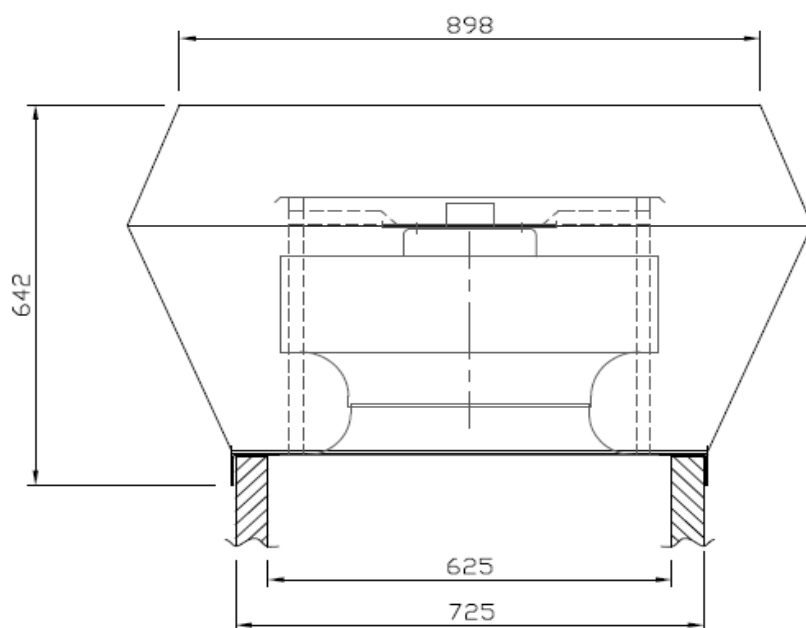
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.61 Kw
Power Supply 400V/3PH/50Hz
Speed 800 RPM
FLC 1.05 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 85 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
800	317	0.61	50	63	73	66	61	56	51	49	55	44
690	235	0.39	43	60	70	63	58	53	48	46	52	41
597	176	0.25	37	57	67	60	55	50	45	43	49	38
500	124	0.15	31	53	63	56	51	46	41	39	45	34
400	79	0.08	25	48	58	51	46	41	36	34	40	29



Vertical Discharge Metal Centrifugal Fan

DVCG-6343



Impeller

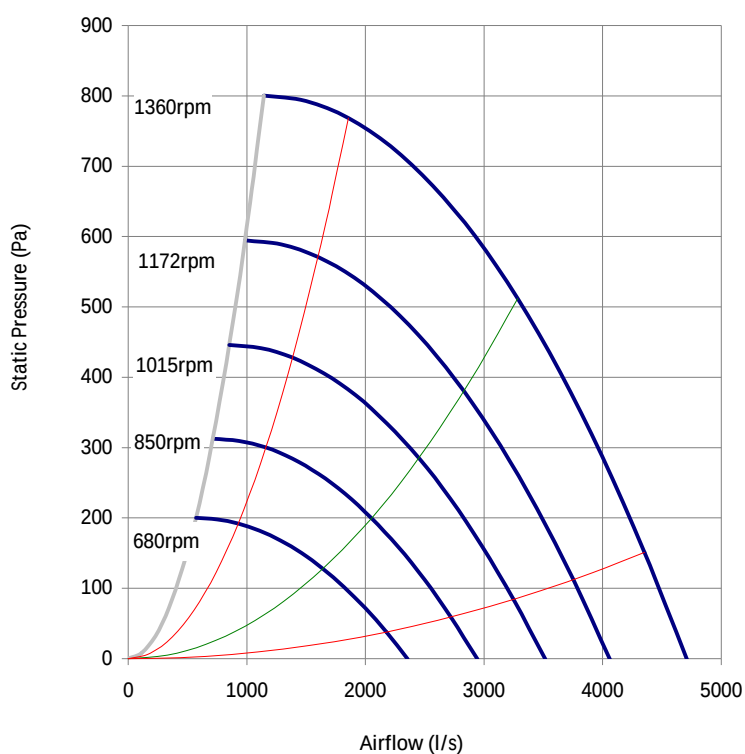
Size 630 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

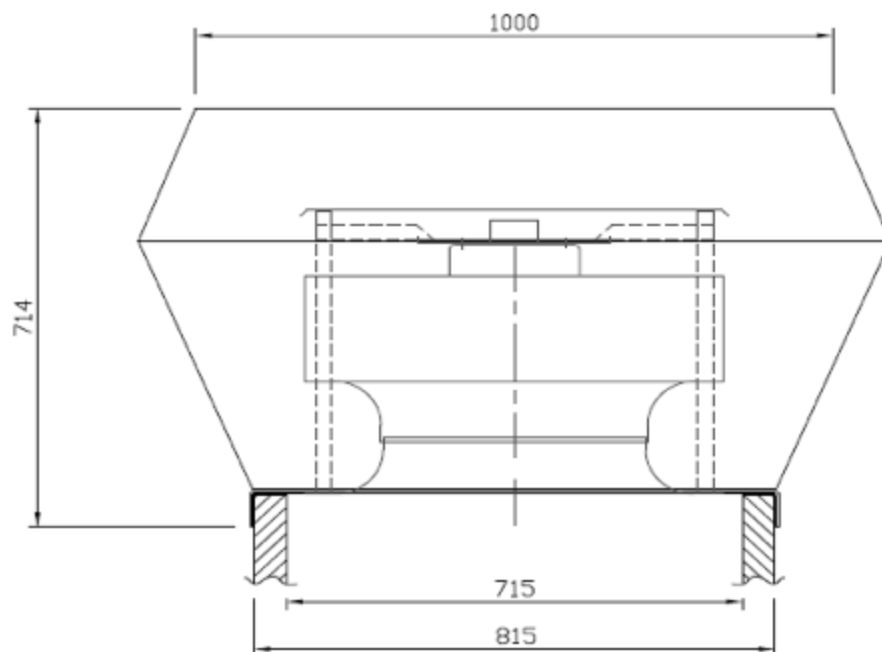
Type External Rotor
IP Rating 54
Insulation Class 155
Power 3.90 Kw
Power Supply 400V/3PH/50Hz
Speed 1360 RPM
FLC 6.60 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 95 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1360	800	3.90	50	81	86	82	77	78	72	69	64	60
1172	595	2.50	43	78	83	79	74	75	69	66	61	57
1015	446	1.62	37	75	80	76	71	72	66	63	58	54
850	313	0.95	31	71	76	72	67	68	62	59	54	50
680	200	0.49	25	66	71	67	62	63	57	54	49	45



Vertical Discharge Metal Centrifugal Fan

DVCG-6363



Impeller

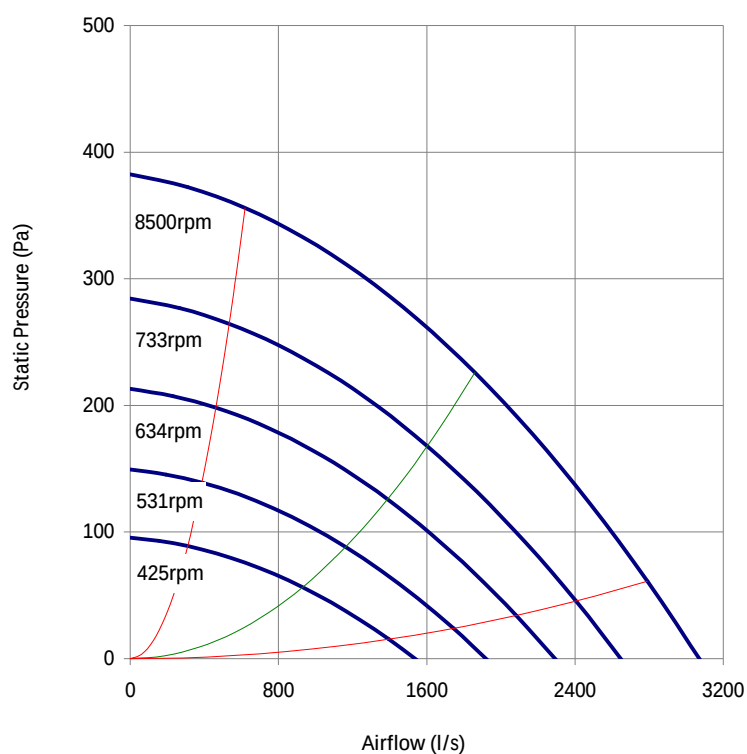
Size 630 mm
Type Backward Arefoil Curve
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

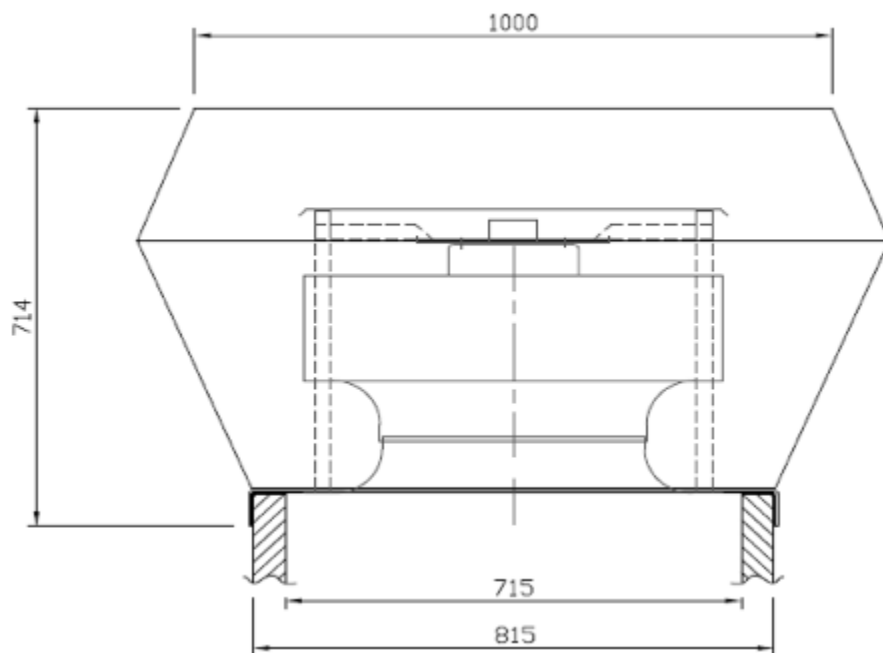
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 850 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Weight 95 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
850	383	1.10	50	73	78	74	69	70	64	61	56	53
733	284	0.70	43	70	75	71	66	67	61	58	53	50
634	213	0.46	37	67	72	68	63	64	58	55	50	47
531	149	0.27	31	63	68	64	59	60	54	51	46	43
425	96	0.14	25	58	63	59	54	55	49	46	41	38



UDC

-ROOF VERTICAL DISCHARGE FAN

- Motor outside Airstream
- Metal construction
- For kitchen extract

SPECIFICATION

Sizes

400, 450, 500, 560, 630mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development without stall

Impellers

Ziehl-Abegg "C" low noise high efficiency centrifugal fan with rotating diffusers and profiled blades. The impellers are manufactured from steel material and balanced according to ISO1940.

Motors

High efficiency Induction asynchronous motors IE2 or MEPS 2 compliances. Motor enclosure to feature IP55 protection and suitable for variable frequency drive operation. Motor winding insulation is to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Thermistors are provided as standard.

Casing

The windband and base of the fans are of galvanised steel, suitable for kitchen extract application

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745

Ziehl-Abegg "C" Wheel



Vertical Discharge Roof Centrifugal Units

UDC400-055



Impeller

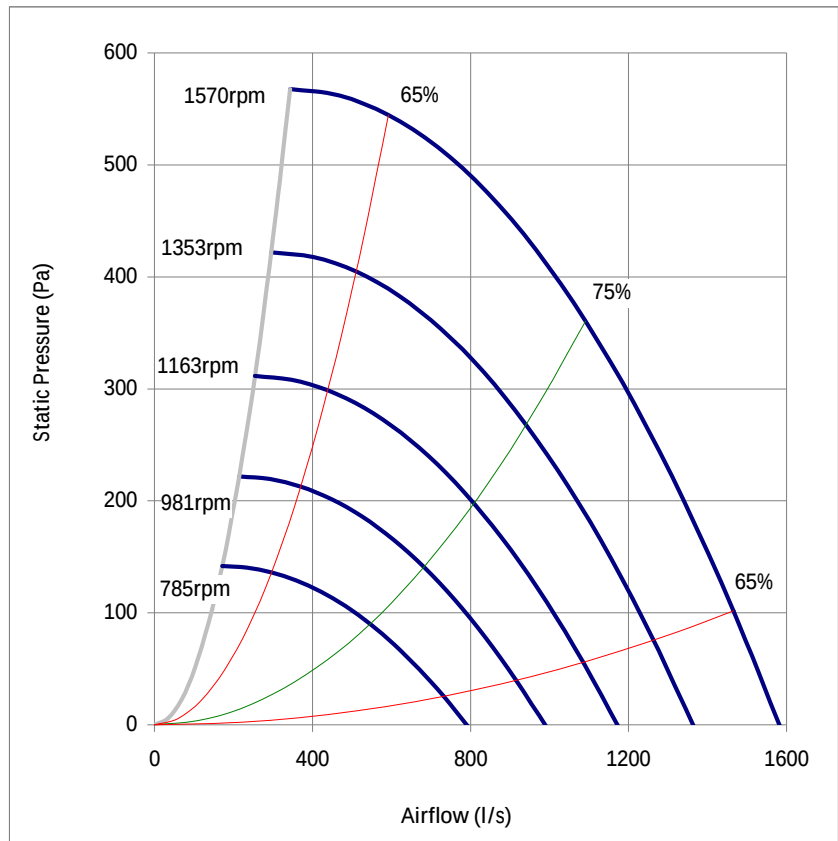
Size 400 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

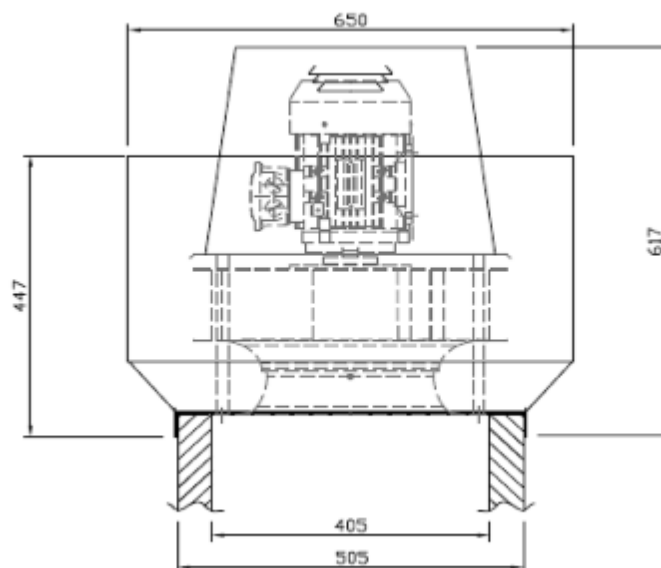
Type IE2
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 1410 RPM
FLC 1.58 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D80

Fan

Case Galvanise Steel
Weight 55 Kg
Max. Temp 50 °C
Max. Frequency 56 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1570	568	0.55	56	60	68	67	64	61	60	57	52	47
1353	422	0.35	48	57	65	64	61	58	57	54	49	44
1163	311	0.22	41	53	61	60	57	54	53	50	45	40
981	222	0.13	35	50	58	57	54	51	50	47	42	37
785	142	0.07	28	45	53	52	49	46	45	42	37	32



Vertical Discharge Roof Centrifugal Units

UDC400-150



Impeller

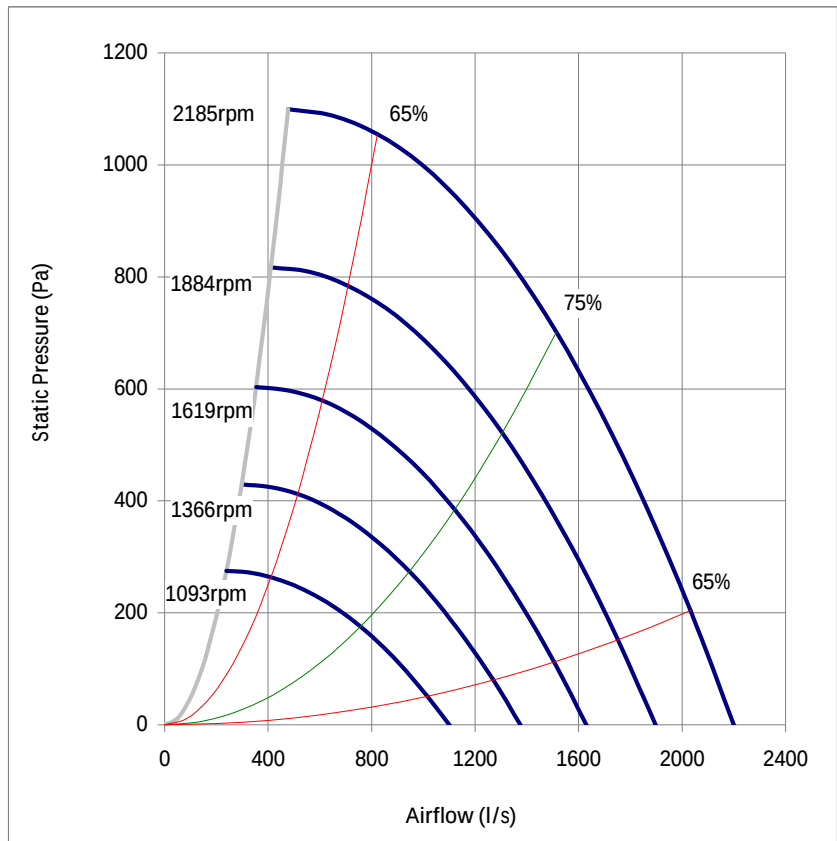
Size 400 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

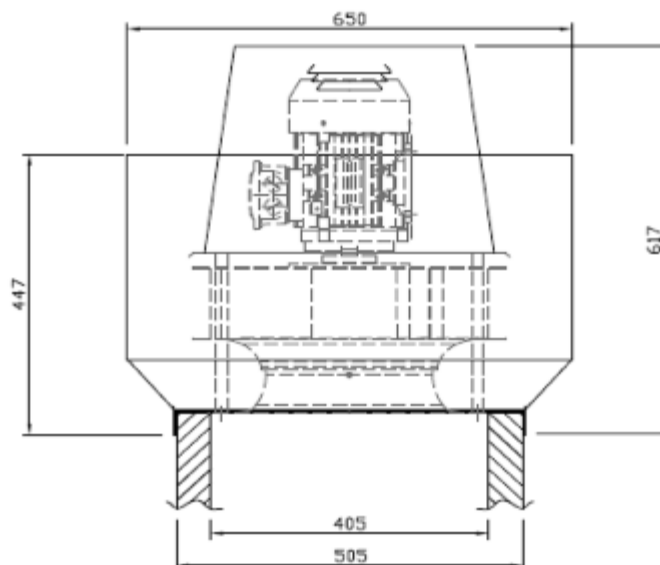
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1420 RPM
FLC 3.50 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Weight 58 Kg
Max. Temp 50 °C
Max. Frequency 78 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2185	1099	1.50	78	67	75	74	71	68	67	64	59	54
1884	817	0.96	67	64	72	71	68	65	64	61	56	51
1619	603	0.61	58	60	68	67	64	61	60	57	52	47
1366	429	0.37	49	57	65	64	61	58	57	54	49	44
1093	275	0.19	39	52	60	59	56	53	52	49	44	39



Vertical Discharge Roof Centrifugal Units

UDC450-110



Impeller

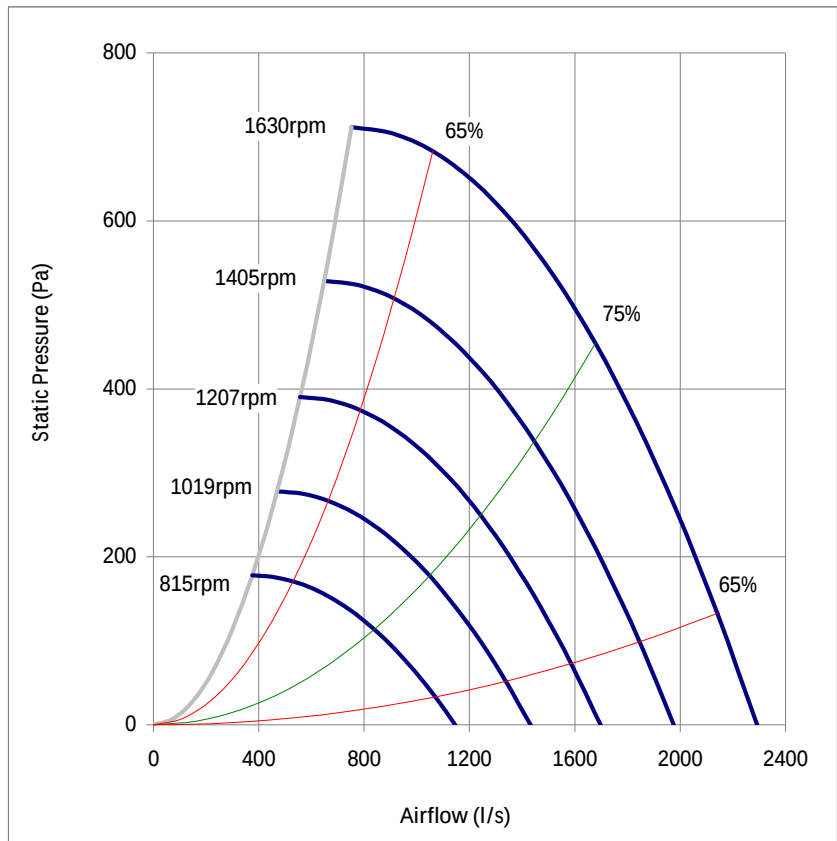
Size 450 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

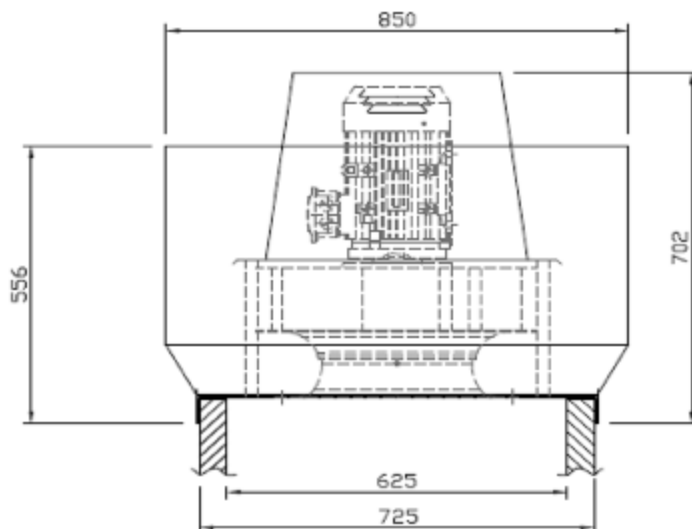
Type IE2
IP Rating 55
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 1410 RPM
FLC 2.63 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Weight 75 Kg
Max. Temp 50 °C
Max. Frequency 57 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1630	712	1.10	57	62	67	72	69	69	63	60	58	53
1405	529	0.70	49	59	64	69	66	66	60	57	55	50
1207	390	0.45	42	55	60	65	62	62	56	53	51	46
1019	278	0.27	36	52	57	62	59	59	53	50	48	43
815	178	0.14	29	47	52	57	54	54	48	45	43	38



Vertical Discharge Roof Centrifugal Units

UDC450-220



Impeller

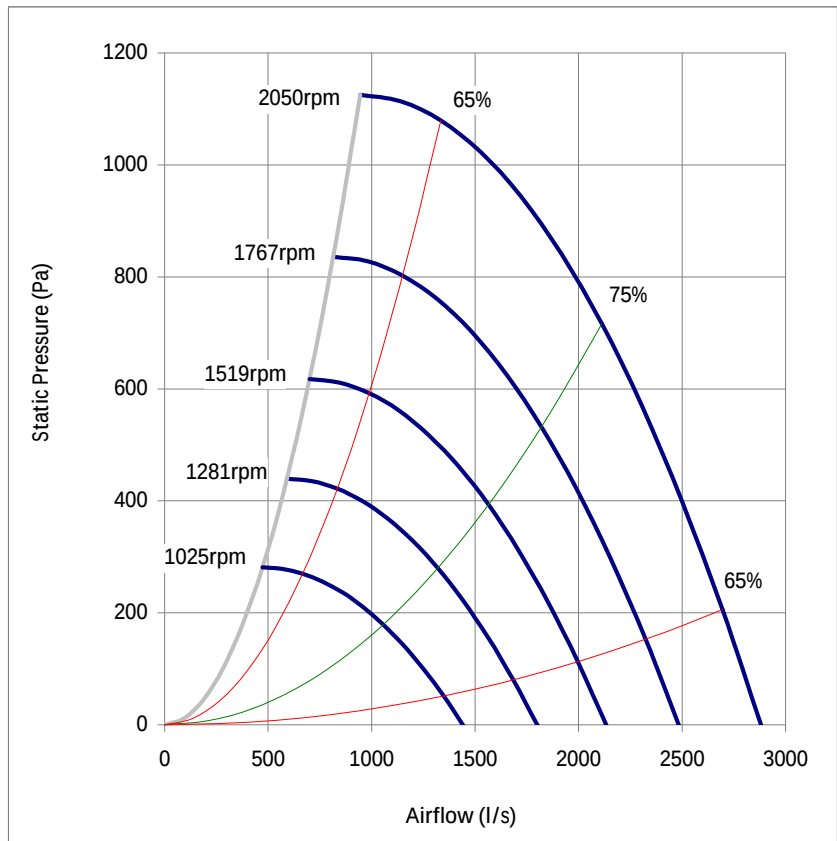
Size 450 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

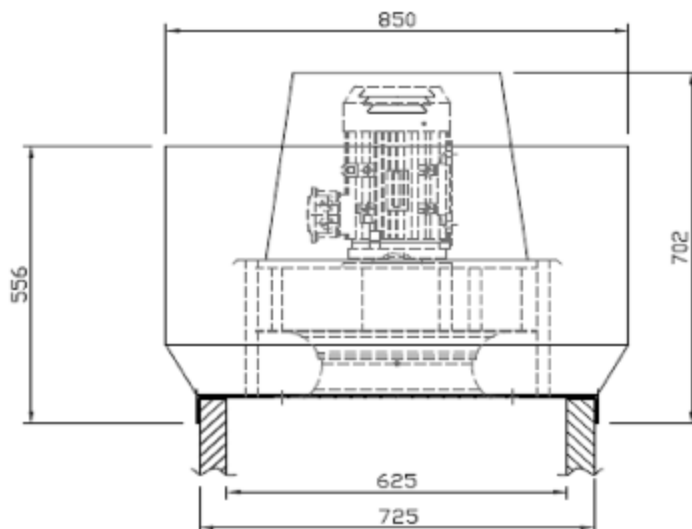
Type IE2
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 1415 RPM
FLC 4.80 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Weight 84 Kg
Max. Temp 50 °C
Max. Frequency 71 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2050	1125	2.20	71	62	67	72	69	69	63	60	58	53
1767	836	1.41	61	59	64	69	66	66	60	57	55	50
1519	617	0.89	53	55	60	65	62	62	56	53	51	46
1281	439	0.54	44	52	57	62	59	59	53	50	48	43
1025	281	0.28	36	47	52	57	54	54	48	45	43	38



Vertical Discharge Roof Centrifugal Units

UDC500-150



Impeller

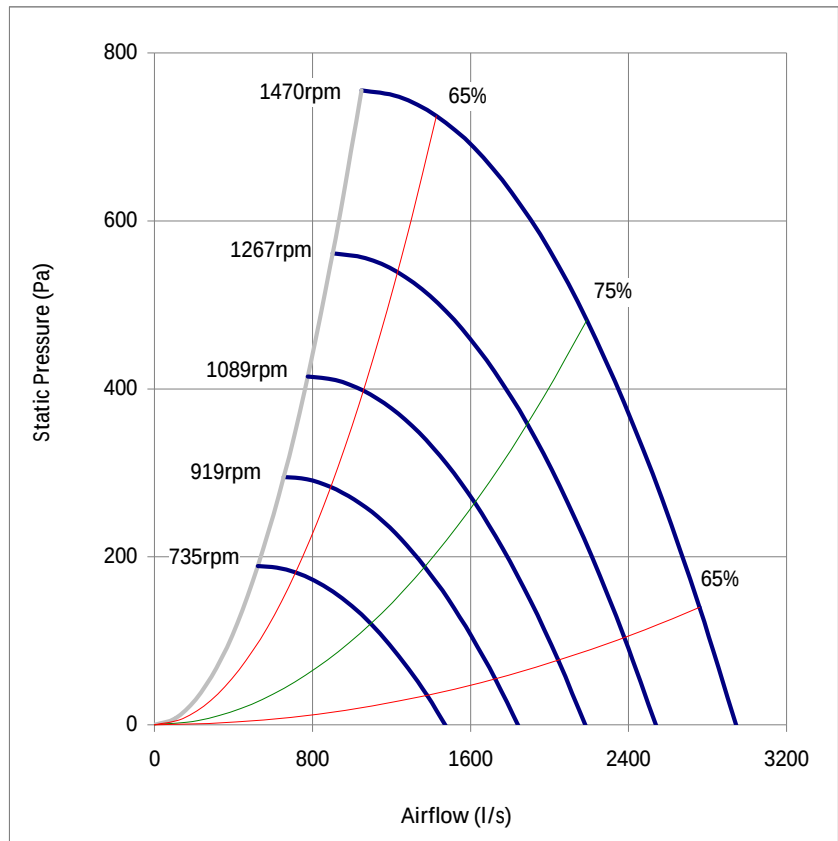
Size 500 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

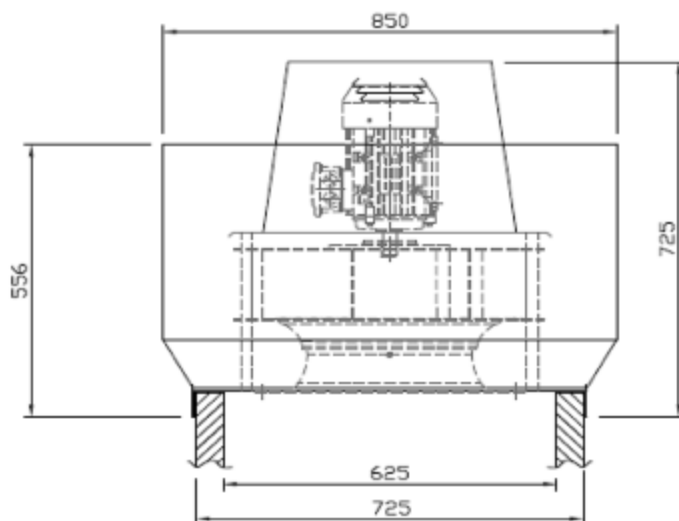
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1410 RPM
FLC 3.40 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Weight 110 Kg
Max. Temp 70 °C
Max. Frequency 51 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1470	755	1.50	51	65	79	77	70	67	66	64	62	55
1267	561	0.96	44	62	76	74	67	64	63	61	59	52
1089	415	0.61	38	58	72	70	63	60	59	57	55	48
919	295	0.37	32	55	69	67	60	57	56	54	52	45
735	189	0.19	26	50	64	62	55	52	51	49	47	40



Vertical Discharge Roof Centrifugal Units

UDC500-300



Impeller

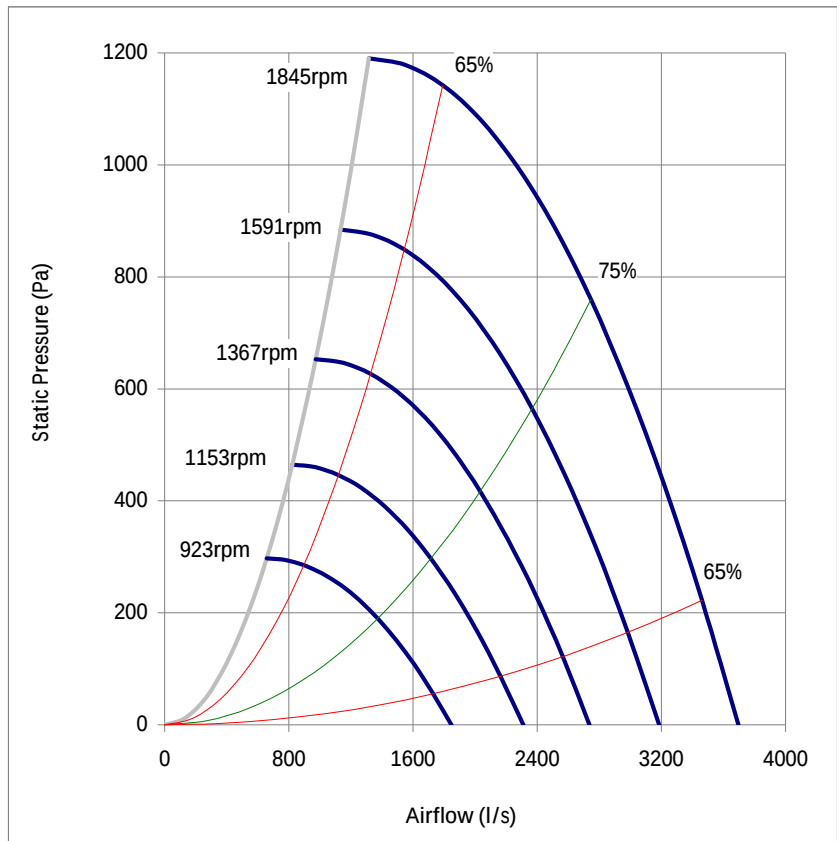
Size 500 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

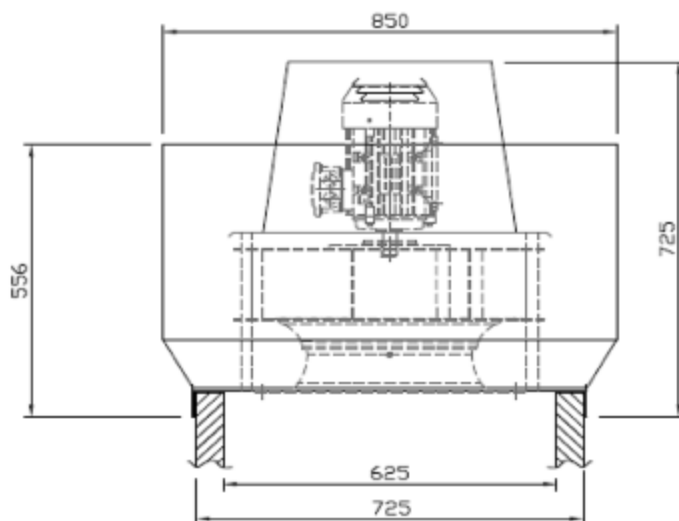
Type IE2
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 1415 RPM
FLC 6.40 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Weight 110 Kg
Max. Temp 70 °C
Max. Frequency 65 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1845	1190	3.00	65	70	84	82	75	72	71	69	67	60
1591	884	1.92	56	67	81	79	72	69	68	66	64	57
1367	653	1.22	48	63	77	75	68	65	64	62	60	53
1153	465	0.73	41	60	74	72	65	62	61	59	57	50
923	298	0.38	33	55	69	67	60	57	56	54	52	45



Vertical Discharge Roof Centrifugal Units

UDC560-150



Impeller

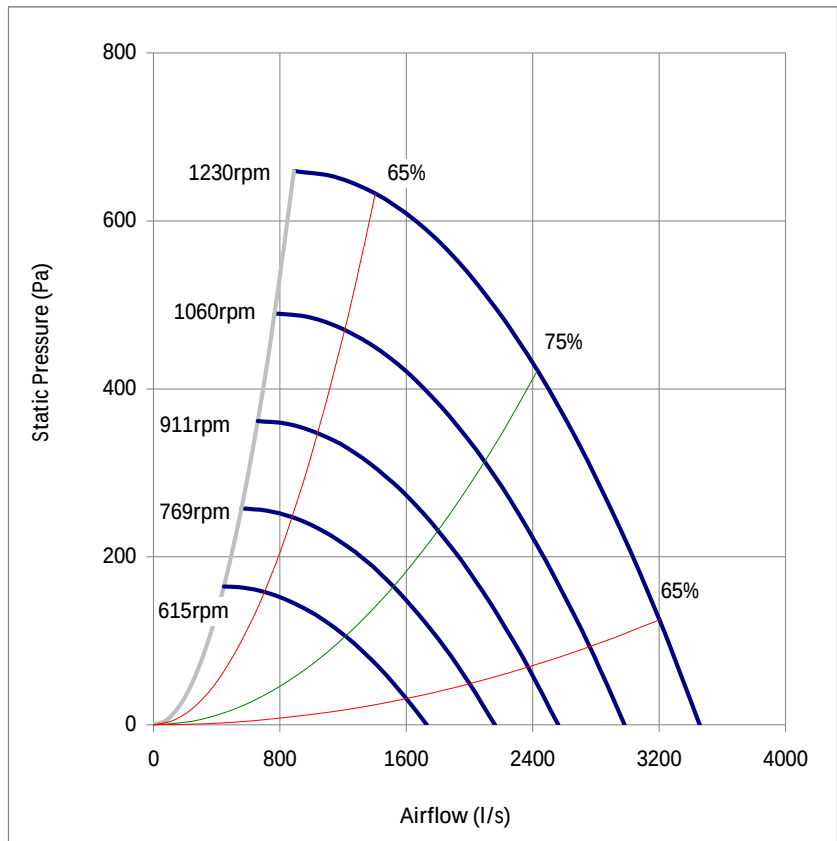
Size 560 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

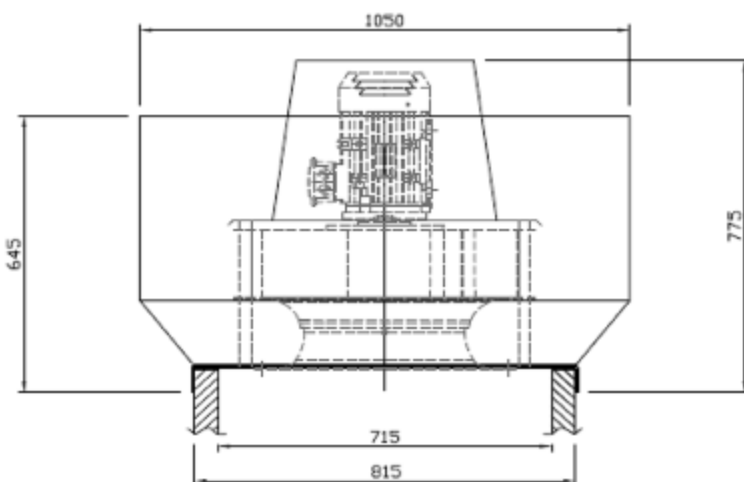
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 930 RPM
FLC 4.30 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Weight 136 Kg
Max. Temp 50 °C
Max. Frequency 65 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1230	659	1.50	65	64	77	76	70	67	63	61	59	53
1060	490	0.96	56	61	74	73	67	64	60	58	56	50
911	362	0.61	48	57	70	69	63	60	56	54	52	46
769	258	0.37	41	54	67	66	60	57	53	51	49	43
615	165	0.19	33	49	62	61	55	52	48	46	44	38



Vertical Discharge Roof Centrifugal Units

UDC560-300



Impeller

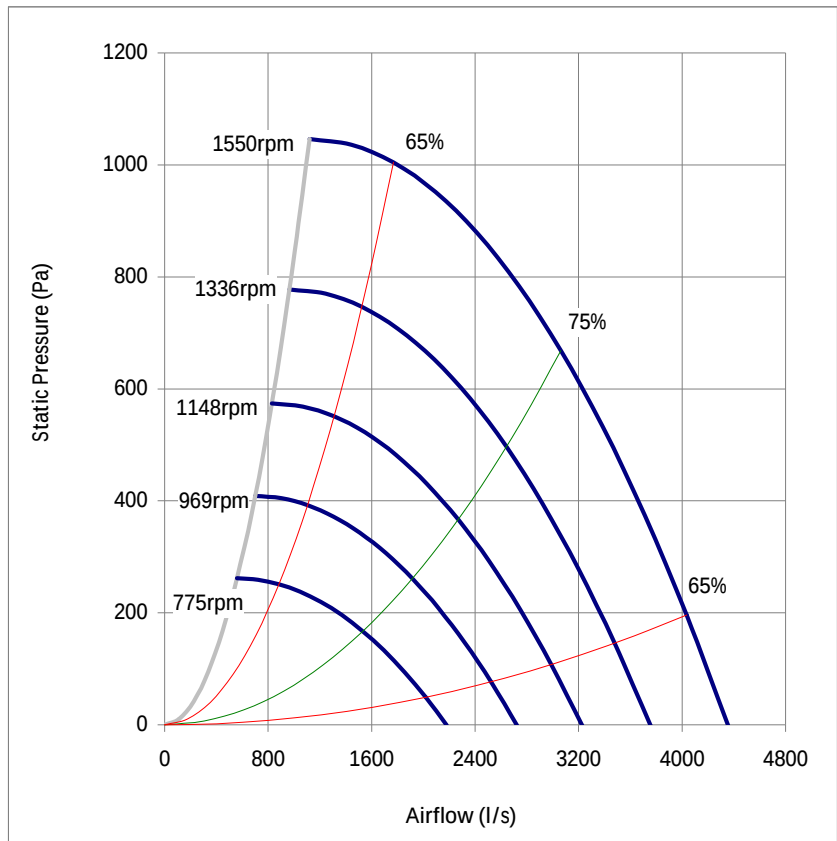
Size 560 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

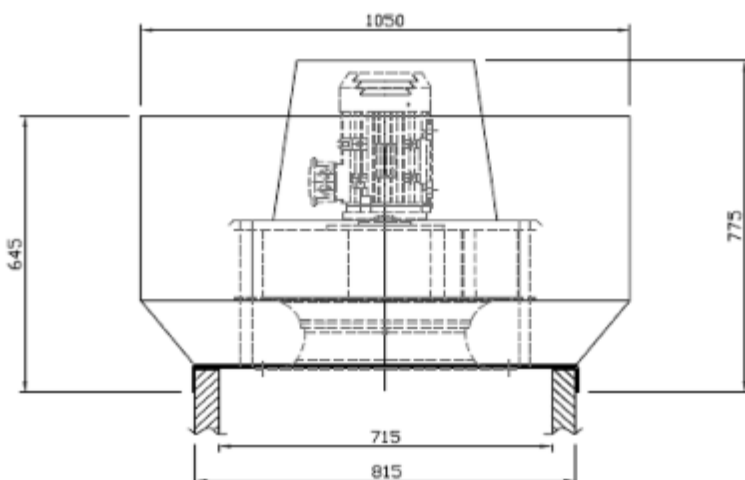
Type IE2
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 1415 RPM
FLC 6.40 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Weight 139 Kg
Max. Temp 50 °C
Max. Frequency 55 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1550	1046	3.00	55	69	82	81	75	72	68	66	64	58
1336	778	1.92	47	66	79	78	72	69	65	63	61	55
1148	574	1.22	41	62	75	74	68	65	61	59	57	51
969	409	0.73	34	59	72	71	65	62	58	56	54	48
775	262	0.38	28	54	67	66	60	57	53	51	49	43



Vertical Discharge Roof Centrifugal Units

UDC630-150



Impeller

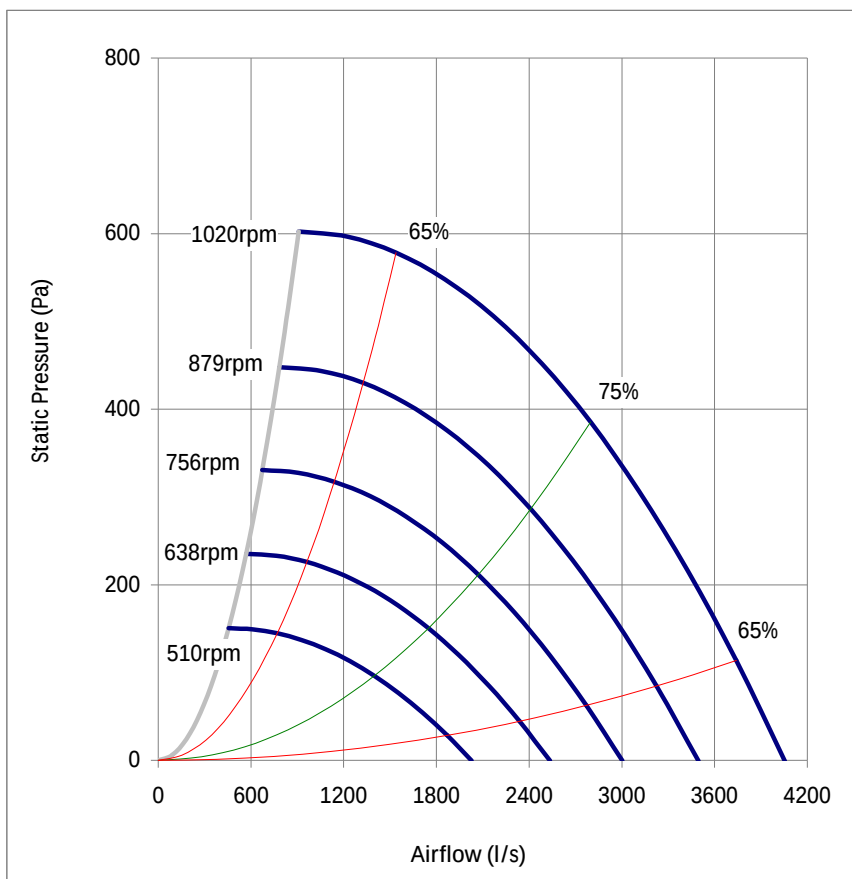
Size 630 mm
Type Backward Arefoil Curve
Material Steel
Finish Powder Coating RAL5002

Motor

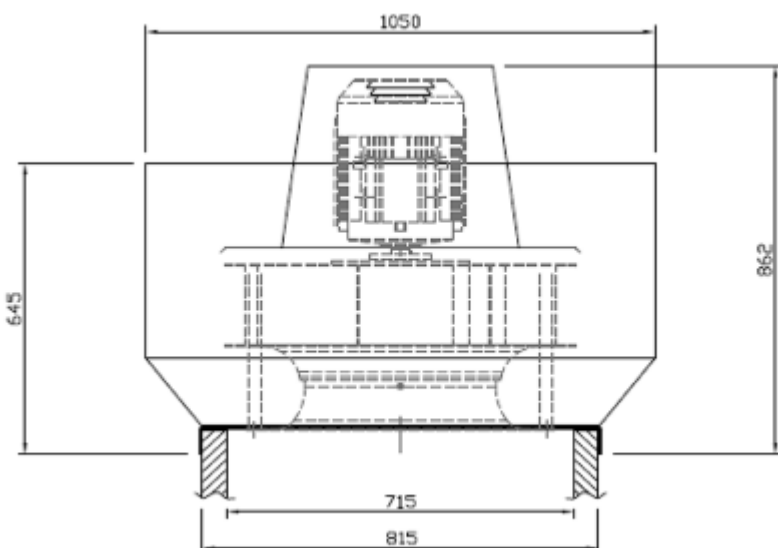
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 930 RPM
FLC 4.30 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Weight 155 Kg
Max. Temp 50 °C
Max. Frequency 54 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1020	602	1.50	54	64	70	68	70	66	64	58	59	52
879	448	0.96	47	61	67	65	67	63	61	55	56	49
756	331	0.61	40	57	63	61	63	59	57	51	52	45
638	235	0.37	34	54	60	58	60	56	54	48	49	42
510	151	0.19	27	49	55	53	55	51	49	43	44	37



Vertical Discharge Roof Centrifugal Units

UDC630-550



Impeller

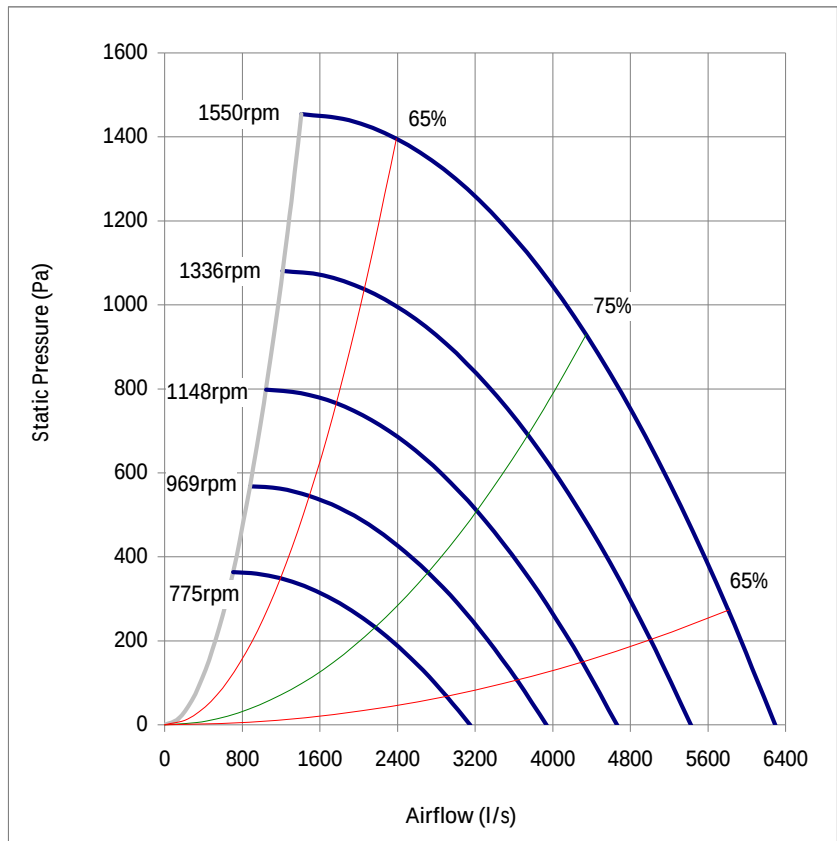
Size 630 mm
Type Backward Curve
Material Steel
Finish Powder Coating RAL5002

Motor

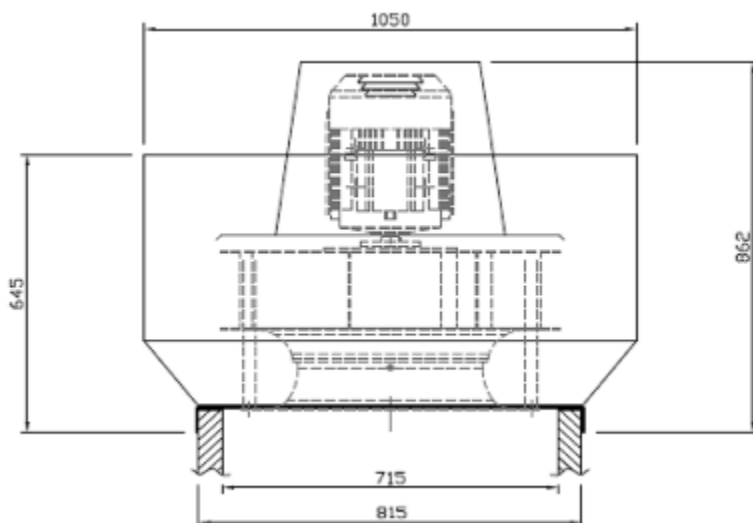
Type IE2
IP Rating 55
Insulation Class 155
Power 5.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1450 RPM
FLC 11.00 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D132

Fan

Case Galvanise Steel
Weight 155 Kg
Max. Temp 50 °C
Max. Frequency 55 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1550	1454	5.50	55	74	80	78	80	76	74	68	69	62
1336	1081	3.52	47	71	77	75	77	73	71	65	66	59
1148	798	2.24	41	67	73	71	73	69	67	61	62	55
969	568	1.34	34	64	70	68	70	66	64	58	59	52
775	364	0.69	28	59	65	63	65	61	59	53	54	47



PSCR-S

- Roof Mount Centrifugal Supply Air Fan
- With External Rotor

SPECIFICATION

Sizes

280, 310, 315, 350, 400, 450, 500, 560, 630mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

Ziehl-Abegg Vpro low noise high efficiency centrifugal fan with profiled blades. The impellers are manufactured from black composite material and balanced according to ISO1940.

MOTORS

Ziehl-Abegg asynchronous external rotor motors. Motor enclosure to feature IP54 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

Casing

Cowl and base of the fans are of UV stabilised fibreglass or Rovel. Impeller/motor assembly to be supported by a galvanised steel. Bird mesh to be fit as standard.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997
Sound levels – Established from tests in accordance with ISO3745

Ziehl-Abegg Vpro external rotor



Roof Centrifugal Supply Air Fan

PSCR-2841S



Impeller

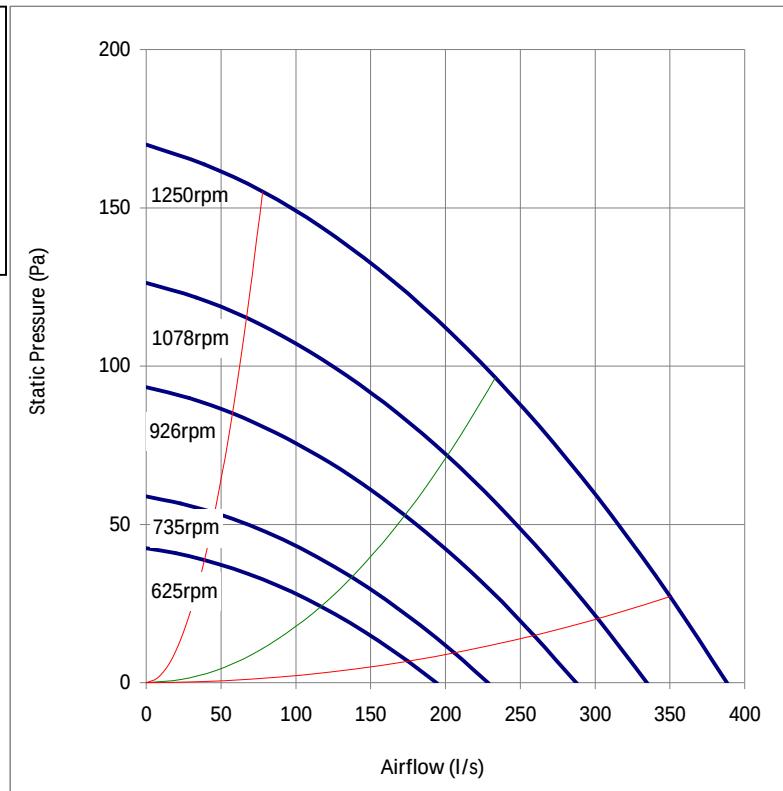
Size 280 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

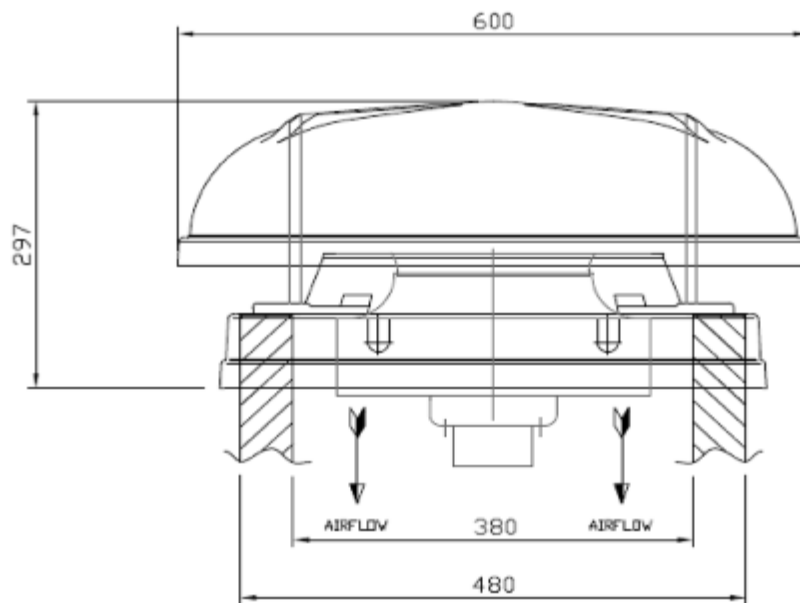
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.09 Kw
Power Supply 230V/1PH/50Hz
Speed 1250 RPM
FLC 0.41A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 8 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1250	170	0.09	230	60	61	60	58	55	54	54	41	41
1078	126	0.06	200	57	58	57	55	52	51	51	38	38
926	93	0.04	170	53	54	53	51	48	47	47	34	34
735	59	0.02	130	48	49	48	46	43	42	42	29	29
625	43	0.01	110	45	46	45	43	40	39	39	26	26



Roof Centrifugal Supply Air Fan

PSCR-3141S



Impeller

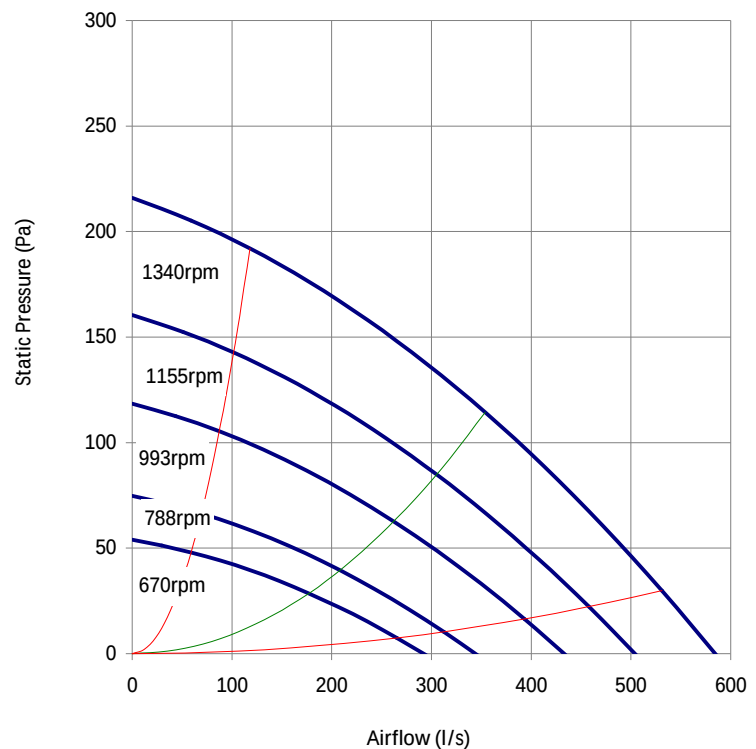
Size 310 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

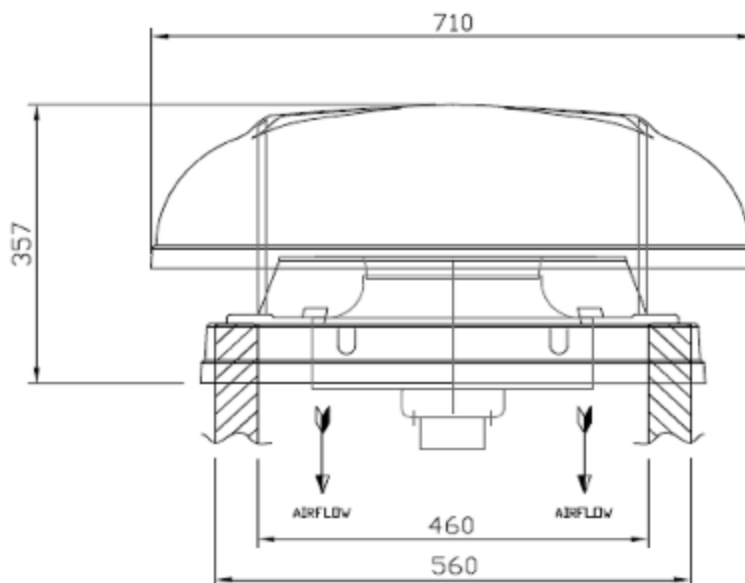
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.18 Kw
Power Supply 230V/1PH/50Hz
Speed 1420 RPM
FLC 0.8 A
Capacitor 5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 15 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	216	0.18	230	62	64	61	67	62	57	52	51	41
1155	160	0.12	200	59	61	58	64	59	54	49	48	38
993	118	0.07	170	55	57	54	60	55	50	45	44	34
788	75	0.04	130	50	52	49	55	50	45	40	39	29
670	54	0.02	110	47	49	46	52	47	42	37	36	26



Roof Centrifugal Supply Air Fan

PSCR-3143S



Impeller

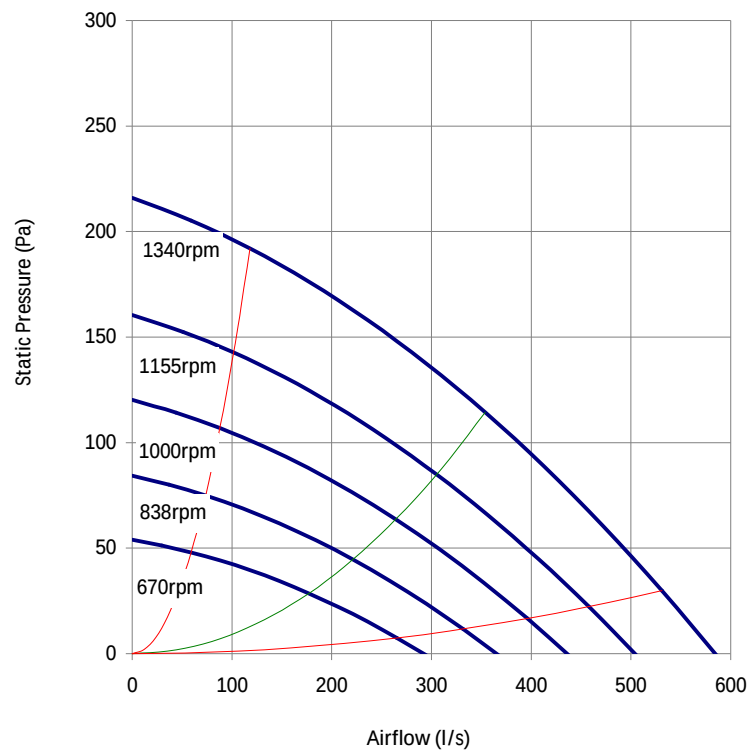
Size 310 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

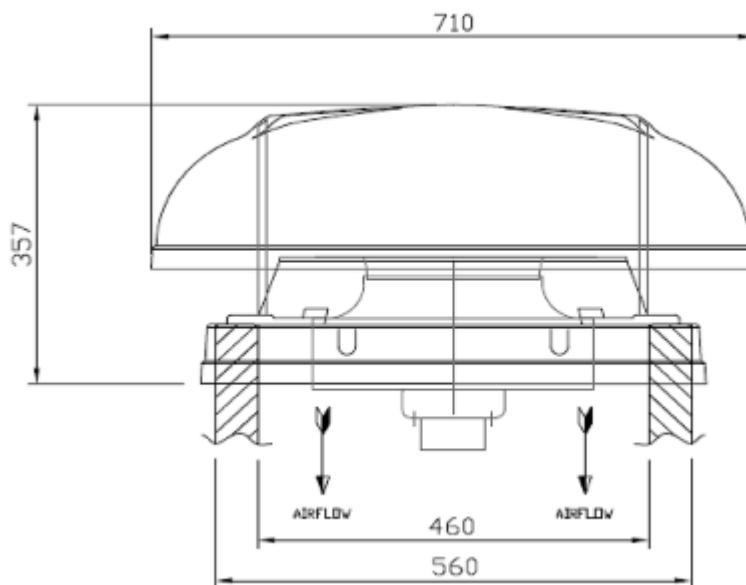
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.14 Kw
Power Supply 400V/3PH/50Hz
Speed 1340 RPM
FLC 0.29 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 15 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	216	0.14	50	62	64	61	67	62	57	52	51	41
1155	160	0.09	43	59	61	58	64	59	54	49	48	38
1000	120	0.06	37	56	58	55	61	56	51	46	45	35
838	84	0.03	31	52	54	51	57	52	47	42	41	31
670	54	0.02	25	47	49	46	52	47	42	37	36	26



Roof Centrifugal Supply Air Fan

PSCR-3541S



Impeller

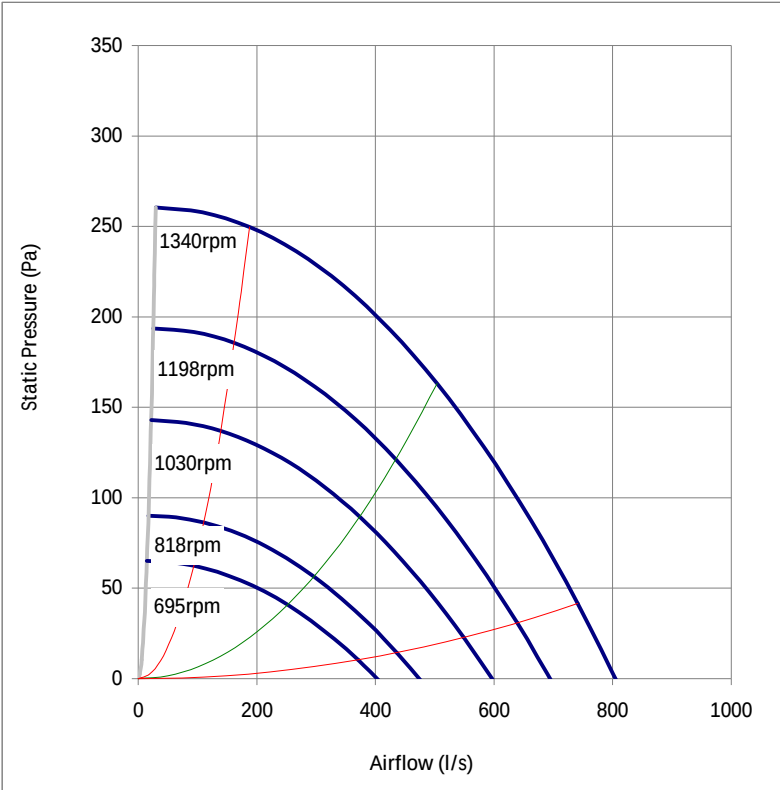
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

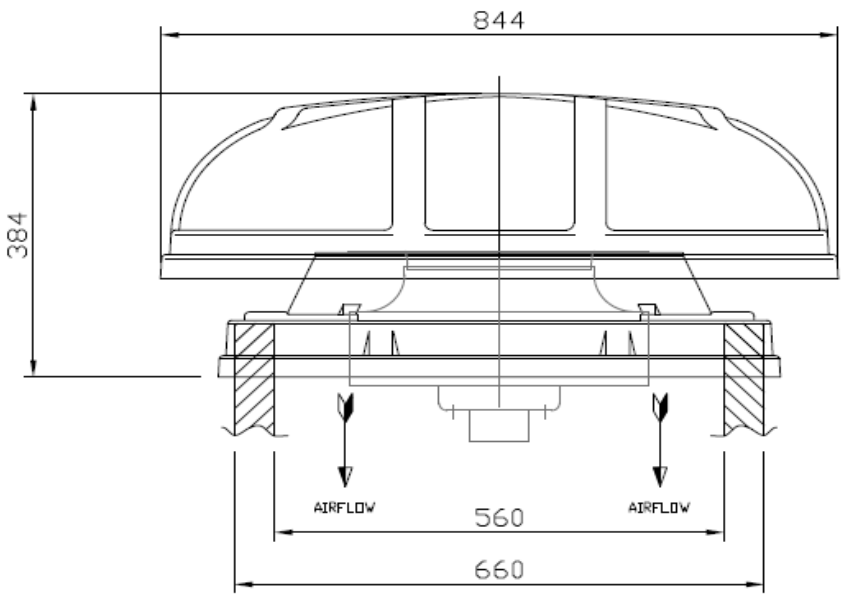
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.27 Kw
Power Supply 230V/1PH/50Hz
Speed 1390 RPM
FLC 1.3 A
Capacitor 6 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 23 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	260	0.27	230	66	70	62	59	56	51	53	51	42
1198	194	0.17	200	63	67	59	56	53	48	50	48	39
1030	143	0.11	170	59	63	55	52	49	44	46	44	35
818	90	0.05	130	54	58	50	47	44	39	41	39	30
695	65	0.03	110	51	55	47	44	41	36	38	36	27



Roof Centrifugal Supply Air Fan

PSCR-3543S



Impeller

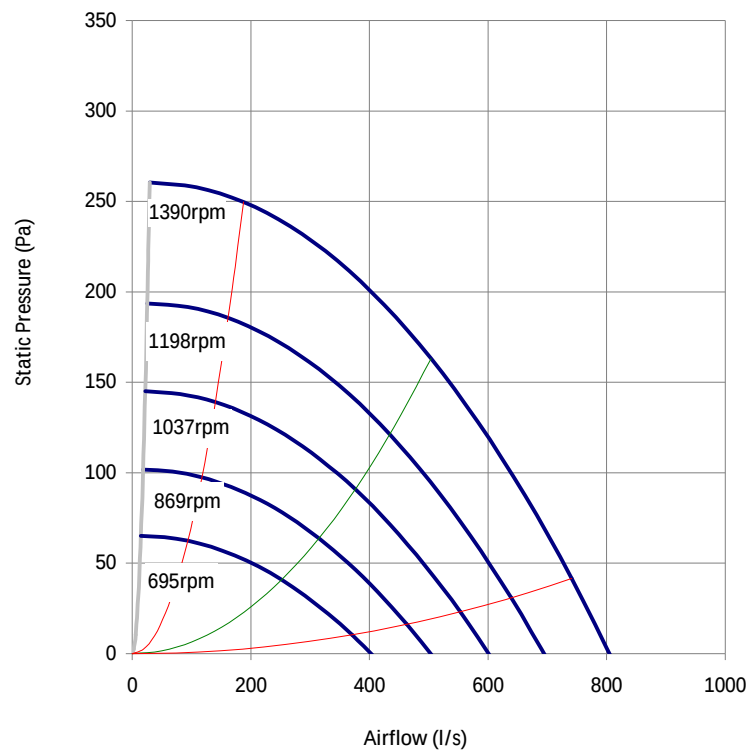
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

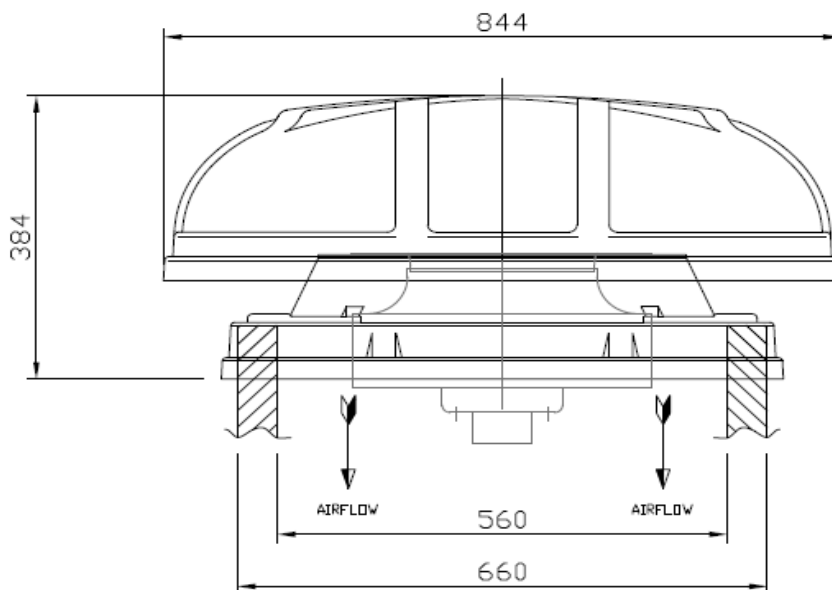
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.24 Kw
Power Supply 400V/3PH/50Hz
Speed 1390 RPM
FLC 0.47 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 23 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	260	0.24	50	66	70	62	59	56	51	53	51	41
1198	194	0.15	43	63	67	59	56	53	48	50	48	38
1037	145	0.10	37	60	64	56	53	50	45	47	45	35
869	102	0.06	31	56	60	52	49	46	41	43	41	31
695	65	0.03	25	51	55	47	44	41	36	38	36	26



Roof Centrifugal Supply Air Fan

PSCR-3561S



Impeller

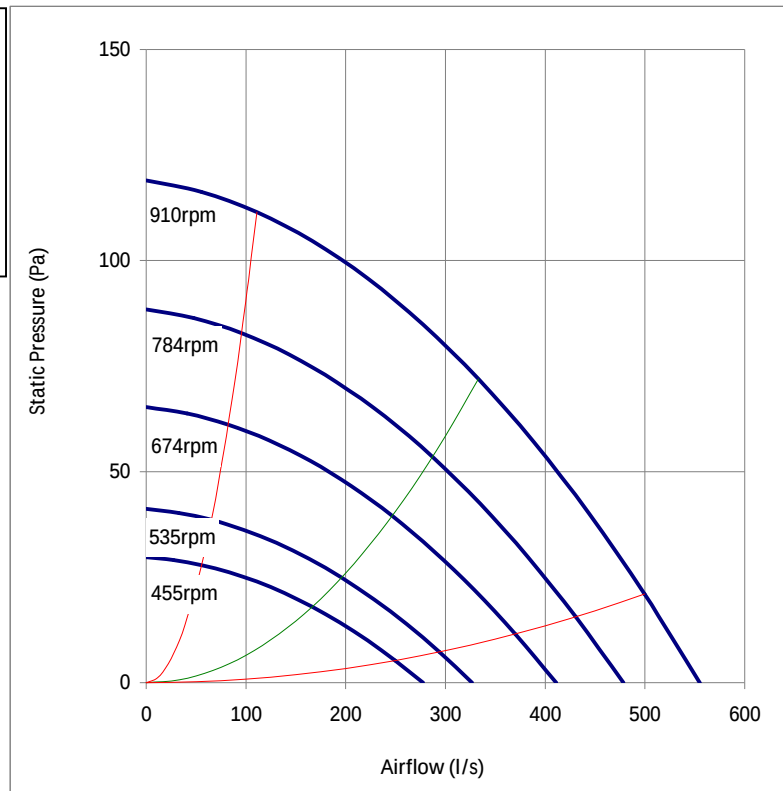
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

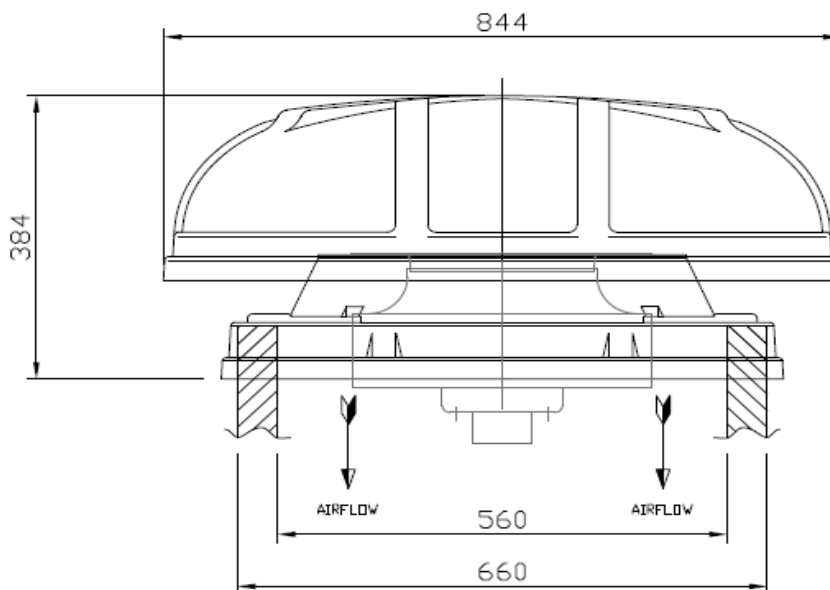
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.11 Kw
Power Supply 230V/1PH/50Hz
Speed 910 RPM
FLC 0.49 A
Capacitor 4 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 23 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
910	119	0.11	230	59	63	55	52	49	44	46	44	35
784	88	0.07	200	56	60	52	49	46	41	43	41	32
674	65	0.04	170	52	56	48	45	42	37	39	37	28
535	41	0.02	130	47	51	43	40	37	32	34	32	23
455	30	0.01	110	44	48	40	37	34	29	31	29	20



Roof Centrifugal Supply Air Fan

PSCR-4041S



Impeller

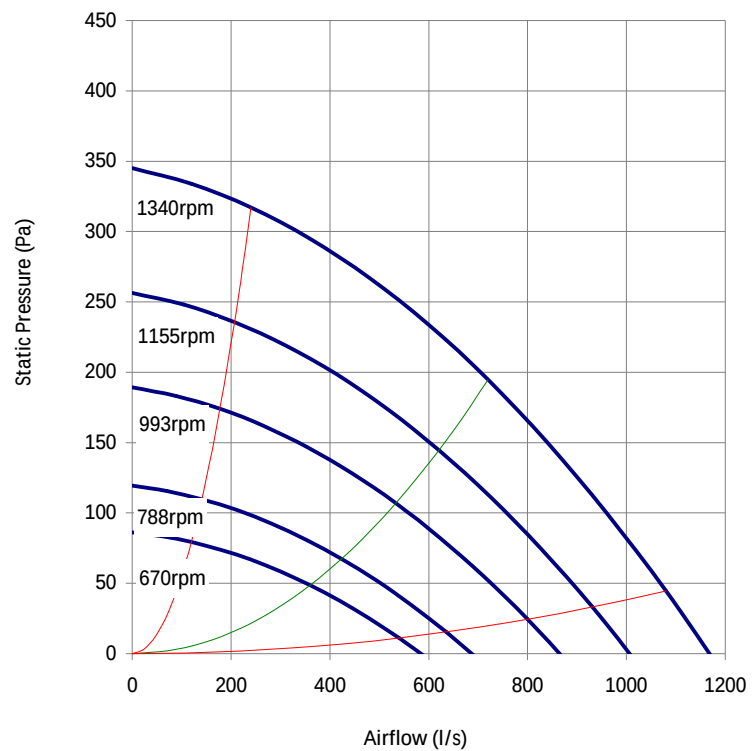
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

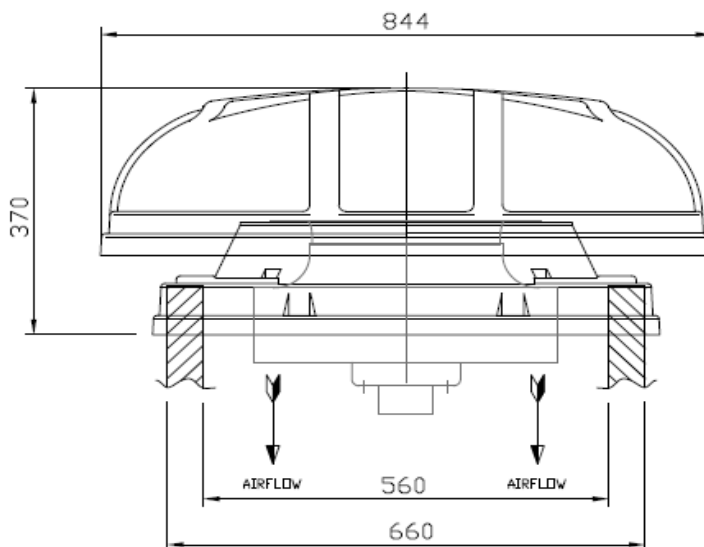
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.49 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 2.5 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	345	0.49	230	63	68	63	62	55	52	48	53	42
1155	256	0.31	200	60	65	60	59	52	49	45	50	39
993	189	0.20	170	56	61	56	55	48	45	41	46	35
788	119	0.10	130	51	56	51	50	43	40	36	41	30
670	86	0.06	110	48	53	48	47	40	37	33	38	27



Roof Centrifugal Supply Air Fan

PSCR-4043S



Impeller

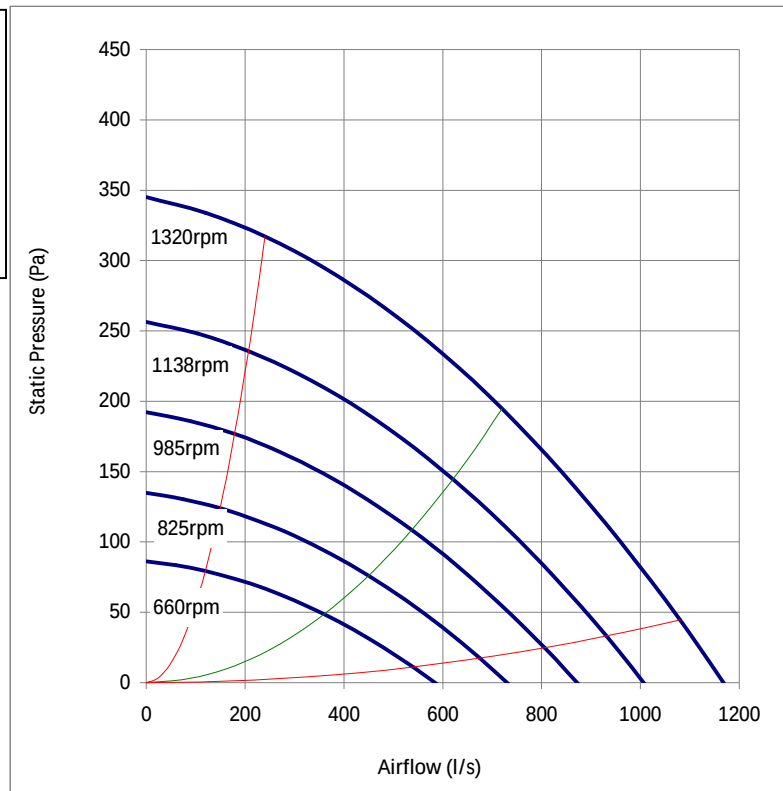
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

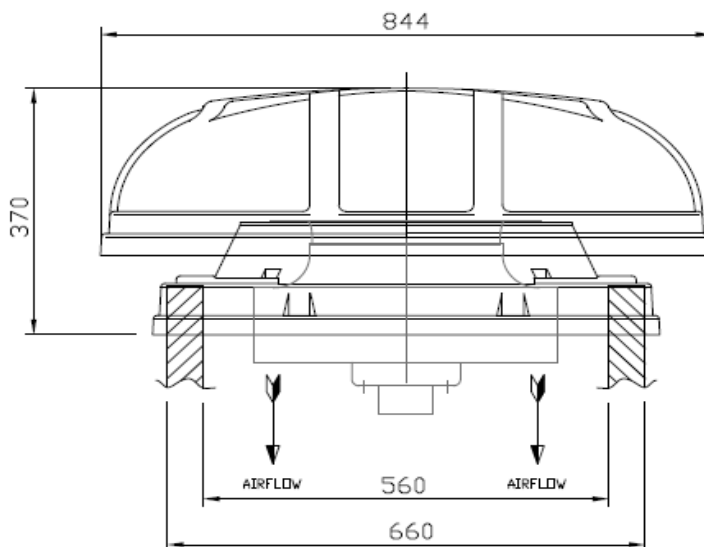
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.44 Kw
Power Supply 400V/3PH/50Hz
Speed 1320 RPM
FLC 2.5 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1320	345	0.44	50	63	68	63	62	55	52	48	53	42
1138	256	0.28	43	60	65	60	59	52	49	45	50	39
985	192	0.18	37	57	62	57	56	49	46	42	47	36
825	135	0.11	31	53	58	53	52	45	42	38	43	32
660	86	0.06	25	48	53	48	47	40	37	33	38	27



Roof Centrifugal Supply Air Fan

PSCR-4061S



Impeller

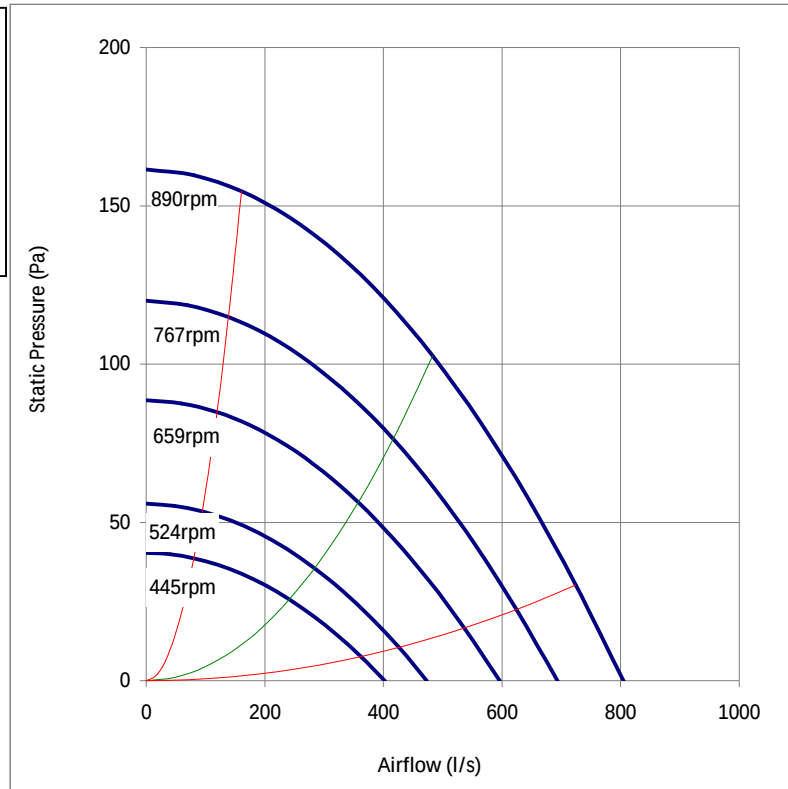
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

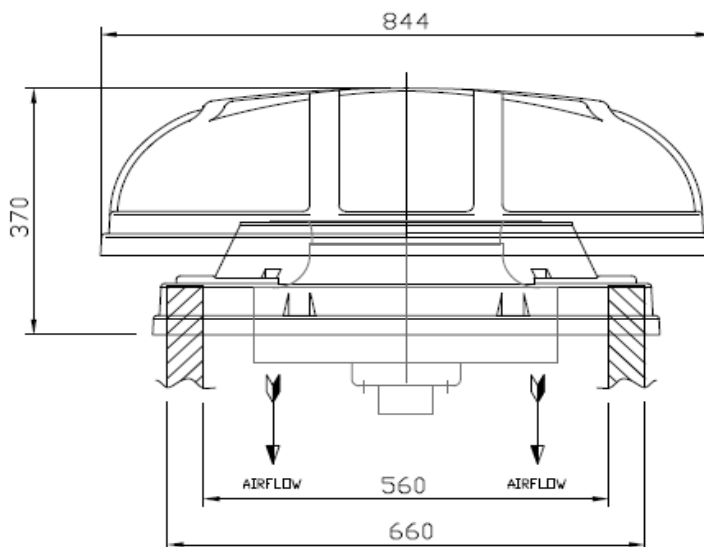
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.17 Kw
Power Supply 230V/1PH/50Hz
Speed 890 RPM
FLC 0.76 A
Capacitor 6 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Rovel UV Stabilised
Weight 26 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
890	162	0.17	230	56	61	56	55	48	45	41	44	36
767	120	0.11	200	53	58	53	52	45	42	38	41	33
659	89	0.07	170	49	54	49	48	41	38	34	37	29
524	56	0.03	130	44	49	44	43	36	33	29	32	24
445	40	0.02	110	41	46	41	40	33	30	26	29	21



Roof Centrifugal Supply Air Fan

PSC-4541S



Impeller

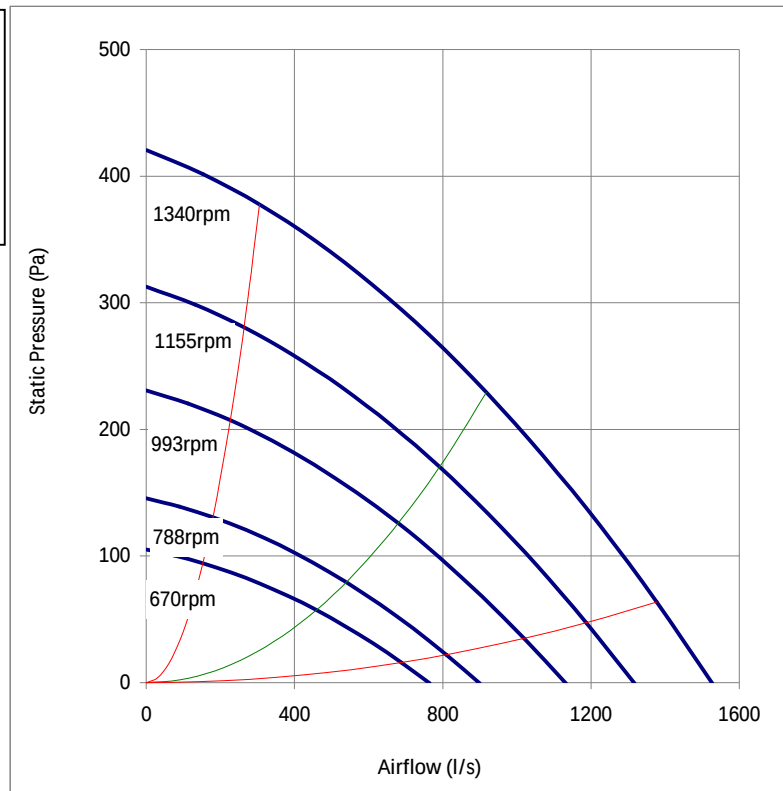
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

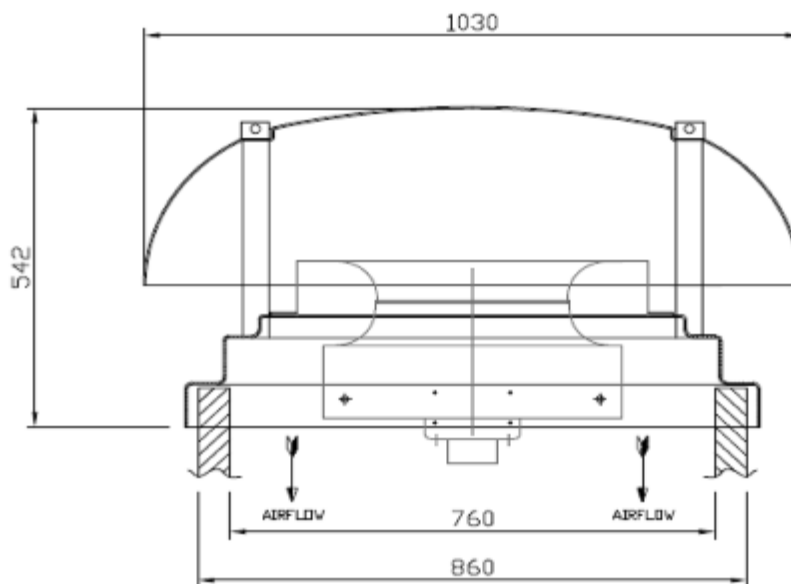
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.77 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 3.60 A
Capacitor 20 μ F
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	421	0.77	230	68	71	71	64	57	53	49	51	48
1155	313	0.49	200	65	68	68	61	54	50	46	48	45
993	231	0.31	170	61	64	64	57	50	46	42	44	41
788	146	0.16	130	56	59	59	52	45	41	37	39	36
670	105	0.10	110	53	56	56	49	42	38	34	36	33



Roof Centrifugal Supply Air Fan

PSC-4543S



Impeller

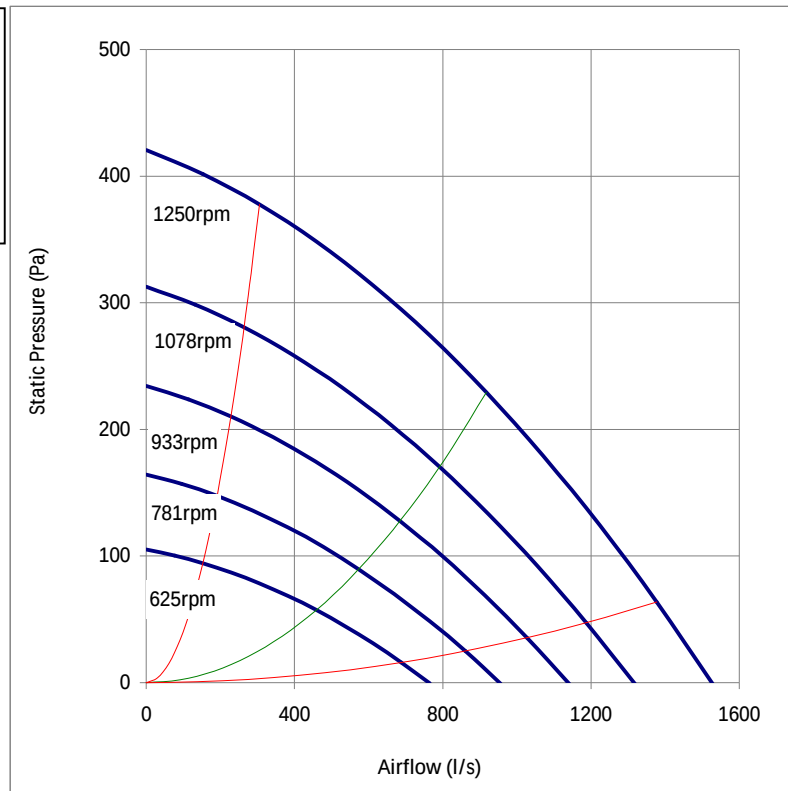
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

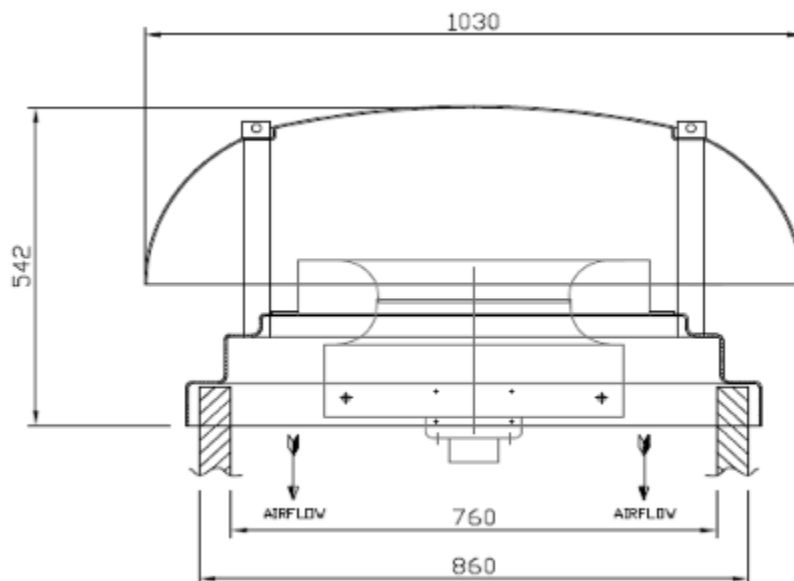
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.65 Kw
Power Supply 400V/3PH/50Hz
Speed 1250 RPM
FLC 1.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1250	421	0.65	50	68	71	71	64	57	53	49	51	48
1078	313	0.42	43	65	68	68	61	54	50	46	48	45
933	234	0.27	37	62	65	65	58	51	47	43	45	42
781	164	0.16	31	58	61	61	54	47	43	39	41	38
625	105	0.08	25	53	56	56	49	42	38	34	36	33



Roof Centrifugal Supply Air Fan

PSC-4561S



Impeller

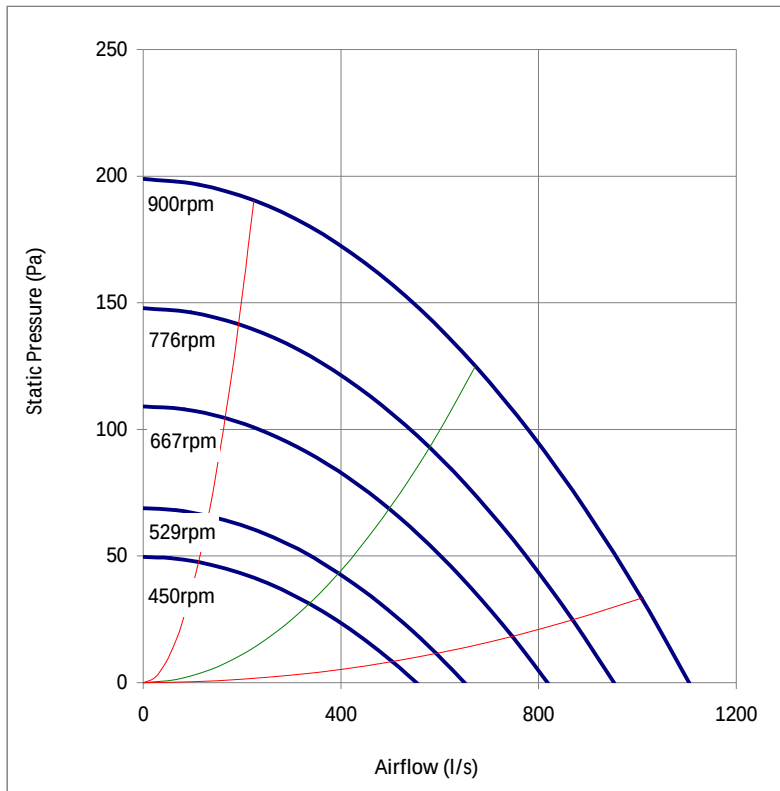
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

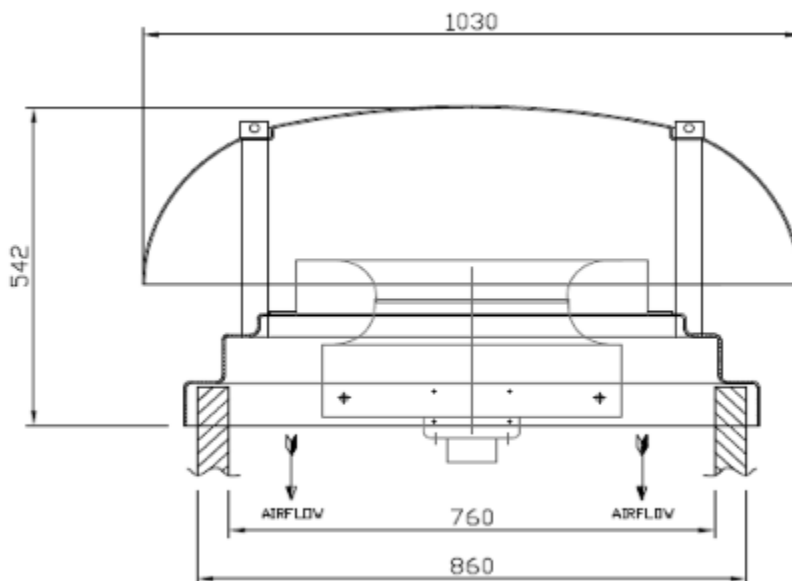
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.25 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 1.10 A
Capacitor 8 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	199	0.25	230	61	64	64	57	50	46	42	44	41
776	148	0.16	200	58	61	61	54	47	43	39	41	38
667	109	0.10	170	54	57	57	50	43	39	35	37	34
529	69	0.05	130	49	52	52	45	38	34	30	32	29
450	50	0.03	110	46	49	49	42	35	31	27	29	26



Roof Centrifugal Supply Air Fan

PSC-4563S



Impeller

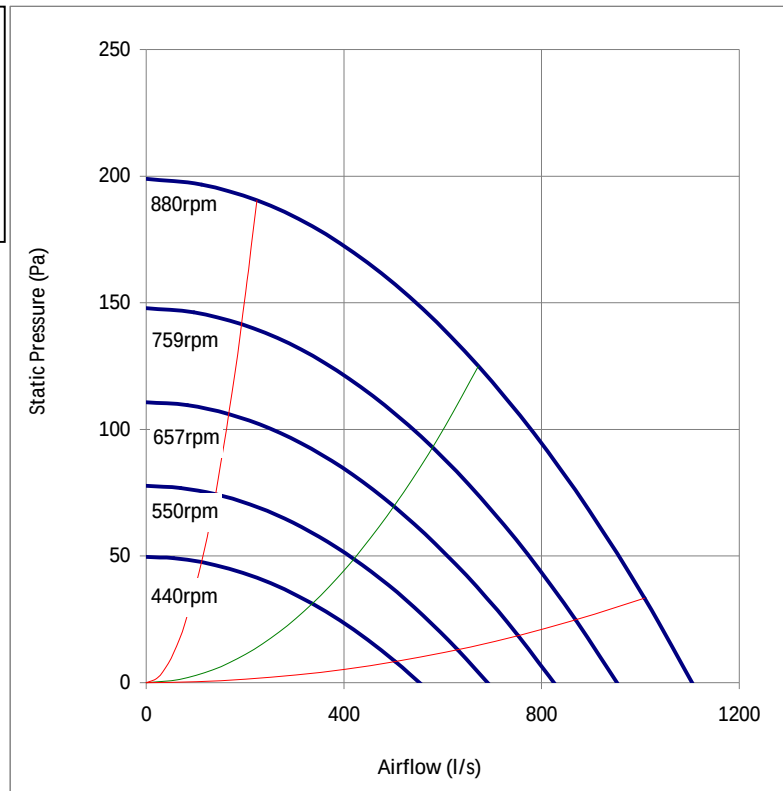
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

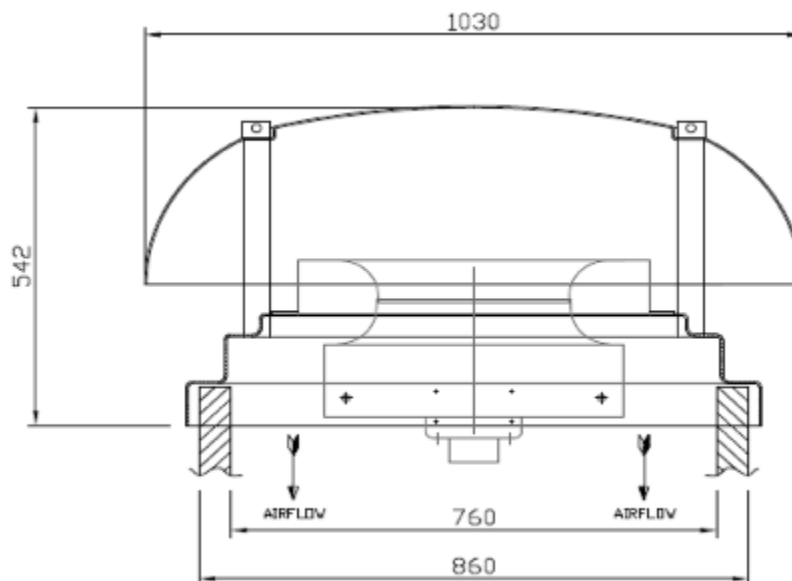
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.25 Kw
Power Supply 400V/3PH/50Hz
Speed 880 RPM
FLC 0.58 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 28 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	199	0.25	50	61	64	64	57	50	46	42	44	41
759	148	0.16	43	58	61	61	54	47	43	39	41	38
657	111	0.10	37	55	58	58	51	44	40	36	38	35
550	78	0.06	31	51	54	54	47	40	36	32	34	31
440	50	0.03	25	46	49	49	42	35	31	27	29	26



Roof Centrifugal Supply Air Fan

PSC-5041S



Impeller

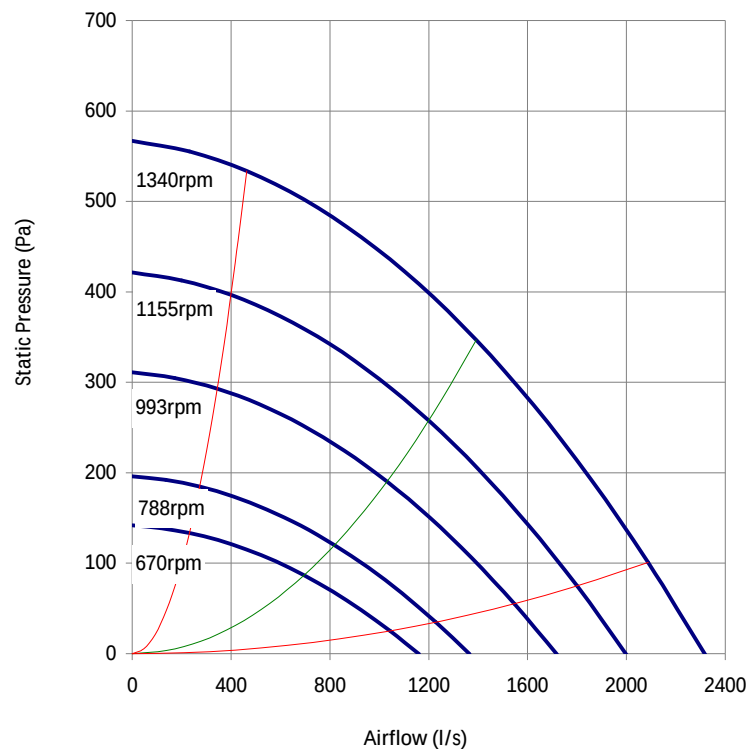
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

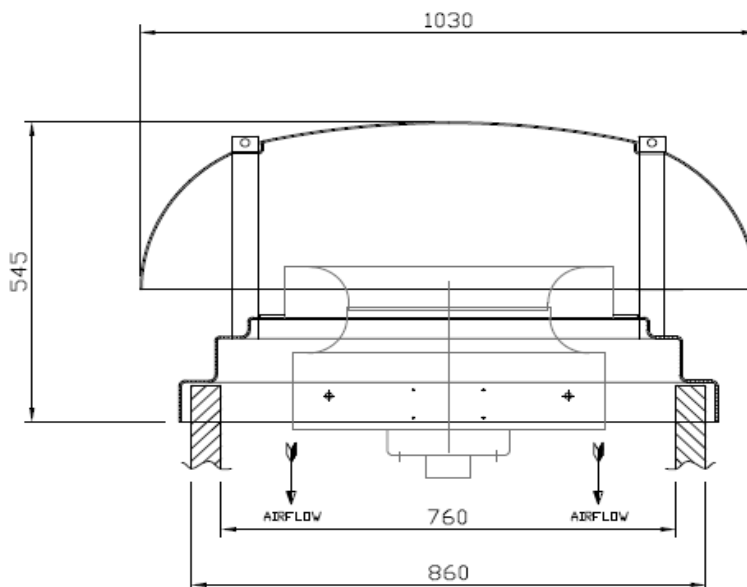
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.30 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 5.80 A
Capacitor 30 μ F
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	567	1.30	230	72	78	72	70	64	59	57	61	51
1155	421	0.83	200	69	75	69	67	61	56	54	58	48
993	311	0.53	170	65	71	65	63	57	52	50	54	44
788	196	0.26	130	60	66	60	58	52	47	45	49	39
670	142	0.16	110	57	63	57	55	49	44	42	46	36



Roof Centrifugal Supply Air Fan

PSC-5043S



Impeller

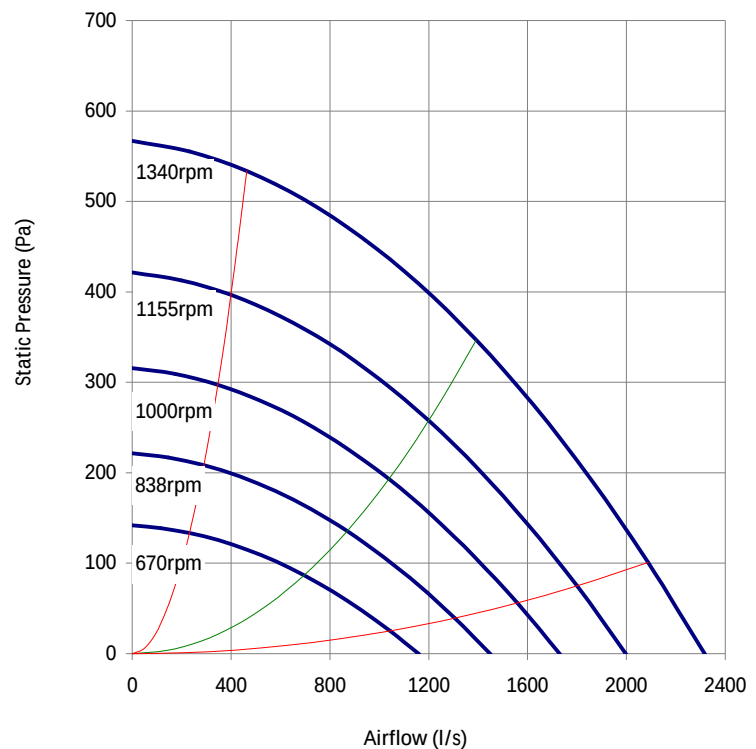
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

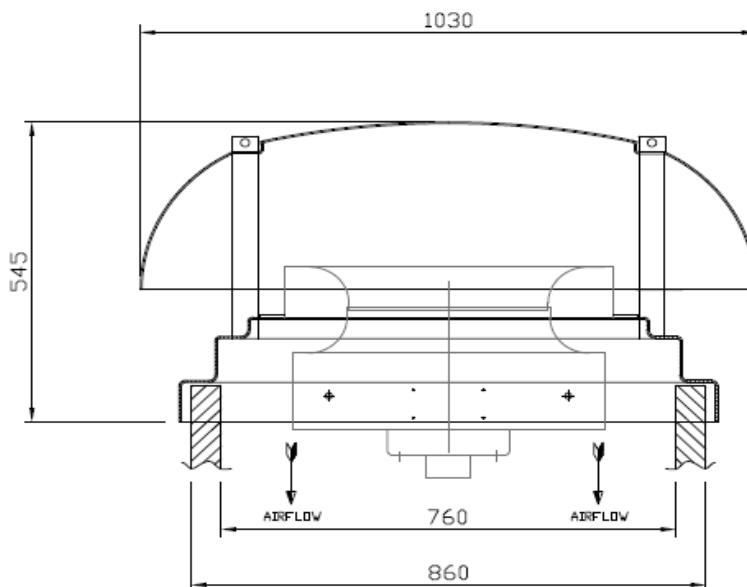
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.20 Kw
Power Supply 400V/3PH/50Hz
Speed 1340 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	567	1.20	50	72	78	72	70	64	59	57	61	51
1155	421	0.77	43	69	75	69	67	61	56	54	58	48
1000	316	0.50	37	66	72	66	64	58	53	51	55	45
838	221	0.29	31	62	68	62	60	54	49	47	51	41
670	142	0.15	25	57	63	57	55	49	44	42	46	36



Roof Centrifugal Supply Air Fan

PSC-5061S



Impeller

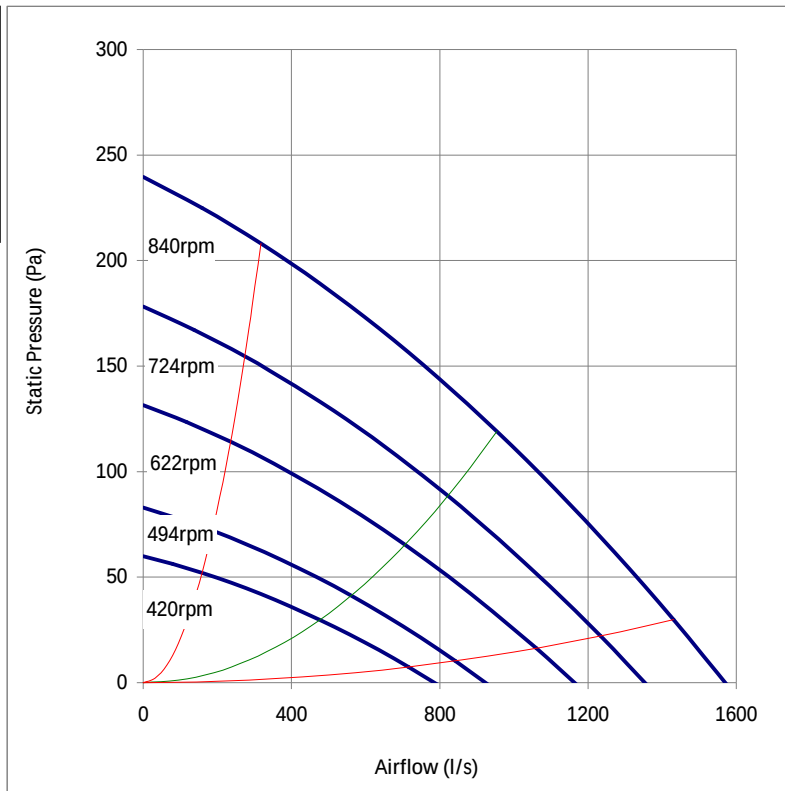
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

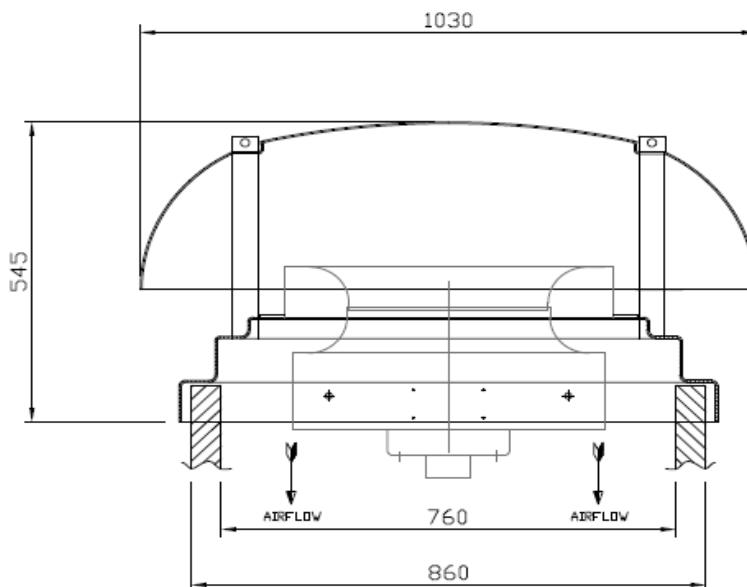
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.38 Kw
Power Supply 230V/1PH/50Hz
Speed 840 RPM
FLC 1.65 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
840	240	0.38	230	64	70	64	62	56	51	49	53	43
724	178	0.24	200	61	67	61	59	53	48	46	50	40
622	132	0.15	170	57	63	57	55	49	44	42	46	36
494	83	0.08	130	52	58	52	50	44	39	37	41	31
420	60	0.05	110	49	55	49	47	41	36	34	38	28



Roof Centrifugal Supply Air Fan

PSC-5063S



Impeller

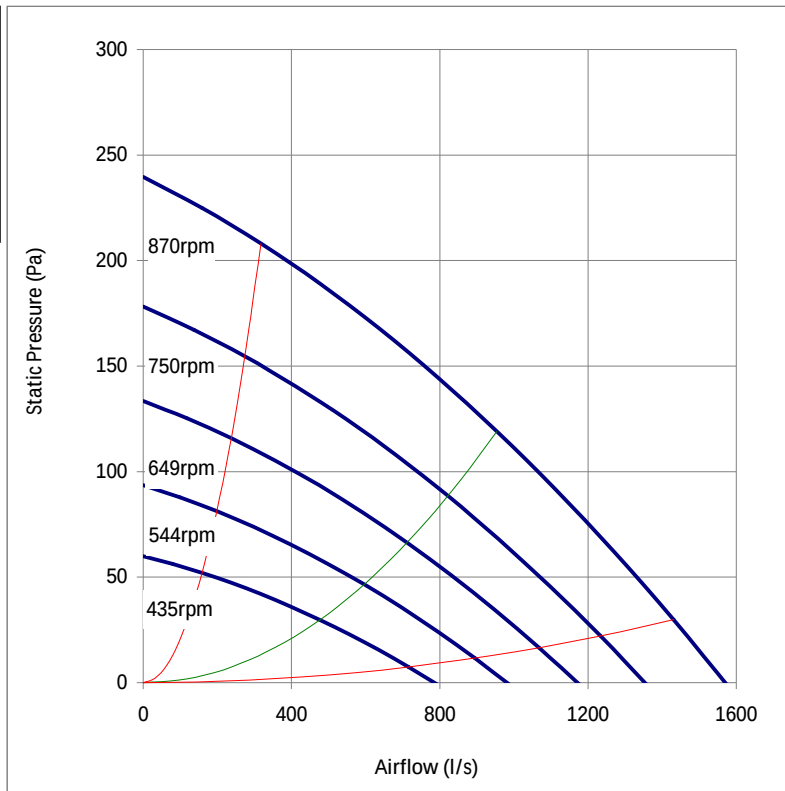
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

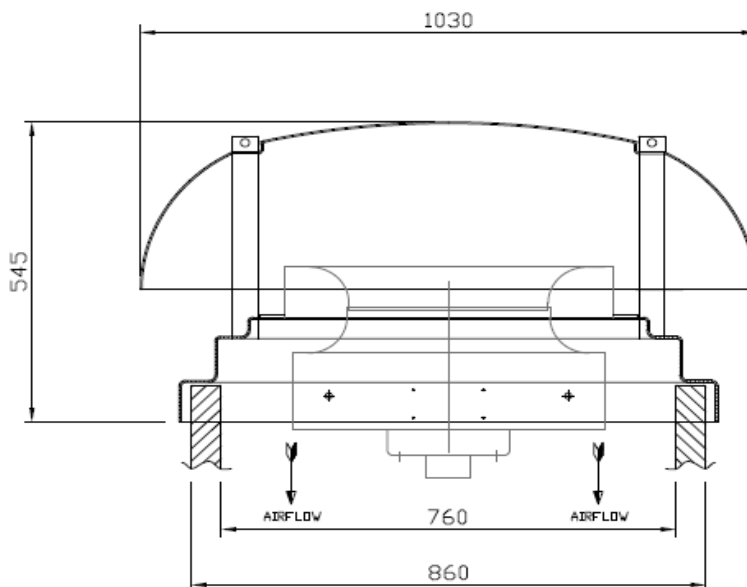
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.42 Kw
Power Supply 400V/3PH/50Hz
Speed 870 RPM
FLC 0.93 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	240	0.42	50	64	70	64	62	56	51	49	53	43
750	178	0.27	43	61	67	61	59	53	48	46	50	40
649	133	0.17	37	58	64	58	56	50	45	43	47	37
544	94	0.10	31	54	60	54	52	46	41	39	43	33
435	60	0.05	25	49	55	49	47	41	36	34	38	28



Roof Centrifugal Supply Air Fan

PSC-5643S



Impeller

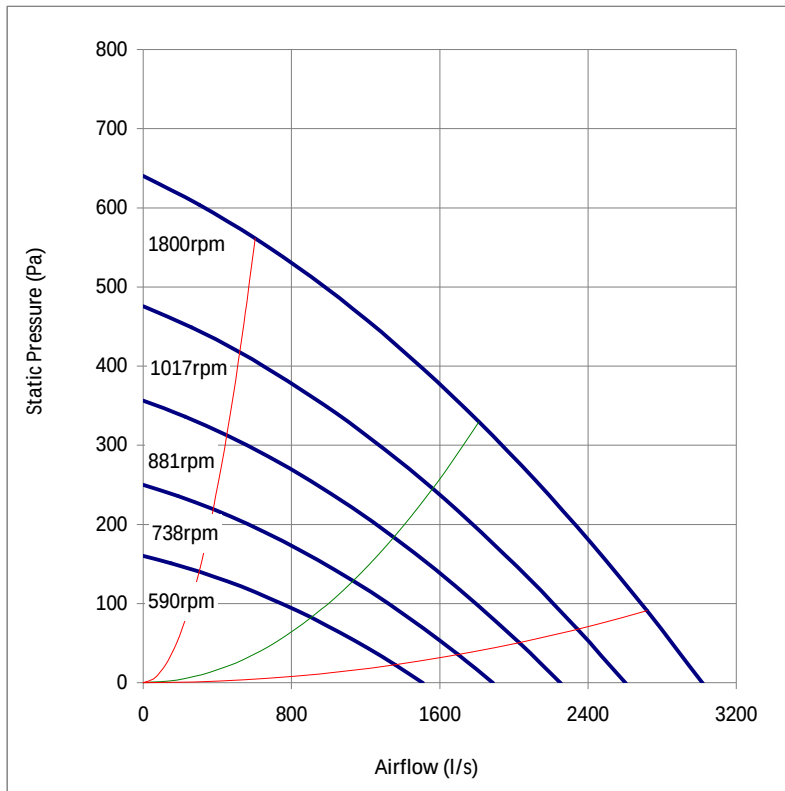
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

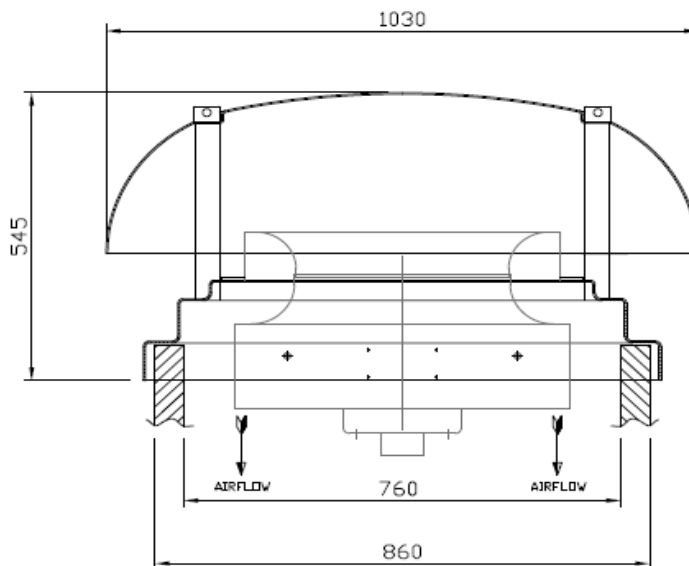
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.70 Kw
Power Supply 400V/3PH/50Hz
Speed 1180 RPM
FLC 3.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1180	640	1.70	50	70	80	73	68	63	58	56	62	52
1017	476	1.09	43	67	77	70	65	60	55	53	59	49
881	356	0.71	37	64	74	67	62	57	52	50	56	46
738	250	0.42	31	60	70	63	58	53	48	46	52	42
590	160	0.21	25	55	65	58	53	48	43	41	47	37



Roof Centrifugal Supply Air Fan

PSC-5661S



Impeller

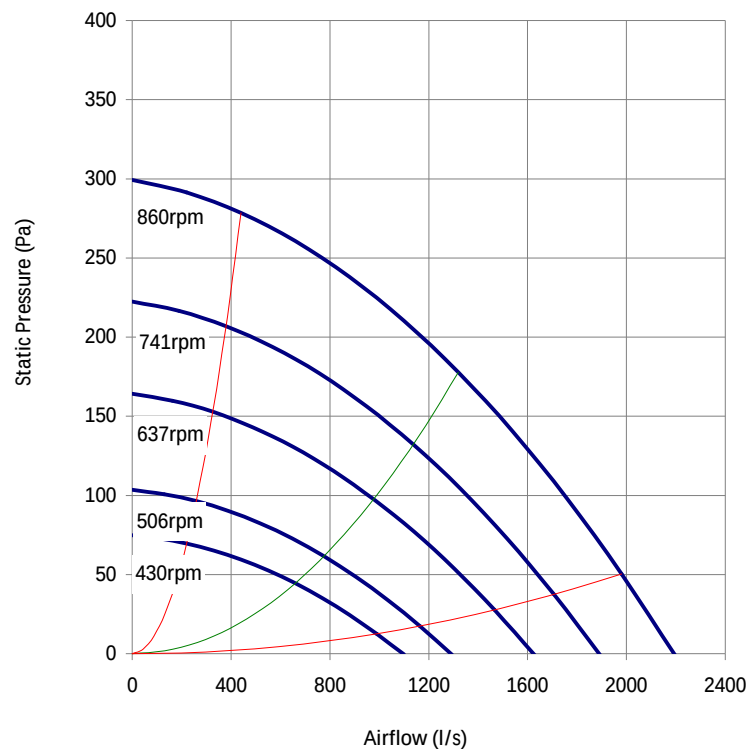
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

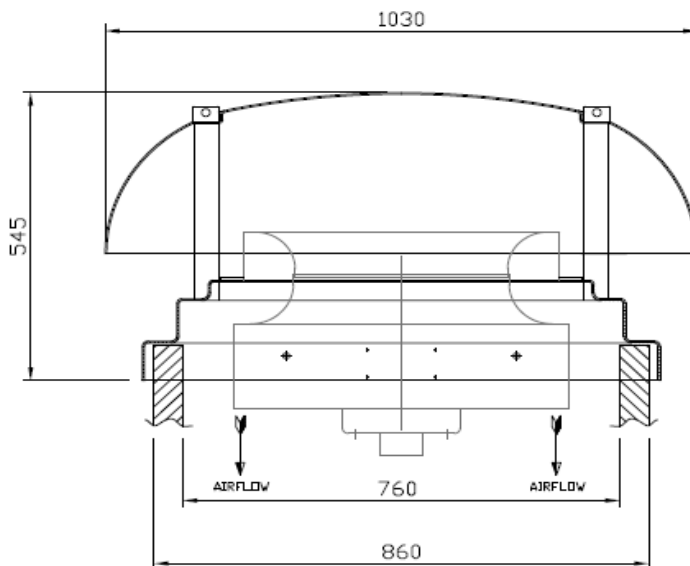
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.66 Kw
Power Supply 230V/1PH/50Hz
Speed 860 RPM
FLC 3.00 A
Capacitor 14 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
860	299	0.66	230	63	73	66	61	56	51	49	55	44
741	222	0.42	200	60	70	63	58	53	48	46	52	41
637	164	0.27	170	56	66	59	54	49	44	42	48	37
506	104	0.13	130	51	61	54	49	44	39	37	43	32
430	75	0.08	110	48	58	51	46	41	36	34	40	29



Roof Centrifugal Supply Air Fan

PSC-5663S



Impeller

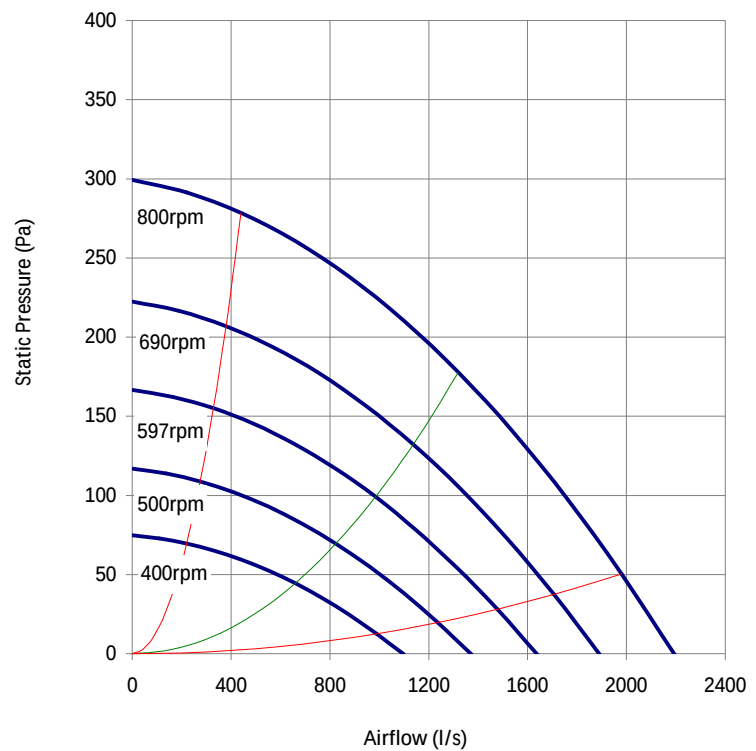
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

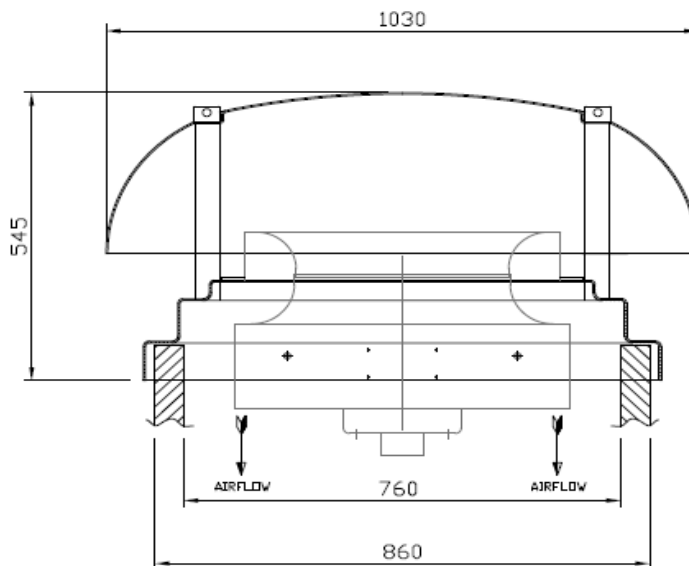
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.61 Kw
Power Supply 400V/3PH/50Hz
Speed 800 RPM
FLC 1.05 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 41 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
800	299	0.61	50	63	73	66	61	56	51	49	55	44
690	222	0.39	43	60	70	63	58	53	48	46	52	41
597	167	0.25	37	57	67	60	55	50	45	43	49	38
500	117	0.15	31	53	63	56	51	46	41	39	45	34
400	75	0.08	25	48	58	51	46	41	36	34	40	29



Roof Centrifugal Supply Air Fan

PSC-6343S



Impeller

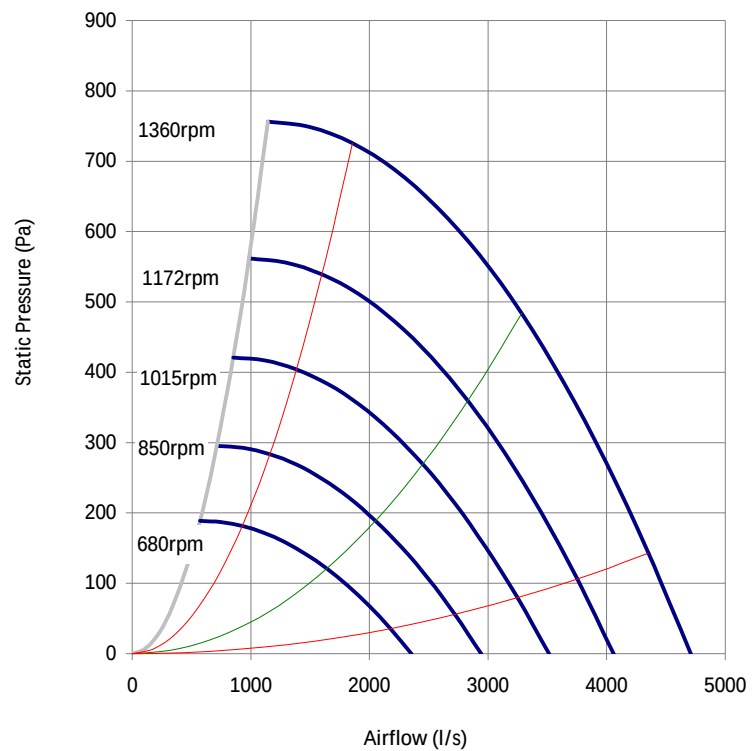
Size 630 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

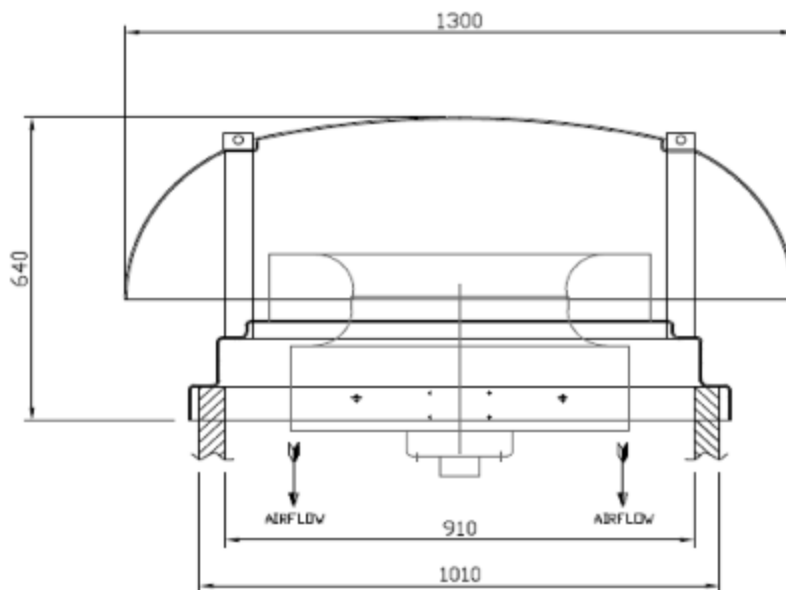
Type External Rotor
IP Rating 54
Insulation Class 155
Power 3.90 Kw
Power Supply 400V/3PH/50Hz
Speed 1360 RPM
FLC 6.60 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 55 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1360	756	3.90	50	81	86	82	77	78	72	69	64	60
1172	562	2.50	43	78	83	79	74	75	69	66	61	57
1015	421	1.62	37	75	80	76	71	72	66	63	58	54
850	295	0.95	31	71	76	72	67	68	62	59	54	50
680	189	0.49	25	66	71	67	62	63	57	54	49	45



Roof Centrifugal Supply Air Fan

PSC-6363S



Impeller

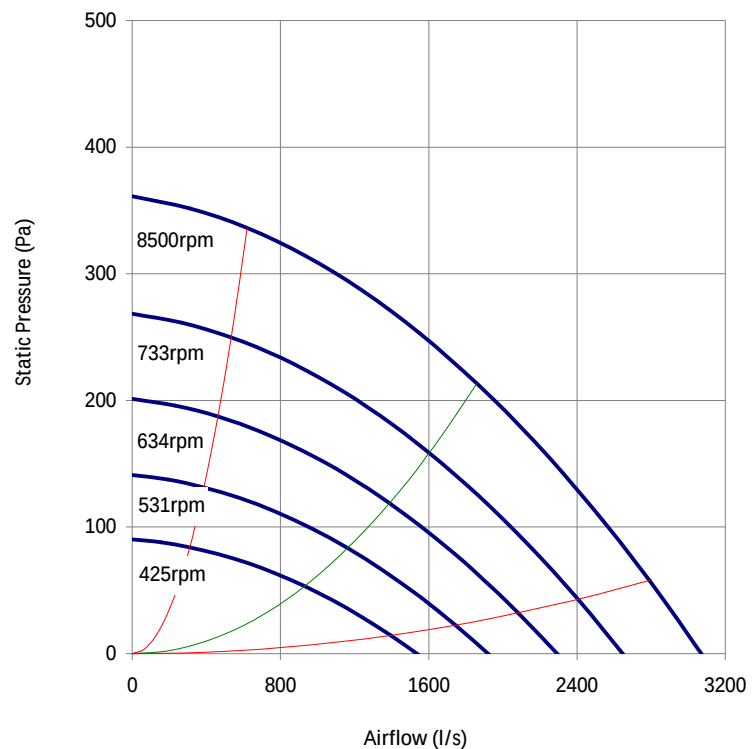
Size 630 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

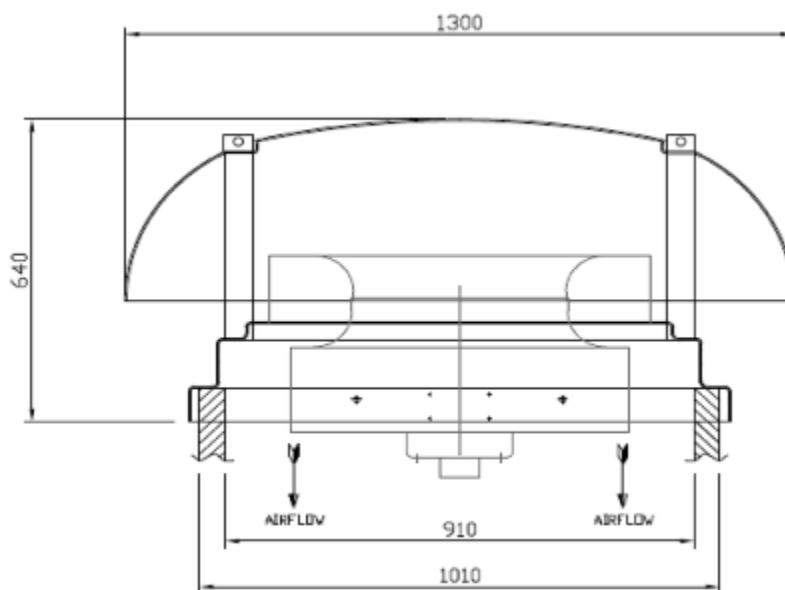
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 850 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Cowl Fibreglass UV Stabilised
Weight 55 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
850	361	1.10	50	73	78	74	69	70	64	61	56	53
733	268	0.70	43	70	75	71	66	67	61	58	53	50
634	201	0.46	37	67	72	68	63	64	58	55	50	47
531	141	0.27	31	63	68	64	59	60	54	51	46	43
425	90	0.14	25	58	63	59	54	55	49	46	41	38



PSCTT

- Tube Type Roof Mount Centrifugal Extract Fan
 - With External Rotor

SPECIFICATION

Sizes

150, 200mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

Ziehl-Abegg little blue low noise high efficiency centrifugal fan. The impellers are manufactured from steel material and balanced according to ISO1940.

Motors

Ziehl-Abegg asynchronous external rotor motors. Motor enclosure to feature IP44 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

Cowls

Tube and cowl of the fans are of aluminium, assembly to be supported by a galvanised steel. Bird mesh to be fit as standard.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745

Ziehl-Abegg little blue external rotor



Roof Centrifugal Tube Fan

PSCTT-1521



Impeller

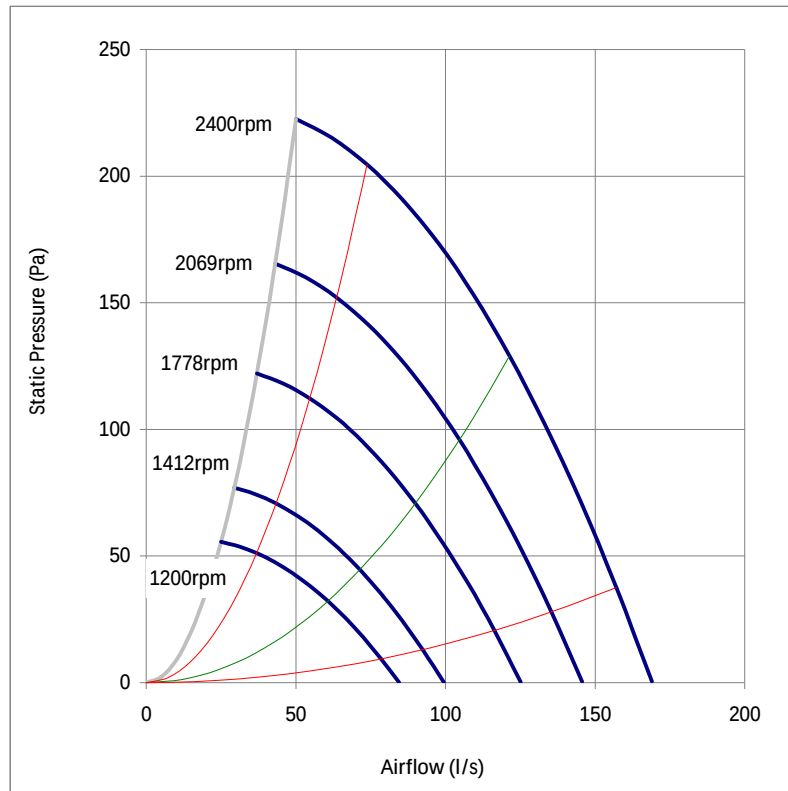
Size 190 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

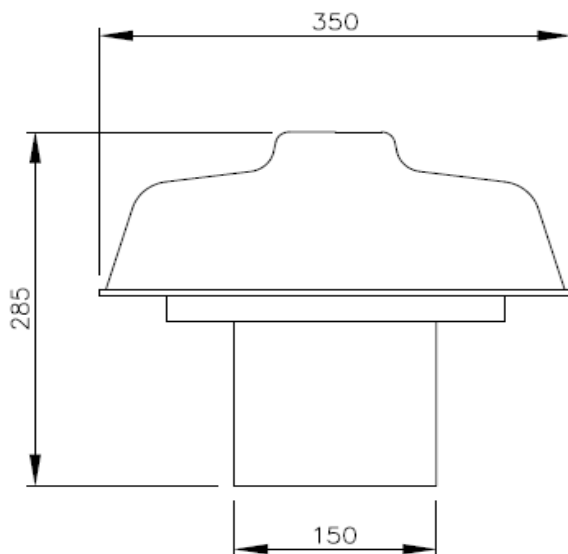
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 2400
FLC 0.29 A
Capacitor 2 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Aluminium
Weight 2.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2400	223	0.07	230	61	61	64	63	62	58	57	46	45
2069	165	0.04	200	57	58	60	59	59	55	54	43	42
1778	122	0.03	170	54	55	57	56	56	51	51	40	38
1412	77	0.01	130	49	50	52	51	51	46	46	35	33
1200	56	0.01	110	46	46	49	47	47	43	42	31	30



Roof Centrifugal Tube Fan

PSCTT-1541



Impeller

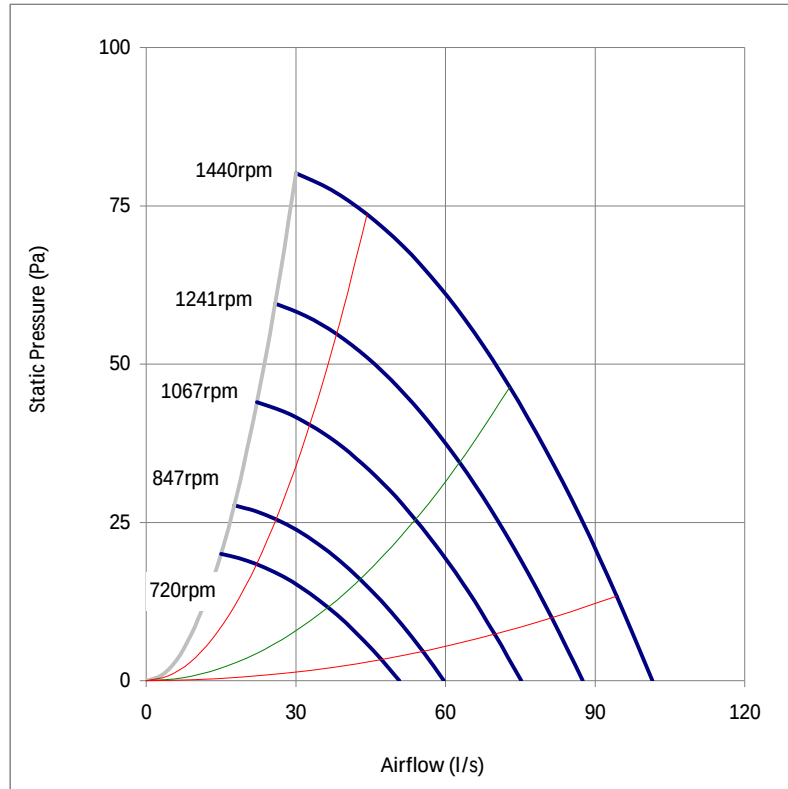
Size 190 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

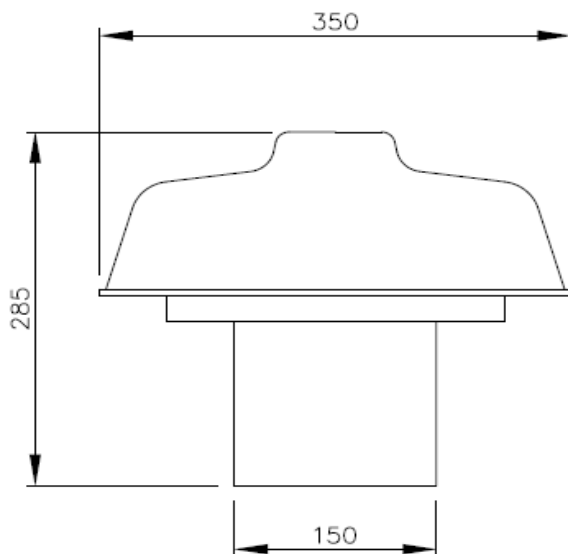
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.05 Kw
Power Supply 230V/1PH/50Hz
Speed 1440
FLC 0.25 A
Capacitor 2 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Aluminium
Weight 2 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1440	80	0.05	230	54	52	51	46	46	43	33	26	32
1241	60	0.03	200	50	48	48	43	42	40	29	22	29
1067	44	0.02	170	47	45	44	40	39	37	26	19	25
847	28	0.01	130	42	40	39	35	34	32	21	14	20
720	20	0.01	110	38	37	36	31	30	28	18	11	17



Roof Centrifugal Tube Fan

PSCTT-2021



Impeller

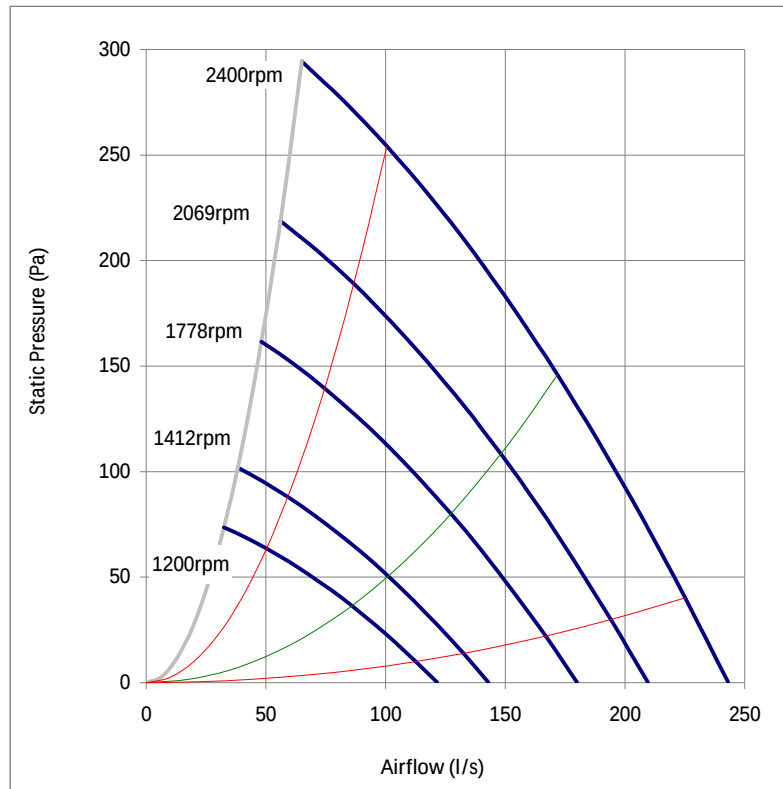
Size 200 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

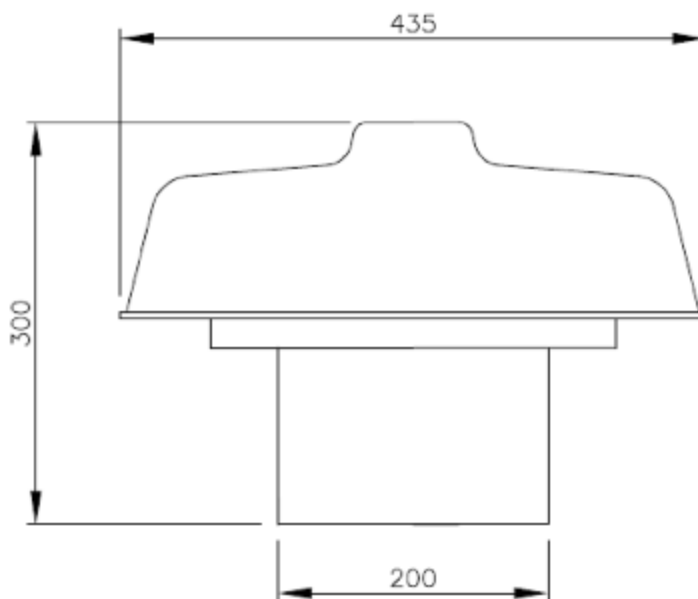
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 2400
FLC 0.43 A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Aluminium
Weight 3 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2400	294	0.10	230	63	70	66	67	65	58	59	50	50
2069	219	0.06	200	59	67	63	64	62	54	56	46	47
1778	162	0.04	170	56	64	60	60	59	51	52	43	43
1412	102	0.02	130	51	59	55	55	54	46	47	38	38
1200	74	0.01	110	48	55	51	52	50	42	44	35	35



Roof Centrifugal Tube Fan

PSCTT-2041



Impeller

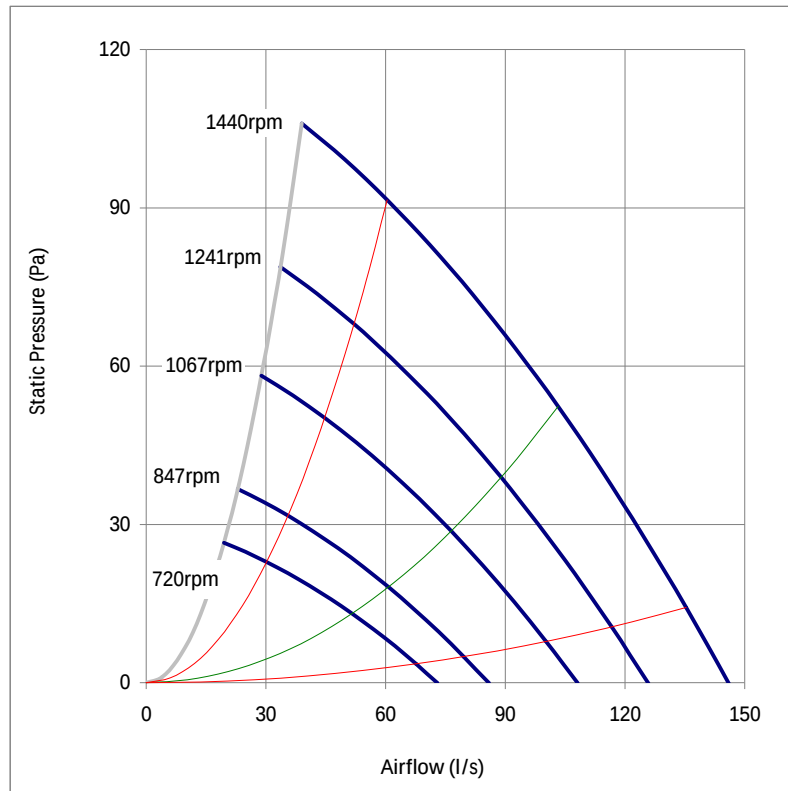
Size 200 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

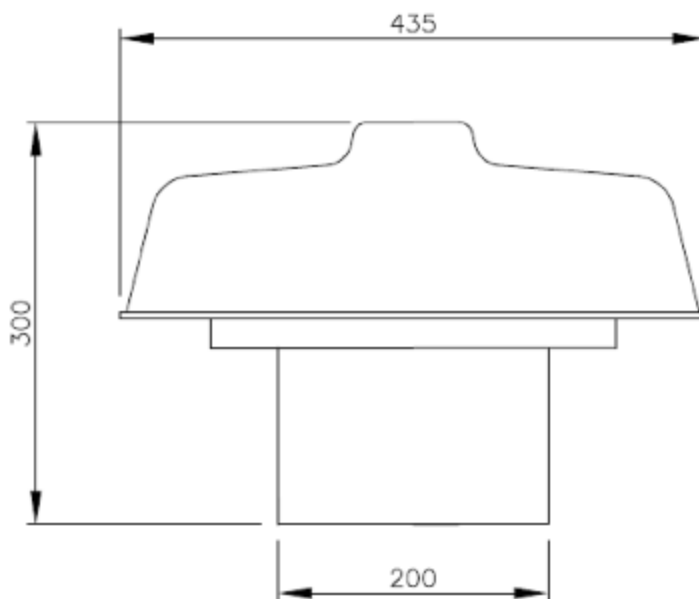
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 1440
FLC 0.37 A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Cowl Aluminium
Weight 3 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1440	106	0.08	230	56	61	53	51	49	43	35	29	37
1241	79	0.05	200	52	57	50	47	45	39	31	26	34
1067	58	0.03	170	49	54	47	44	42	36	28	23	30
847	37	0.02	130	44	49	42	39	37	31	23	18	25
720	27	0.01	110	40	45	38	36	34	28	20	14	22



ACCENT 3

- High Pressure High Airflow
- Inline Mixed Flow Fan

SPECIFICATION

Sizes

200, 250, 330, 400, 500, 630, 760mm diameter

Fan Performance

The Axcent 3 is a direct drive, Mixed Flow Fan unit of proven performance. The impeller is designed to give excellent performance characteristic with high static pressure development and high airflow without stall

Impellers

The impeller is of Woods patented design with integral inlet fairing spun to close tolerances for optimum performance. The impellers are manufactured from aluminium and balanced according to ISO1940.

Motors

Motor are totally enclosed airstream rated, squirrel cage induction type. Motor enclosure to feature IP55 protection. Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

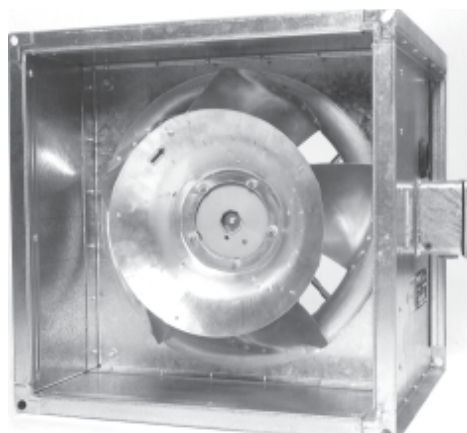
Casing

Casing of the fans are of galvanised steel, with TDC flanges system connection to suit either flexible duct or galvanised steel ductwork.

Test Procedures

Performance Data – Established from tests in accordance with ISO5801:1997

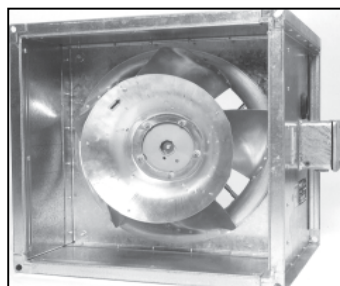
Sound levels – Established from tests in accordance with ISO3745



Woods Axcent 3 Mixed Flow Fan

Inline Mixed Flow Fan

AX3-200/4/1



Impeller

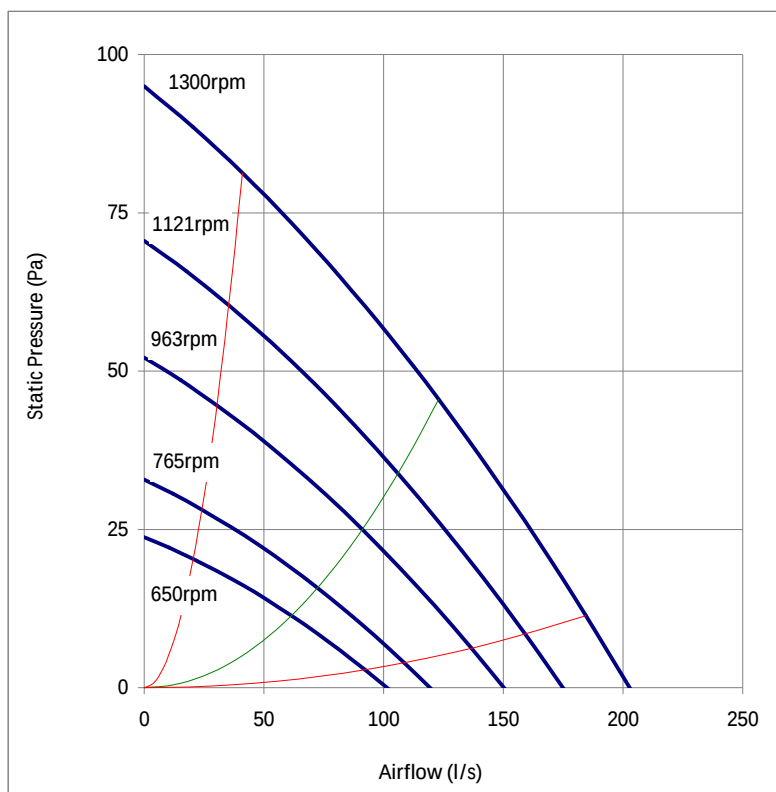
Size 200 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

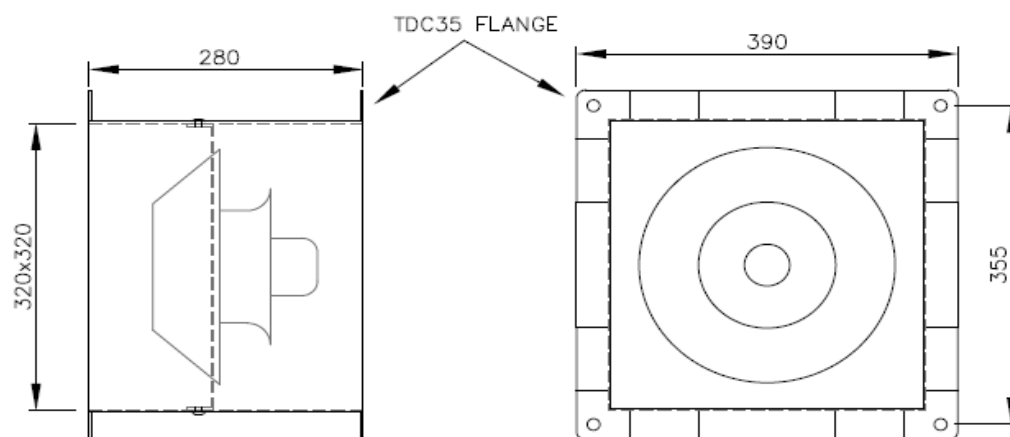
Type IE2
IP Rating 55
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 0.50 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 16 Kg
Max. Temp 50 °C

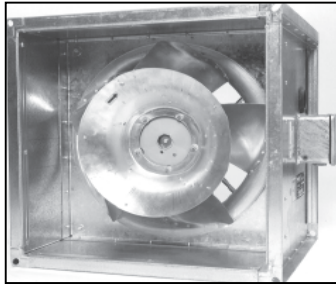


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	95	0.07	230	67	73	62	64	58	57	51	42	44
1121	71	0.04	200	64	70	59	61	55	54	48	39	41
963	52	0.03	170	60	66	55	57	51	50	44	35	37
765	33	0.01	130	55	61	50	52	46	45	39	30	32
650	24	0.01	110	52	58	47	49	43	42	36	27	29



Inline Mixed Flow Fan

AX3-250/4/1



Impeller

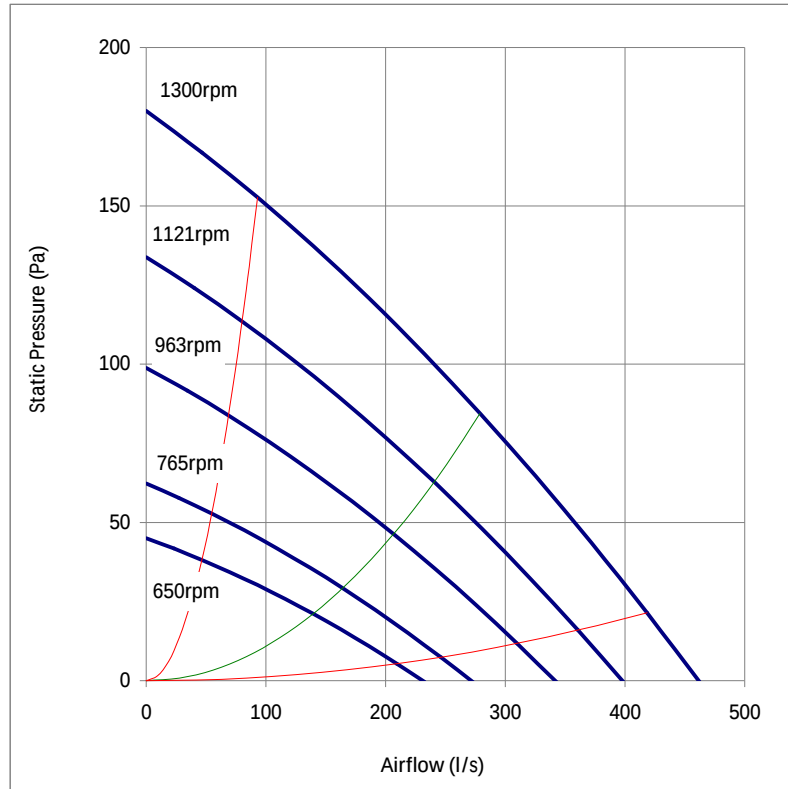
Size 250 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

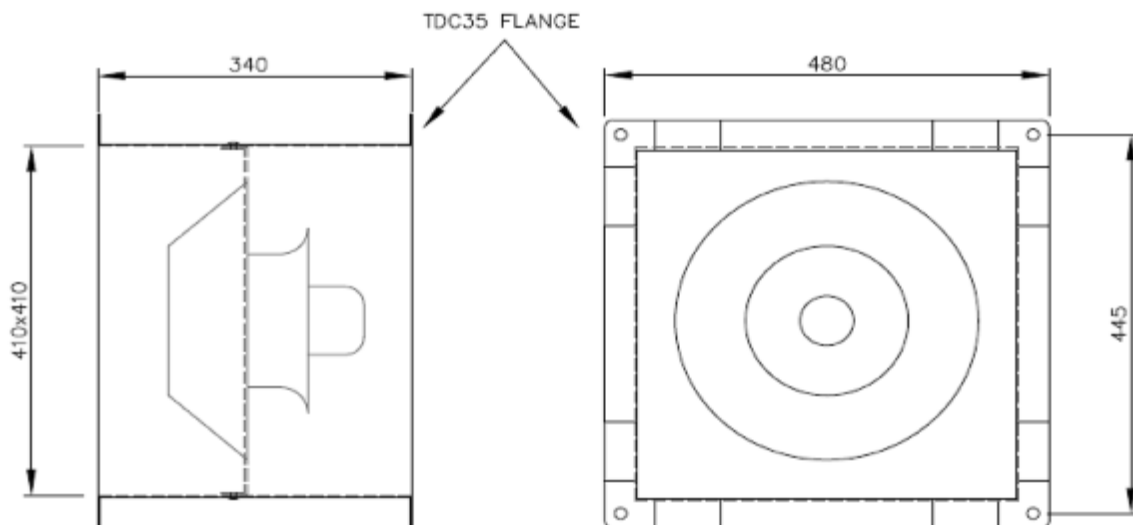
Type IE2
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 0.80 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 25 Kg
Max. Temp 50 °C

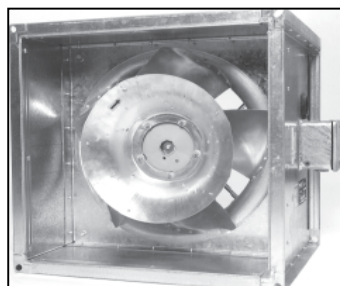


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	180	0.10	230	73	76	69	65	67	65	61	57	50
1121	134	0.06	200	70	73	66	62	64	62	58	54	47
963	99	0.04	170	66	69	62	58	60	58	54	50	43
765	62	0.02	130	61	64	57	53	55	53	49	45	38
650	45	0.01	110	58	61	54	50	52	50	46	42	35



Inline Mixed Flow Fan

AX3-330/4/1



Impeller

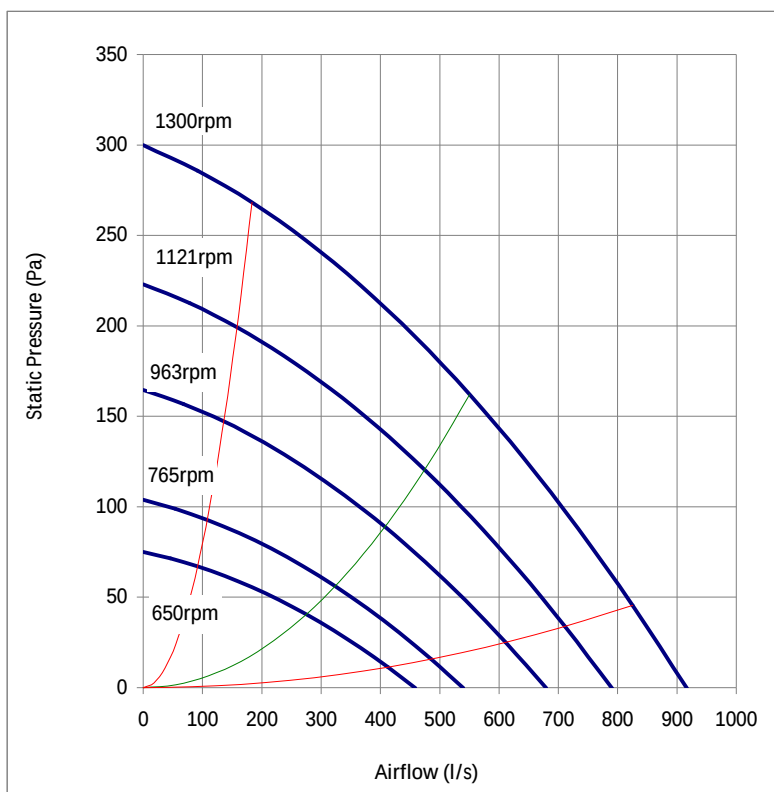
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

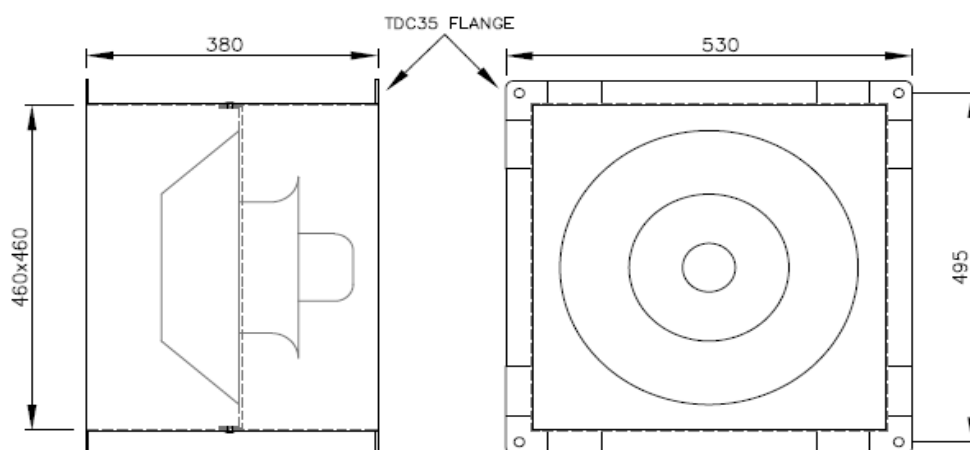
Type IE2
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 230V/1PH/50Hz
Speed 1300 rpm
FLC 1.80 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 30 Kg
Max. Temp 50 °C

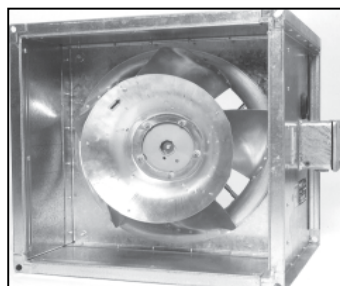


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	300	0.22	230	78	83	78	71	71	69	64	57	57
1121	223	0.14	200	75	80	75	68	68	66	61	54	54
963	165	0.09	170	71	76	71	64	64	62	57	50	50
765	104	0.04	130	66	71	66	59	59	57	52	45	45
650	75	0.03	110	63	68	63	56	56	54	49	42	42



Inline Mixed Flow Fan

AX3-330/4/3



Impeller

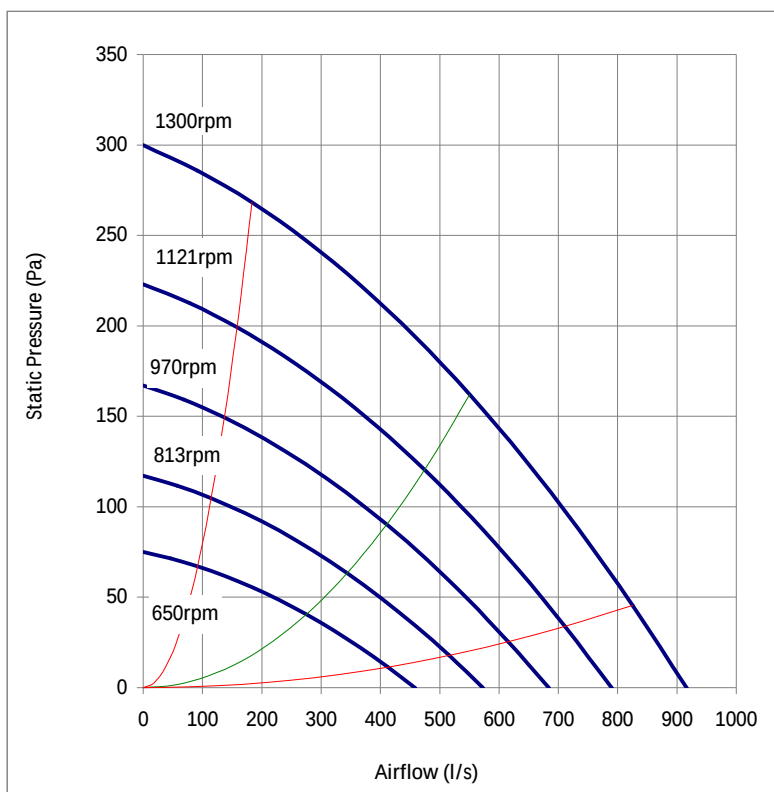
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

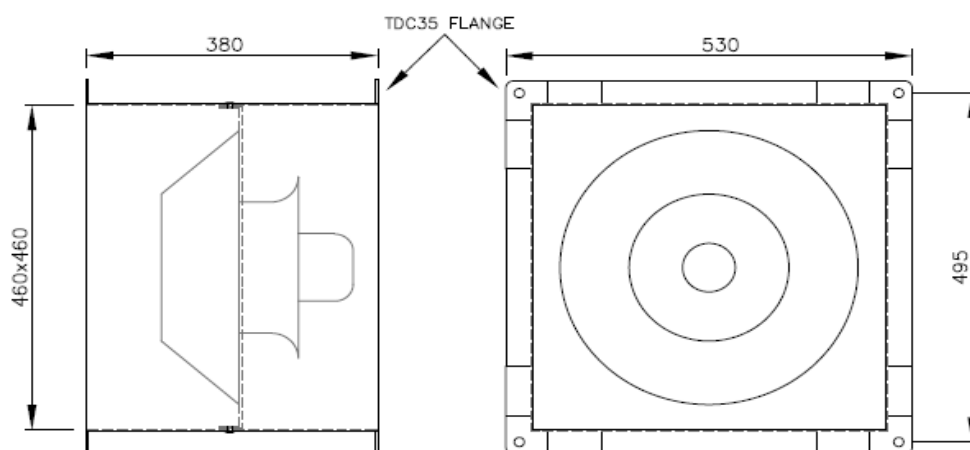
Type IE2
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 400V/3PH/50Hz
Speed 1300 rpm
FLC 0.70 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 32 Kg
Max. Temp 50 °C

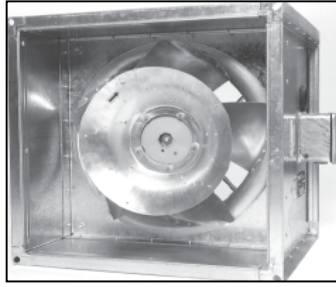


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1300	300	0.22	50	78	83	78	71	71	69	64	57	57
1121	223	0.14	43	75	80	75	68	68	66	61	54	54
970	167	0.09	37	72	77	72	65	65	63	58	51	51
813	117	0.05	31	68	73	68	61	61	59	54	47	47
650	75	0.03	25	63	68	63	56	56	54	49	42	42



Inline Mixed Flow Fan

AX3-330/6/1



Impeller

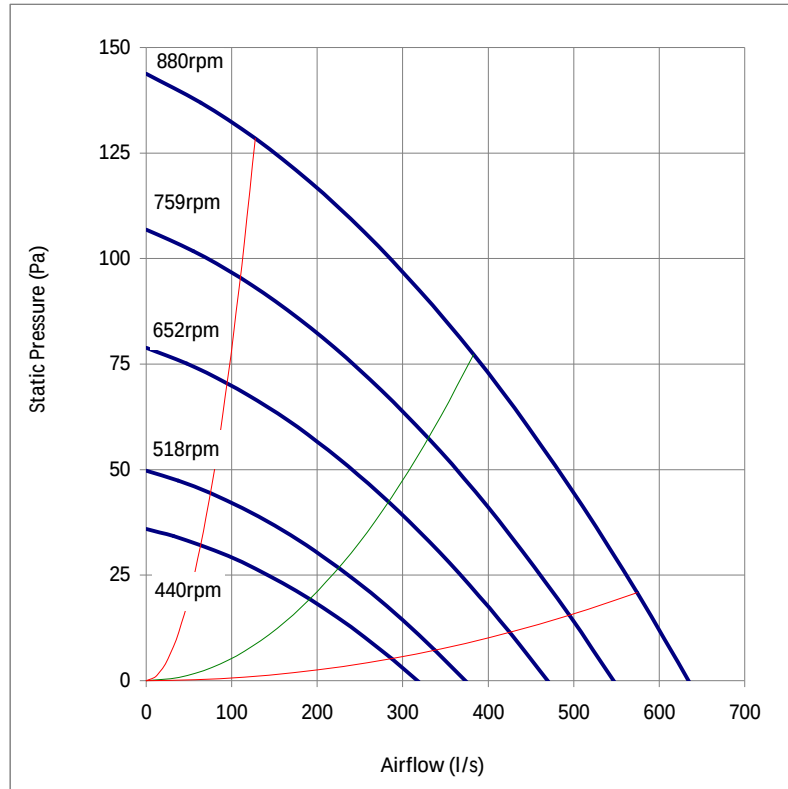
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Aluminium

Motor

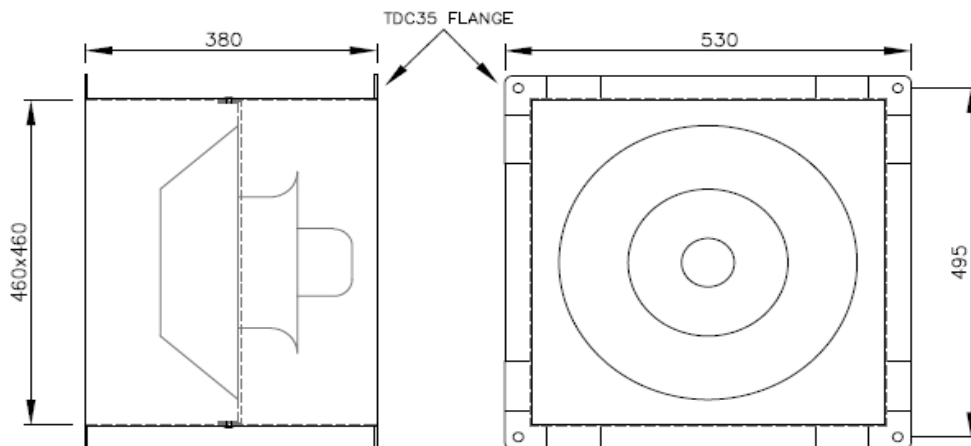
Type IE2
IP Rating 55
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 880 rpm
FLC 1.00 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 30 Kg
Max. Temp 50 °C

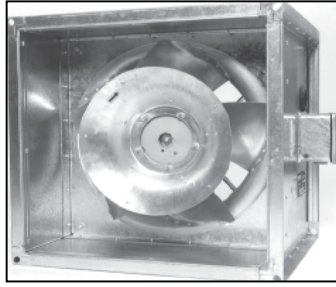


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	144	0.08	230	73	74	68	61	60	57	54	46	46
759	107	0.05	200	70	71	65	58	57	54	51	43	43
652	79	0.03	170	66	67	61	54	53	50	47	39	39
518	50	0.02	130	61	62	56	49	48	45	42	34	34
440	36	0.01	110	58	59	53	46	45	42	39	31	31



Inline Mixed Flow Fan

AX3-330/6/3



Impeller

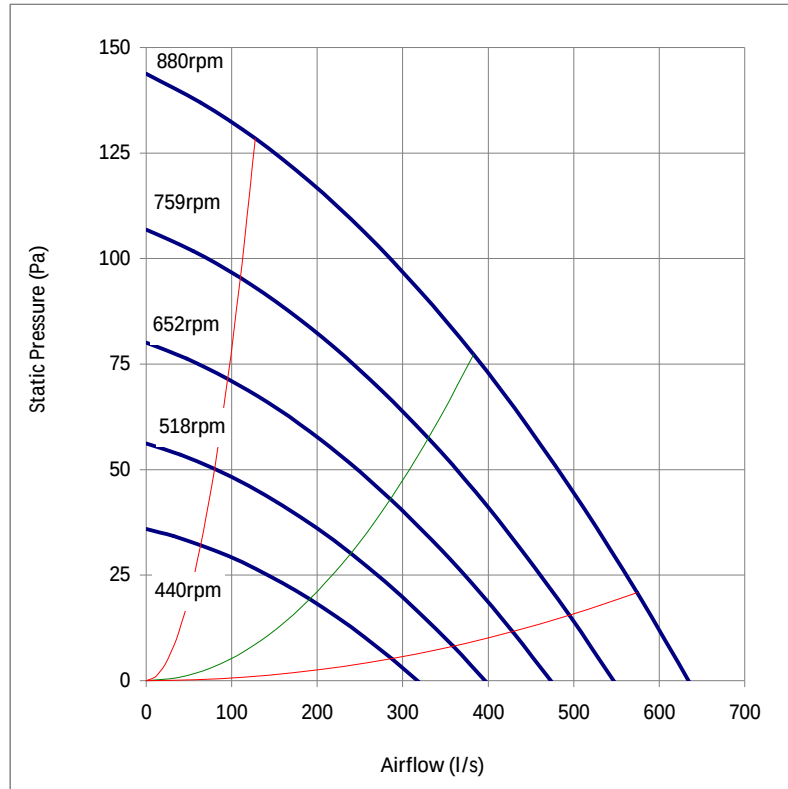
Size 330 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

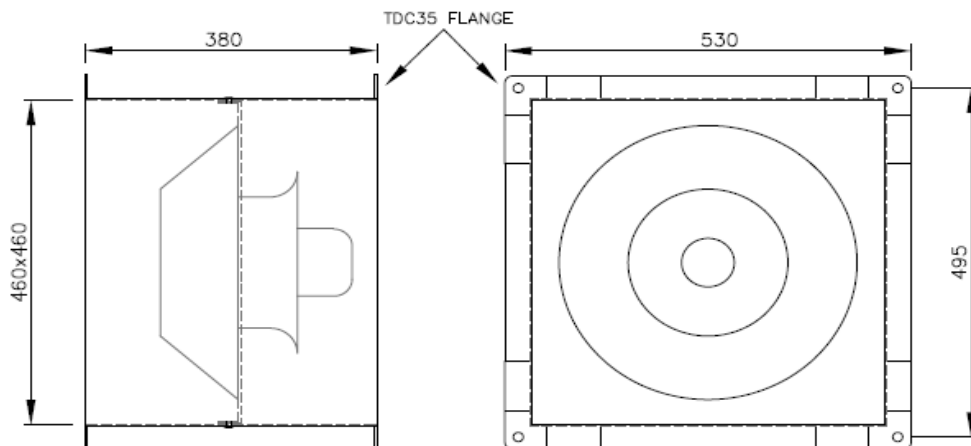
Type IE2
IP Rating 55
Insulation Class 155
Power 0.18 Kw
Power Supply 400V/3PH/50Hz
Speed 880 rpm
FLC 1.00 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 30 Kg
Max. Temp 50 °C

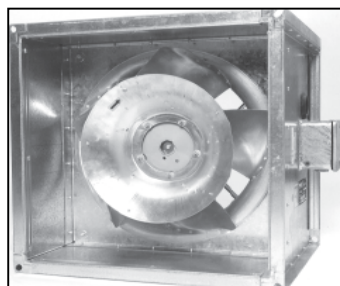


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	144	0.18	50	73	74	68	61	60	57	54	46	46
759	107	0.12	43	70	71	65	58	57	54	51	43	43
657	80	0.07	37	67	68	62	55	54	51	48	40	40
550	56	0.04	31	63	64	58	51	50	47	44	36	36
440	36	0.02	25	58	59	53	46	45	42	39	31	31



Inline Mixed Flow Fan

AX3-400/4/1



Impeller

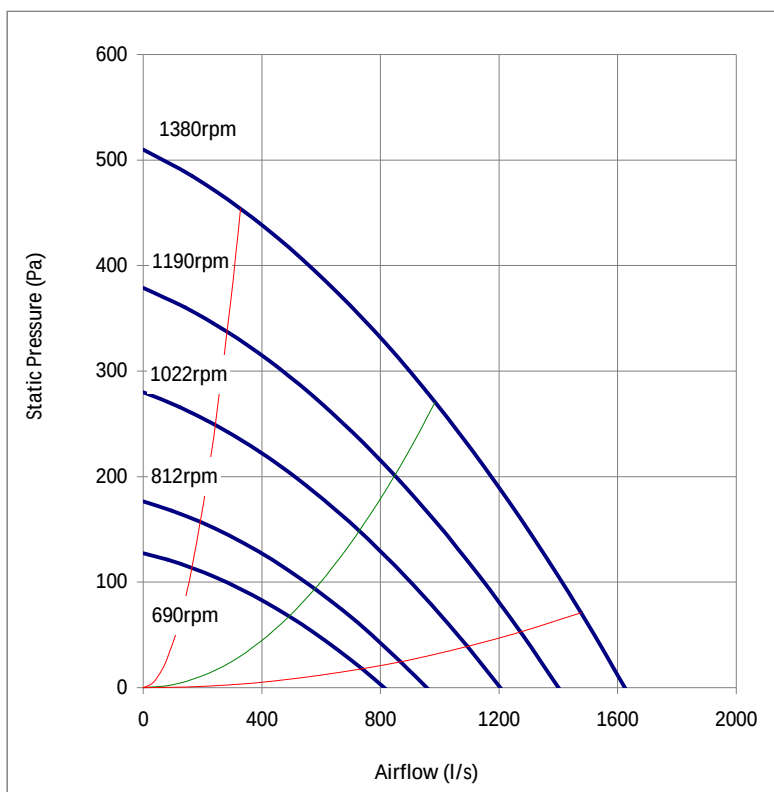
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

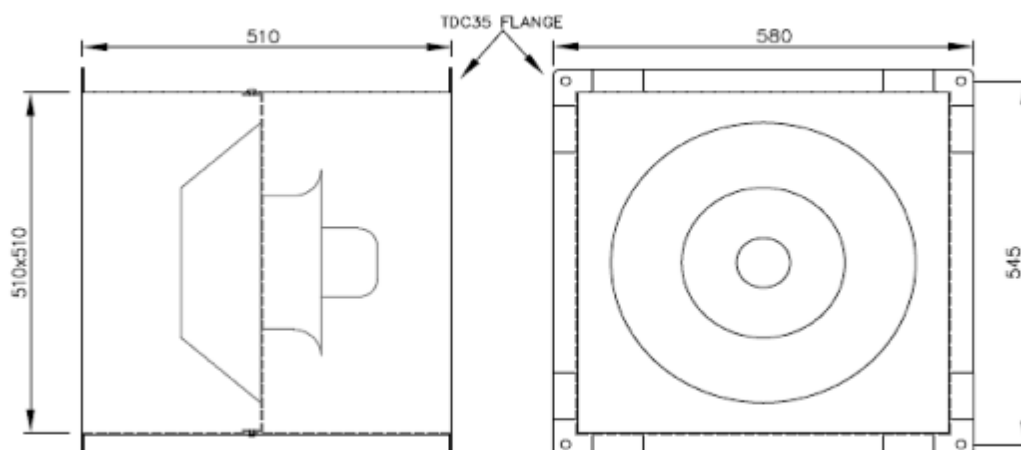
Type IE2
IP Rating 55
Insulation Class 155
Power 0.50 Kw
Power Supply 230V/1PH/50Hz
Speed 1380 rpm
FLC 3.40 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 38 Kg
Max. Temp 50 °C

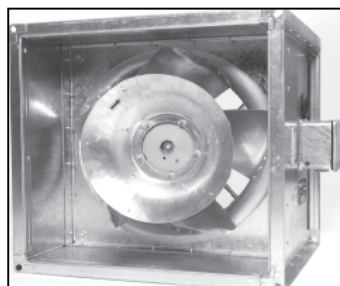


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1380	510	0.50	230	81	84	83	77	77	74	70	65	61
1190	379	0.32	200	78	81	80	74	74	71	67	62	58
1022	280	0.20	170	74	77	76	70	70	67	63	58	54
812	176	0.10	130	69	72	71	65	65	62	58	53	49
690	128	0.06	110	66	69	68	62	62	59	55	50	46



Inline Mixed Flow Fan

AX3-400/4/3



Impeller

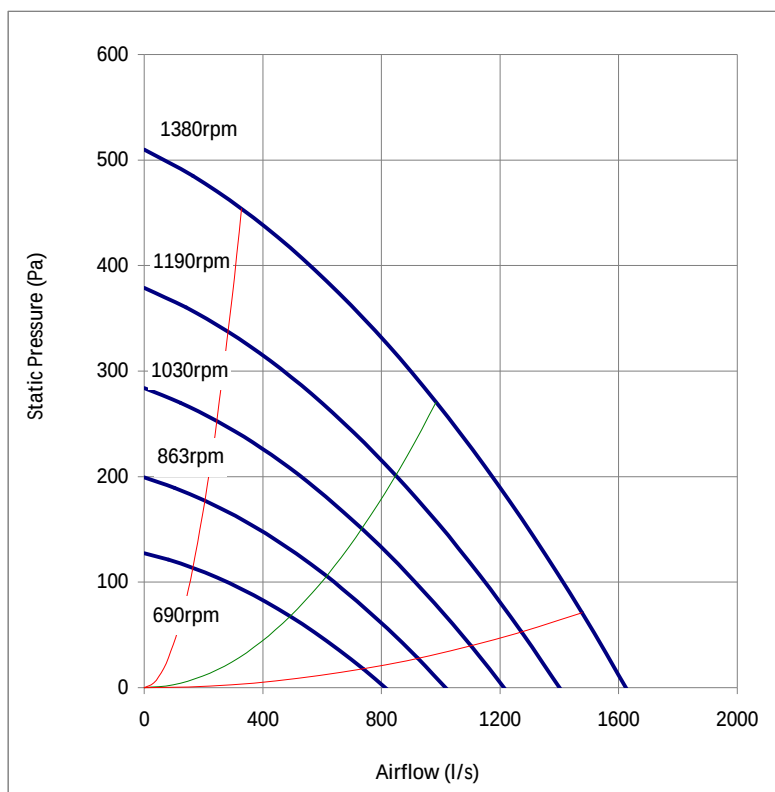
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

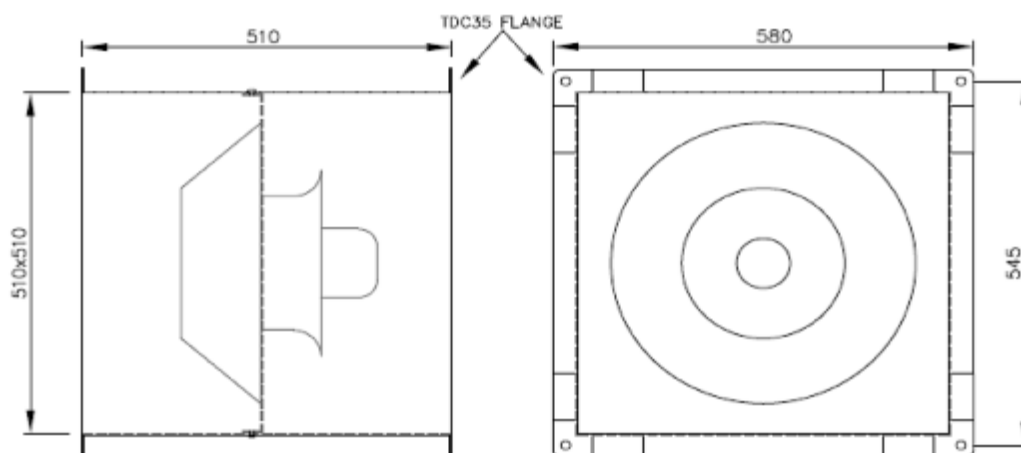
Type IE2
IP Rating 55
Insulation Class 155
Power 0.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1380 rpm
FLC 1.30 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 38 Kg
Max. Temp 50 °C

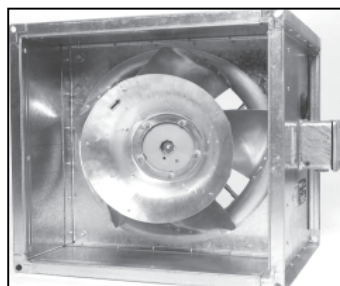


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1380	510	0.50	50	81	84	83	77	77	74	70	65	61
1190	379	0.32	43	78	81	80	74	74	71	67	62	58
1030	284	0.21	37	75	78	77	71	71	68	64	59	55
863	199	0.12	31	71	74	73	67	67	64	60	55	51
690	128	0.06	25	66	69	68	62	62	59	55	50	46



Inline Mixed Flow Fan

AX3-400/6/1



Impeller

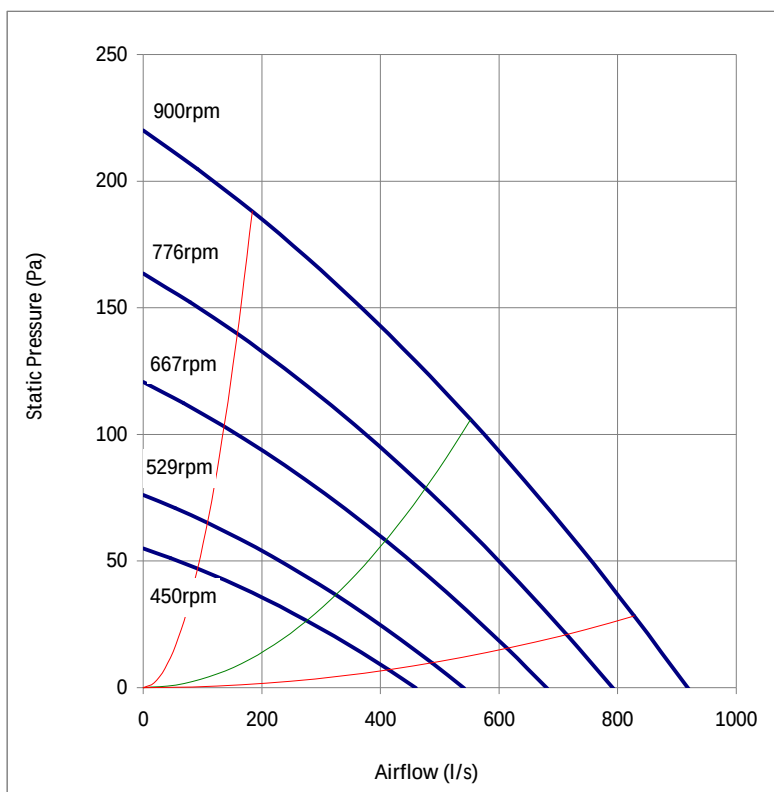
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

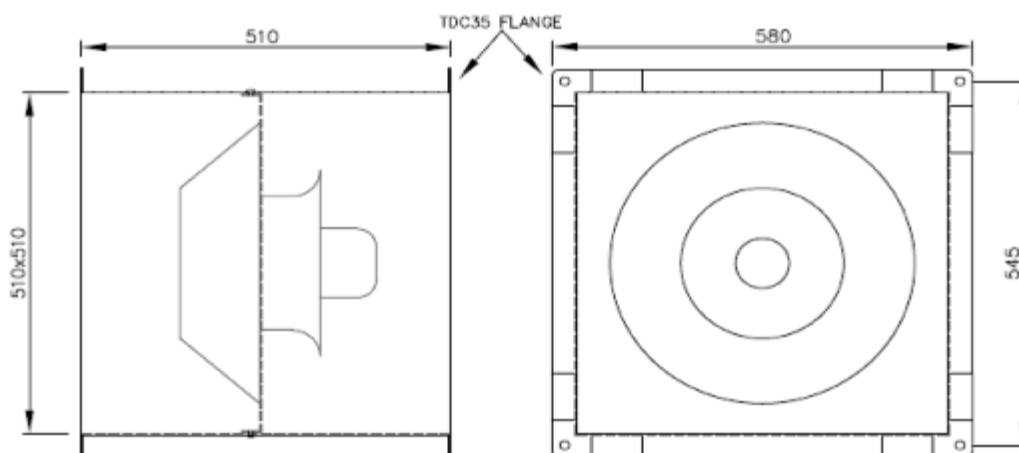
Type IE2
IP Rating 55
Insulation Class 155
Power 0.14 Kw
Power Supply 230V/1PH/50Hz
Speed 900 rpm
FLC 1.25 A
Capacitor
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 35 Kg
Max. Temp 50 °C

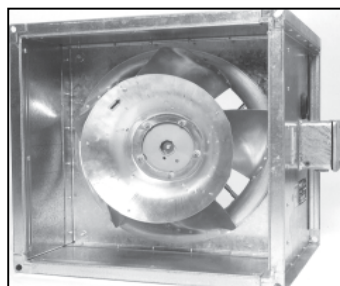


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	220	0.14	230	73	74	71	66	66	63	60	51	51
776	163	0.09	200	70	71	68	63	63	60	57	48	48
667	121	0.06	170	66	67	64	59	59	56	53	44	44
529	76	0.03	130	61	62	59	54	54	51	48	39	39
450	55	0.02	110	58	59	56	51	51	48	45	36	36



Inline Mixed Flow Fan

AX3-400/6/3



Impeller

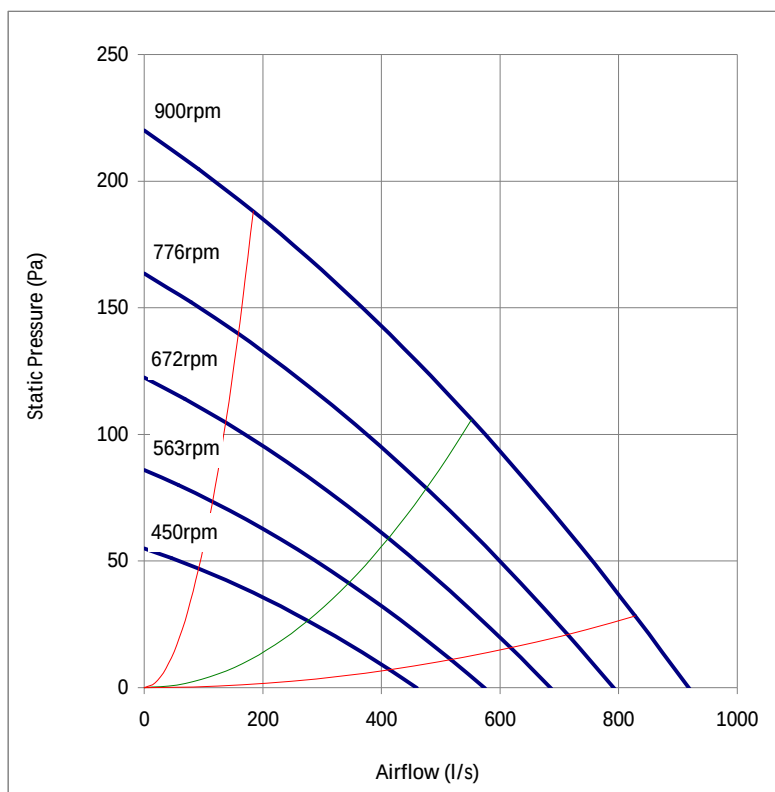
Size 400 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

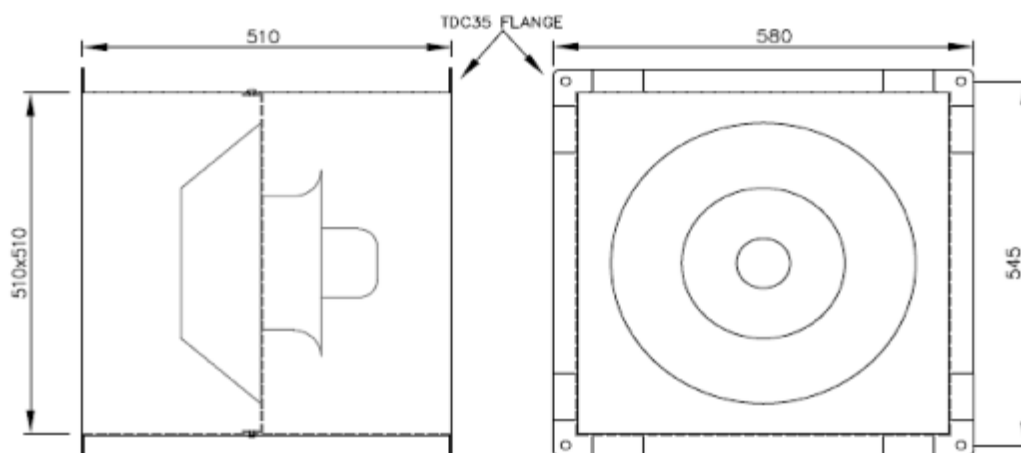
Type IE2
IP Rating 55
Insulation Class 155
Power 0.18 Kw
Power Supply 400V/3PH/50Hz
Speed 900 rpm
FLC 0.80 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 35 Kg
Max. Temp 50 °C

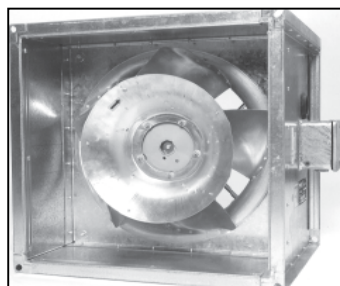


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	220	0.18	50	73	74	71	66	66	63	60	51	51
776	163	0.12	43	70	71	68	63	63	60	57	48	48
672	123	0.07	37	67	68	65	60	60	57	54	45	45
563	86	0.04	31	63	64	61	56	56	53	50	41	41
450	55	0.02	25	58	59	56	51	51	48	45	36	36



Inline Mixed Flow Fan

AX3-500/4/3



Impeller

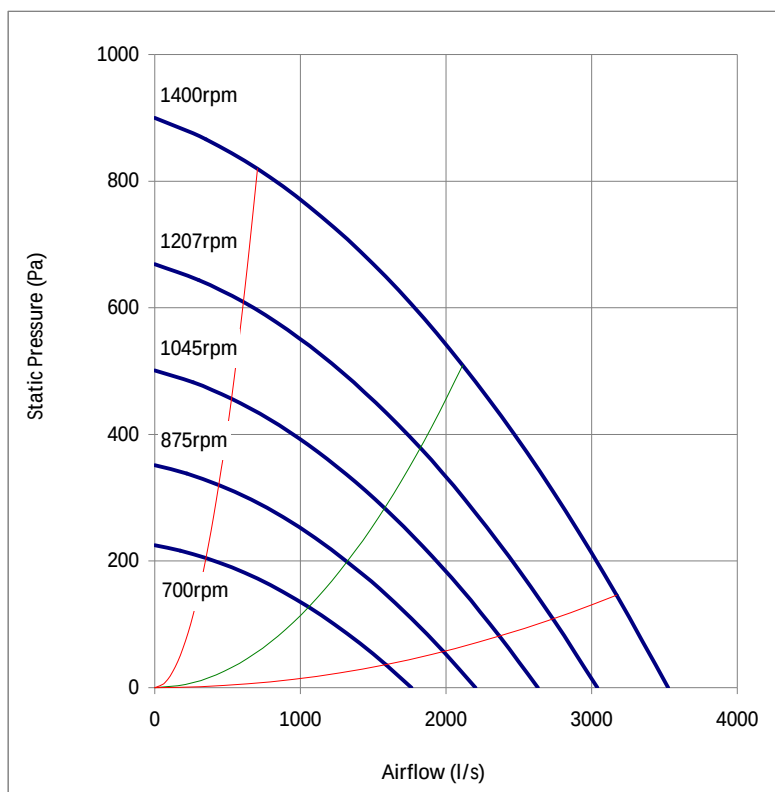
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

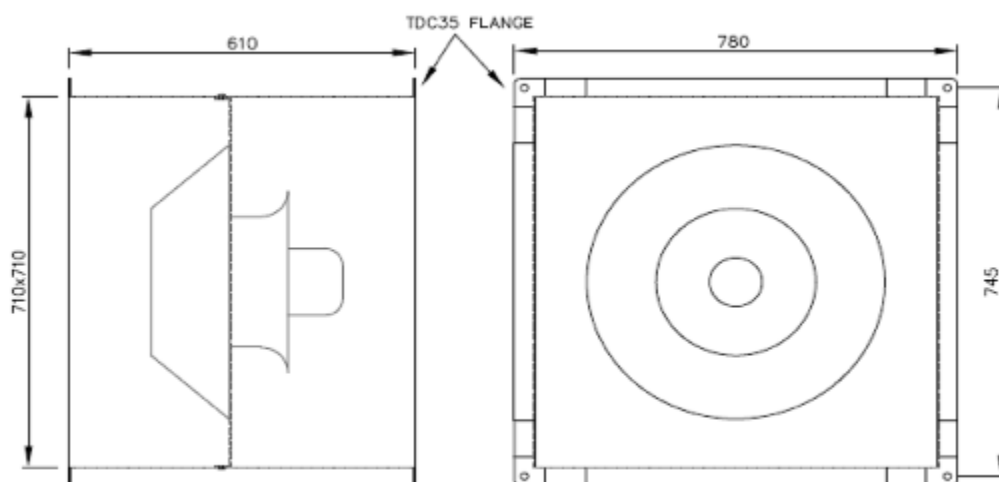
Type IE2
IP Rating 55
Insulation Class 155
Power 2.30 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 rpm
FLC 5.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 76 Kg
Max. Temp 50 °C

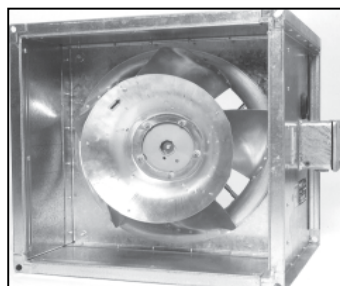


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	900	2.30	50	91	93	92	88	86	83	79	74	71
1207	669	1.47	43	88	90	89	85	83	80	76	71	68
1045	501	0.96	37	85	87	86	82	80	77	73	68	65
875	352	0.56	31	81	83	82	78	76	73	69	64	61
700	225	0.29	25	76	78	77	73	71	68	64	59	56



Inline Mixed Flow Fan

AX3-500/6/1



Impeller

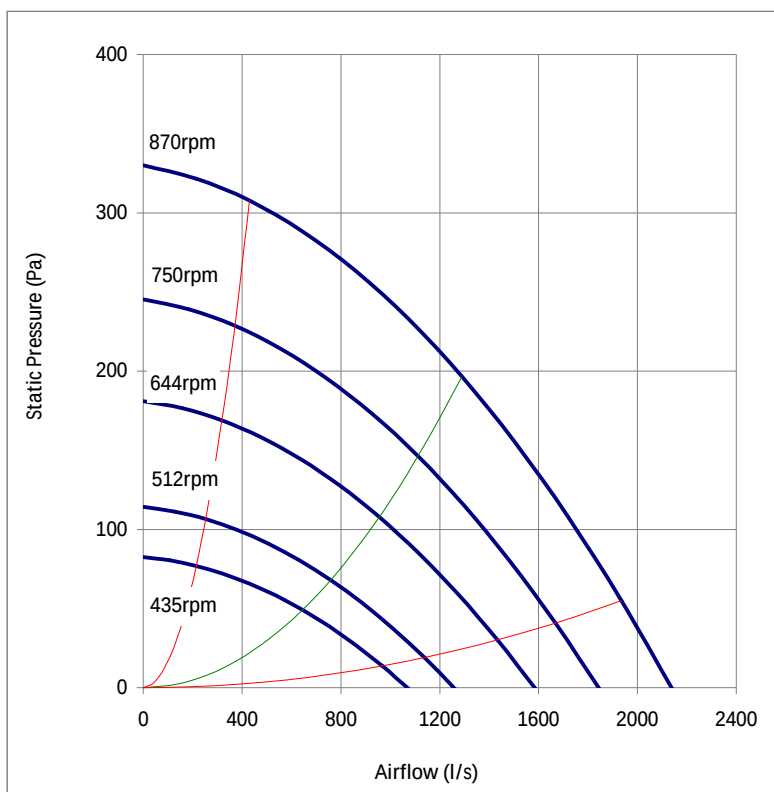
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

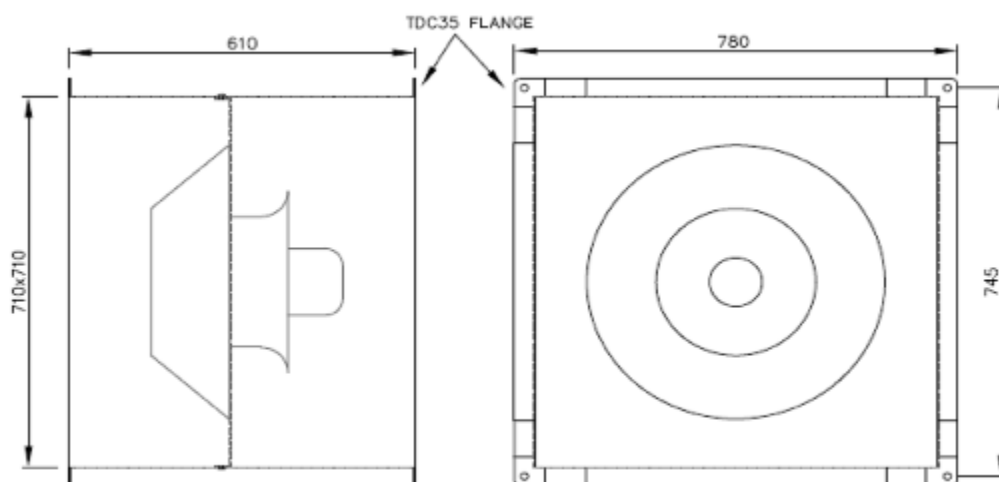
Type IE2
IP Rating 55
Insulation Class 155
Power 0.43 Kw
Power Supply 230V/1PH/50Hz
Speed 870 rpm
FLC 3.30 A
Capacitor
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 72 Kg
Max. Temp 50 °C

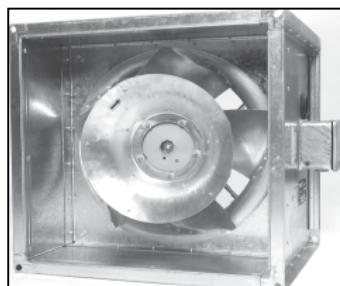


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	330	0.43	230	82	81	80	74	72	69	64	59	58
750	245	0.28	200	79	78	77	71	69	66	61	56	55
644	181	0.17	170	75	74	73	67	65	62	57	52	51
512	114	0.09	130	70	69	68	62	60	57	52	47	46
435	83	0.05	110	67	66	65	59	57	54	49	44	43



Inline Mixed Flow Fan

AX3-500/6/3



Impeller

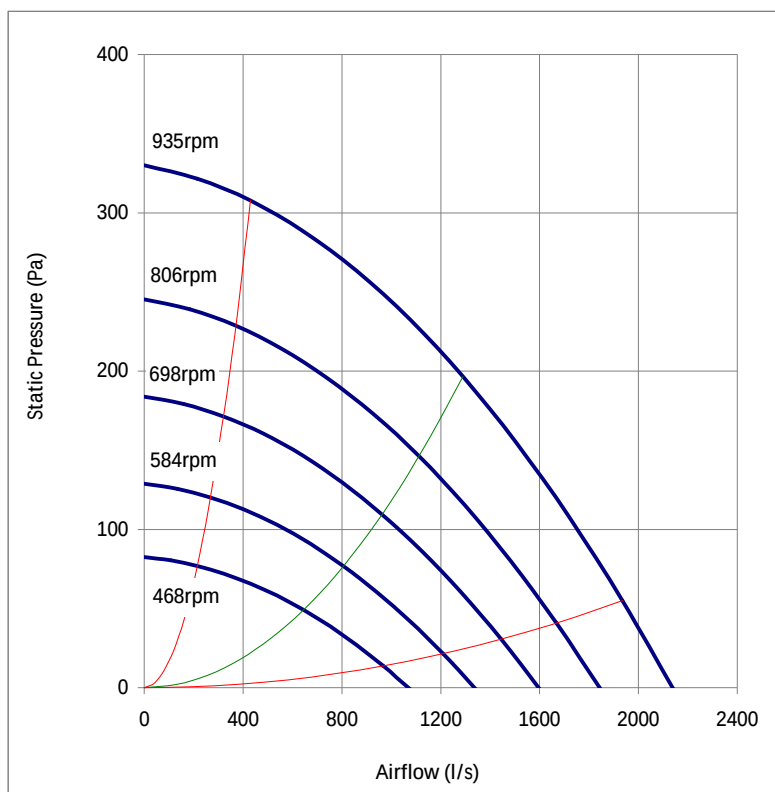
Size 500 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

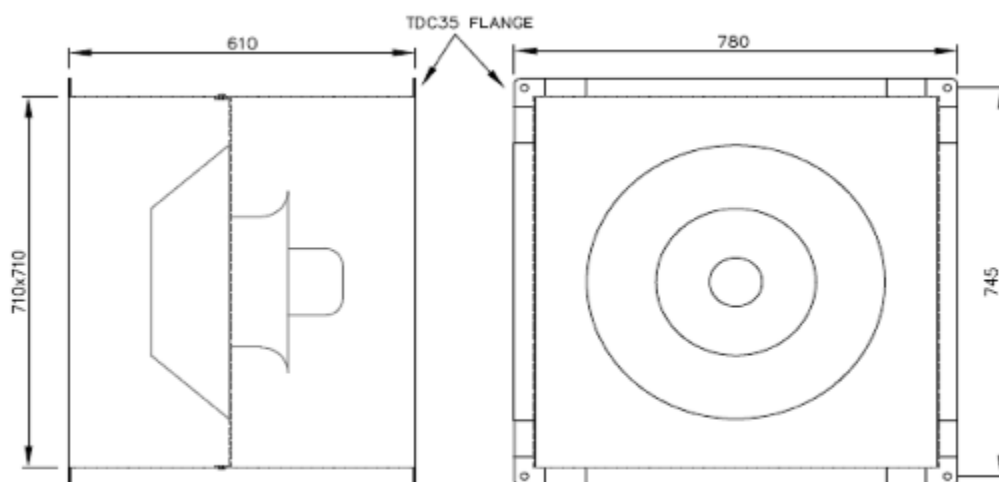
Type IE2
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 935 rpm
FLC 1.80 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 74 Kg
Max. Temp 50 °C

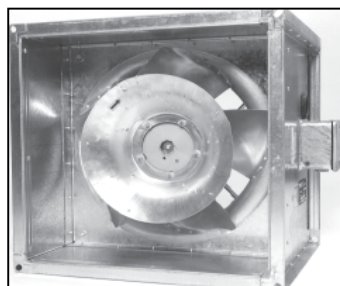


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
935	330	0.55	50	82	81	80	74	72	69	64	59	58
806	245	0.35	43	79	78	77	71	69	66	61	56	55
698	184	0.23	37	76	75	74	68	66	63	58	53	52
584	129	0.13	31	72	71	70	64	62	59	54	49	48
468	83	0.07	25	67	66	65	59	57	54	49	44	43



Inline Mixed Flow Fan

AX3-630/6/3



Impeller

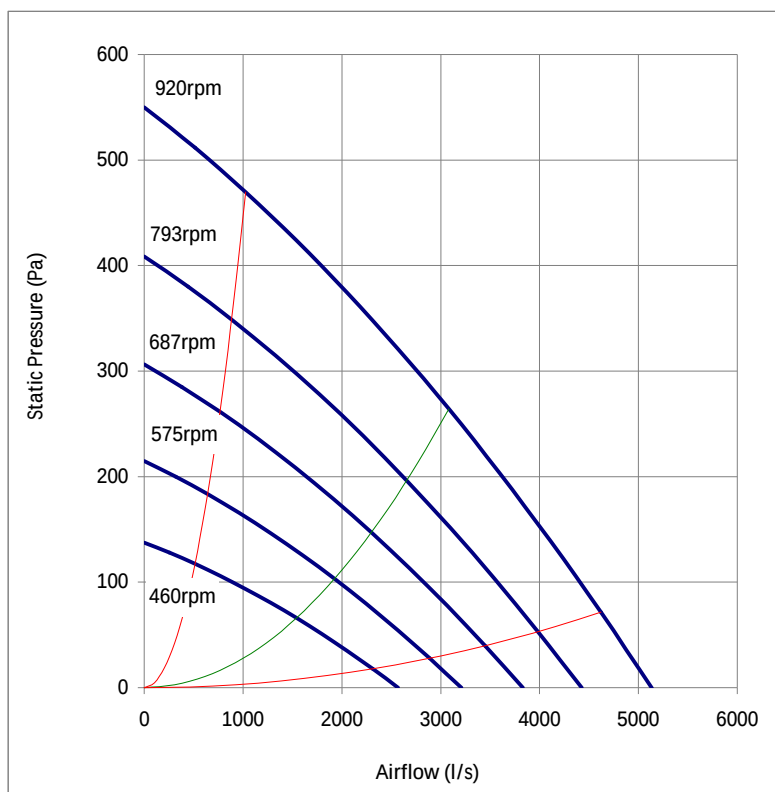
Size 630 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

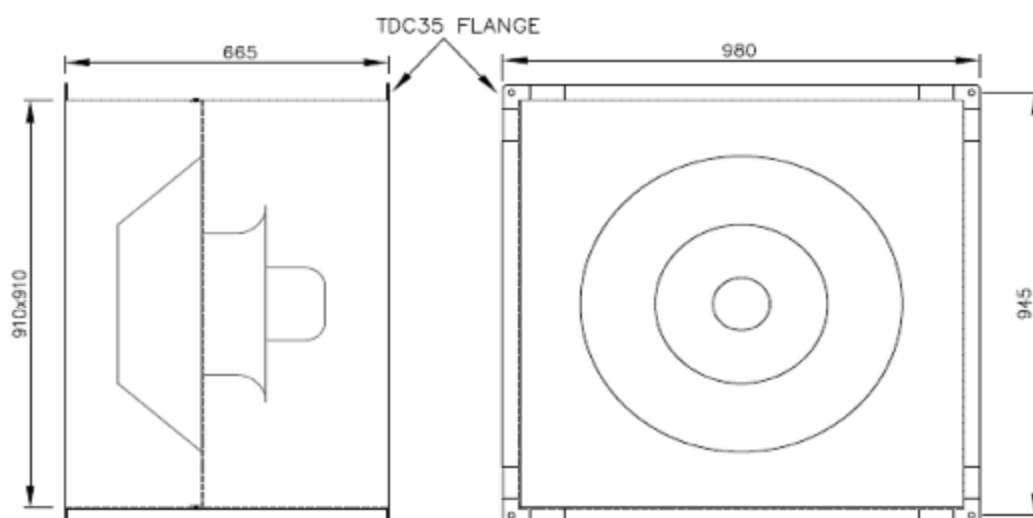
Type IE2
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 920 rpm
FLC 4.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 110 Kg
Max. Temp 50 °C

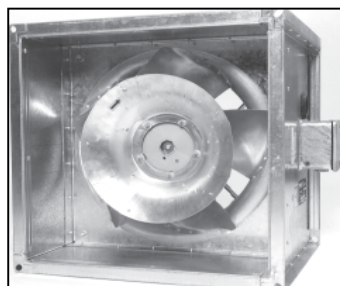


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
920	550	2.20	50	90	89	89	84	81	78	74	69	67
793	409	1.41	43	87	86	86	81	78	75	71	66	64
687	306	0.91	37	84	83	83	78	75	72	68	63	61
575	215	0.54	31	80	79	79	74	71	68	64	59	57
460	138	0.28	25	75	74	74	69	66	63	59	54	52



Inline Mixed Flow Fan

AX3-630/8/3



Impeller

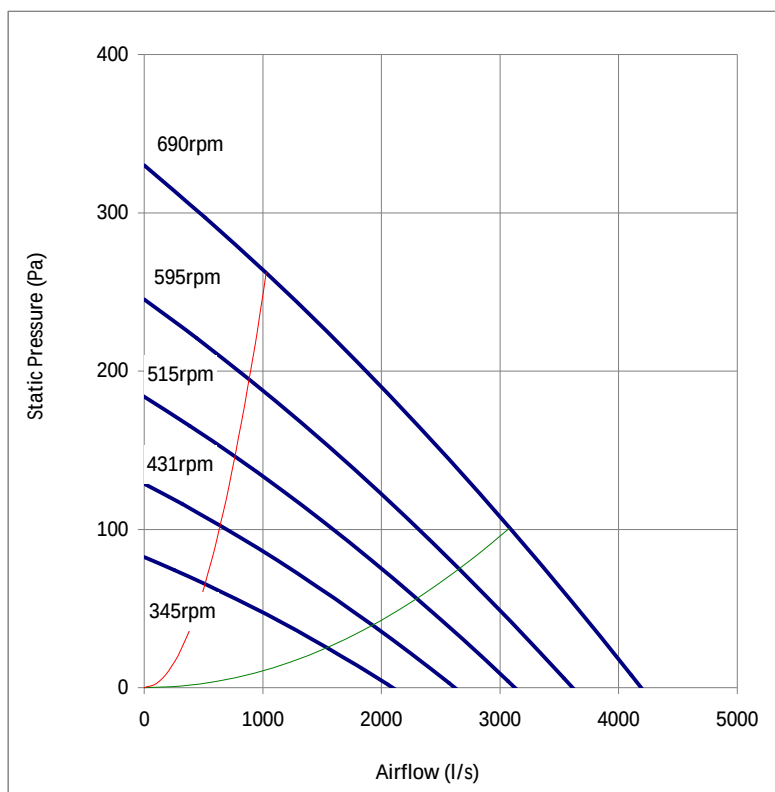
Size 630 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

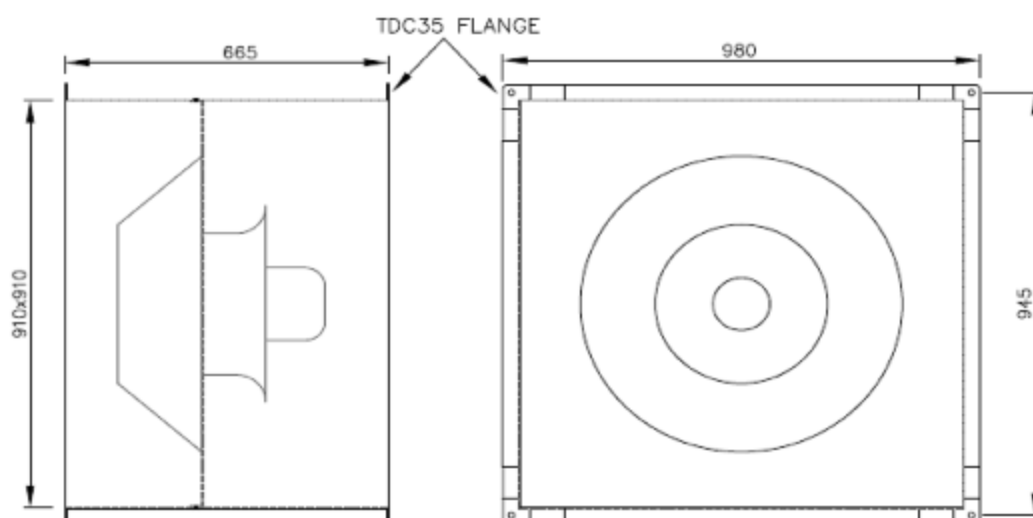
Type IE2
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 690 rpm
FLC 2.50 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 109 Kg
Max. Temp 50 °C

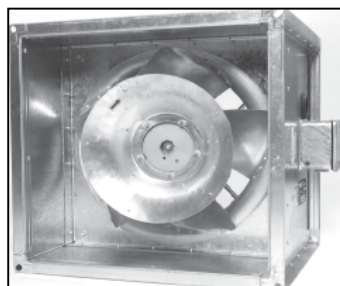


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
690	330	0.75	50	85	84	83	76	75	71	66	62	60
595	245	0.48	43	82	81	80	73	72	68	63	59	57
515	184	0.31	37	79	78	77	70	69	65	60	56	54
431	129	0.18	31	75	74	73	66	65	61	56	52	50
345	83	0.09	25	70	69	68	61	60	56	51	47	45



Inline Mixed Flow Fan

AX3-760/6/3



Impeller

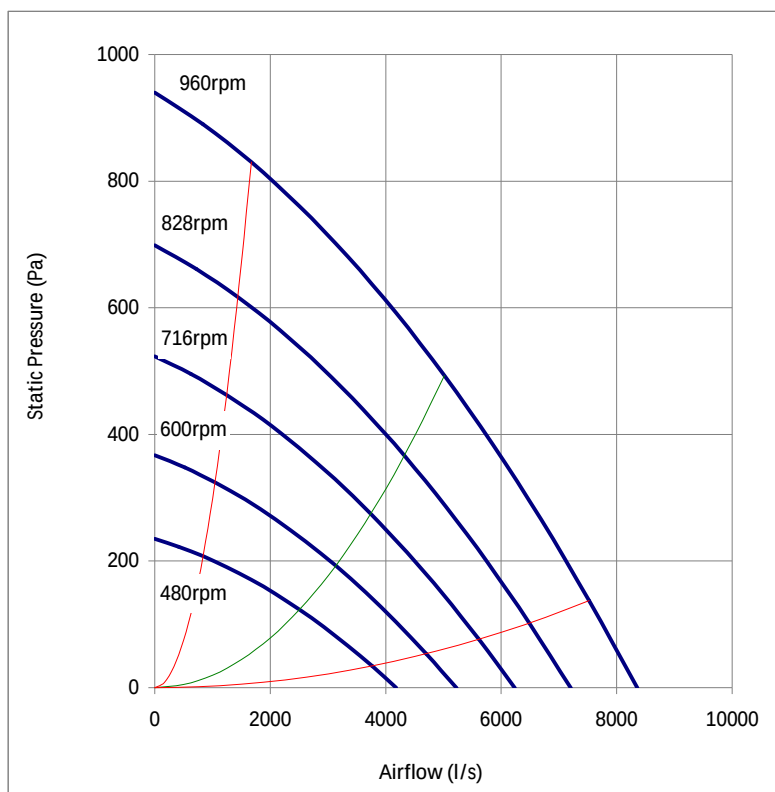
Size 760 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

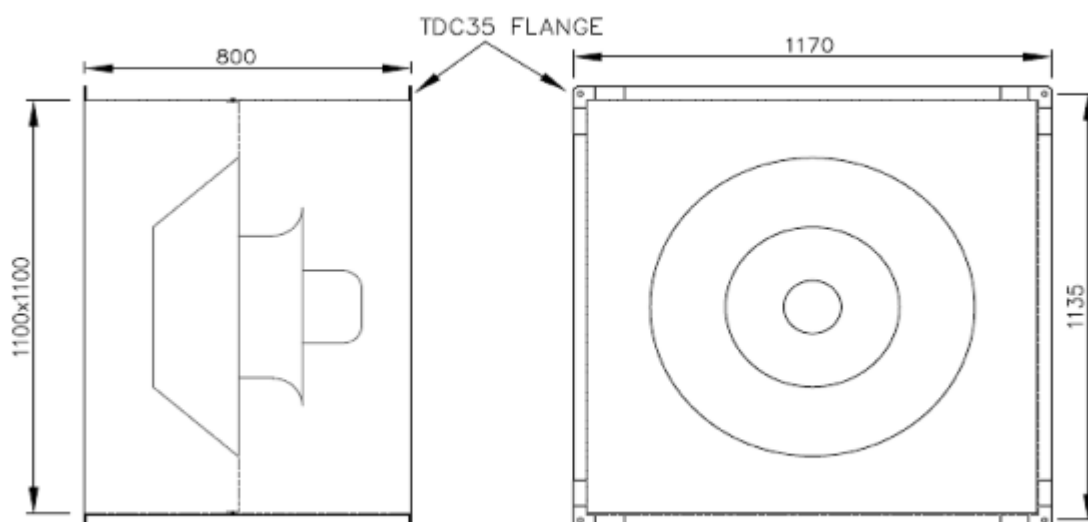
Type IE2
IP Rating 55
Insulation Class 155
Power 7.50 Kw
Power Supply 400V/3PH/50Hz
Speed 960 rpm
FLC 15.00 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 190 Kg
Max. Temp 50 °C

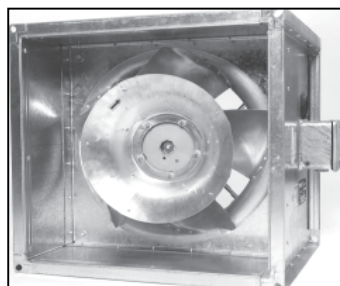


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
960	940	7.50	50	98	95	95	94	91	88	81	76	76
828	699	4.80	43	95	92	92	91	88	85	78	73	73
716	524	3.12	37	92	89	89	88	85	82	75	70	70
600	367	1.83	31	88	85	85	84	81	78	71	66	66
480	235	0.94	25	83	80	80	79	76	73	66	61	61



Inline Mixed Flow Fan

AX3-760/8/3



Impeller

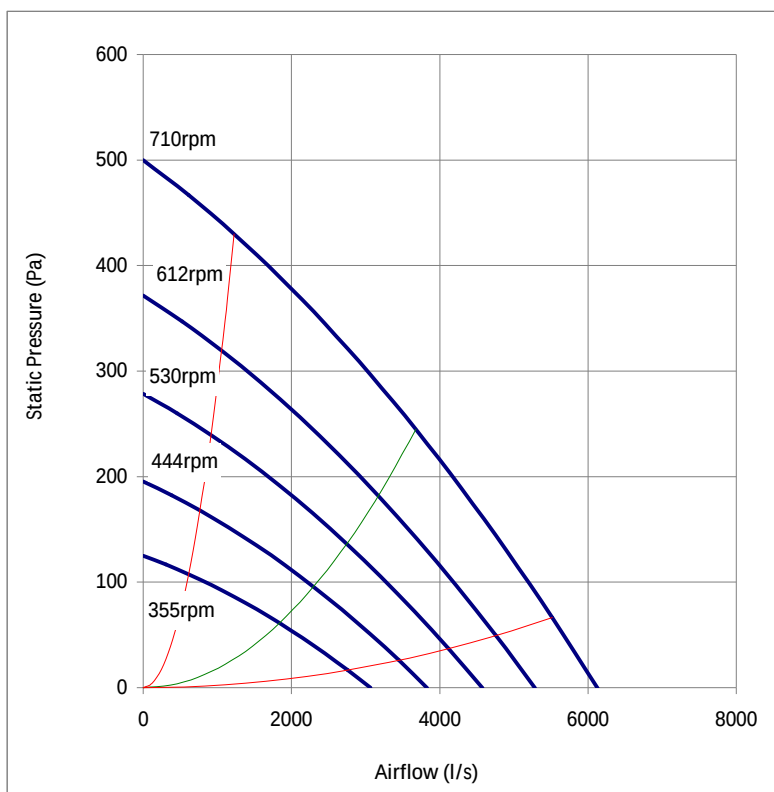
Size 760 mm
Type Mixed Flow
Material Aluminium
Motor finish Powder Coating RAL7032

Motor

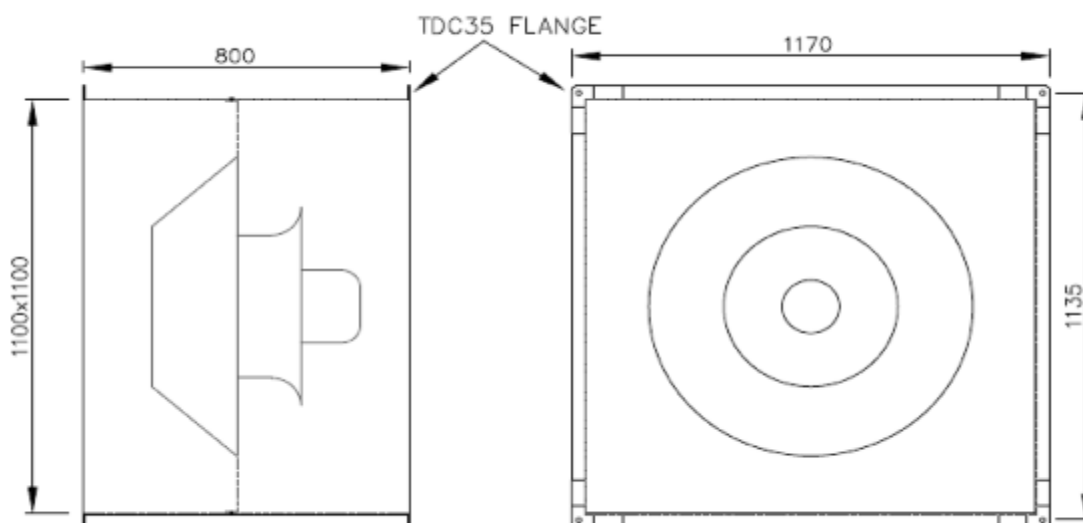
Type IE2
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 710 rpm
FLC 8.60 A
Capacitor
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 180 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
710	500	3.00	50	94	90	90	86	83	80	73	69	67
612	372	1.92	43	91	87	87	83	80	77	70	66	64
530	278	1.25	37	88	84	84	80	77	74	67	63	61
444	195	0.73	31	84	80	80	76	73	70	63	59	57
355	125	0.38	25	79	75	75	71	68	65	58	54	52



ACCENT 4

- LOW NOISE Inline Centrifugal Fan
 - With External Rotor

SPECIFICATION

Sizes

280, 310, 315, 350, 400, 450, 500, 560, 630mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

Ziehl-Abegg Vpro low noise high efficiency centrifugal fan with profiled blades. The impellers are manufactured from black composite material and balanced according to ISO1940.

Motors

Ziehl-Abegg asynchronous external rotor motors. Motor enclosure to feature IP54 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

Casing

Casing of the fans are of galvanised steel, with MEZZ flanges connection to suit either flexible duct or galvanised steel ductwork.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997
Sound levels – Established from tests in accordance with ISO3745



Ziehl-Abegg Vpro external rotor

Inline Backward Curve Centrifugal Fan

AX4-2521



Impeller

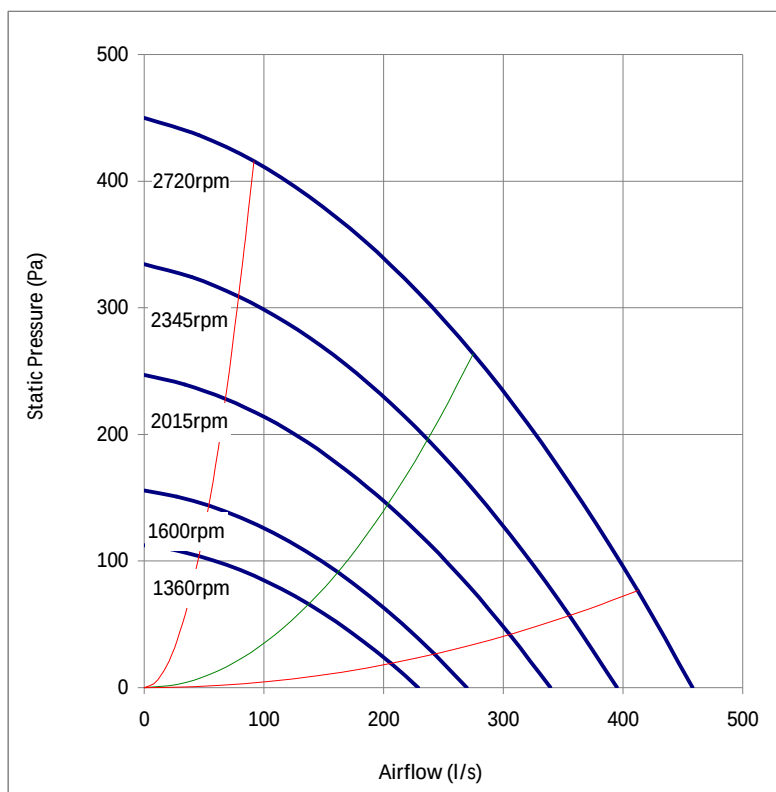
Size 250 mm
Type Backward Arefoil Curve
Material Garvanised Metal
Motor finish Powder Coating RAL7032

Motor

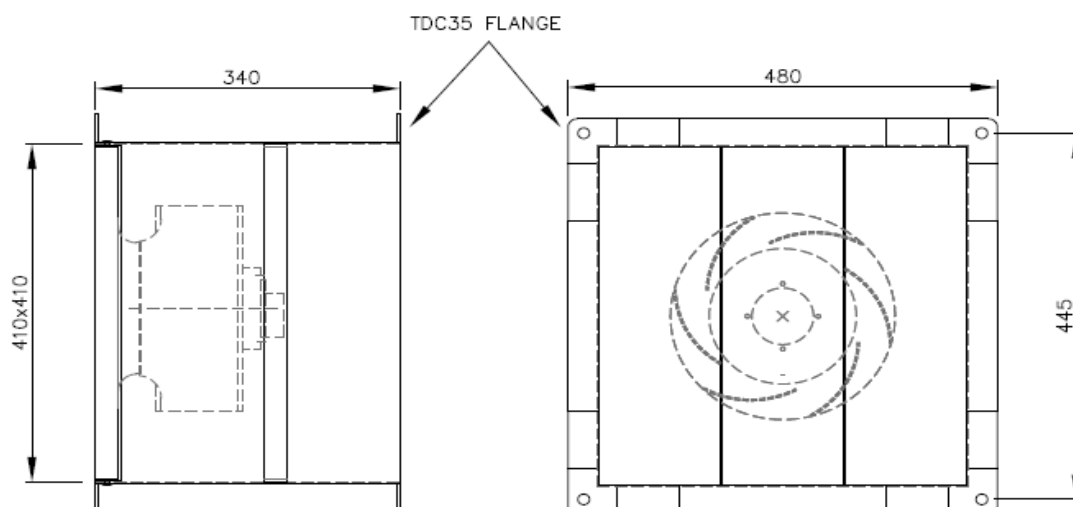
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.24 Kw
Power Supply 230V/1PH/50Hz
Speed 2720 RPM
FLC 1.05 A
Capacitor 8 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 25 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2720	450	0.24	230	68	72	69	68	66	64	63	56	53
2345	334	0.15	200	65	69	66	65	63	61	60	53	50
2015	247	0.10	170	61	65	62	61	59	57	56	49	46
1600	156	0.05	130	56	60	57	56	54	52	51	44	41
1360	113	0.03	110	53	57	54	53	51	49	48	41	38



Inline Backward Curve Centrifugal Fan

AX4-2841



Impeller

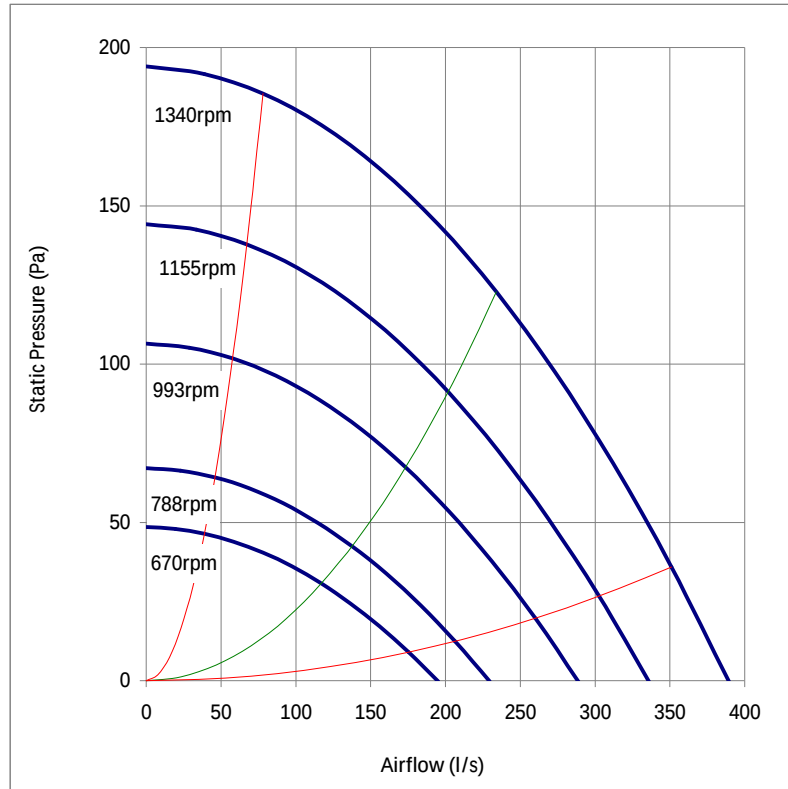
Size 280 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

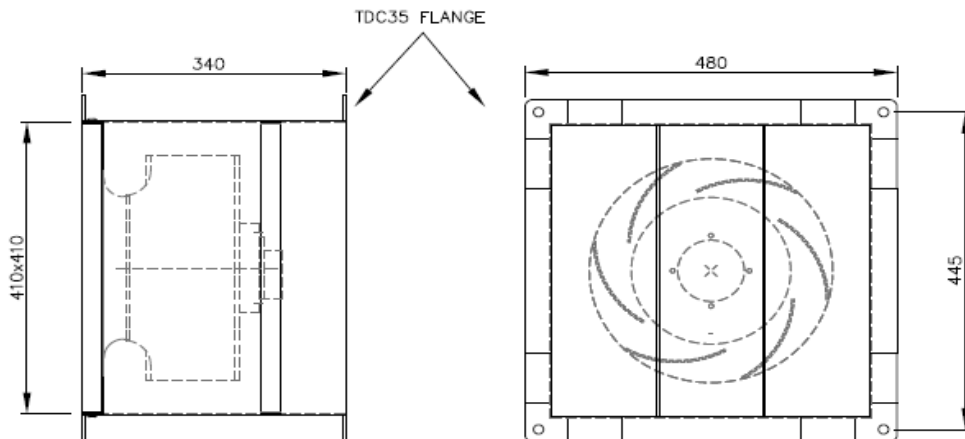
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.13 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 0.58 A
Capacitor 5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 25 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	194	0.13	230	60	63	61	65	60	56	50	62	38
1155	144	0.08	200	57	60	58	62	57	53	47	59	35
993	106	0.05	170	53	56	54	58	53	49	43	55	31
788	67	0.03	130	48	51	49	53	48	44	38	50	26
670	49	0.02	110	45	48	46	50	45	41	35	47	23



Inline Backward Curve Centrifugal Fan

AX4-3141



Impeller

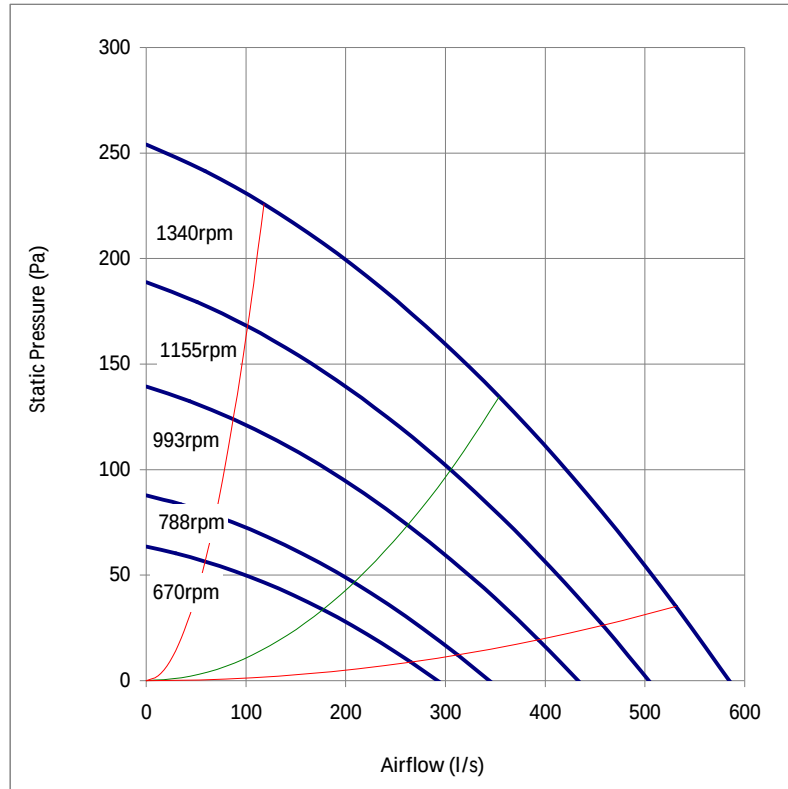
Size 310 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

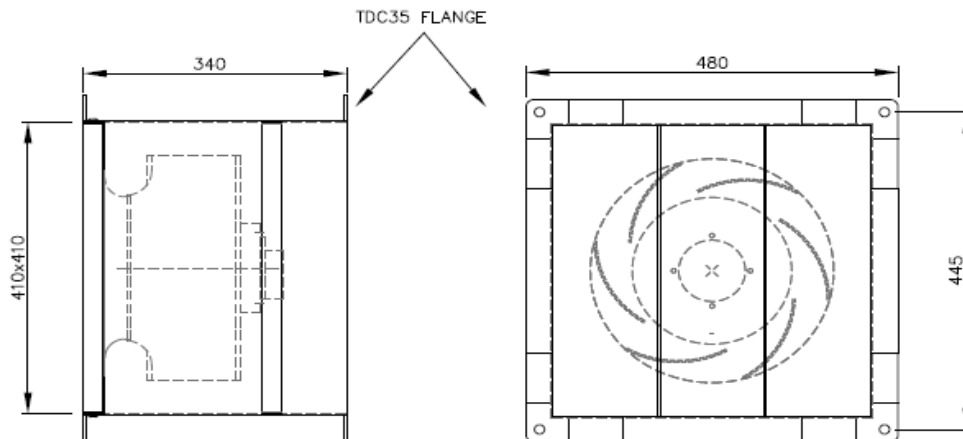
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.18 Kw
Power Supply 230V/1PH/50Hz
Speed 1420 RPM
FLC 0.8 A
Capacitor 5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 25 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	254	0.18	230	62	64	61	67	62	57	52	51	38
1155	189	0.12	200	59	61	58	64	59	54	49	48	35
993	139	0.07	170	55	57	54	60	55	50	45	44	31
788	88	0.04	130	50	52	49	55	50	45	40	39	26
670	64	0.02	110	47	49	46	52	47	42	37	36	23



Inline Backward Curve Centrifugal Fan

AX4-3143



Impeller

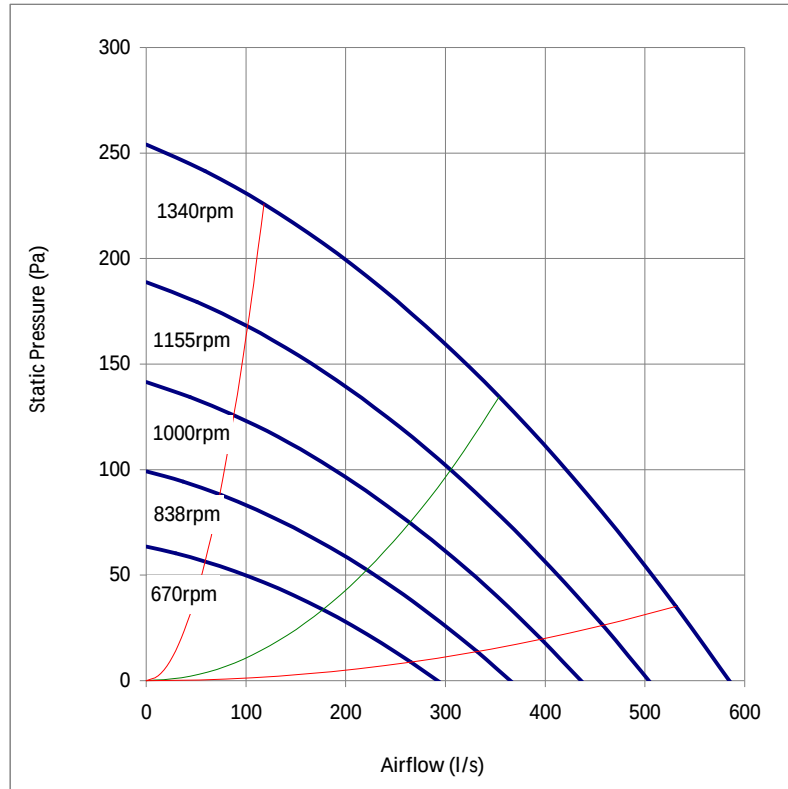
Size 310 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

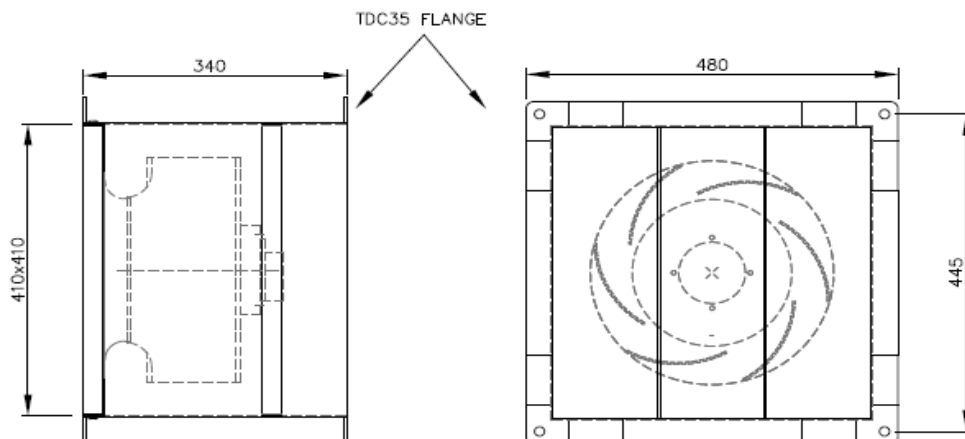
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.14 Kw
Power Supply 400V/3PH/50Hz
Speed 1340 RPM
FLC 0.29 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 25 Kg
Max. Temp 50 °C

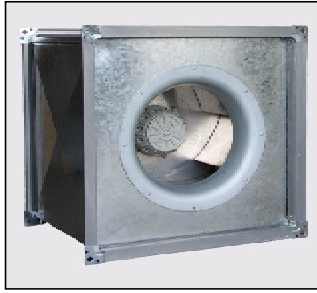


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	254	0.14	50	62	64	61	67	62	57	52	51	38
1155	189	0.09	43	59	61	58	64	59	54	49	48	35
1000	141	0.06	37	56	58	55	61	56	51	46	45	32
838	99	0.03	31	52	54	51	57	52	47	42	41	28
670	64	0.02	25	47	49	46	52	47	42	37	36	23



Inline Backward Curve Centrifugal Fan

AX4-3541



Impeller

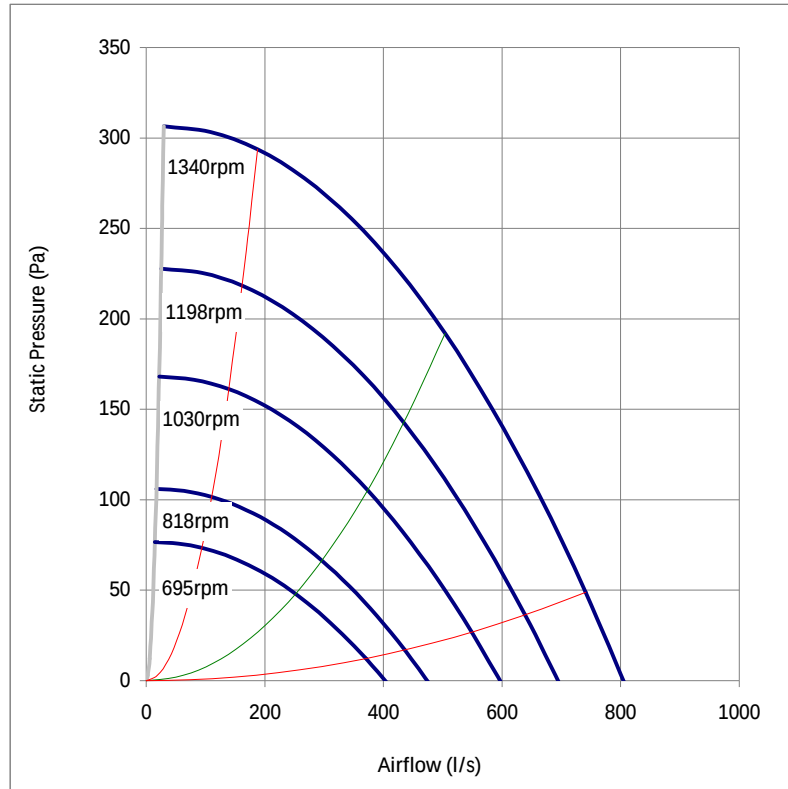
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

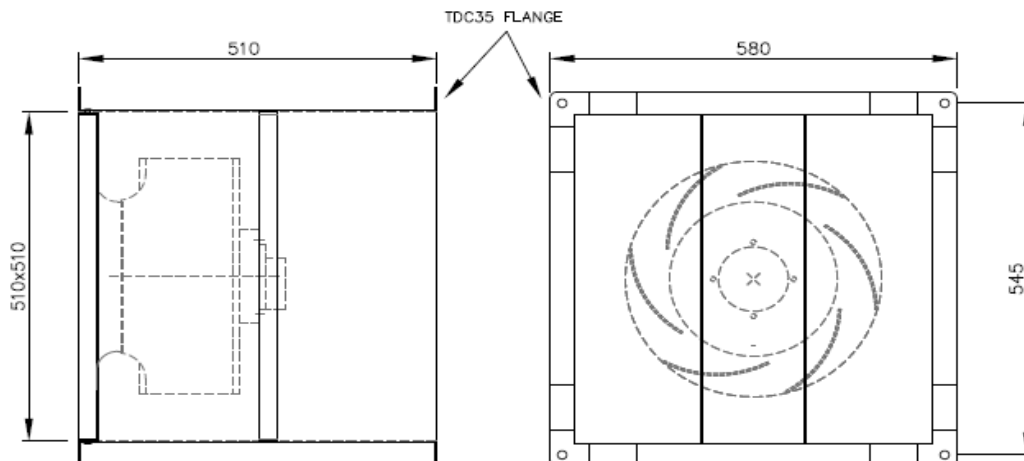
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.27 Kw
Power Supply 230V/1PH/50Hz
Speed 1390 RPM
FLC 1.3 A
Capacitor 6 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	306	0.27	230	66	70	62	59	56	51	53	51	42
1198	228	0.17	200	63	67	59	56	53	48	50	48	39
1030	168	0.11	170	59	63	55	52	49	44	46	44	35
818	106	0.05	130	54	58	50	47	44	39	41	39	30
695	77	0.03	110	51	55	47	44	41	36	38	36	27



Inline Backward Curve Centrifugal Fan

AX4-3543



Impeller

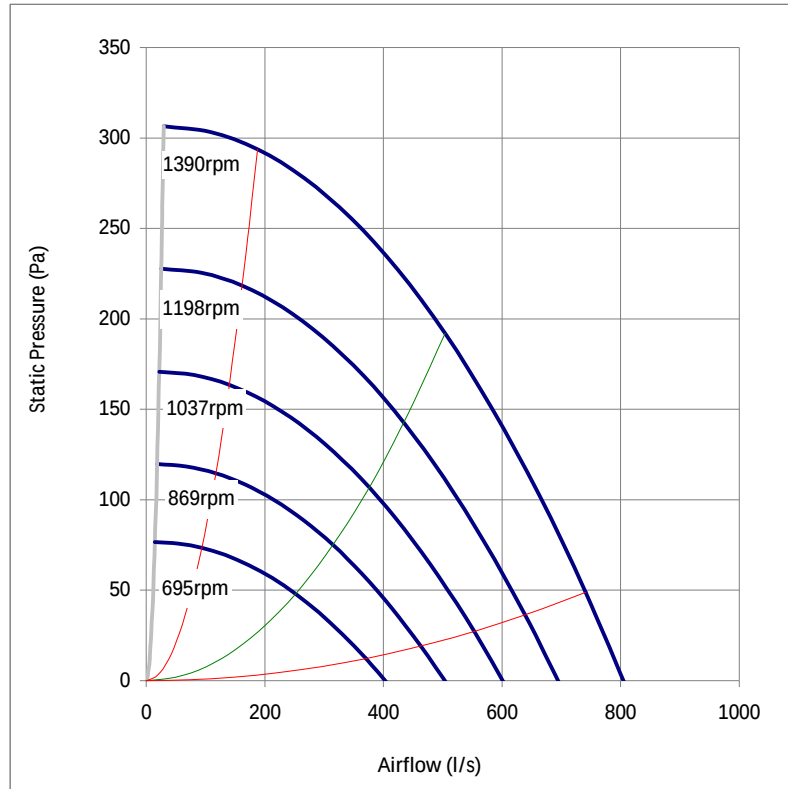
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

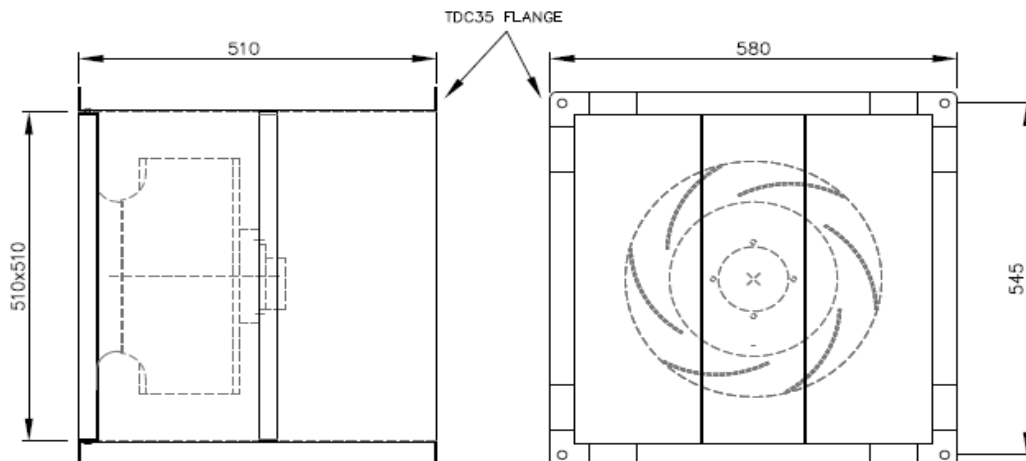
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.24 Kw
Power Supply 400V/3PH/50Hz
Speed 1390 RPM
FLC 0.47 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1390	306	0.24	50	66	70	62	59	56	51	53	51	41
1198	228	0.15	43	63	67	59	56	53	48	50	48	38
1037	171	0.10	37	60	64	56	53	50	45	47	45	35
869	120	0.06	31	56	60	52	49	46	41	43	41	31
695	77	0.03	25	51	55	47	44	41	36	38	36	26



Inline Backward Curve Centrifugal Fan

AX4-3561



Impeller

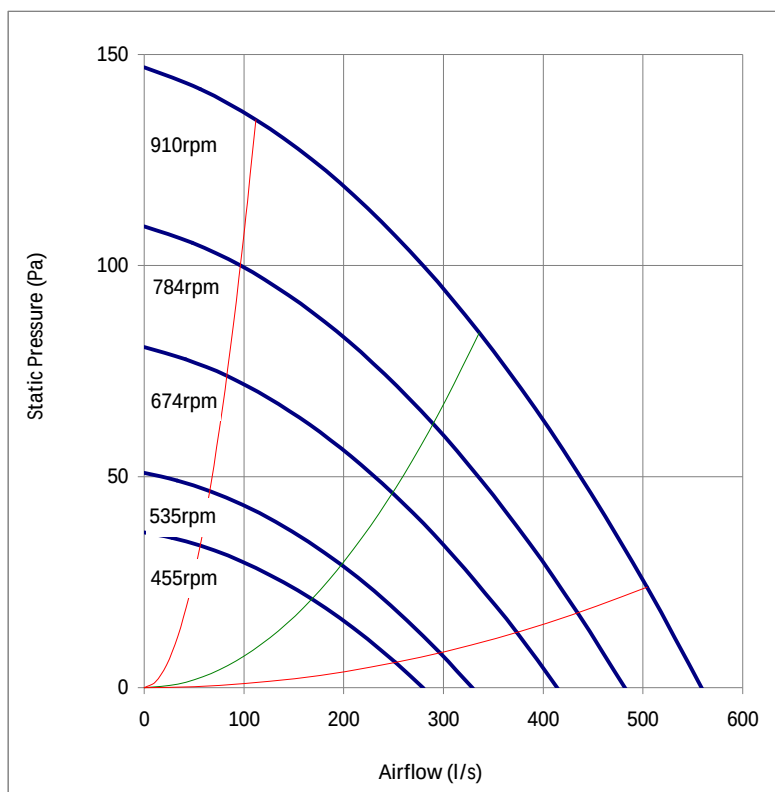
Size 350 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

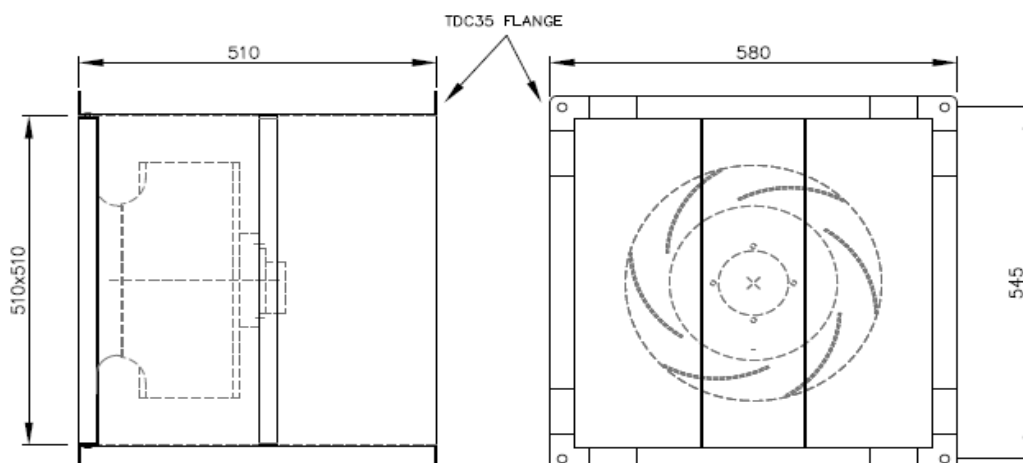
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.11 Kw
Power Supply 230V/1PH/50Hz
Speed 910 RPM
FLC 0.49 A
Capacitor 4 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 35 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
910	147	0.11	230	62	66	58	55	52	47	49	47	37
784	109	0.07	200	59	63	55	52	49	44	46	44	34
674	81	0.04	170	55	59	51	48	45	40	42	40	30
535	51	0.02	130	50	54	46	43	40	35	37	35	25
455	37	0.01	110	47	51	43	40	37	32	34	32	22



Inline Backward Curve Centrifugal Fan

AX4-4041



Impeller

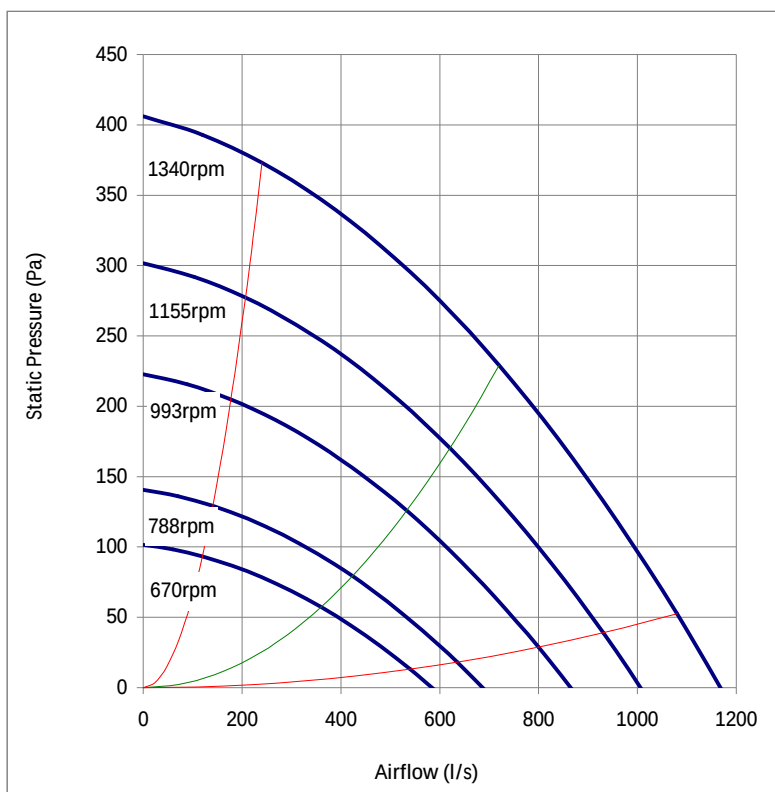
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

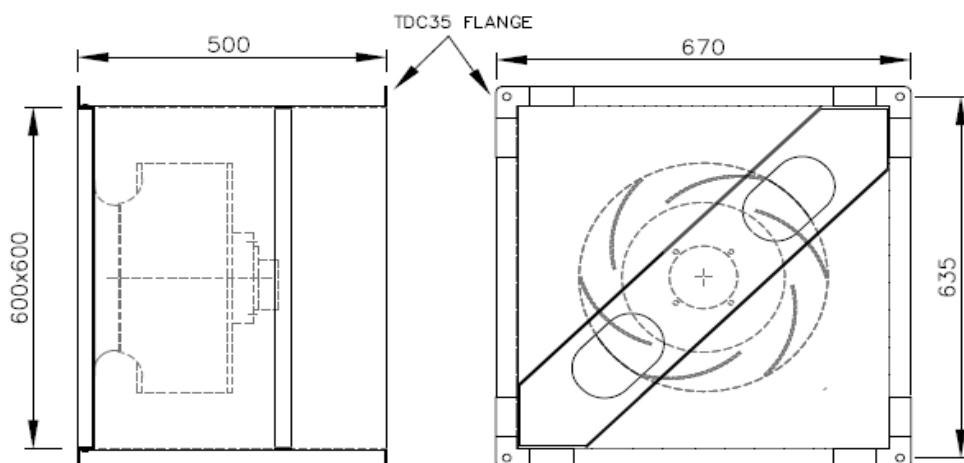
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.49 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 2.5 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 45 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	406	0.49	230	63	68	63	62	55	52	48	53	42
1155	302	0.31	200	60	65	60	59	52	49	45	50	39
993	223	0.20	170	56	61	56	55	48	45	41	46	35
788	140	0.10	130	51	56	51	50	43	40	36	41	30
670	102	0.06	110	48	53	48	47	40	37	33	38	27



Inline Backward Curve Centrifugal Fan

AX4-4043



Impeller

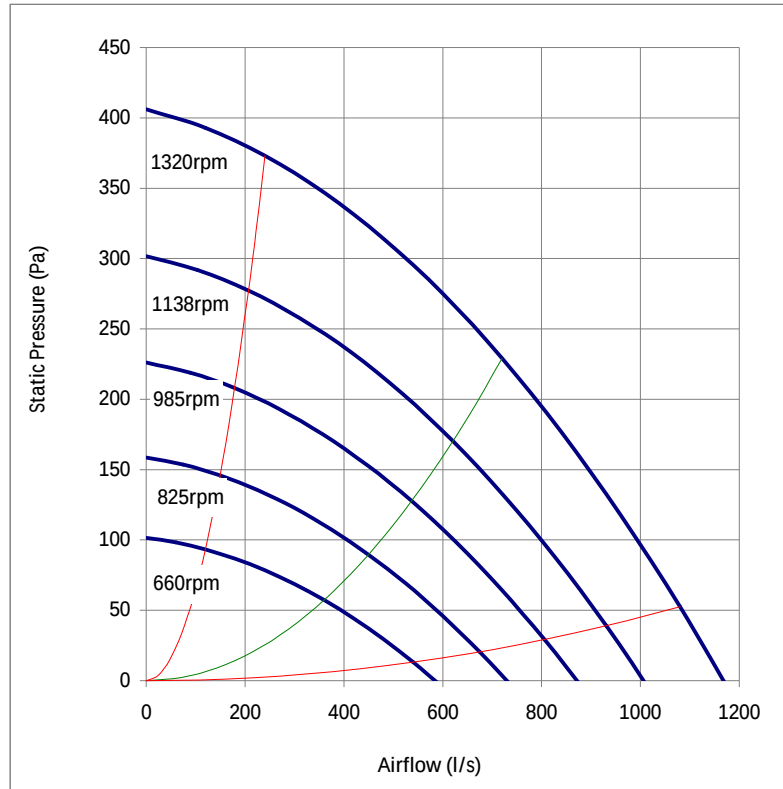
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

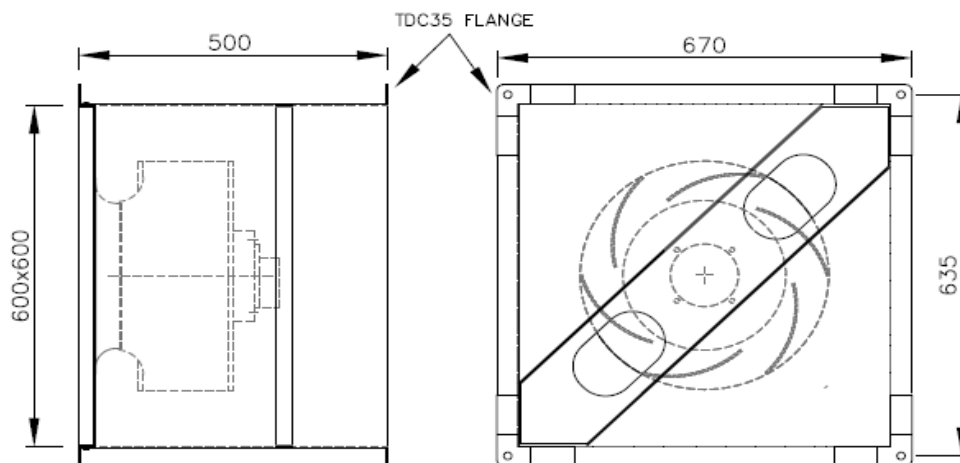
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.44 Kw
Power Supply 400V/3PH/50Hz
Speed 1320 RPM
FLC 0.77 A
Capacitor -
Control Variable Frequency Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 45 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1320	406	0.44	50	63	68	63	62	55	52	48	53	42
1138	302	0.28	43	60	65	60	59	52	49	45	50	39
985	226	0.18	37	57	62	57	56	49	46	42	47	36
825	159	0.11	31	53	58	53	52	45	42	38	43	32
660	102	0.06	25	48	53	48	47	40	37	33	38	27



Inline Backward Curve Centrifugal Fan

AX4-4061



Impeller

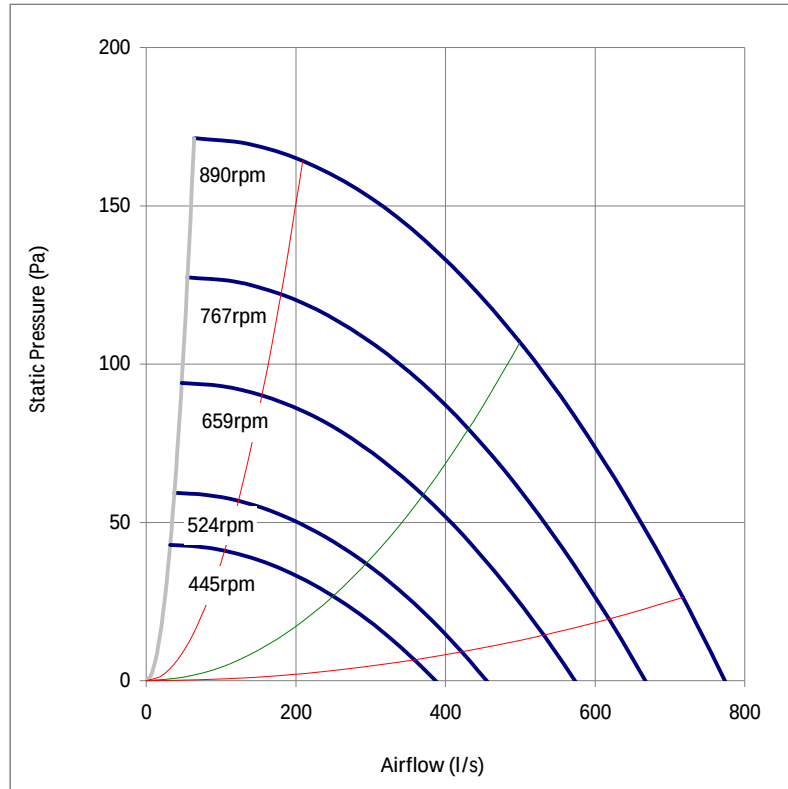
Size 400 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

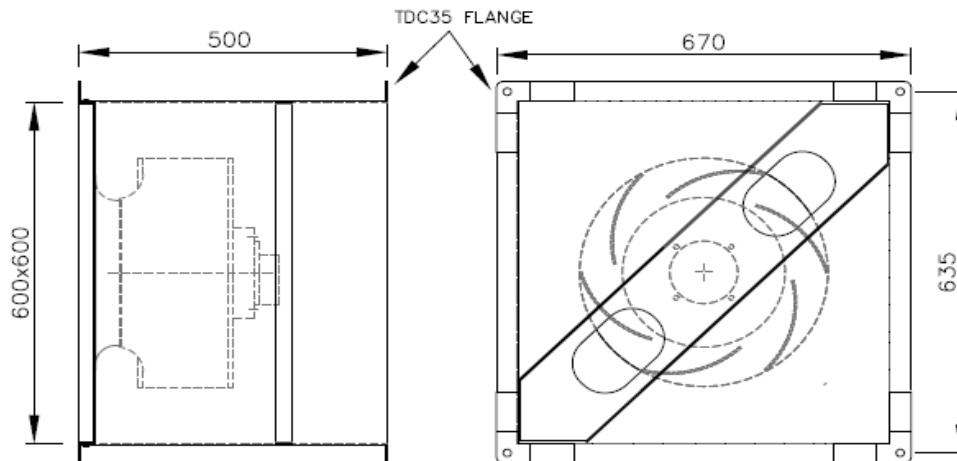
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.17 Kw
Power Supply 230V/1PH/50Hz
Speed 890 RPM
FLC 0.76 A
Capacitor 6 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 45 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
890	171	0.17	230	58	63	58	57	50	47	43	48	37
767	127	0.11	200	55	60	55	54	47	44	40	45	34
659	94	0.07	170	51	56	51	50	43	40	36	41	30
524	59	0.03	130	46	51	46	45	38	35	31	36	25
445	43	0.02	110	43	48	43	42	35	32	28	33	22



Inline Backward Curve Centrifugal Fan

AX4-4541



Impeller

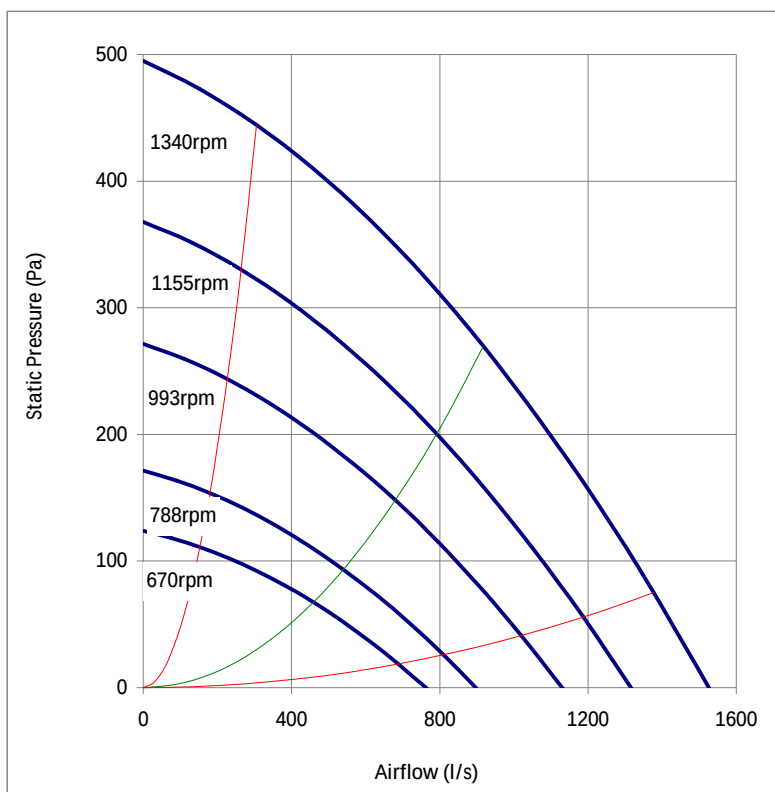
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

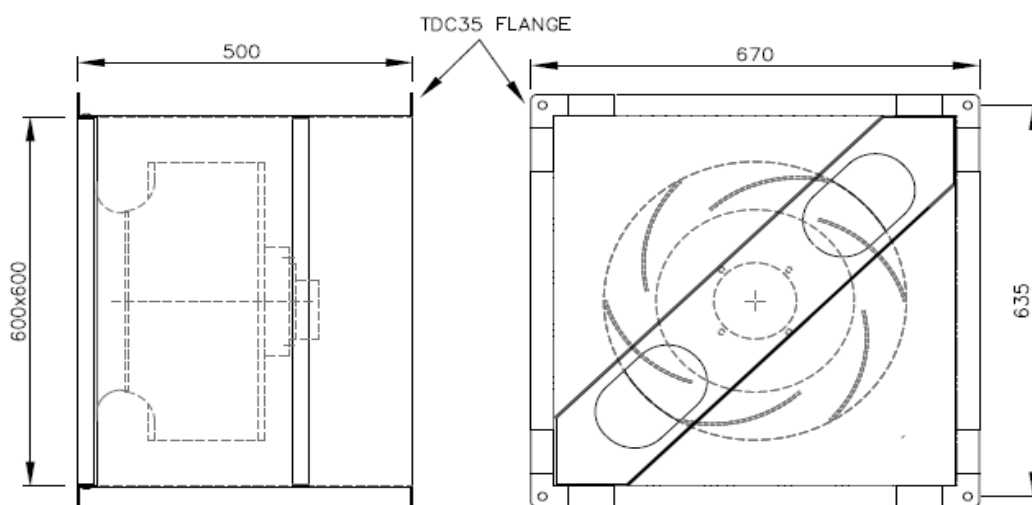
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.77 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 3.60 A
Capacitor 20 μ F
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 57 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	495	0.77	230	68	71	71	64	57	53	49	51	48
1155	368	0.49	200	65	68	68	61	54	50	46	48	45
993	272	0.31	170	61	64	64	57	50	46	42	44	41
788	171	0.16	130	56	59	59	52	45	41	37	39	36
670	124	0.10	110	53	56	56	49	42	38	34	36	33



Inline Backward Curve Centrifugal Fan

AX4-4543



Impeller

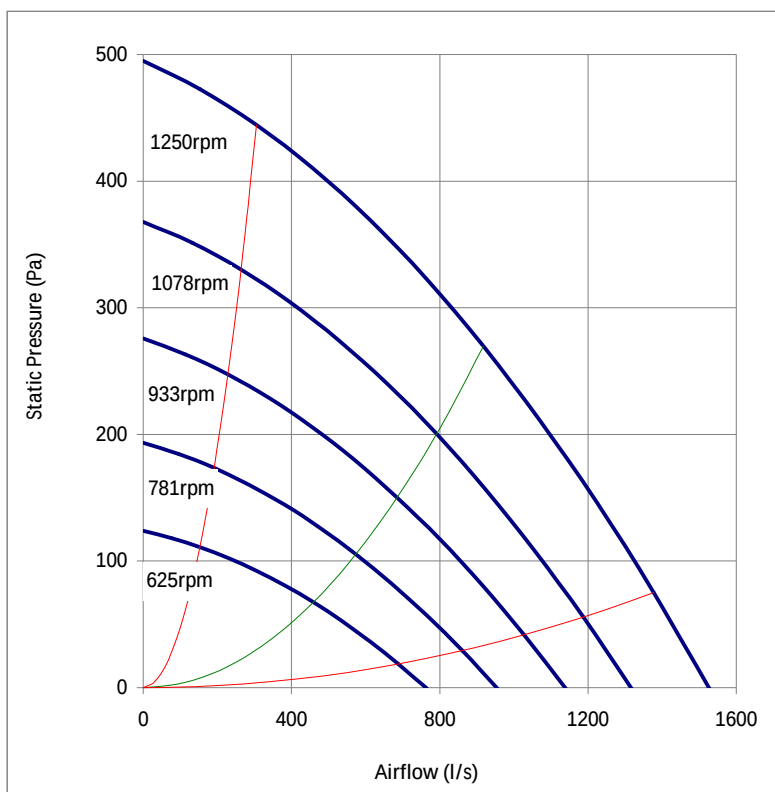
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

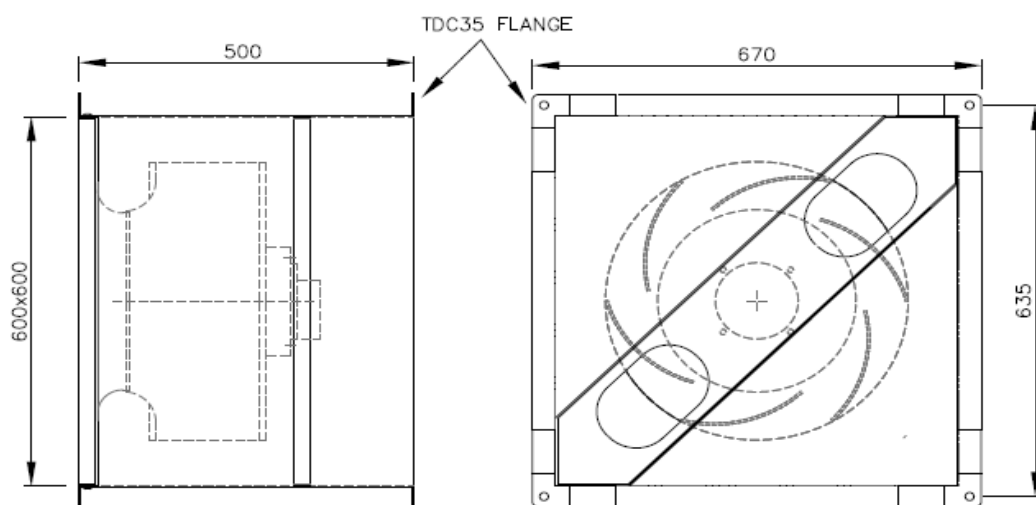
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.65 Kw
Power Supply 400V/3PH/50Hz
Speed 1250 RPM
FLC 1.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 57 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1250	495	0.65	50	68	71	71	64	57	53	49	51	48
1078	368	0.42	43	65	68	68	61	54	50	46	48	45
933	276	0.27	37	62	65	65	58	51	47	43	45	42
781	193	0.16	31	58	61	61	54	47	43	39	41	38
625	124	0.08	25	53	56	56	49	42	38	34	36	33



Inline Backward Curve Centrifugal Fan

AX4-4561



Impeller

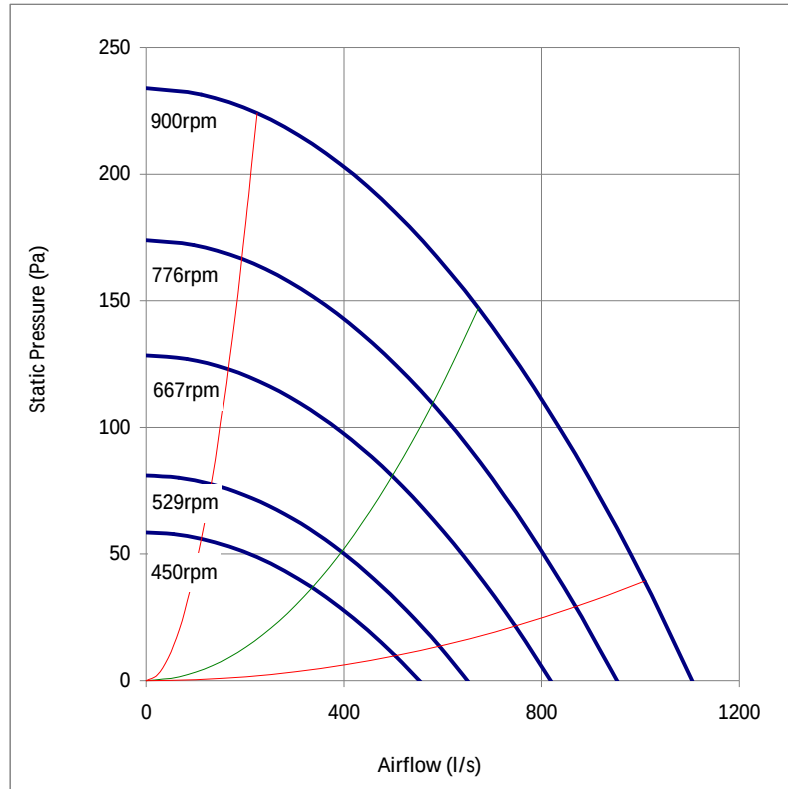
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

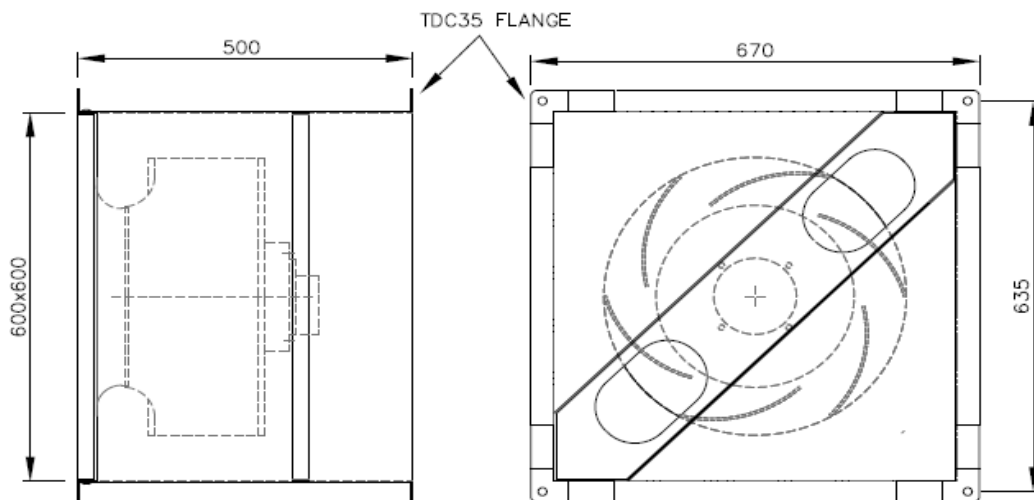
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.25 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 1.10 A
Capacitor 8 µF
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 57 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	234	0.25	230	61	64	64	57	50	46	42	44	41
776	174	0.16	200	58	61	61	54	47	43	39	41	38
667	128	0.10	170	54	57	57	50	43	39	35	37	34
529	81	0.05	130	49	52	52	45	38	34	30	32	29
450	59	0.03	110	46	49	49	42	35	31	27	29	26



Inline Backward Curve Centrifugal Fan

AX4-4563



Impeller

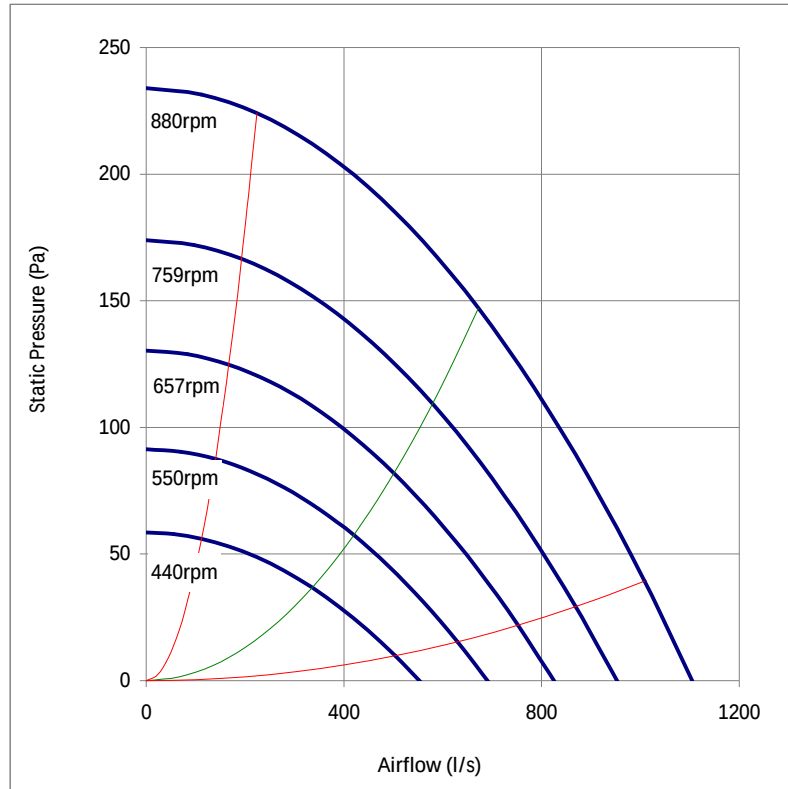
Size 450 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

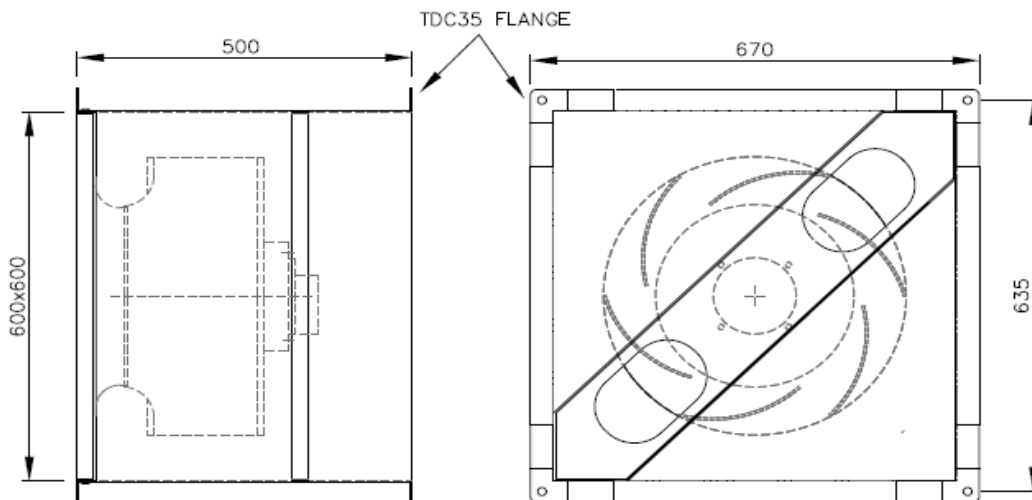
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.25 Kw
Power Supply 400V/3PH/50Hz
Speed 880 RPM
FLC 0.58 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 57 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	234	0.25	50	61	64	64	57	50	46	42	44	41
759	174	0.16	43	58	61	61	54	47	43	39	41	38
657	130	0.10	37	55	58	58	51	44	40	36	38	35
550	91	0.06	31	51	54	54	47	40	36	32	34	31
440	59	0.03	25	46	49	49	42	35	31	27	29	26



Inline Backward Curve Centrifugal Fan

AX4-5041



Impeller

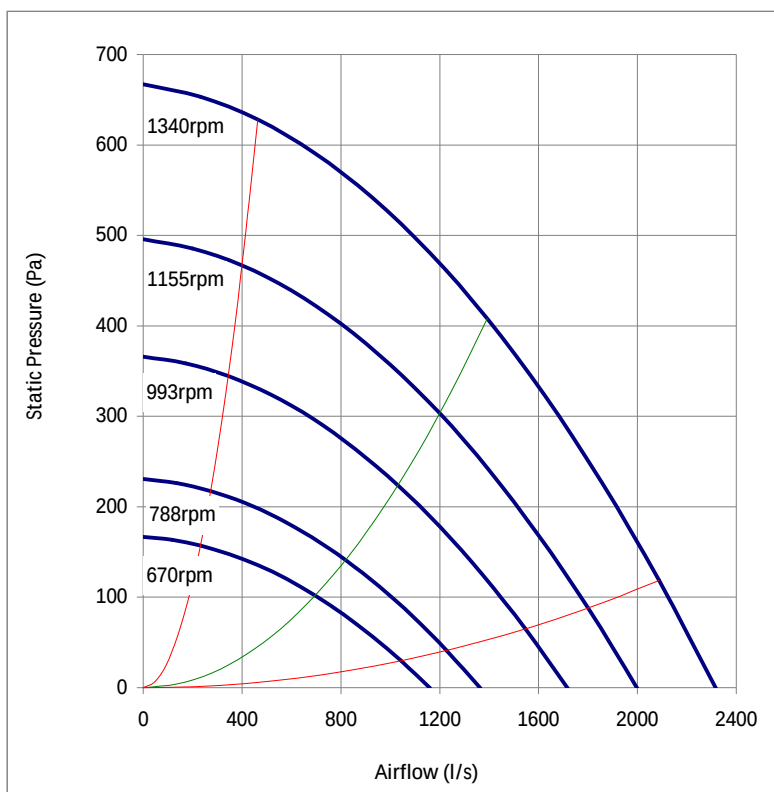
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

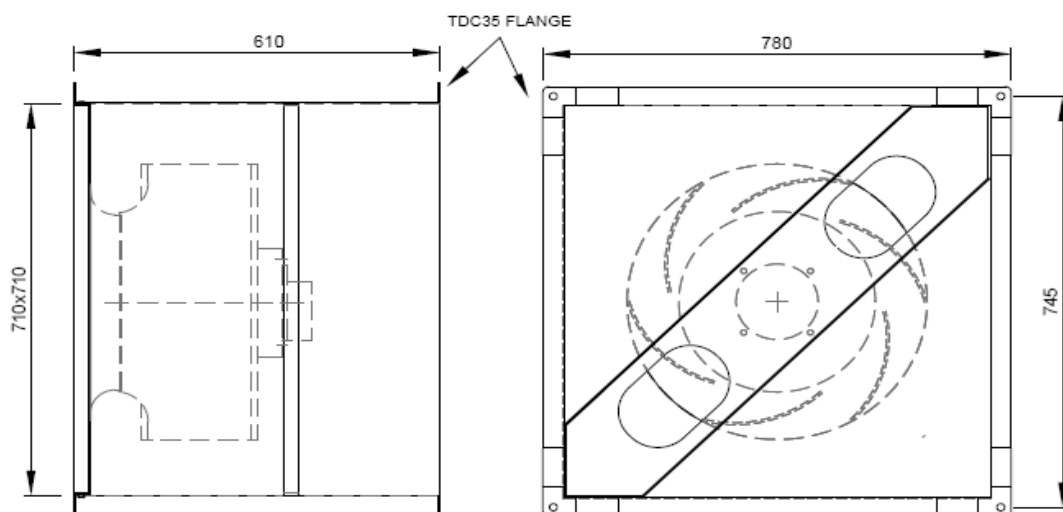
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.30 Kw
Power Supply 230V/1PH/50Hz
Speed 1340 RPM
FLC 5.80 A
Capacitor 30 μ F
Control RE7.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	667	1.30	230	72	78	72	70	64	59	57	61	51
1155	496	0.83	200	69	75	69	67	61	56	54	58	48
993	366	0.53	170	65	71	65	63	57	52	50	54	44
788	231	0.26	130	60	66	60	58	52	47	45	49	39
670	167	0.16	110	57	63	57	55	49	44	42	46	36



Inline Backward Curve Centrifugal Fan

AX4-5043



Impeller

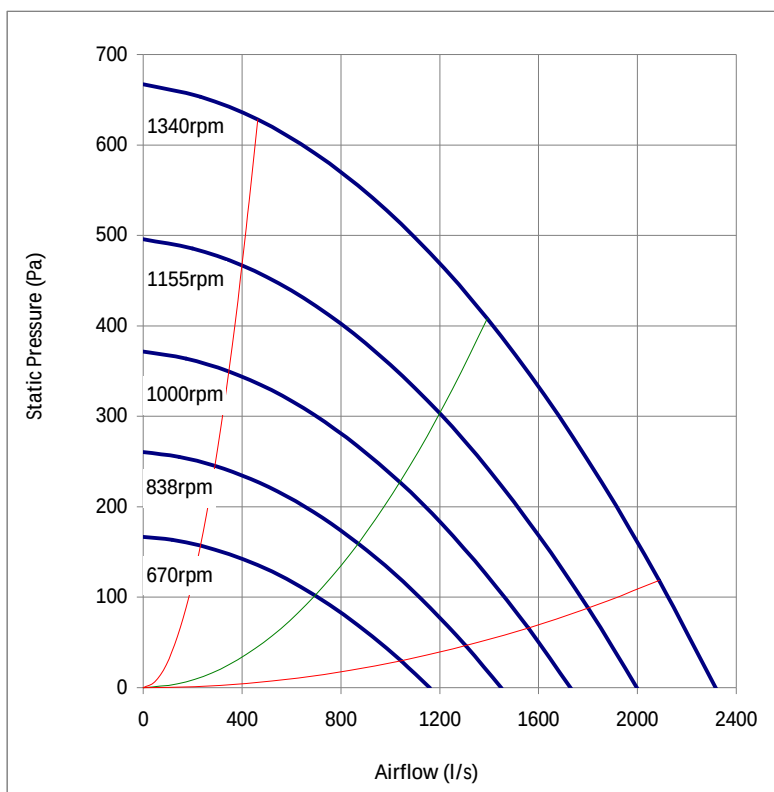
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

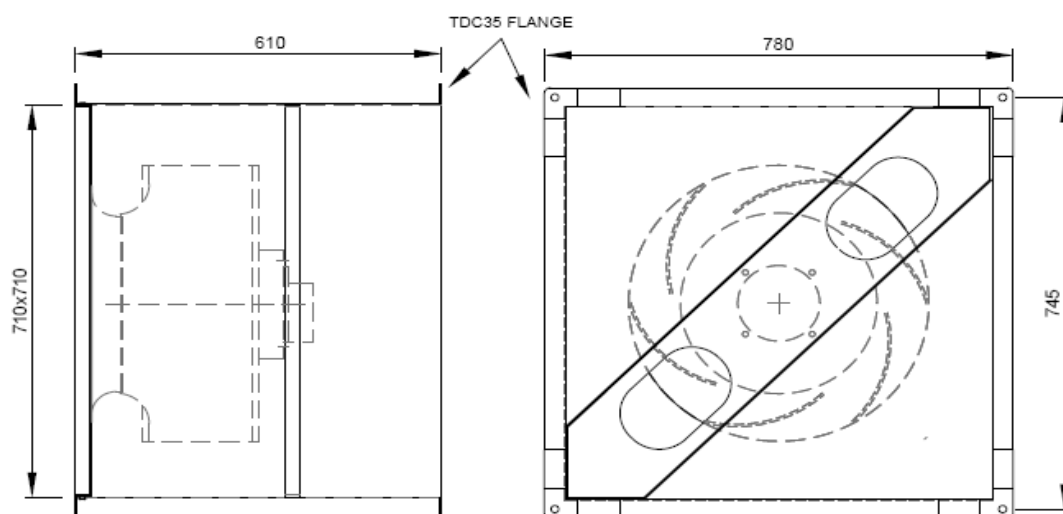
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.20 Kw
Power Supply 400V/3PH/50Hz
Speed 1340 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1340	667	1.20	50	72	78	72	70	64	59	57	61	51
1155	496	0.77	43	69	75	69	67	61	56	54	58	48
1000	371	0.50	37	66	72	66	64	58	53	51	55	45
838	261	0.29	31	62	68	62	60	54	49	47	51	41
670	167	0.15	25	57	63	57	55	49	44	42	46	36



Inline Backward Curve Centrifugal Fan

AX4-5061



Impeller

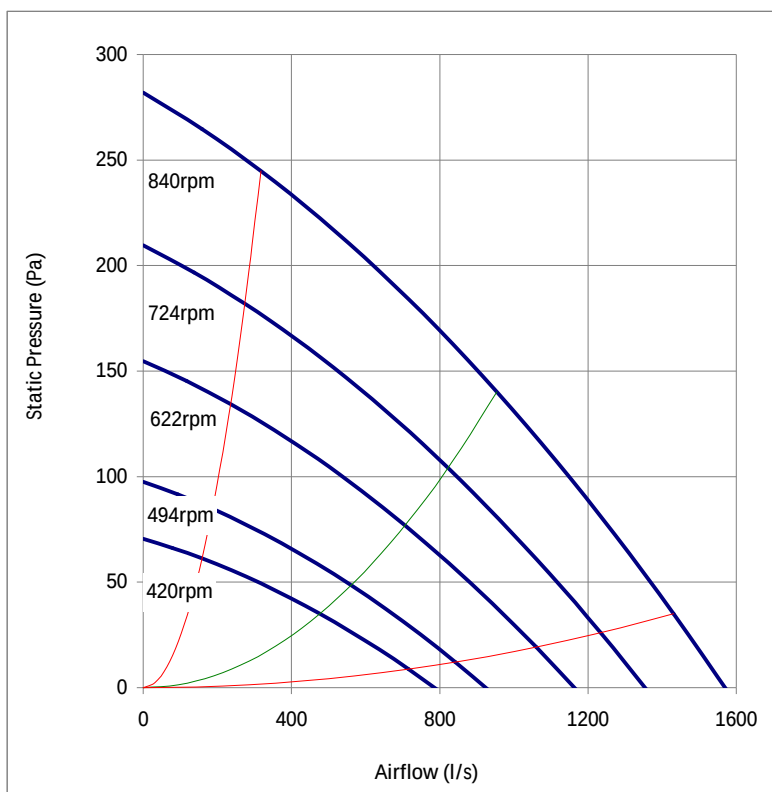
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

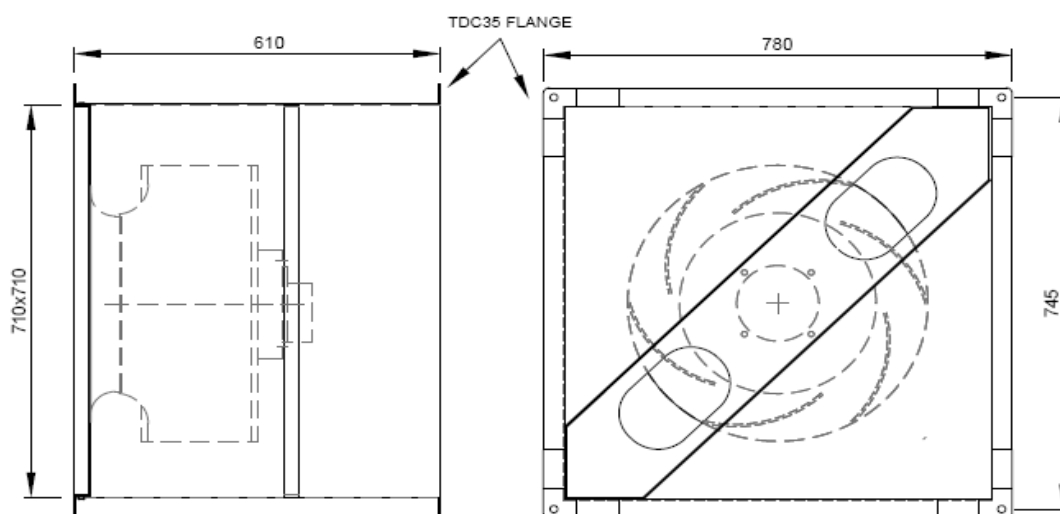
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.38 Kw
Power Supply 230V/1PH/50Hz
Speed 840 RPM
FLC 1.65 A
Capacitor 12 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
840	282	0.38	230	64	70	64	62	56	51	49	53	43
724	210	0.24	200	61	67	61	59	53	48	46	50	40
622	155	0.15	170	57	63	57	55	49	44	42	46	36
494	98	0.08	130	52	58	52	50	44	39	37	41	31
420	71	0.05	110	49	55	49	47	41	36	34	38	28



Inline Backward Curve Centrifugal Fan

AX4-5063



Impeller

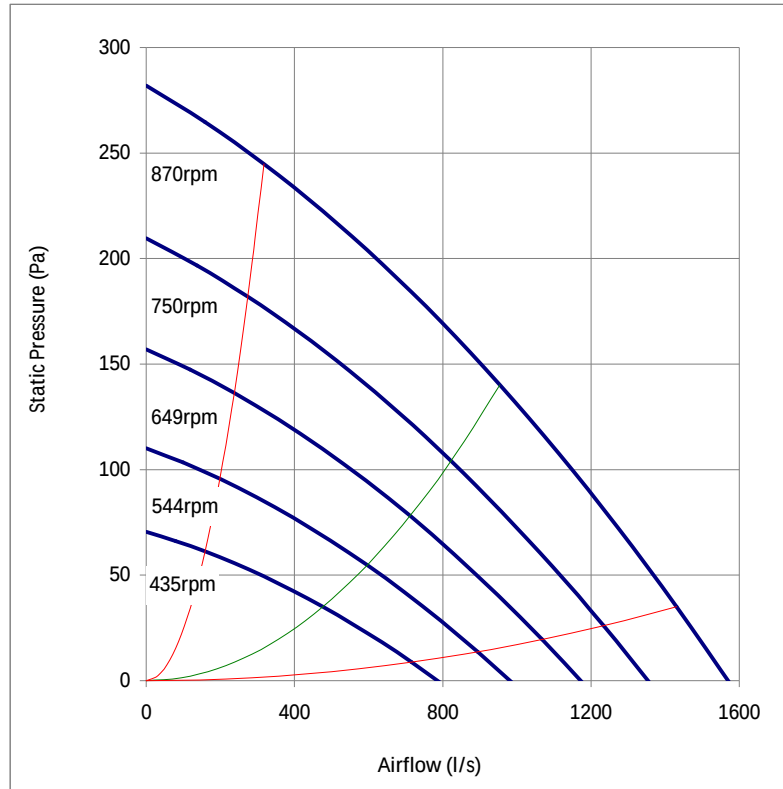
Size 500 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

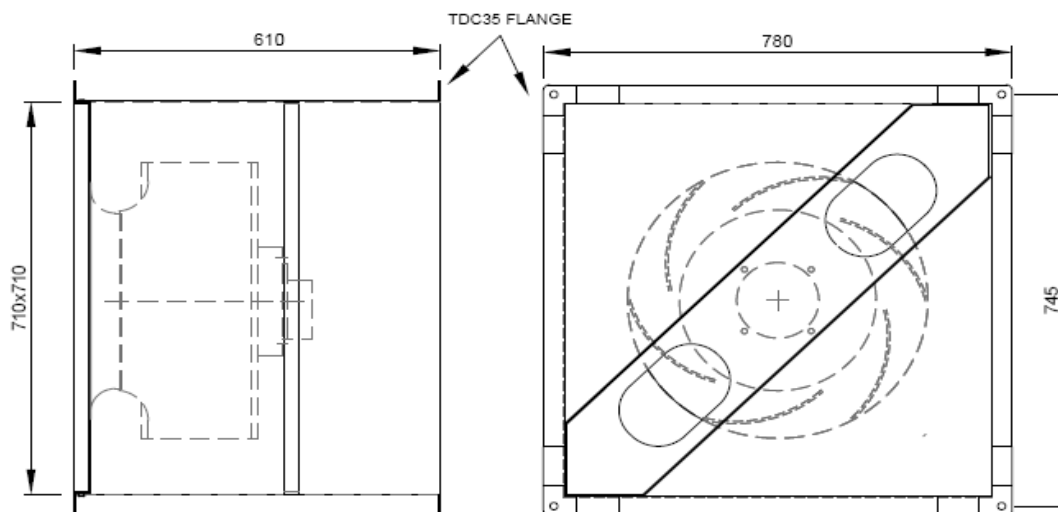
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.42 Kw
Power Supply 400V/3PH/50Hz
Speed 870 RPM
FLC 0.93 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 65 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	282	0.42	50	64	70	64	62	56	51	49	53	43
750	210	0.27	43	61	67	61	59	53	48	46	50	40
649	157	0.17	37	58	64	58	56	50	45	43	47	37
544	110	0.10	31	54	60	54	52	46	41	39	43	33
435	71	0.05	25	49	55	49	47	41	36	34	38	28



Inline Backward Curve Centrifugal Fan

AX4-5643



Impeller

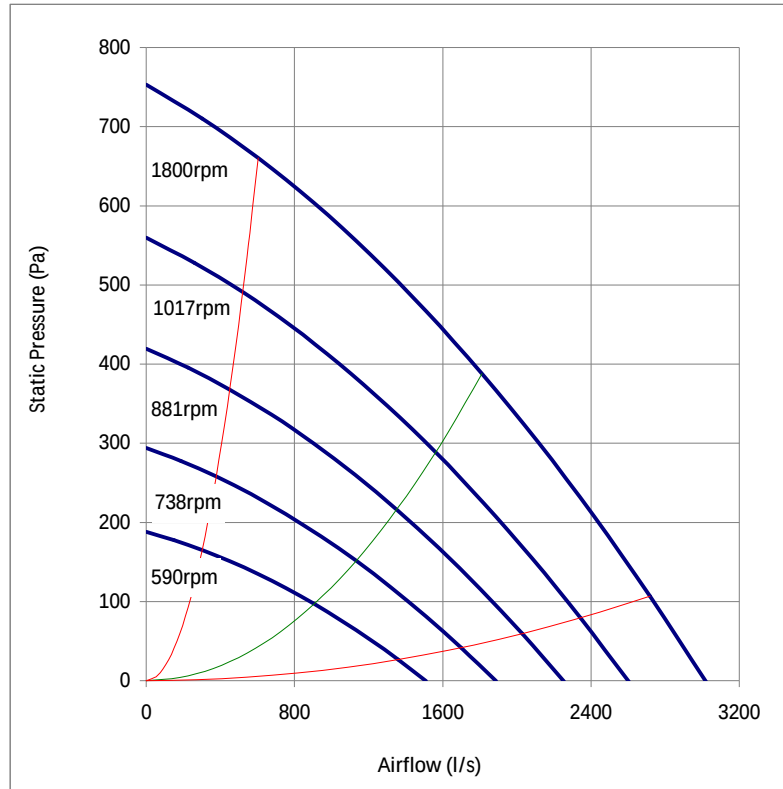
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

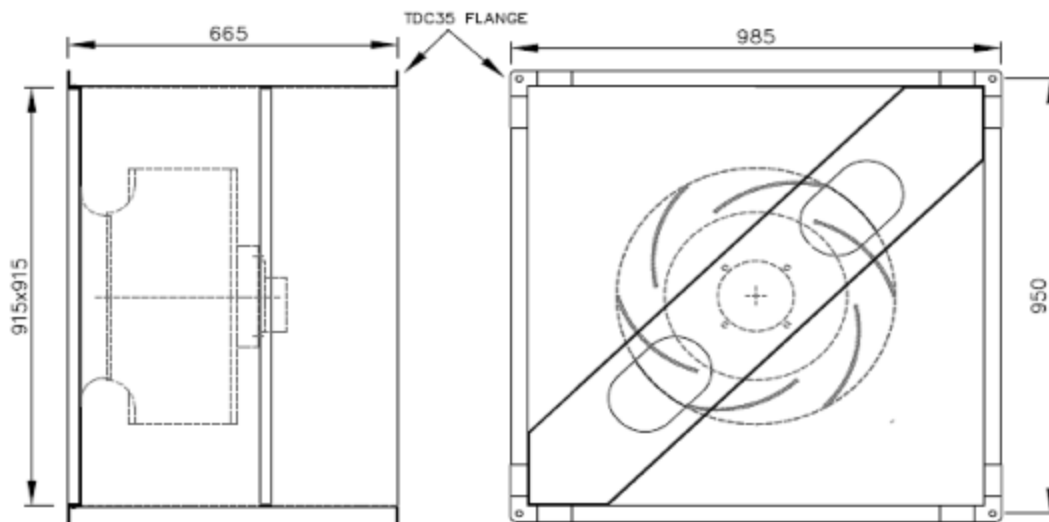
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.70 Kw
Power Supply 400V/3PH/50Hz
Speed 1180 RPM
FLC 3.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 85 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1180	753	1.70	50	70	80	73	68	63	58	56	62	52
1017	560	1.09	43	67	77	70	65	60	55	53	59	49
881	419	0.71	37	64	74	67	62	57	52	50	56	46
738	294	0.42	31	60	70	63	58	53	48	46	52	42
590	188	0.21	25	55	65	58	53	48	43	41	47	37



Inline Backward Curve Centrifugal Fan

AX4-5661



Impeller

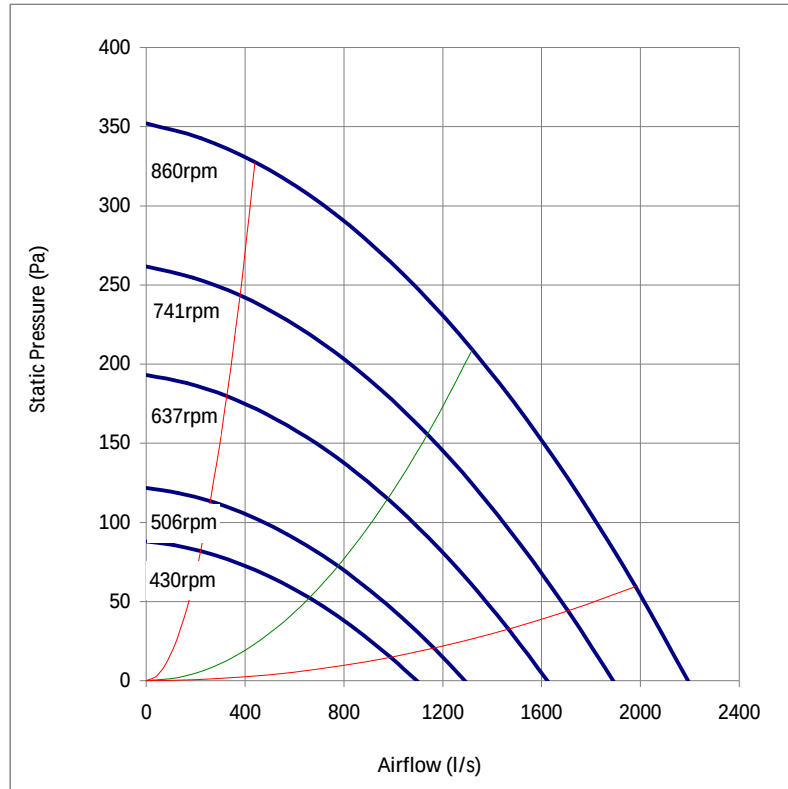
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

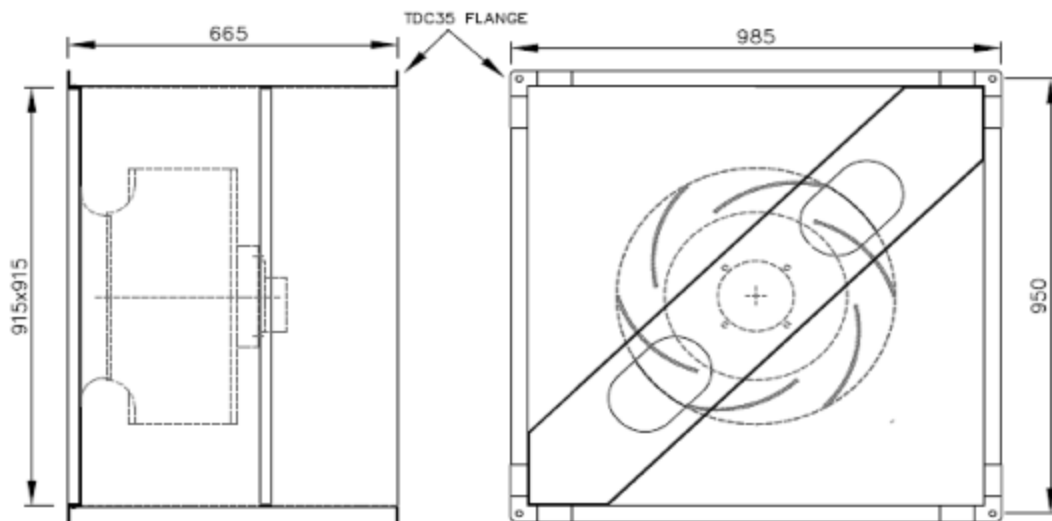
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.66 Kw
Power Supply 230V/1PH/50Hz
Speed 860 RPM
FLC 3.00 A
Capacitor 14 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 85 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
860	352	0.66	230	63	73	66	61	56	51	49	55	44
741	262	0.42	200	60	70	63	58	53	48	46	52	41
637	193	0.27	170	56	66	59	54	49	44	42	48	37
506	122	0.13	130	51	61	54	49	44	39	37	43	32
430	88	0.08	110	48	58	51	46	41	36	34	40	29



Inline Backward Curve Centrifugal Fan

AX4-5663



Impeller

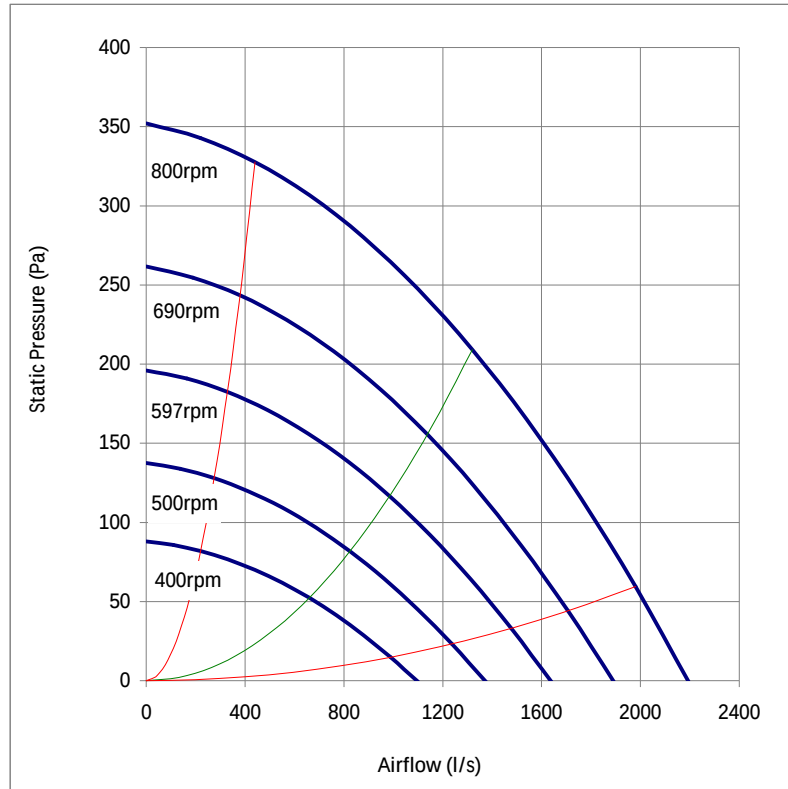
Size 560 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

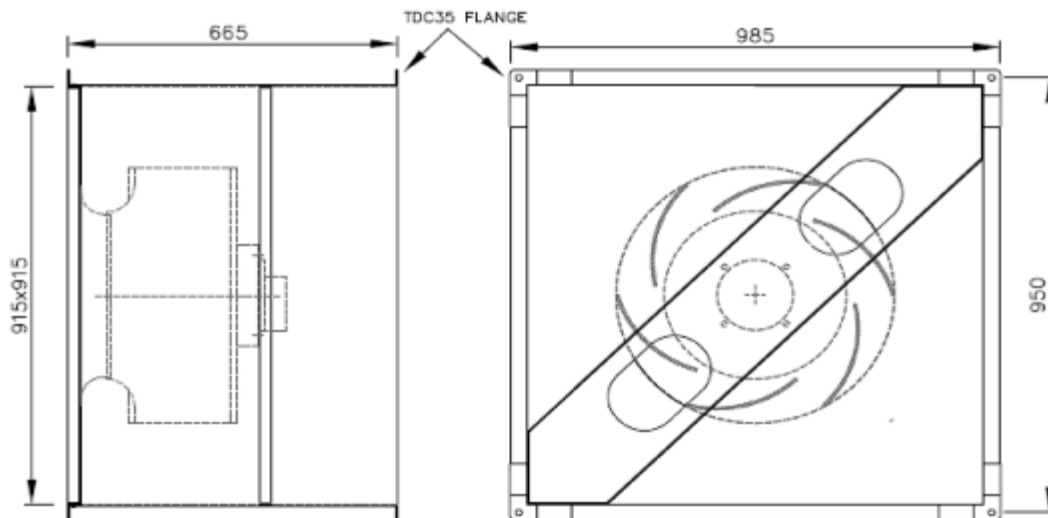
Type External Rotor
IP Rating 54
Insulation Class 155
Power 0.61 Kw
Power Supply 400V/3PH/50Hz
Speed 800 RPM
FLC 1.05 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 85 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
800	352	0.61	50	63	73	66	61	56	51	49	55	44
690	262	0.39	43	60	70	63	58	53	48	46	52	41
597	196	0.25	37	57	67	60	55	50	45	43	49	38
500	138	0.15	31	53	63	56	51	46	41	39	45	34
400	88	0.08	25	48	58	51	46	41	36	34	40	29



Inline Backward Curve Centrifugal Fan

AX4-6343



Impeller

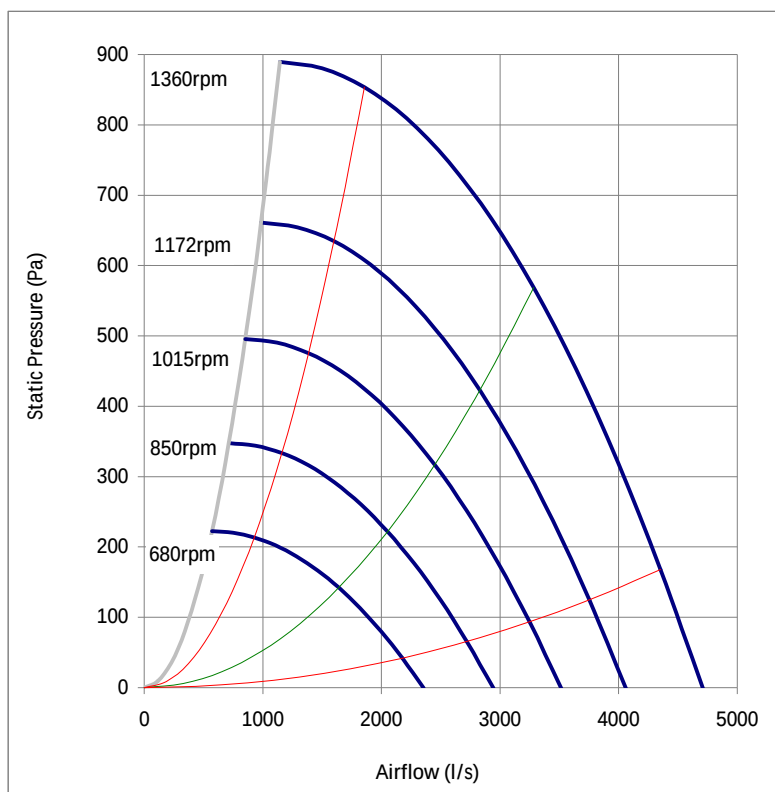
Size 630 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

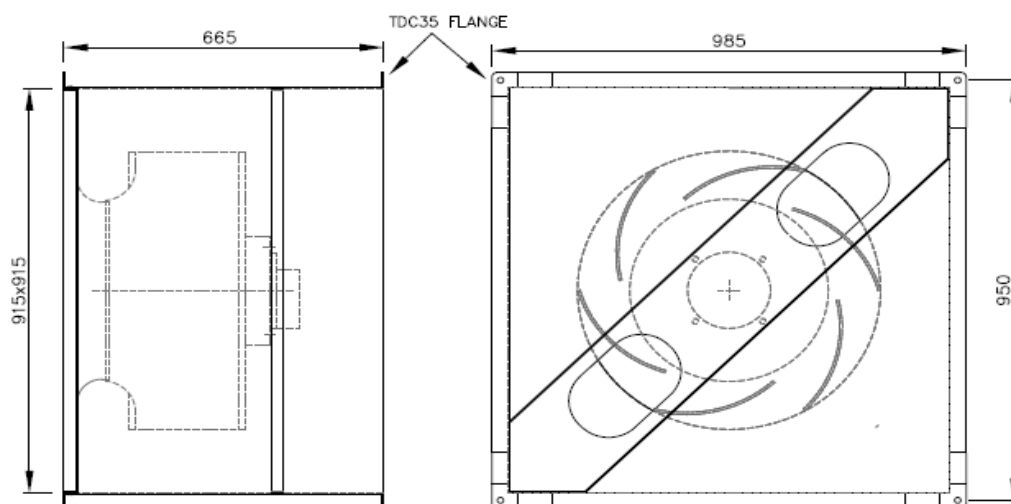
Type External Rotor
IP Rating 54
Insulation Class 155
Power 3.90 Kw
Power Supply 400V/3PH/50Hz
Speed 1360 RPM
FLC 6.60 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 95 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1360	889	3.90	50	81	86	82	77	78	72	69	64	60
1172	661	2.50	43	78	83	79	74	75	69	66	61	57
1015	495	1.62	37	75	80	76	71	72	66	63	58	54
850	347	0.95	31	71	76	72	67	68	62	59	54	50
680	222	0.49	25	66	71	67	62	63	57	54	49	45



Inline Backward Curve Centrifugal Fan

AX4-6363



Impeller

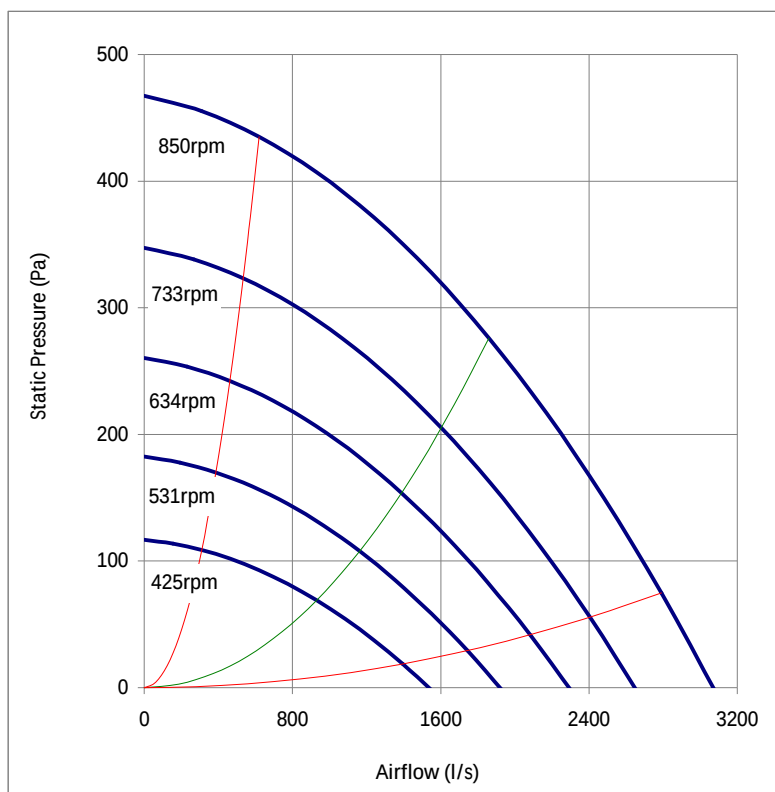
Size 630 mm
Type Backward Arefoil Curve
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

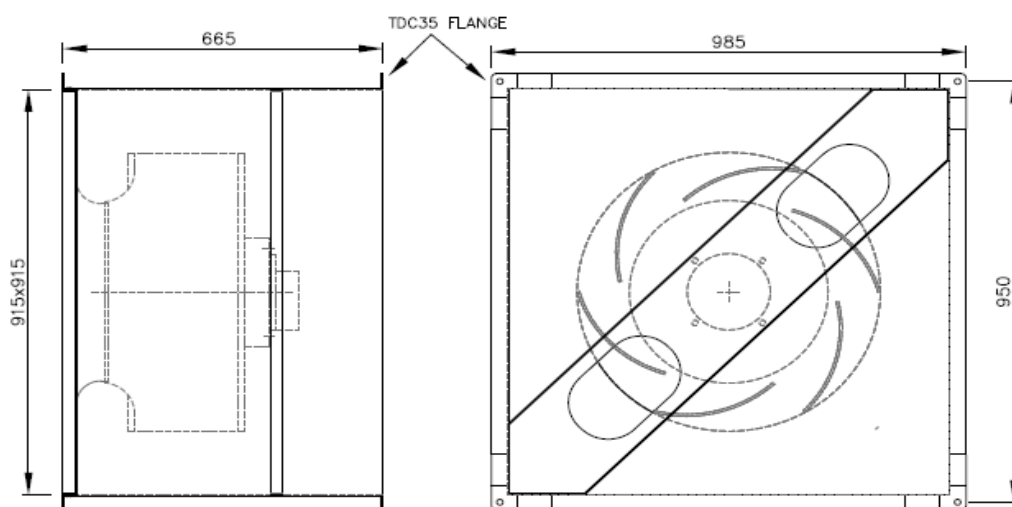
Type External Rotor
IP Rating 54
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 850 RPM
FLC 2.20 A
Capacitor -
Control Variable Speed Drive
Protection Thermal Contacts

Fan

Case Galvanise Steel
Flange TDC35
Weight 95 kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dBA at 3 meters
				63	125	250	500	1k	2k	4k	8k	
850	468	1.10	50	73	78	74	69	70	64	61	56	53
733	347	0.70	43	70	75	71	66	67	61	58	53	50
634	260	0.46	37	67	72	68	63	64	58	55	50	47
531	183	0.27	31	63	68	64	59	60	54	51	46	43
425	117	0.14	25	58	63	59	54	55	49	46	41	38



ACCENT 5

- Direct Driven Inline Centrifugal Fan
 - With TEFC Motor

SPECIFICATION

Sizes

250, 280, 310, 315, 350, 400, 450, 500, 560, 630mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

Ziehl-Abegg Cpro low noise high efficiency centrifugal fan with rotating diffusers and profiled blades. The impellers are manufactured from 100% recyclable composite material and balanced according to ISO1940.

Motors

High efficiency Induction asynchronous motors IE2 or MEPS 2 compliances. Motor enclosure to feature IP55 protection and suitable for variable frequency drive operation. Motor winding insulation is to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Thermistors are provided as standard.

Casing

Casing of the fans are of galvanised steel, with MEZZ flanges connection to suit either flexible duct or galvanised steel ductwork.

Test Procedures

Performance Data – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745

Ziehl-Abegg Cpro Backward Curve Impeller



Inline Backward Curve Centrifugal Fan

AX5-250-037



Impeller

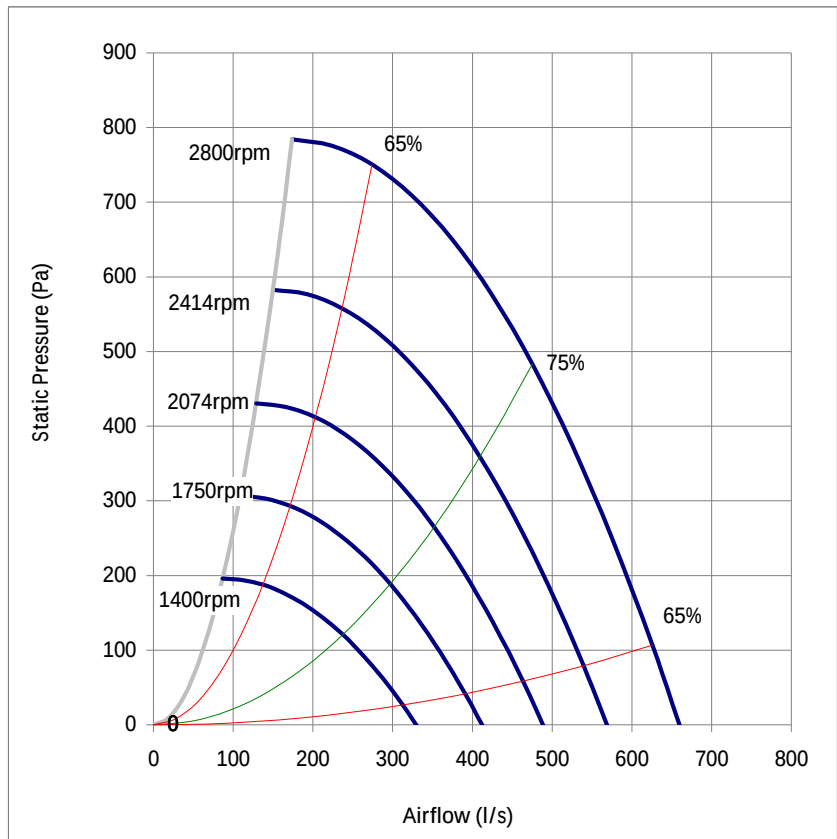
Size 250 mm
Type Backward Arefoil Curve
Material Blue Composite Material
Blades 7

Motor

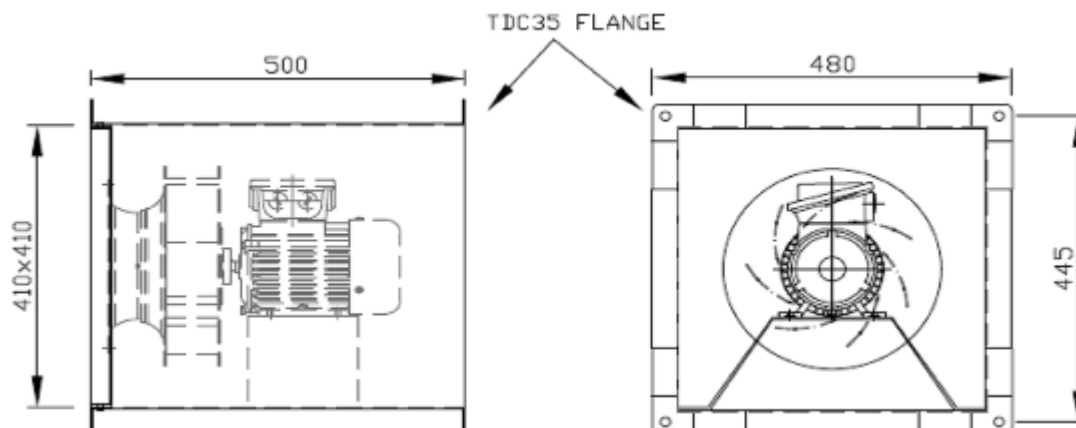
Type IE2
IP Rating 55
Insulation Class 155
Power 0.37 Kw
Power Supply 400V/3PH/50Hz
Speed 2815 RPM
FLC 0.88 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D71

Fan

Case Galvanise Steel
Flange TDC35
Weight 17 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2800	784	0.37	50	66	63	68	68	65	62	60	58	50
2414	583	0.24	43	63	60	65	65	62	59	57	55	47
2074	430	0.15	37	59	56	61	61	58	55	53	51	43
1750	306	0.09	31	56	53	58	58	55	52	50	48	40
1400	196	0.05	25	51	48	53	53	50	47	45	43	35



Inline Backward Curve Centrifugal Fan

AX5-250-055



Impeller

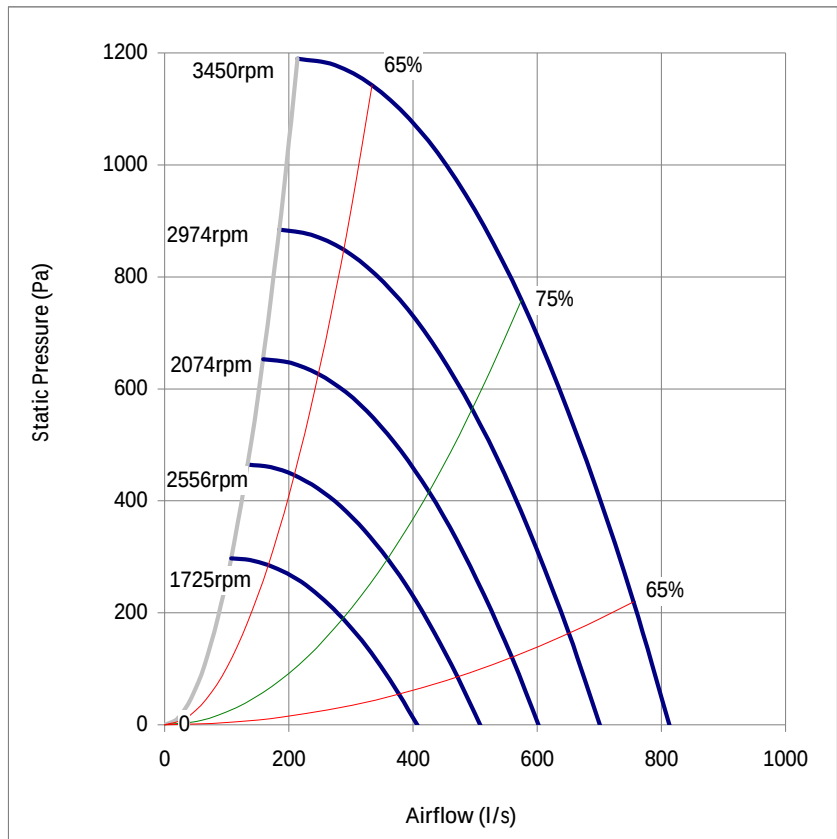
Size 250 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

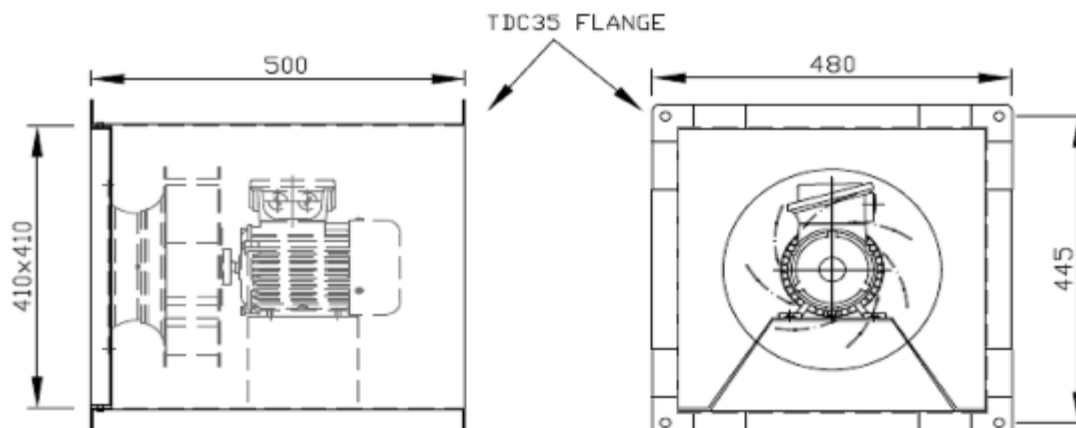
Type IE2
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 2820 RPM
FLC 1.23 A
Control Variabale Speed Drive
Protection PTC Thermistor
Motor Size D71

Fan

Case Galvanise Steel
Flange TDC35
Weight 20 Kg
Max. Temp 50 °C
Max. Frequency 61 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
3450	1190	0.55	61	71	68	73	73	70	67	65	63	55
2974	884	0.35	53	68	65	70	70	67	64	62	60	52
2556	653	0.22	45	64	61	66	66	63	60	58	56	48
2156	465	0.13	38	61	58	63	63	60	57	55	53	45
1725	297	0.07	31	56	53	58	58	55	52	50	48	40



Inline Backward Curve Centrifugal Fan

AX5-280-055



Impeller

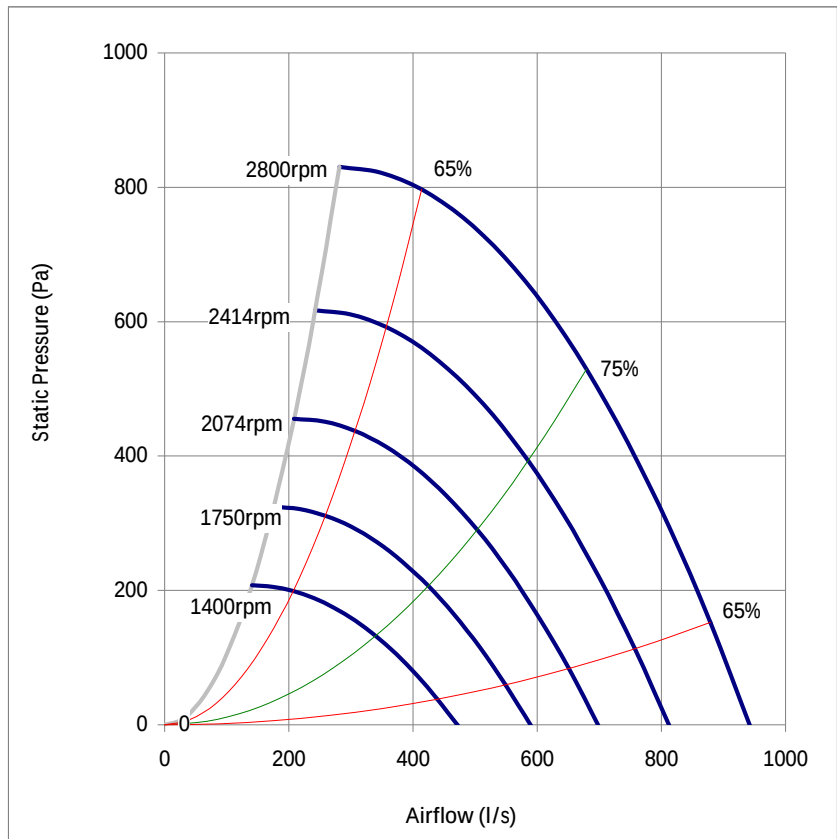
Size 280 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

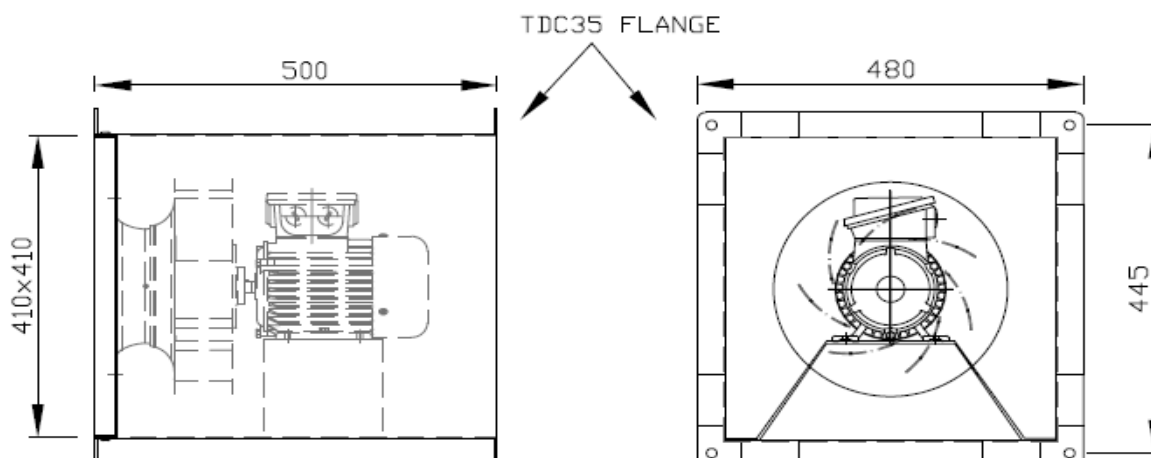
Type IE2
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 2820 RPM
FLC 1.23 A
Control Variabale Speed Drive
Protection PTC Thermistor
Motor Size D71

Fan

Case Galvanise Steel
Flange TDC35
Weight 29 Kg
Max. Temp 50 °C
Max. Frequency 50 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2800	830	0.55	50	68	63	73	71	68	66	64	60	54
2414	617	0.35	43	65	60	70	68	65	63	61	57	51
2074	456	0.22	37	61	56	66	64	61	59	57	53	47
1750	324	0.13	31	58	53	63	61	58	56	54	50	44
1400	208	0.07	25	53	48	58	56	53	51	49	45	39



Inline Backward Curve Centrifugal Fan

AX5-280-075



Impeller

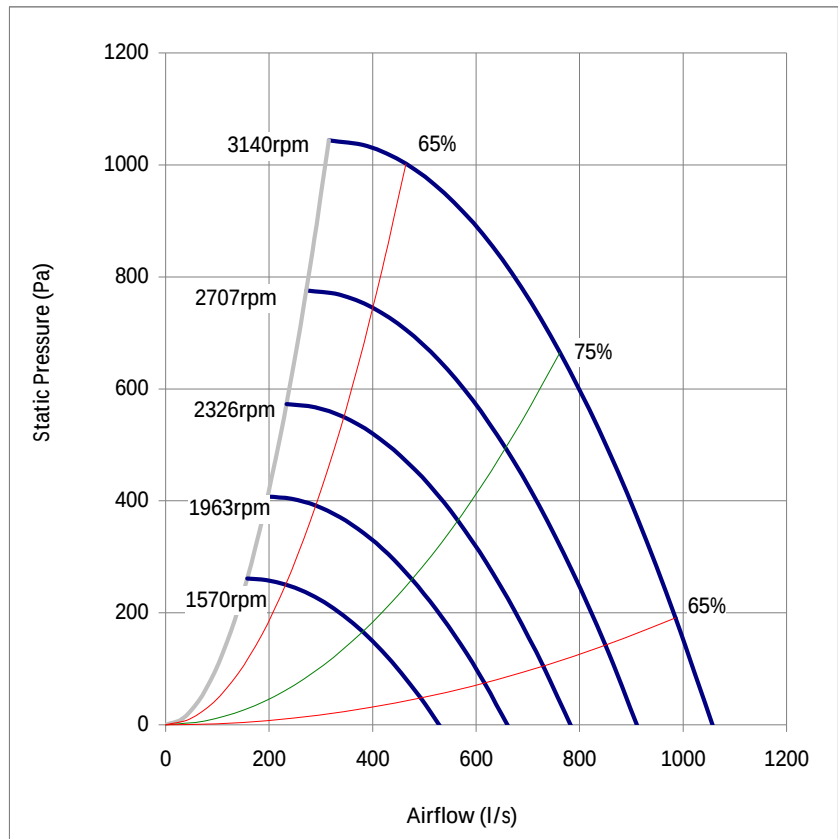
Size 280 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

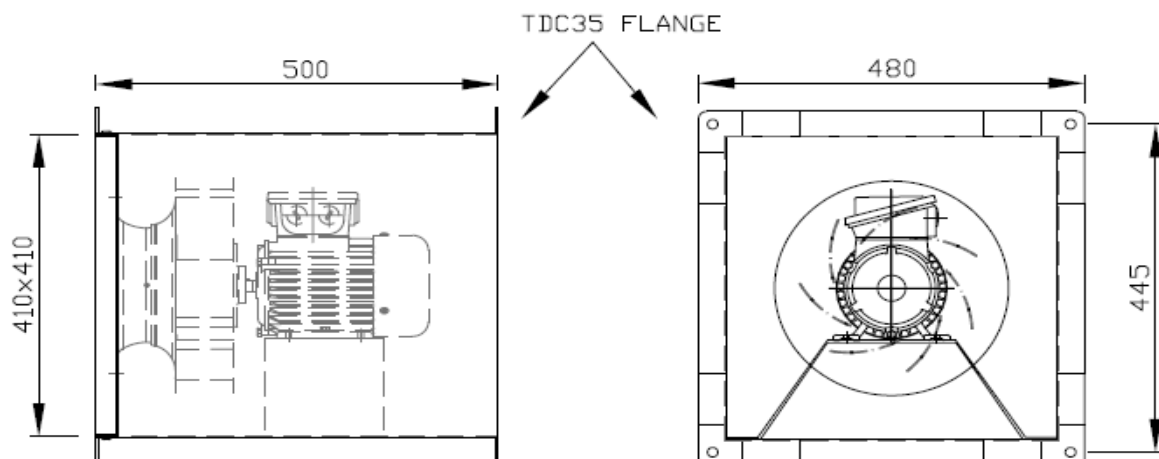
Type IE2
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 2850 RPM
FLC 1.69 A
Control Variabale Speed Drive
Protection PTC Thermistor
Motor Size D80

Fan

Case Galvanise Steel
Flange TDC35
Weight 29 Kg
Max. Temp 50 °C
Max. Frequency 56 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
3140	1044	0.75	56	70	65	75	73	70	68	66	62	56
2707	776	0.48	48	67	62	72	70	67	65	63	59	53
2326	573	0.30	41	63	58	68	66	63	61	59	55	49
1963	408	0.18	35	60	55	65	63	60	58	56	52	46
1570	261	0.09	28	55	50	60	58	55	53	51	47	41



Inline Backward Curve Centrifugal Fan

AX5-310-110



Impeller

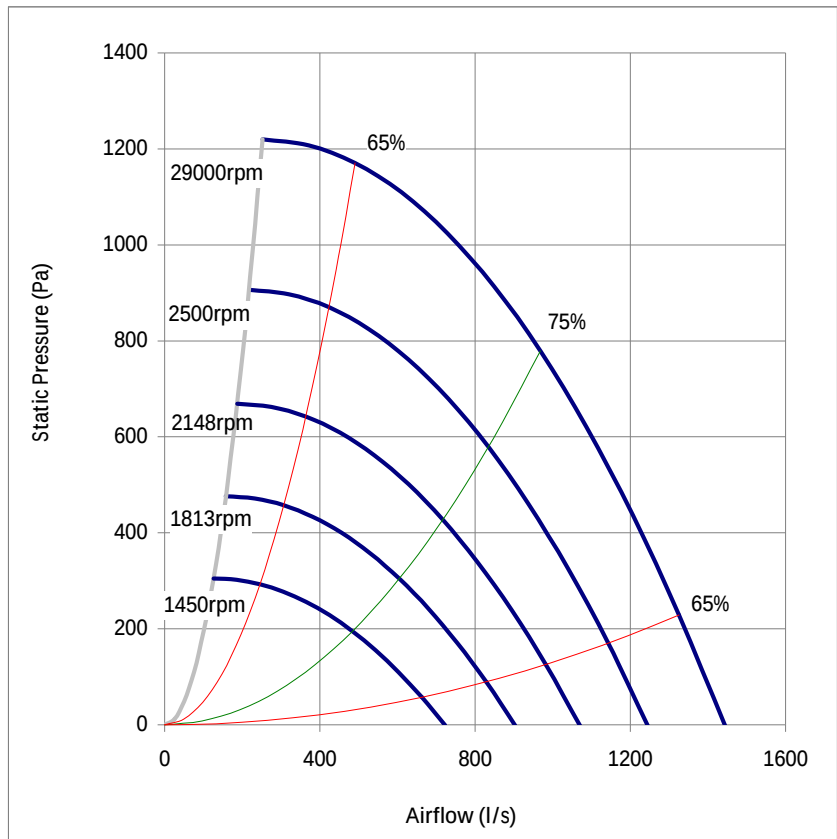
Size 310 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

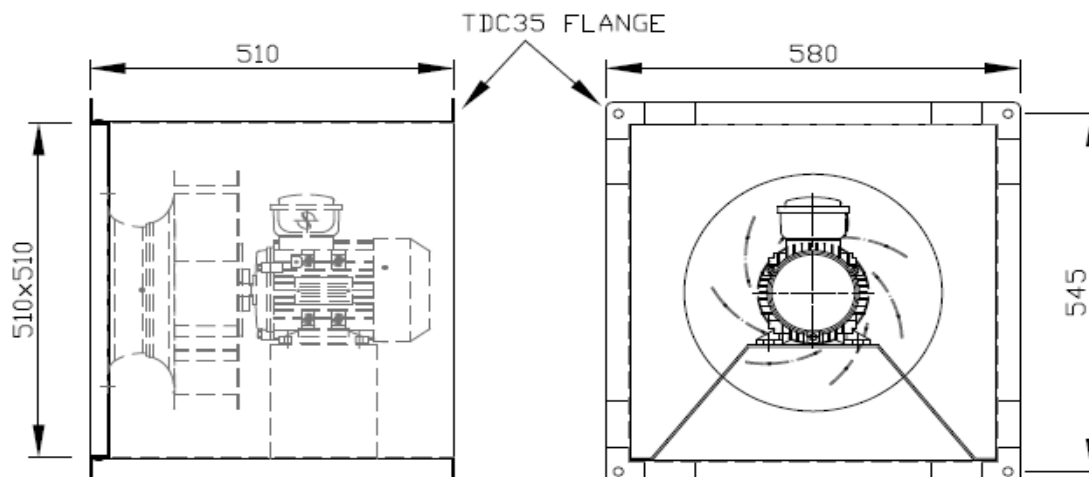
Type IE2
IP Rating 55
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 2870 RPM
FLC 2.39 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D80

Fan

Case Galvanise Steel
Flange TDC35
Weight 35 Kg
Max. Temp 50 °C
Max. Frequency 51 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2900	1220	1.10	51	69	63	77	73	71	70	67	62	57
2500	906	0.70	44	66	60	74	70	68	67	64	59	54
2148	669	0.45	38	62	56	70	66	64	63	60	55	50
1813	476	0.27	32	59	53	67	63	61	60	57	52	47
1450	305	0.14	26	54	48	62	58	56	55	52	47	42



Inline Backward Curve Centrifugal Fan

AX5-310-150



Impeller

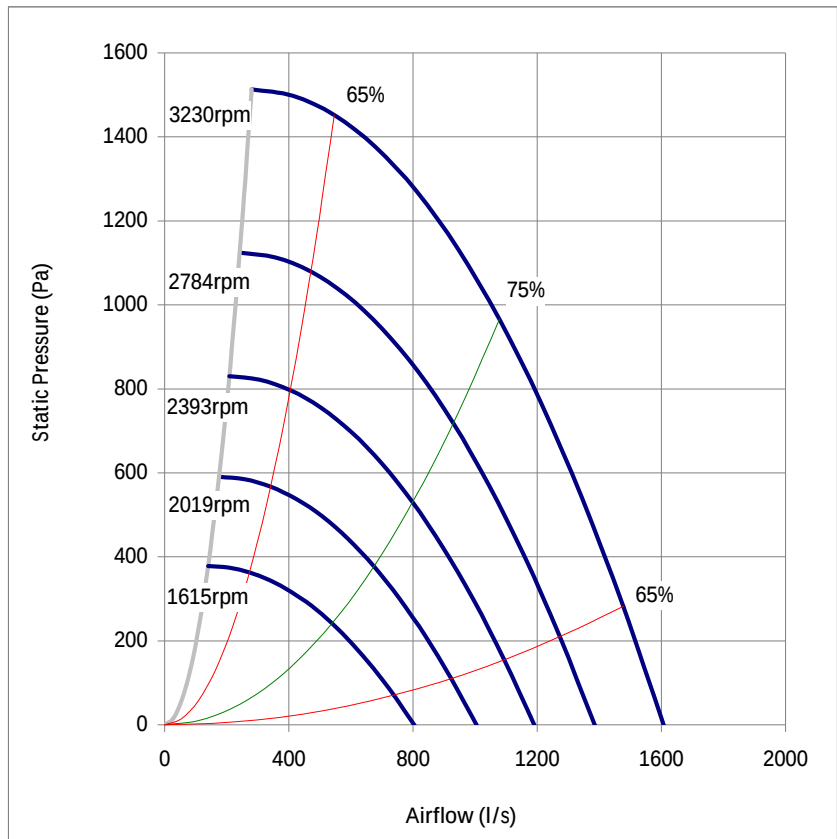
Size 310 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

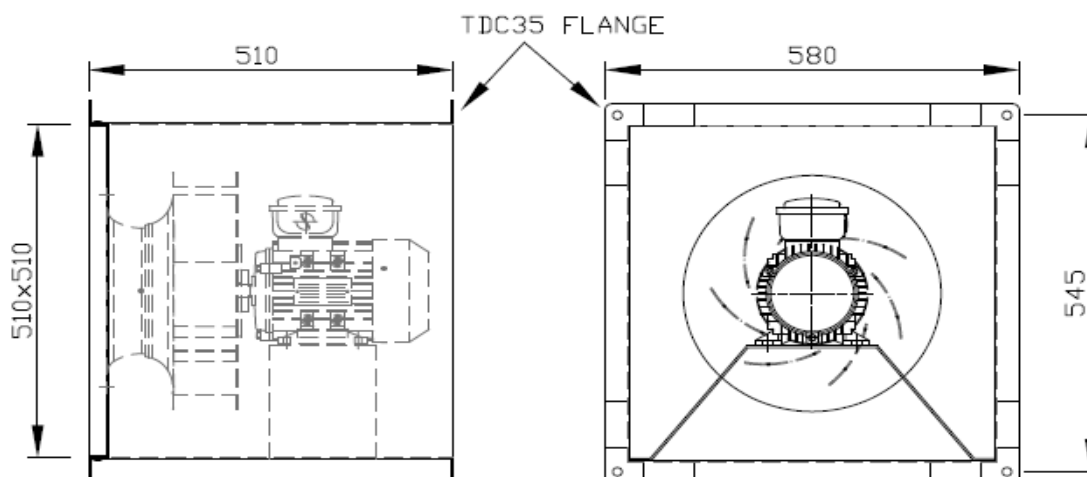
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 2870 RPM
FLC 3.20 A
Control Variabale Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Flange TDC35
Weight 38 Kg
Max. Temp 50 °C
Max. Frequency 57 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
3230	1513	1.50	57	71	65	79	75	73	72	69	64	59
2784	1124	0.96	49	68	62	76	72	70	69	66	61	56
2393	830	0.61	42	64	58	72	68	66	65	62	57	52
2019	591	0.37	36	61	55	69	65	63	62	59	54	49
1615	378	0.19	29	56	50	64	60	58	57	54	49	44



Inline Backward Curve Centrifugal Fan

AX5-350-110



Impeller

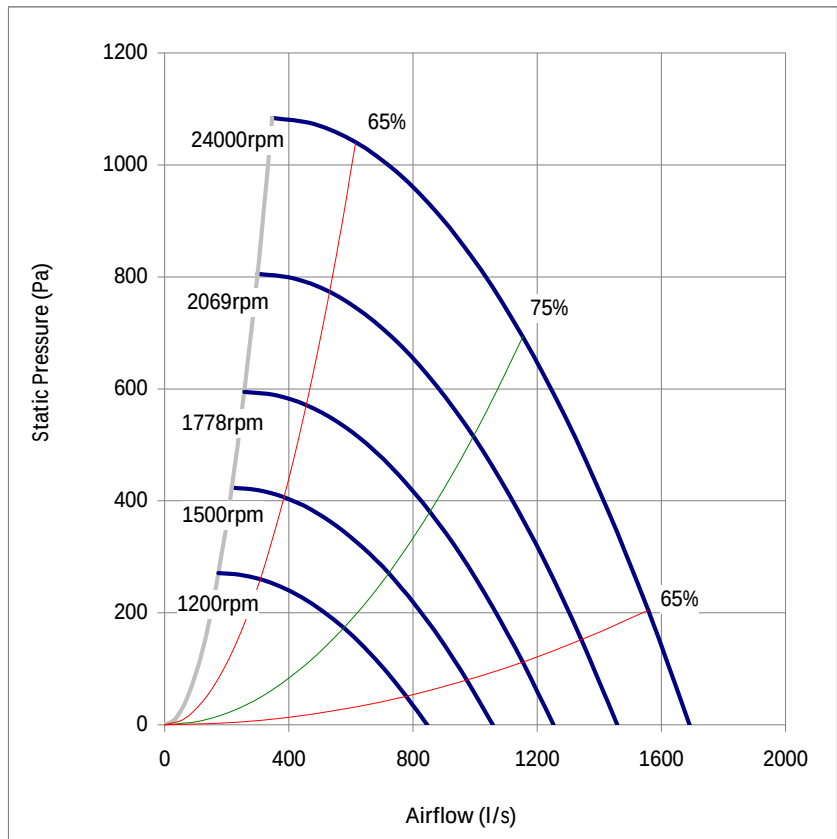
Size 350 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

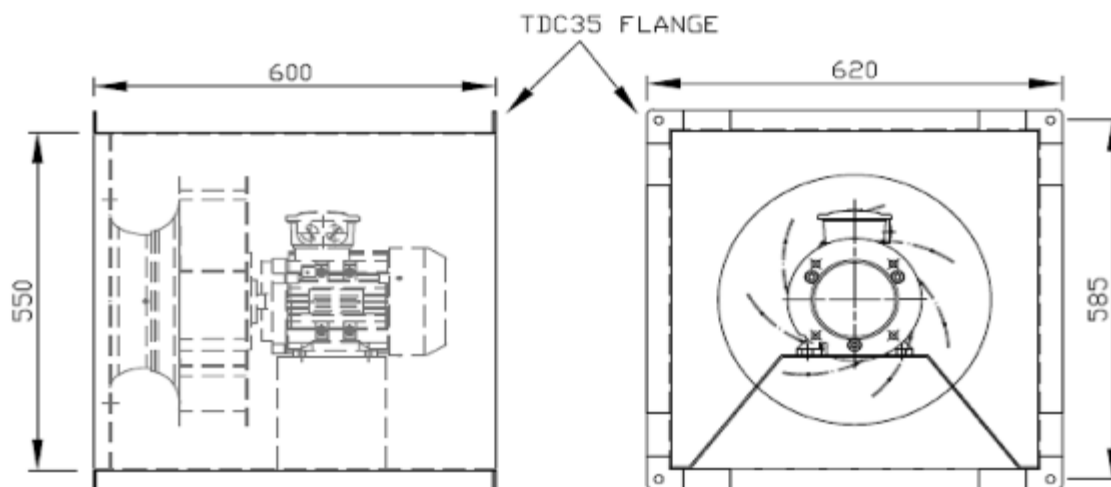
Type IE2
IP Rating 55
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 1410 RPM
FLC 2.63 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Flange TDC35
Weight 50 Kg
Max. Temp 50 °C
Max. Frequency 85 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2400	1084	1.10	85	66	63	77	71	66	66	64	62	54
2069	806	0.70	73	63	60	74	68	63	63	61	59	51
1778	595	0.45	63	59	56	70	64	59	59	57	55	47
1500	423	0.27	53	56	53	67	61	56	56	54	52	44
1200	271	0.14	43	51	48	62	56	51	51	49	47	39



Inline Backward Curve Centrifugal Fan

AX5-350-220



Impeller

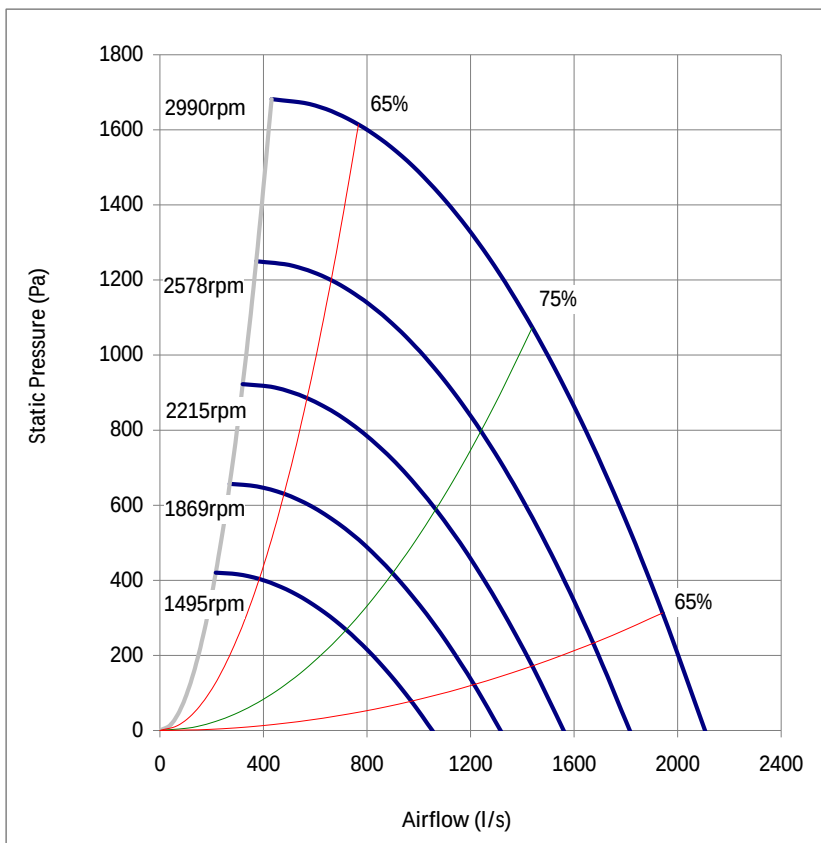
Size 350 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

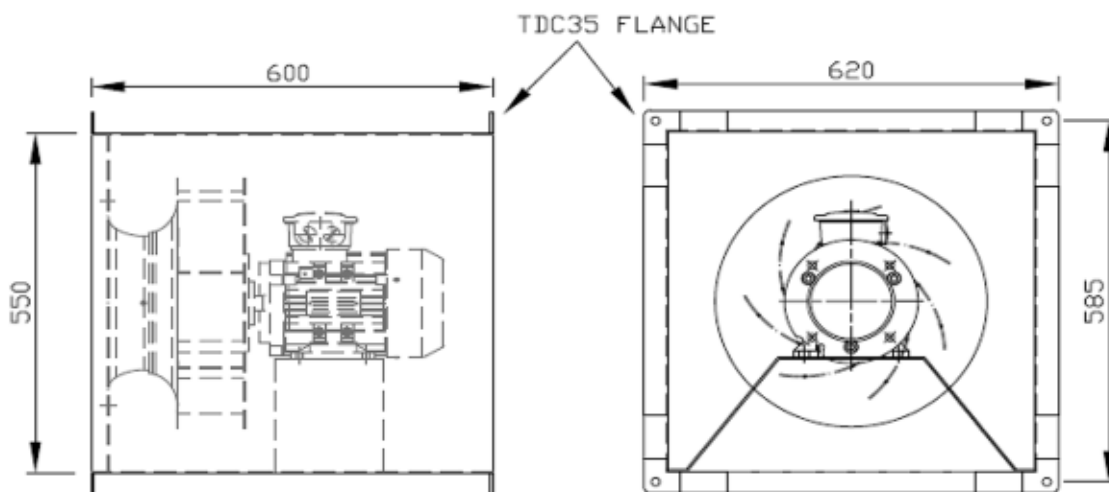
Type IE2
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 2850 RPM
FLC 4.40 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Flange TDC35
Weight 52 Kg
Max. Temp 50 °C
Max. Frequency 53 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2990	1682	2.20	53	71	68	82	76	71	71	69	67	59
2578	1250	1.41	46	68	65	79	73	68	68	66	64	56
2215	923	0.89	39	64	61	75	69	64	64	62	60	52
1869	657	0.54	33	61	58	72	66	61	61	59	57	49
1495	420	0.28	27	56	53	67	61	56	56	54	52	44



Inline Backward Curve Centrifugal Fan

AX5-400-055



Impeller

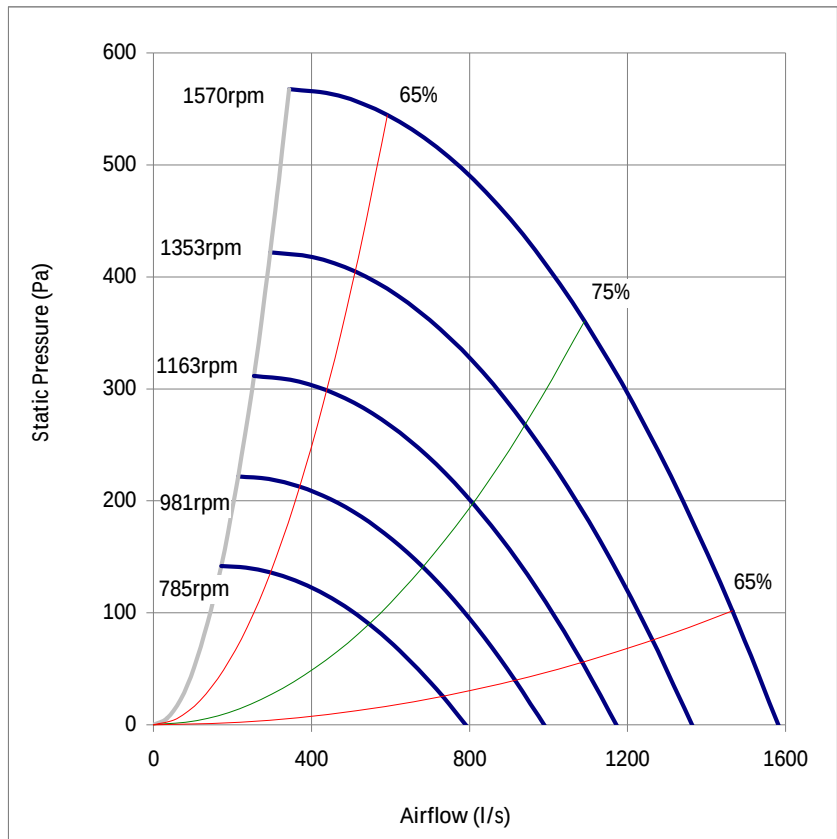
Size 400 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

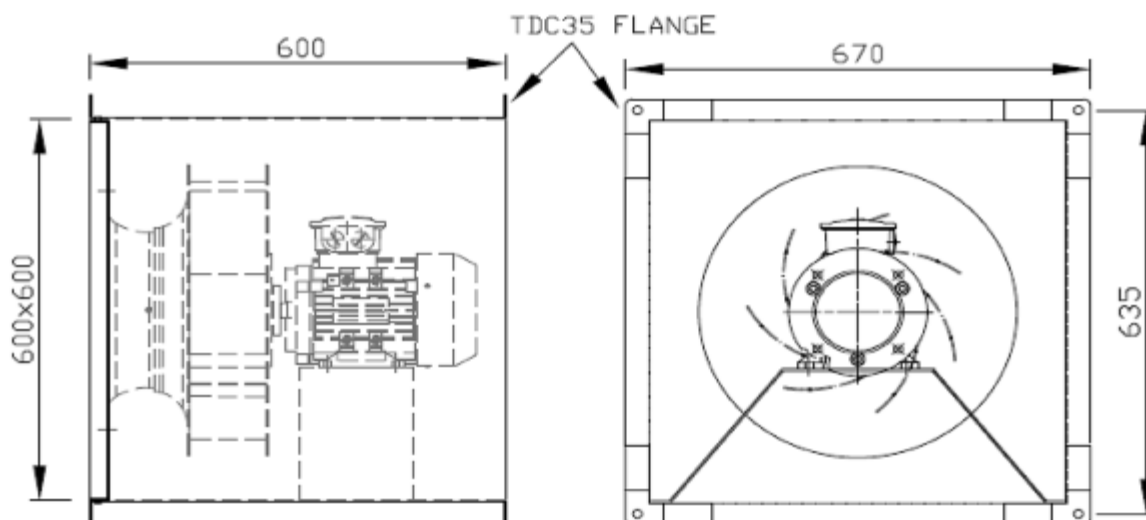
Type IE2
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 1410 RPM
FLC 1.58 A
Control Varibale Speed Drive
Protection PTC Thermistor
Motor Size D80

Fan

Case Galvanise Steel
Flange TDC35
Weight 55 Kg
Max. Temp 50 °C
Max. Frequency 56 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1570	568	0.55	56	60	68	67	64	61	60	57	52	47
1353	422	0.35	48	57	65	64	61	58	57	54	49	44
1163	311	0.22	41	53	61	60	57	54	53	50	45	40
981	222	0.13	35	50	58	57	54	51	50	47	42	37
785	142	0.07	28	45	53	52	49	46	45	42	37	32



Inline Backward Curve Centrifugal Fan

AX5-400-150



Impeller

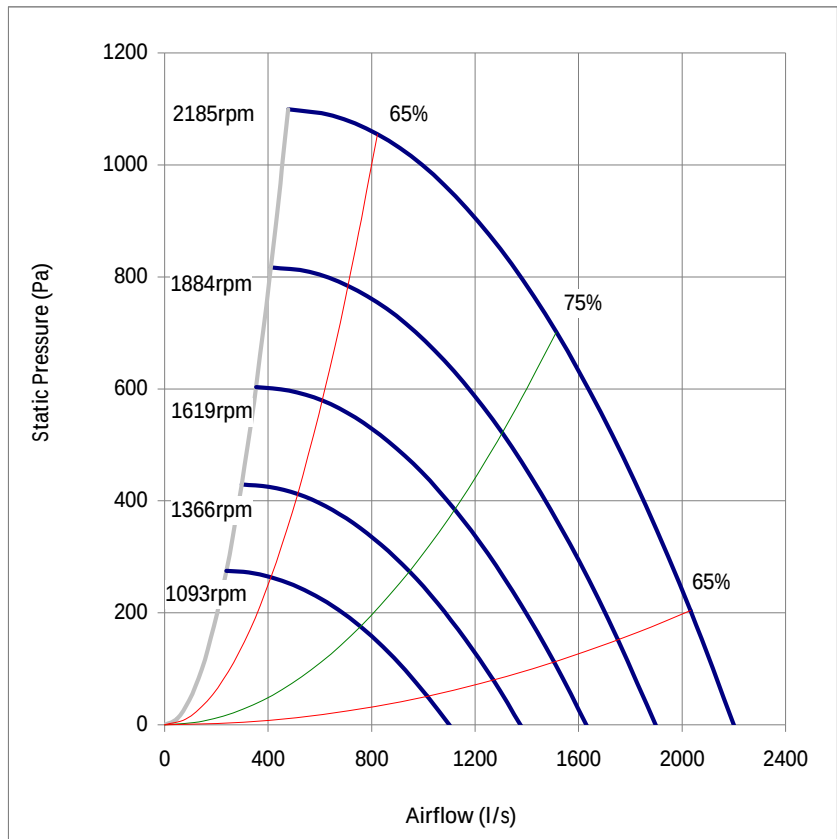
Size 400 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

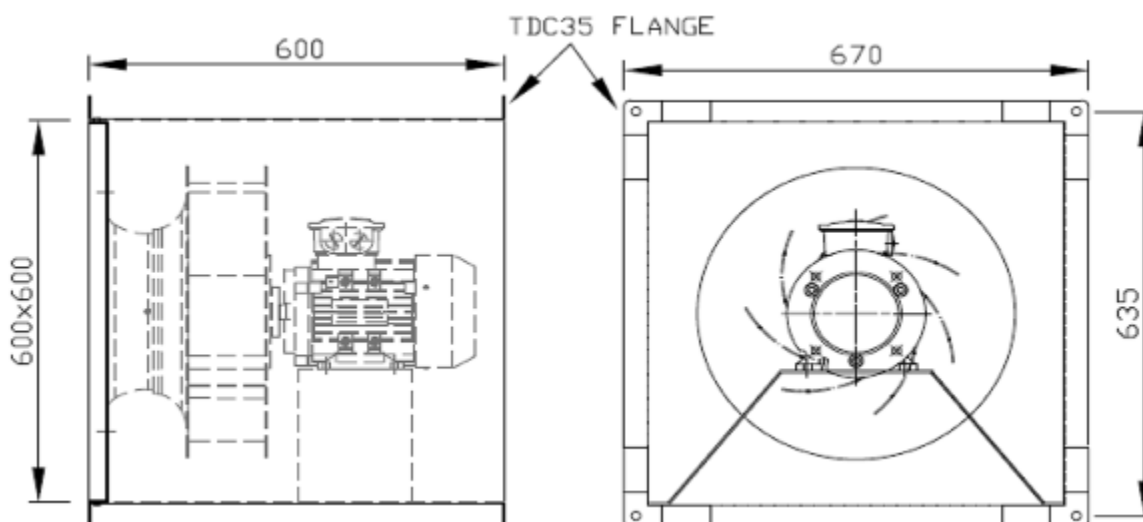
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1420 RPM
FLC 3.50 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Flange TDC35
Weight 58 Kg
Max. Temp 50 °C
Max. Frequency 78 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2185	1099	1.50	78	67	75	74	71	68	67	64	59	54
1884	817	0.96	67	64	72	71	68	65	64	61	56	51
1619	603	0.61	58	60	68	67	64	61	60	57	52	47
1366	429	0.37	49	57	65	64	61	58	57	54	49	44
1093	275	0.19	39	52	60	59	56	53	52	49	44	39



Inline Backward Curve Centrifugal Fan

AX5-450-110



Impeller

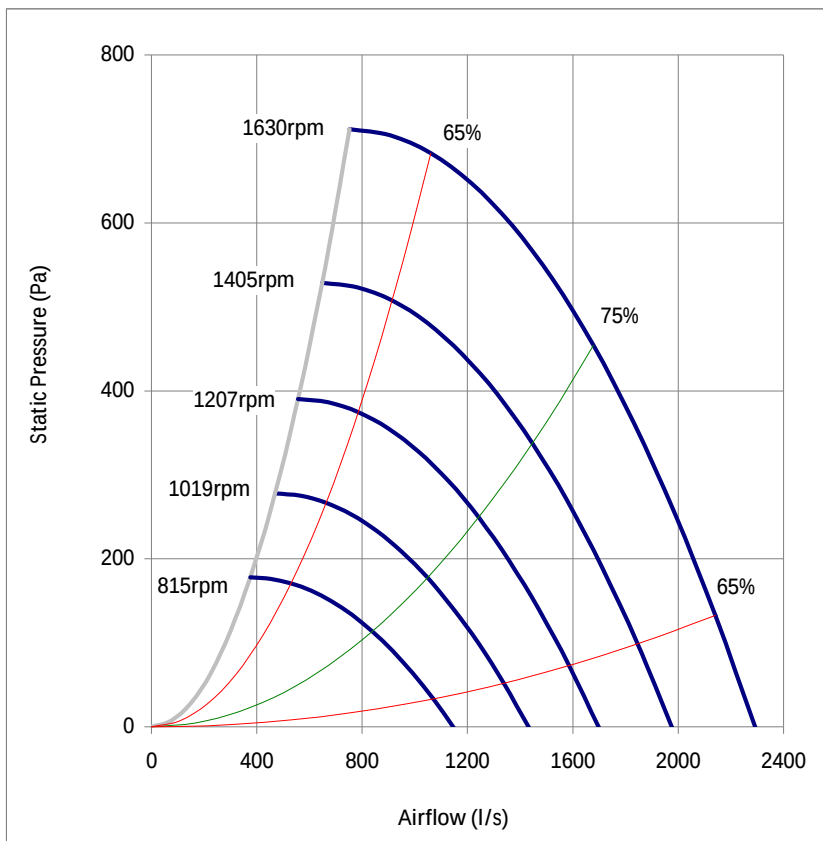
Size 450 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

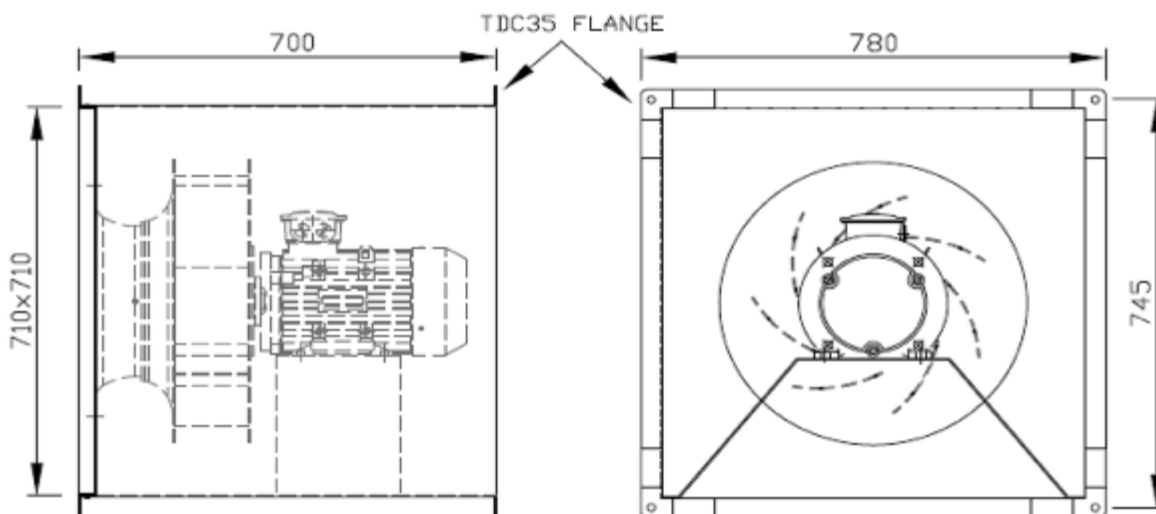
Type IE2
IP Rating 55
Insulation Class 155
Power 1.10 Kw
Power Supply 400V/3PH/50Hz
Speed 1410 RPM
FLC 2.63 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Flange TDC35
Weight 75 Kg
Max. Temp 50 °C
Max. Frequency 57 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1630	712	1.10	57	62	67	72	69	69	63	60	58	53
1405	529	0.70	49	59	64	69	66	66	60	57	55	50
1207	390	0.45	42	55	60	65	62	62	56	53	51	46
1019	278	0.27	36	52	57	62	59	59	53	50	48	43
815	178	0.14	29	47	52	57	54	54	48	45	43	38



Inline Backward Curve Centrifugal Fan

AX5-450-220



Impeller

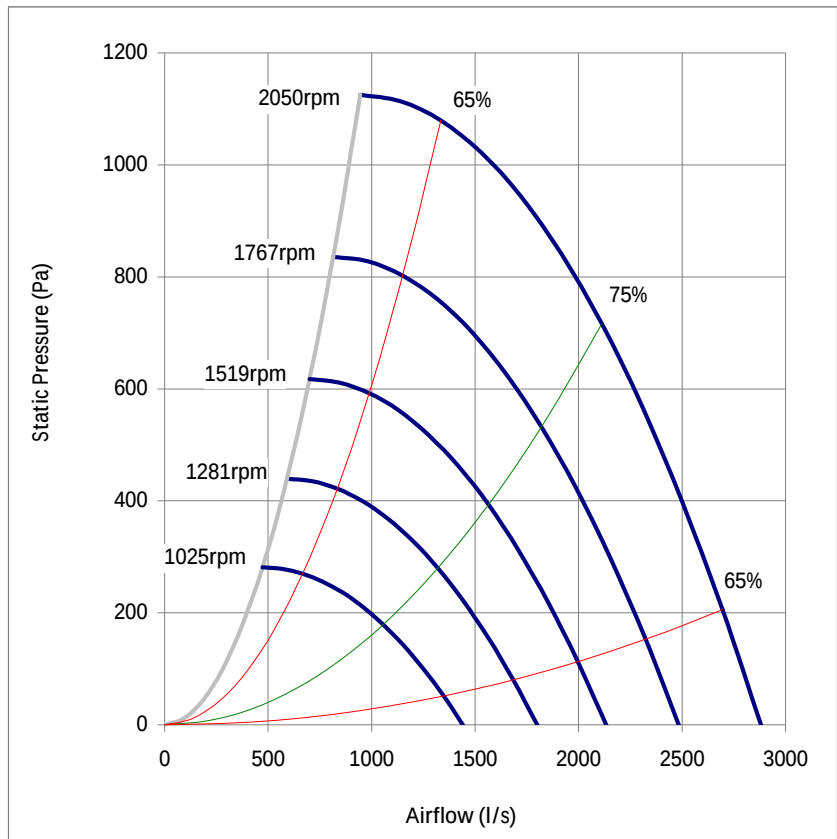
Size 450 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

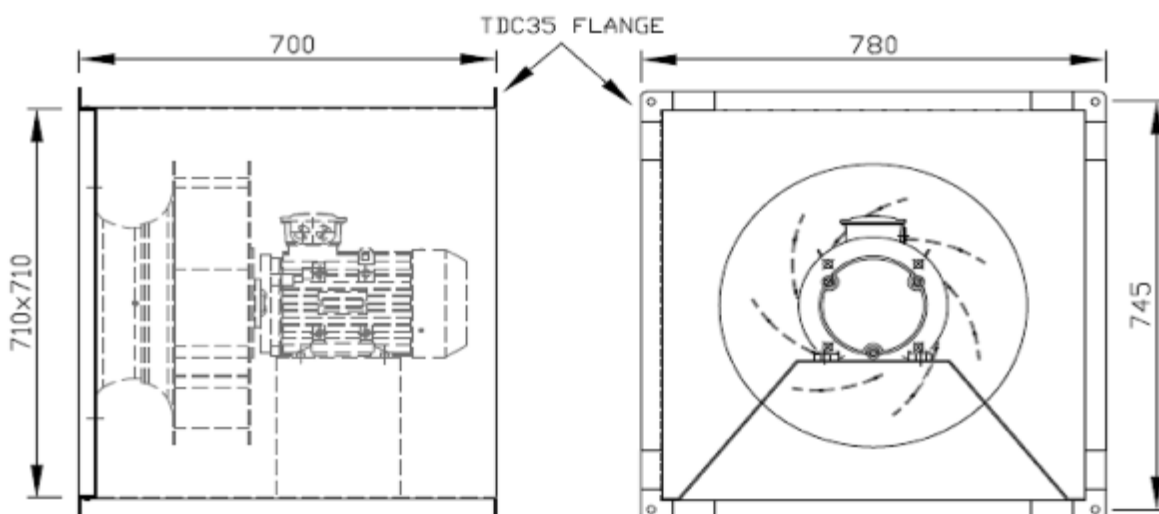
Type IE2
IP Rating 55
Insulation Class 155
Power 2.20 Kw
Power Supply 400V/3PH/50Hz
Speed 1415 RPM
FLC 4.80 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Flange TDC35
Weight 84 Kg
Max. Temp 50 °C
Max. Frequency 71 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2050	1125	2.20	71	62	67	72	69	69	63	60	58	53
1767	836	1.41	61	59	64	69	66	66	60	57	55	50
1519	617	0.89	53	55	60	65	62	62	56	53	51	46
1281	439	0.54	44	52	57	62	59	59	53	50	48	43
1025	281	0.28	36	47	52	57	54	54	48	45	43	38



Inline Backward Curve Centrifugal Fan

AX5-500-150



Impeller

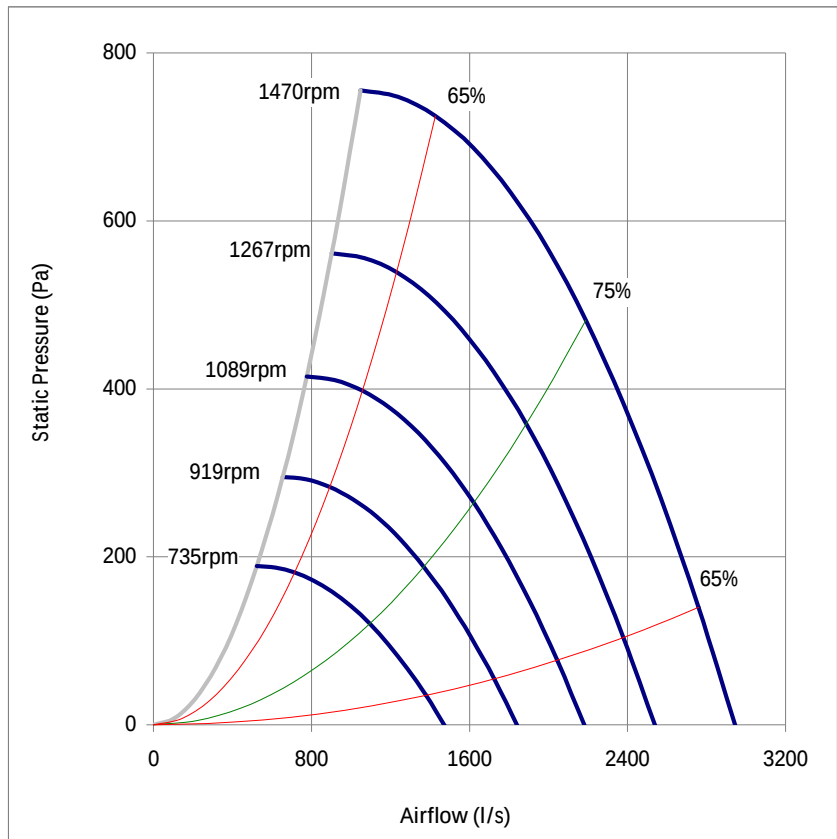
Size 500 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

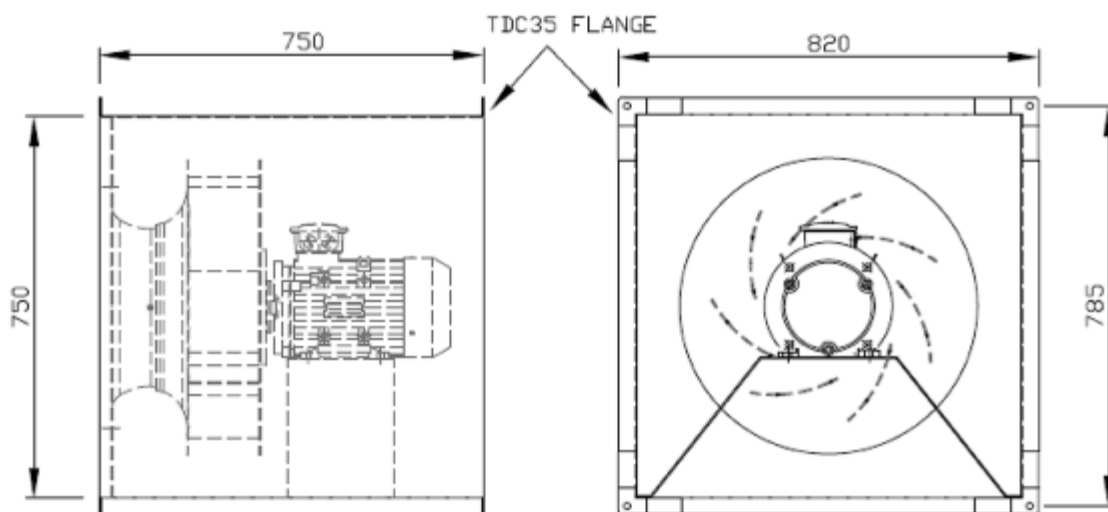
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1410 RPM
FLC 3.40 A
Control Variabale Speed Drive
Protection PTC Thermistor
Motor Size D90

Fan

Case Galvanise Steel
Flange TDC35
Weight 85 Kg
Max. Temp 50 °C
Max. Frequency 51 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1470	755	1.50	51	65	79	77	70	67	66	64	62	55
1267	561	0.96	44	62	76	74	67	64	63	61	59	52
1089	415	0.61	38	58	72	70	63	60	59	57	55	48
919	295	0.37	32	55	69	67	60	57	56	54	52	45
735	189	0.19	26	50	64	62	55	52	51	49	47	40



Inline Backward Curve Centrifugal Fan

AX5-500-300



Impeller

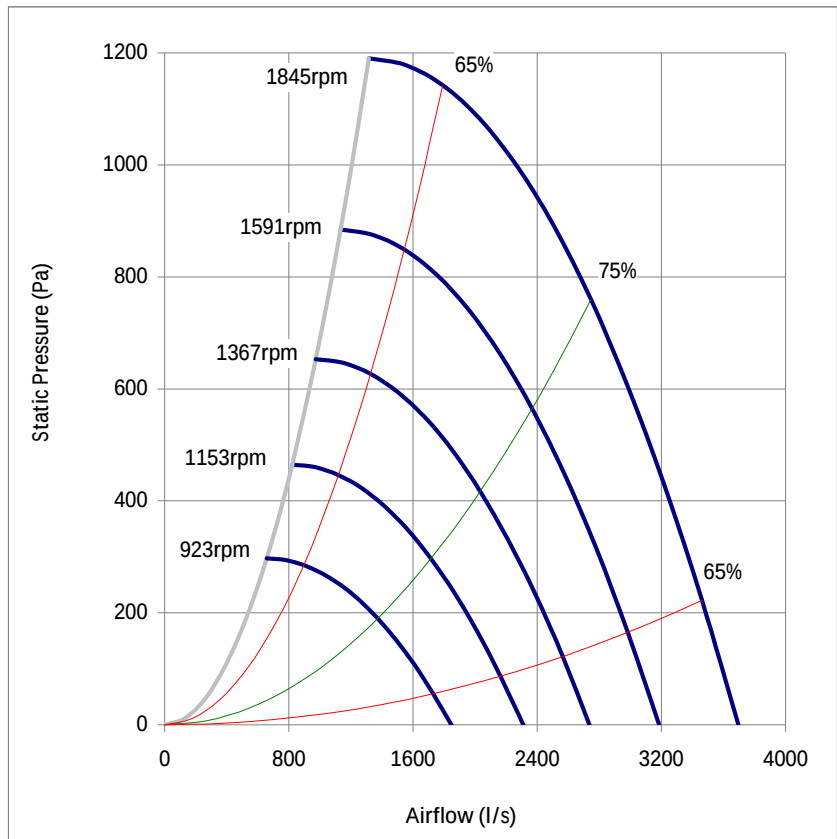
Size 500 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

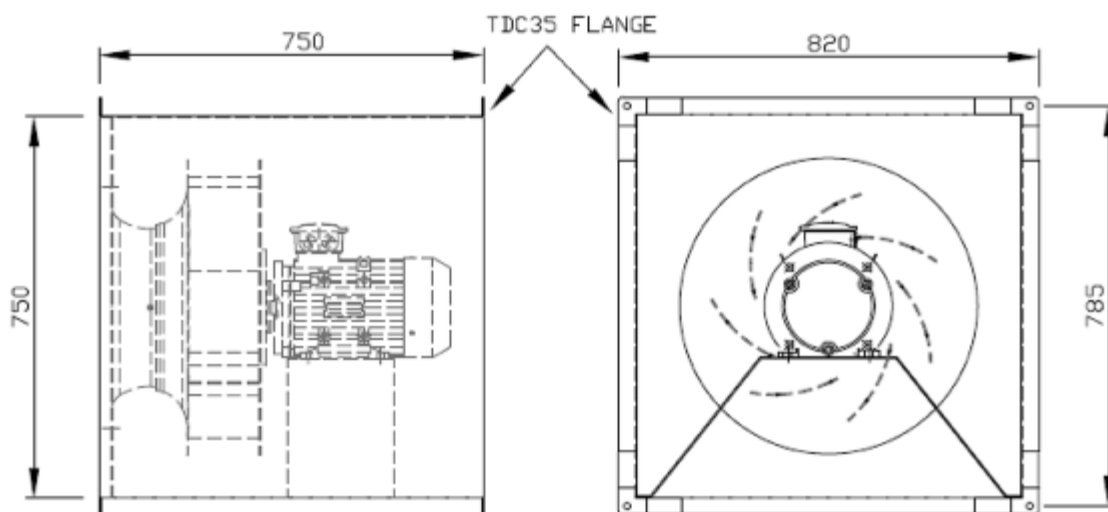
Type IE2
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 1415 RPM
FLC 6.40 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Flange TDC35
Weight 98 Kg
Max. Temp 50 °C
Max. Frequency 65 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1845	1190	3.00	65	70	84	82	75	72	71	69	67	60
1591	884	1.92	56	67	81	79	72	69	68	66	64	57
1367	653	1.22	48	63	77	75	68	65	64	62	60	53
1153	465	0.73	41	60	74	72	65	62	61	59	57	50
923	298	0.38	33	55	69	67	60	57	56	54	52	45



Inline Backward Curve Centrifugal Fan

AX5-560-150



Impeller

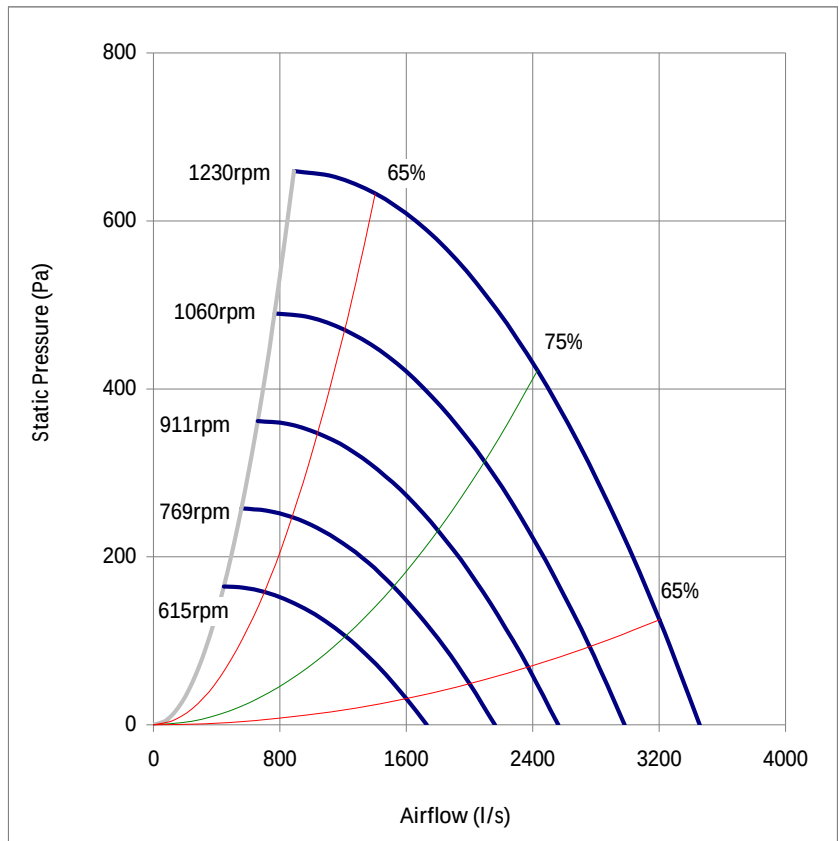
Size 560 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

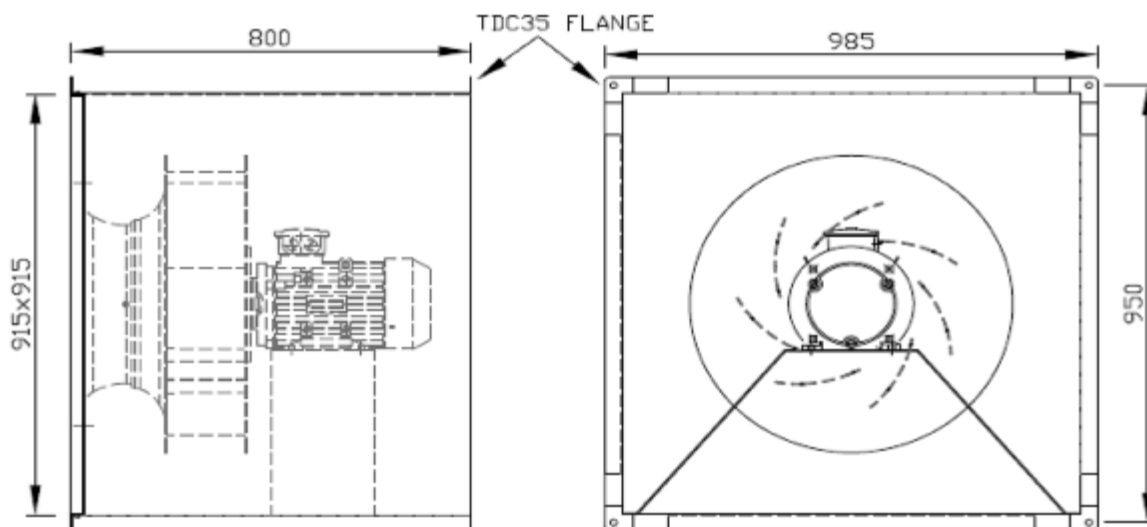
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 930 RPM
FLC 4.30 A
Control Variabale Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Flange TDC35
Weight 116 Kg
Max. Temp 50 °C
Max. Frequency 65 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1230	659	1.50	65	64	77	76	70	67	63	61	59	53
1060	490	0.96	56	61	74	73	67	64	60	58	56	50
911	362	0.61	48	57	70	69	63	60	56	54	52	46
769	258	0.37	41	54	67	66	60	57	53	51	49	43
615	165	0.19	33	49	62	61	55	52	48	46	44	38



Inline Backward Curve Centrifugal Fan

AX5-560-300



Impeller

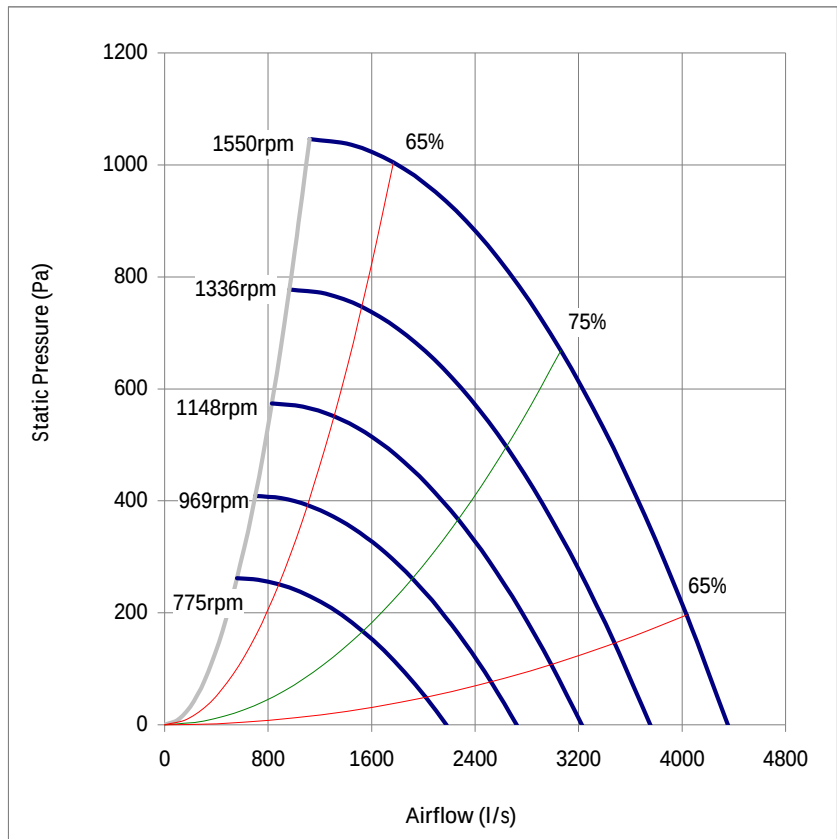
Size 560 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

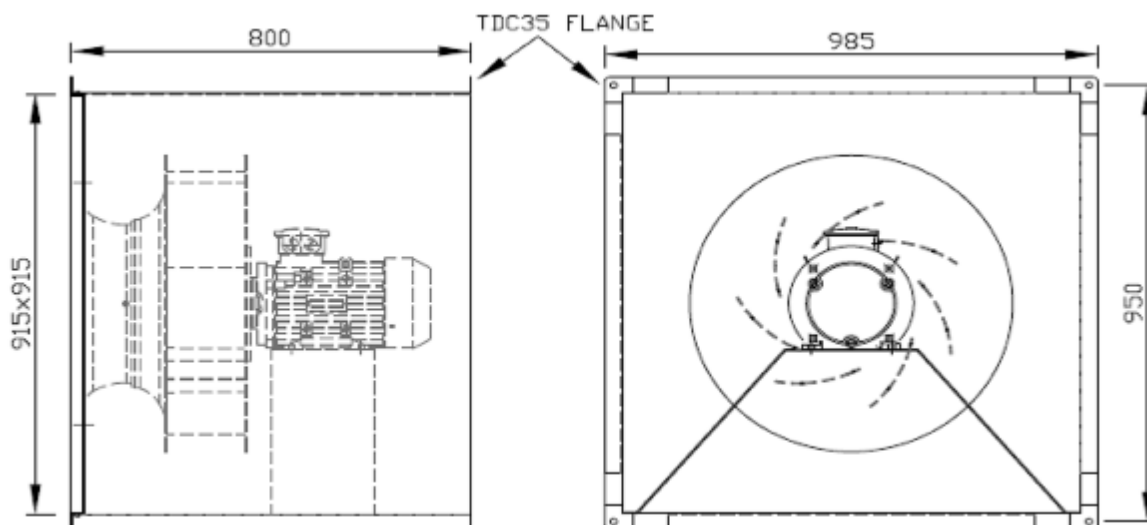
Type IE2
IP Rating 55
Insulation Class 155
Power 3.00 Kw
Power Supply 400V/3PH/50Hz
Speed 1415 RPM
FLC 6.40 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Flange TDC35
Weight 119 Kg
Max. Temp 50 °C
Max. Frequency 55 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1550	1046	3.00	55	69	82	81	75	72	68	66	64	58
1336	778	1.92	47	66	79	78	72	69	65	63	61	55
1148	574	1.22	41	62	75	74	68	65	61	59	57	51
969	409	0.73	34	59	72	71	65	62	58	56	54	48
775	262	0.38	28	54	67	66	60	57	53	51	49	43



Inline Backward Curve Centrifugal Fan

AX5-630-150



Impeller

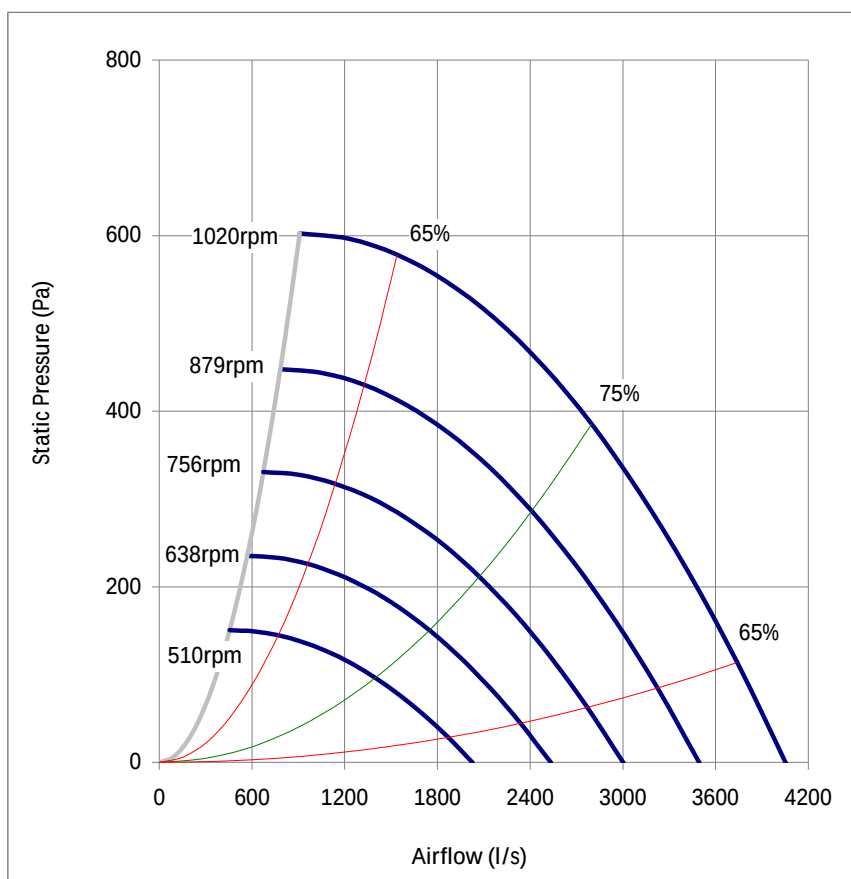
Size 630 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

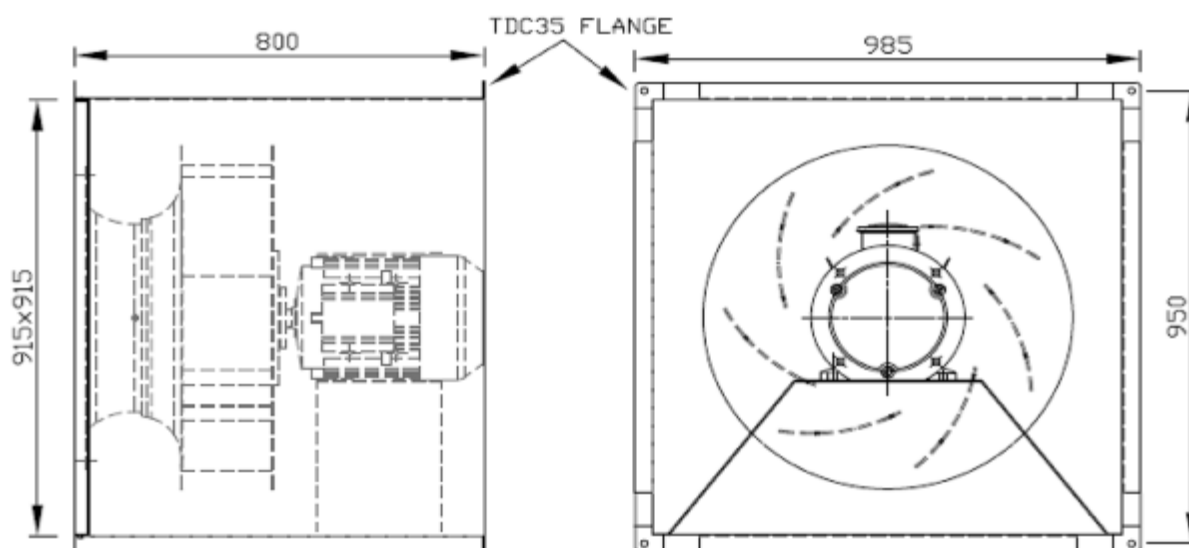
Type IE2
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 930 RPM
FLC 4.30 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D100

Fan

Case Galvanise Steel
Flange TDC35
Weight 135 Kg
Max. Temp 50 °C
Max. Frequency 54 Hz



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL								Sound Pressure Level dB at 3 meters
				dB re 1pw								
				63	125	250	500	1k	2k	4k	8k	
1020	602	1.50	54	64	70	68	70	66	64	58	59	52
879	448	0.96	47	61	67	65	67	63	61	55	56	49
756	331	0.61	40	57	63	61	63	59	57	51	52	45
638	235	0.37	34	54	60	58	60	56	54	48	49	42
510	151	0.19	27	49	55	53	55	51	49	43	44	37



Inline Backward Curve Centrifugal Fan

AX5-630-550



Impeller

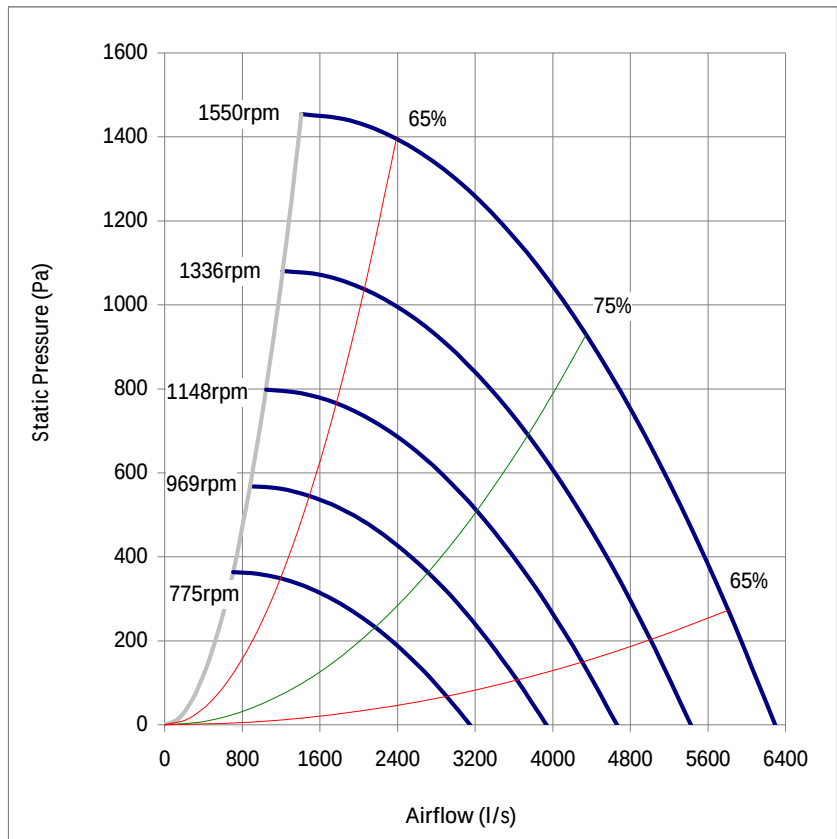
Size 630 mm
Type Backward Arefoil Curve
Material Blue Composite Material

Motor

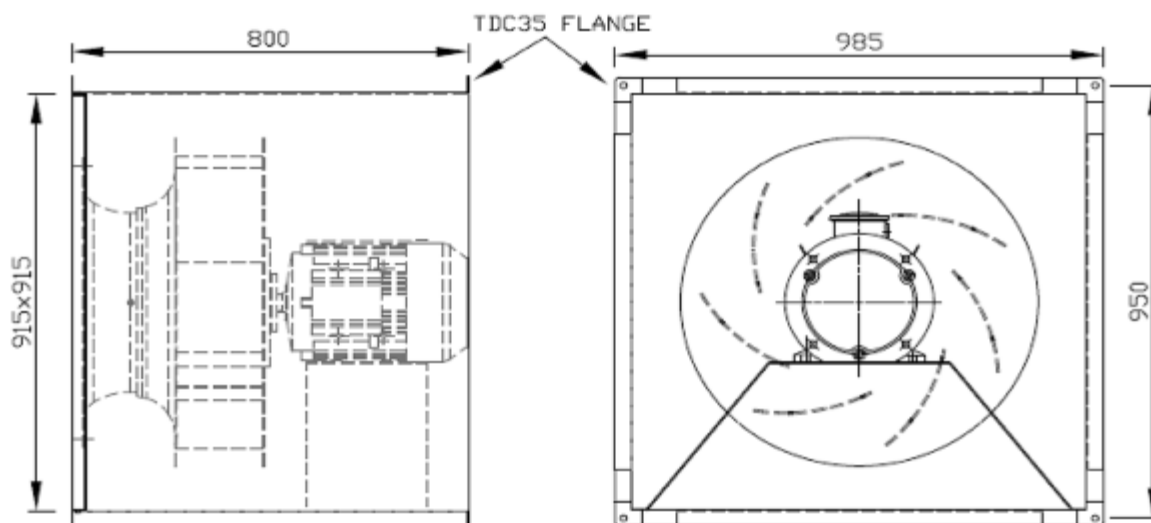
Type IE2
IP Rating 55
Insulation Class 155
Power 5.50 Kw
Power Supply 400V/3PH/50Hz
Speed 1450 RPM
FLC 11.00 A
Control Variable Speed Drive
Protection PTC Thermistor
Motor Size D132

Fan

Case Galvanise Steel
Flange TDC35
Weight 135 Kg
Max. Temp 50 °C
Max. Frequency 55 Hz

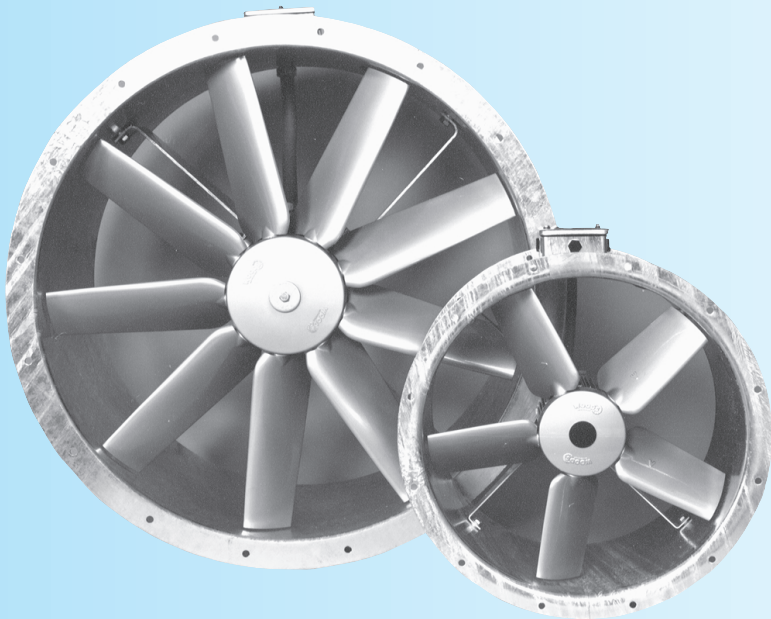


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1550	1454	5.50	55	74	80	78	80	76	74	68	69	62
1336	1081	3.52	47	71	77	75	77	73	71	65	66	59
1148	798	2.24	41	67	73	71	73	69	67	61	62	55
969	568	1.34	34	64	70	68	70	66	64	58	59	52
775	364	0.69	28	59	65	63	65	61	59	53	54	47



JM

JM Inline Aluminium Aerofoil



Motors

Constructed from aluminium up to frame size D160, cast iron above as standard with special "T" slot or pad mounted fixings.

Suitable for horizontal through to vertical shaft operation. Supplied IP55, with removable drain plugs.

Bearings lubricated with wide temperature range grease, sealed for life.

Continuous operating range -40° C to +50° C, minimum starting temperature -20°C (for other operating temperatures please enquire).

Insulation class F as standard.

2 speed operation by Delta/Star reconnection available on most three phase motor up to frame size F22.

Integral pre-wired capacitor on most single phase fans. Ratings comply with BS5000 Part 99 and IEC 34-1.

Two speed motors available

Pole Change (PC) or Dahlander

Two speeds can be obtained by reconnecting a single winding via six winding terminals to give two separate pole numbers.

Dual Wound

This type of motor has two separate individual windings of the requisite poles to give the speeds required.

Electrical Supply

220-240 V 50 Hz single phase (1f)

380-420 V 50 Hz three phase (3f)

(60 Hz variants and other voltages are available on request).

Speed control can be provided by Rexel Air Movement's range of electronic and auto-transformer type speed controllers. Speed control details are based on the adoption of the more usual and technically superior three-wire circuit.

Refer to your regional fan engineer if two wire control is required. The single phase controller rating may be less than the full load current, as only the "U" phase voltage is varied.

Many of the regulatable, three phase motors may be offered for 2 speed applications by Delta/Star reconnection.

Impellers

JM Aerofoil impellers have a unique aerodynamic section blade to optimise the efficiency of performance and minimise the generation of noise. The thin sections obtained by precision die cast manufacturing techniques help promote these particular features whilst also allowing a lighter weight assembly to be produced.

Precision die cast aluminium hub and clamp-plate, with equally spaced, fully adjustable, high pressure die cast aerofoil section blades.

All rotating aluminium components are X-ray examined prior to machining to assure quality.

Balanced to BS6861 Part 1 1987 (ISO 1940-1986) Grade G6.3. Corrosion resistant and suitable for continuous outside use from -40°C to +50°C, (for other operating temperatures please enquire).

Non-overloading

JM Aerofoil fans have a non-overloading characteristic; the peak power input occurs within the range of normal operating pressures and is always exceeded by the motor rating.

Ancillaries

Motor and Impeller side guards to comply with BS848 Pt 5., and draft ISO standard.

Choice of auto-transformer or electronic speed controllers.

2 speed switch for Delta/Star ($\Delta/\star$) reconnection, Silencers.

Mounting Feet for both horizontal or vertical operation. Matching Flanges, Flexible Connectors.

Air Operated Dampers for horizontal or vertical up operation. Bellmouth inlets. Vibration Isolators.

Control gear complete with BMS contacts available on request.

Finish

Fan casings, motor mounting arms, mounting feet, matching flanges and guards are all hot dipped galvanised after manufacture, (in accordance with BS EN ISO 1461:1999).

Motors, aluminium self finish, or painted to motor manufacturers specification.

Reversal of Airflow

Fläktwoods has developed the JM Aerofoil to give the optimum aerodynamic and acoustic performance. To optimise the performance Fläktwoods used the latest design software to establish the blade shape and in particular the aerodynamic blade sections. The results of laboratory testing demonstrated world class aerodynamic and acoustic performance that is AMCA approved.

As part of its commitment to fan engineering and total quality Fläktwoods have established the operational limits of the impellers in all circumstances. Under laboratory conditions Fläktwoods have tested JM impellers when run forwards, and in reverse. By measuring the stresses on the impellers under these conditions, and relating these stresses to the properties of the alloys used for impeller construction, it is possible to determine the maximum speed of the impeller for reliable life long operation.

A further factor that must be considered in assessing the life of the impeller is the quality of the casting. Extensive testing of the alloys we use has established relationships between life, operational stresses, and casting quality. Therefore to further ensure reliable operation of our

impellers all alloy impeller castings are assessed using x-ray against rigorous acceptance criteria.

Since the stresses experienced in the reverse mode are generally higher than those in forward operation some impeller configurations are not suitable for applications that require continuous or regular reverse operation. Where this is the case we have highlighted the fact on each relevant performance chart within this catalogue. If these fans are required to be operated in reverse in other than cases of emergency, then each instance should be referred to your regional fan engineer for qualification or re-selection of impeller type.

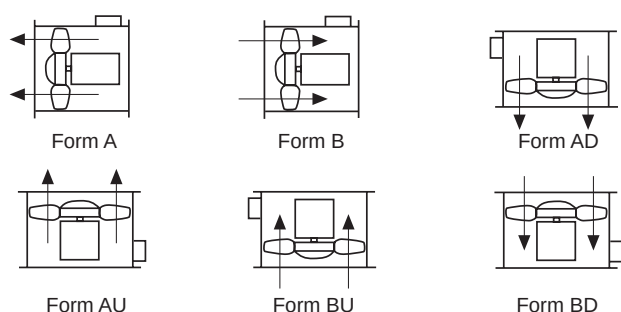
All other impeller configurations can be safely operated in reverse. Reversal is obtained by interchanging electrical connections.

Forms of Running

The direction of airflow through the fan and the fan mounting position are defined as the "Form of running". On each chart is shown the standard Form(s) of running for that particular fan, when mounted horizontally. For vertical operation add suffix "U" for airflow up, or suffix "D" for airflow down.

The standard Form of running offered will be Form B. When an alternative is available: see chart information, please request when the fan is ordered. Form of running is especially relevant when weatherproofed motors are required.

Arrows indicating correct rotation and direction of airflow are incorporated in the duct nameplate.



Testing

The air and sound performance data has been measured by the latest version of British and International Standards:-

ISO 5801:1997 method for testing air performance (dual numbered BS848 Pt1 1997).

BS848 Pt 2 1985, method of noise testing.

It is essential, when comparing fan performances, that the same installation category and test standards are used at all times.

Acoustic Data

The sound levels quoted are based on tests carried out under the Fläktwoods certified laboratory conditions. Using the spectrum corrections stated on each performance chart, an unweighted sound power spectrum can be obtained for the fan.

Motor Ratings

The motor ratings, starting, full load currents and speeds refer to the maximum output of the motor. When the impeller does not require the full output, the power and current will be less than the maximum quoted.

Specifying The Fan

Having chosen the fan most suitable for your individual application.

Please specify as follows:-

1. The fan shall be manufactured by Fläktwoods model type JM Aerofoil , long or short cased (L or S-type).
2. Motors, squirrel cage type, insulated to class F, bearings lubricated with wide temperature grease, keyed shaft. To comply with BS5000 Pt 99 and IEC 34-1. Weatherproof to IP55. (Overheat protection provided on most single phase motors).
3. Impellers, precision die cast aluminium hub and clamp-plate, with equally spaced, fully adjustable precision die cast Aerofoil section blades. All rotating aluminium components to be X-ray examined prior to machining to assure quality of castings.
4. Casings, either a long cased form complete with an externally mounted pre-wired electrical terminal box, or short cased for duct or plate installation. Casings are spun from sheet steel with integral pre-drilled flanges, fully welded seams and hot-dipped galvanised after manufacture for excellent durability.
5. Mounting Arms, manufactured from mild steel hot dipped galvanised after manufacture.
6. Performance shall be independently approved by AMCA, and established in accordance with ISO5801:1997 installation category D, method of testing air performance and BS848 Pt 2 1985 method of noise testing.
7. Ancillaries as required.

Ordering The Fan

After identifying the best fan for your application please order as follows:-

1. Fan type: JM Aerofoil Long cased (L-type), or Short Cased (S-type) Form A or Form B.
2. Fan Code:
eg: 63JM/20/8/6/24
where: 63 denotes the Fan impeller diameter in centimetres.
JM denotes Fan Type.
/20 denotes impeller hub diameter in centimetres.
/8 denotes a nominal 8 pole speed.
/6 denotes the number of blades.
/24 denotes the Pitch Angle for the required duty.
3. Quantity required.
4. Duty required at standard air and temperature e.g. 1.60 m³/s @ 50 Pa.
5. Motor. eg: CT5
6. Electrical Supply:
220-240 V / 50 Hz / 1f
380-420 V / 50 Hz / 3f
7. Ancillary items required.
Mounting Feet.
Impeller and Motor Side Guards.
Silencers with or without pod.
Speed Controller (electronic or auto-transformer) or 2 speed switch type MDS3.10.
Air Operated Dampers.
Matching Flanges .
Bellmouth Inlets.
Flexible Connectors.
Vibration Isolators.

Performance

Please refer to our selection program for detail fan performance, noise level and dimensions

ILC

- Inline Centrifugal Fan
- With External Rotor

SPECIFICATION

Sizes

125, 150, 200, 250, 315mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

ILC2-ILC5: The impellers are manufactured from black composite material incorporating metal back plates

ILC6 is of metal construction.

Impellers are balanced according to ISO1940.

Motors

Asynchronous external rotor motors. Motor enclosure to feature IP44 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

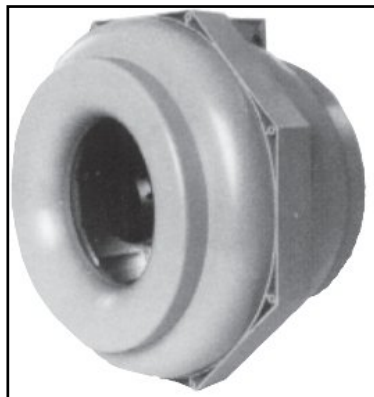
Casing

Casing of the fans are of galvanised steel, with round spigot connection to suit either flexible duct or galvanised steel ductwork.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745



Woods ILC inline centrifugal fan

Inline Centrifugal Fan

ILC2-125



Impeller

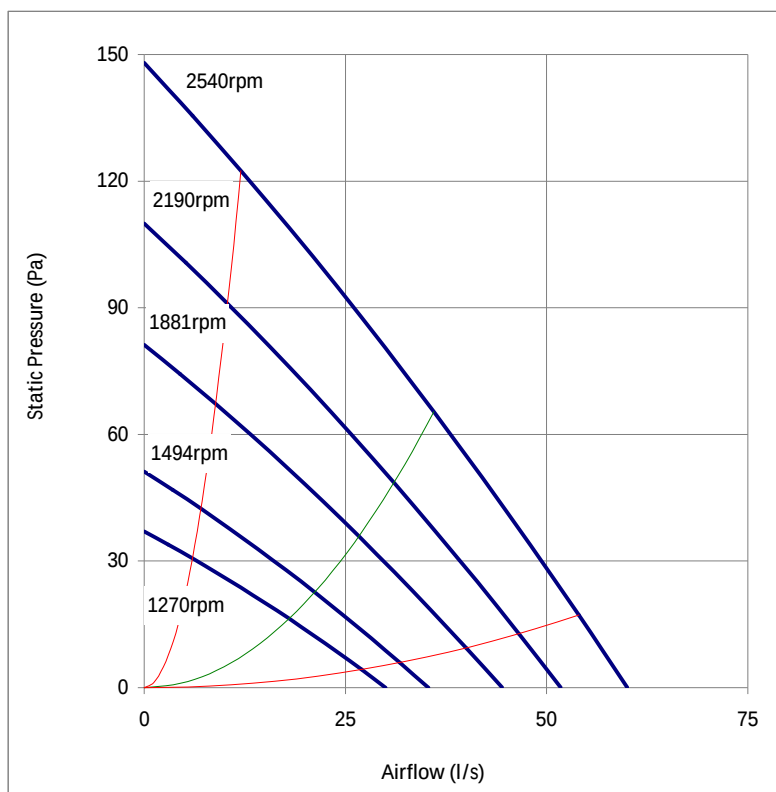
Size 125 mm
Type Backward Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

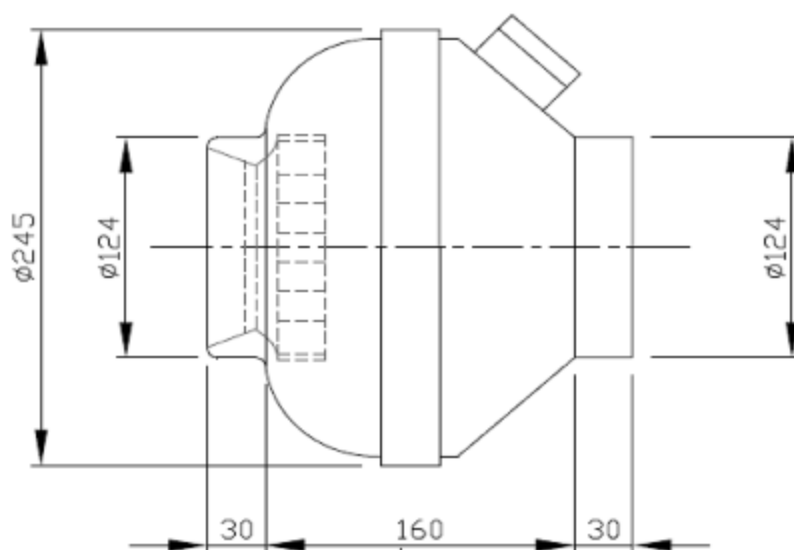
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.05 Kw
Power Supply 230V/1PH/50Hz
Speed 2540
FLC 0.29
Capacitor 2 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Steel
Weight 2.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2540	148	0.05	230	64	60	59	52	46	44	35	33	27
2190	110	0.03	200	61	57	56	49	43	41	32	30	24
1881	81	0.02	170	57	53	52	45	39	37	28	26	20
1494	51	0.01	130	52	48	47	40	34	32	23	21	15
1270	37	0.01	110	49	45	44	37	31	29	20	18	12



Inline Centrifugal Fan

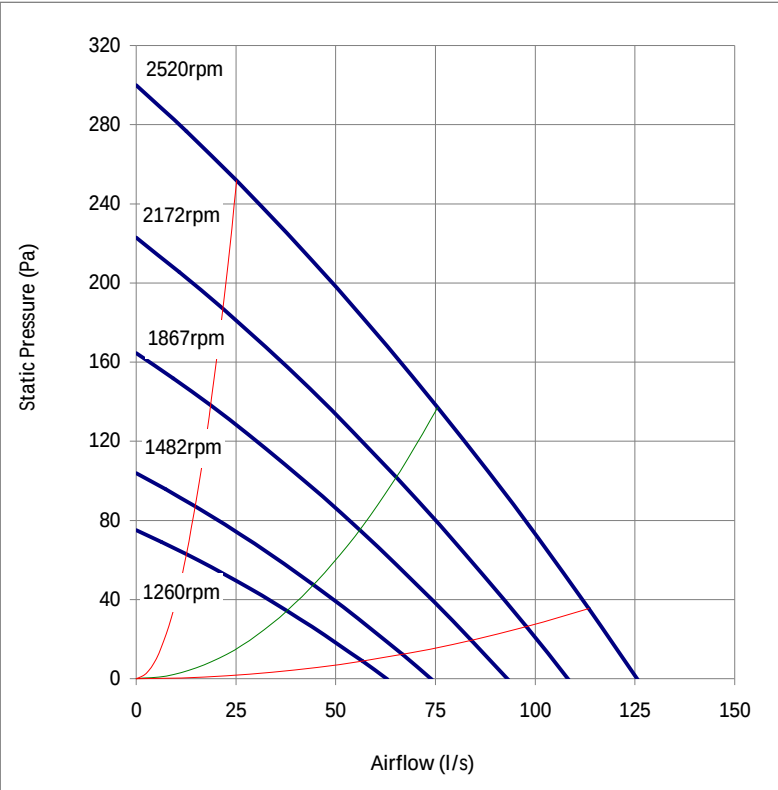
ILC3-150



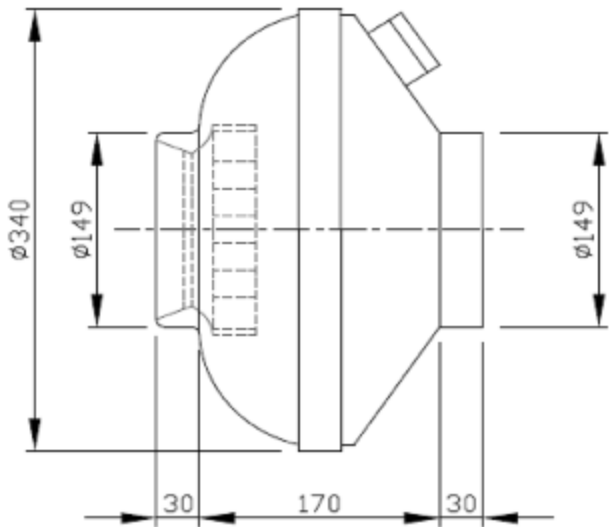
Impeller
Size 150 mm
Type Backward Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 2520
FLC 0.31
Capacitor 2 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan
Case Steel
Weight 2.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2520	300	0.07	230	67	63	63	56	49	46	38	36	36
2172	223	0.04	200	64	60	60	53	46	43	35	33	33
1867	165	0.03	170	60	56	56	49	42	39	31	29	29
1482	104	0.01	130	55	51	51	44	37	34	26	24	24
1260	75	0.01	110	52	48	48	41	34	31	23	21	21



Inline Centrifugal Fan

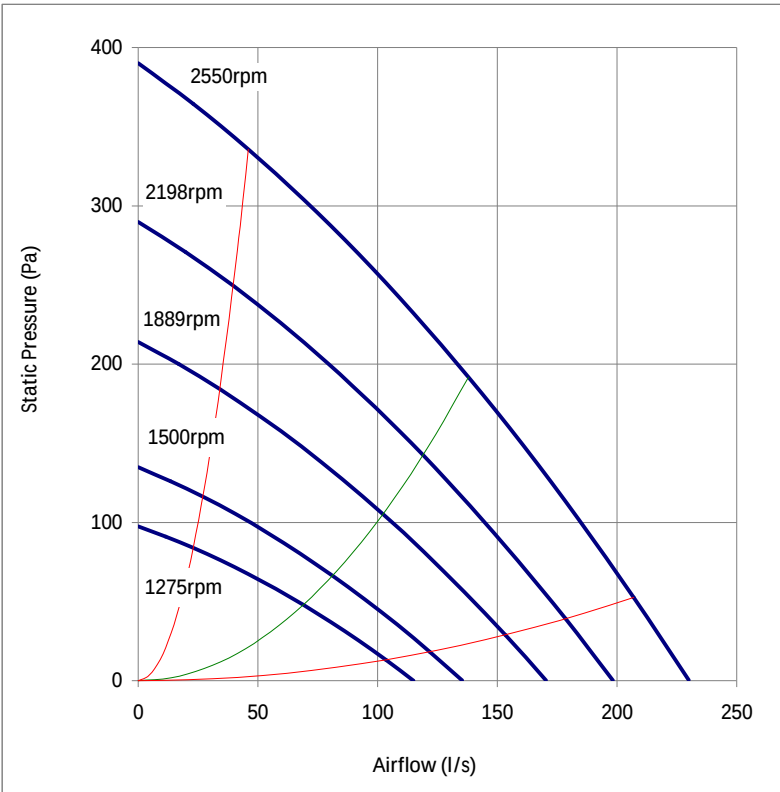
ILC4-200



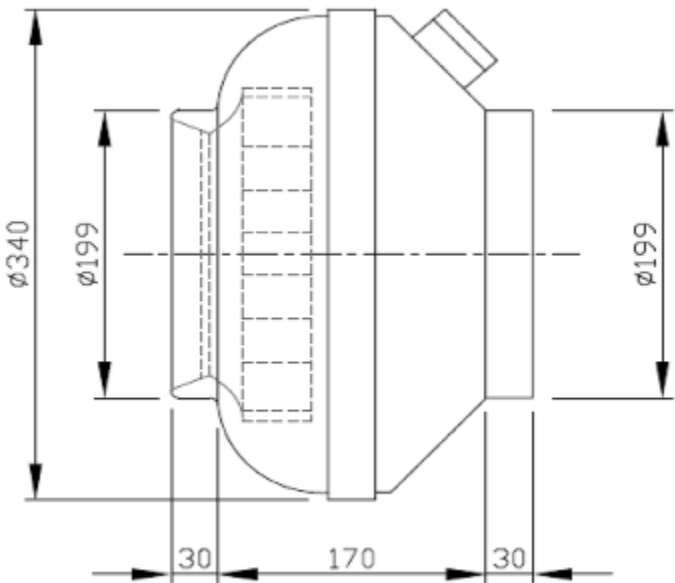
Impeller
Size 200 mm
Type Backward Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.12 Kw
Power Supply 230V/1PH/50Hz
Speed 2550
FLC 0.51
Capacitor 2.5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan
Case Steel
Weight 3 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2550	390	0.12	230	70	65	65	61	58	57	53	46	43
2198	290	0.08	200	67	62	62	58	55	54	50	43	40
1889	214	0.05	170	63	58	58	54	51	50	46	39	36
1500	135	0.02	130	58	53	53	49	46	45	41	34	31
1275	98	0.02	110	55	50	50	46	43	42	38	31	28



Inline Centrifugal Fan

ILC5-250



Impeller

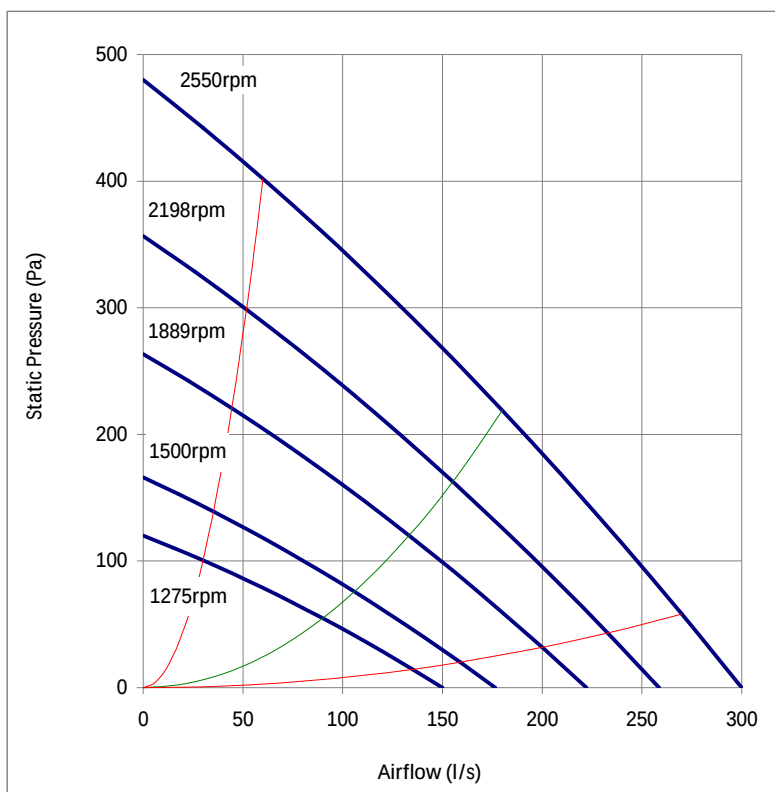
Size 250 mm
Type Backward Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

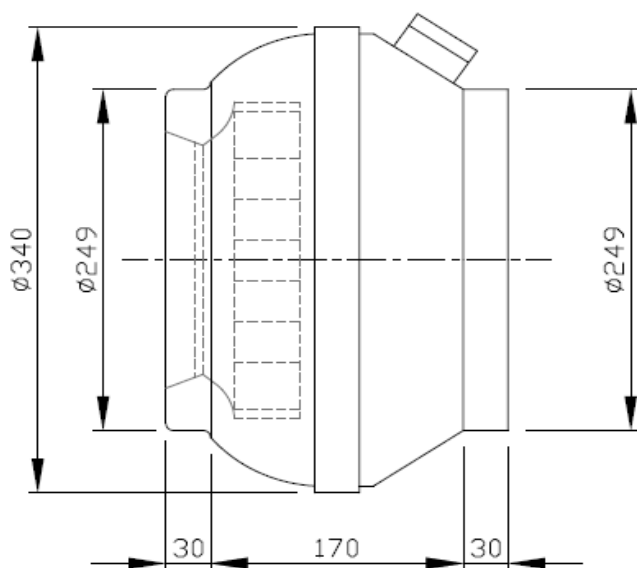
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.17 Kw
Power Supply 230V/1PH/50Hz
Speed 2550
FLC 0.75 mA
Capacitor 3 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Steel
Weight 3.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2550	480	0.17	230	77	69	69	63	62	61	57	49	46
2198	357	0.11	200	74	66	66	60	59	58	54	46	43
1889	263	0.07	170	70	62	62	56	55	54	50	42	39
1500	166	0.03	130	65	57	57	51	50	49	45	37	34
1275	120	0.02	110	62	54	54	48	47	46	42	34	31



Inline Centrifugal Fan

ILC6-315



Impeller

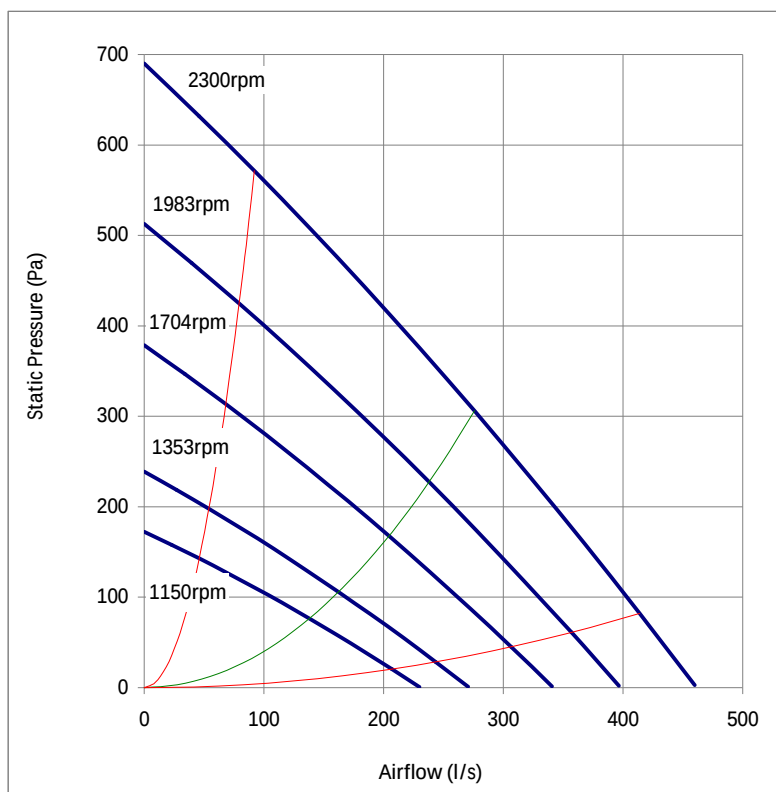
Size 315 mm
Type Backward Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

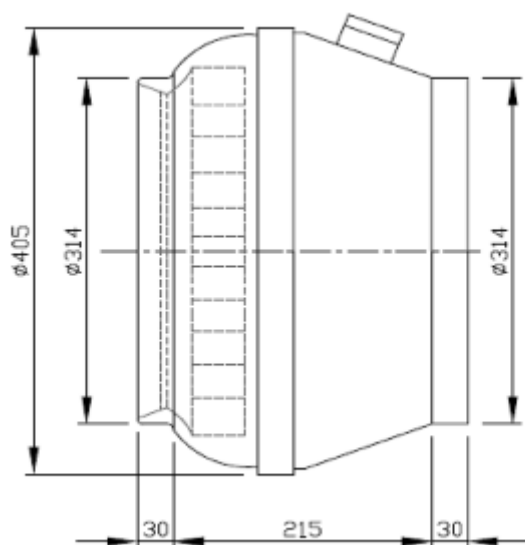
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.28 Kw
Power Supply 230V/1PH/50Hz
Speed 2300
FLC 1.20 A
Capacitor 4 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Steel
Weight 4 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2300	690	0.28	230	79	71	71	65	65	63	59	52	49
1983	513	0.18	200	76	68	68	62	62	60	56	49	46
1704	379	0.11	170	72	64	64	58	58	56	52	45	42
1353	239	0.06	130	67	59	59	53	53	51	47	40	37
1150	173	0.04	110	64	56	56	50	50	48	44	37	34



LINEO

- Vortice Inline Mixed Flow Fan
- With 2 speed Motor

SPECIFICATION

Sizes

125, 150, 200, 250, 315mm diameter

Fan Performance

Vortice inline mixed flow 2 speed fan have certified airflow, pressure and noise level. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall
Compact overall dimensions, ideal for installation in cramped area.

Motors

Asynchronous single phase motors. Motor enclosure to feature IPx4 protection. All models feature 2 speed operation. Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

Casing

Casing of the fans are of self-extinguishing VO plastic , with round spigot connection to suit either flexible duct or galvanised steel ductwork.

Test Procedures

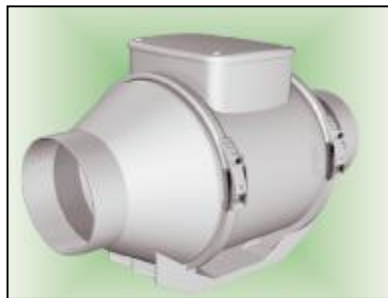
Performance Date – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3741



Vortice LINEO inline Mixed Flow fan

Inline Mixed Flow Fan



Impeller

Size 125 mm
Type Mixed Flow
Material Plastic
Motor finish Zinc Coat

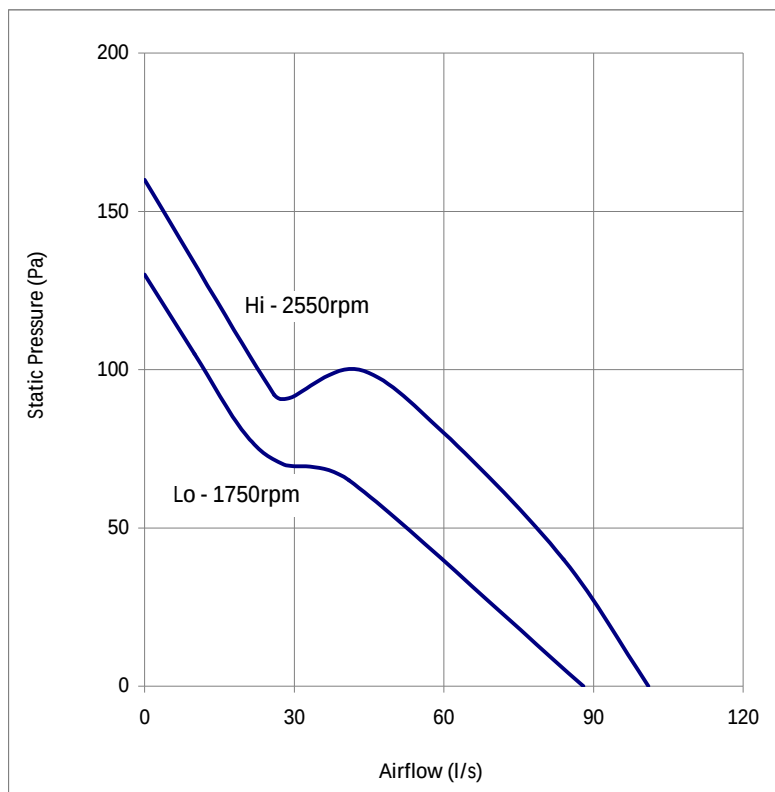
Motor

Type 2 Speed
IP Rating X4
Insulation Class II
Power 33 w
Power Supply 230V/1PH/50Hz
Speed 2550 RPM
FLC 0.15 A
Capacitor 2 μ F
Control
Protection Overload manual reset

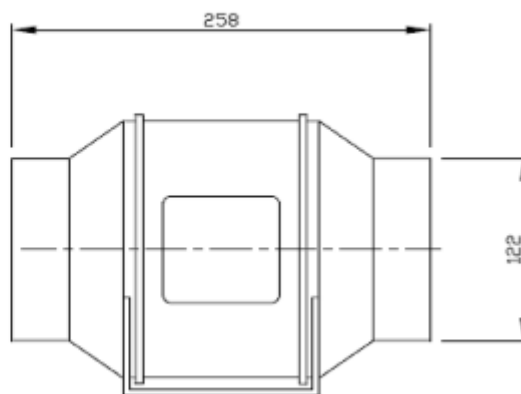
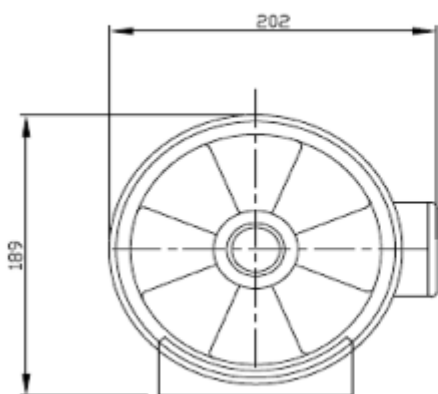
Fan

Case Self -extinguishing VO Plastic
Weight 1.5 Kg
Max. Temp 50 °C

LINEO125



Speed (rpm)	Peak Pressure (Pa)	Motor Power (w)	Motor Running Current (A)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2550	160	33	0.15	51	61	59	59	56	48	40		43
1750	130	25	0.11	42	52	50	50	47	39	31		34



Inline Mixed Flow Fan



Impeller

Size 150 mm
Type Mixed Flow
Material Plastic
Motor finish Zinc Coat

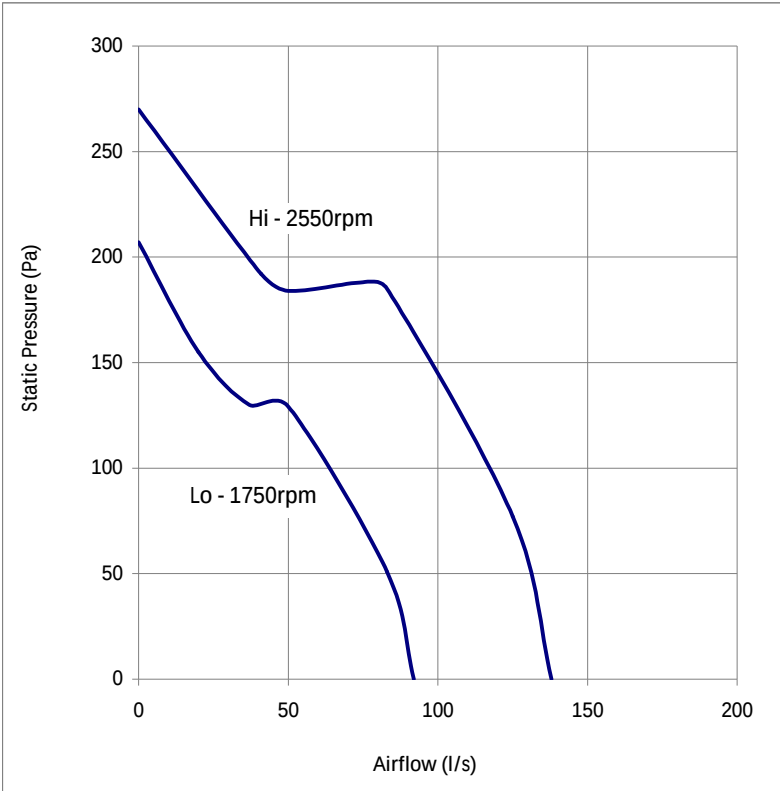
Motor

Type 2 Speed
IP Rating X4
Insulation Class II
Power 58 w
Power Supply 230V/1PH/50Hz
Speed 2550 RPM
FLC 0.26 A
Capacitor 2 µF
Control Overload manual reset

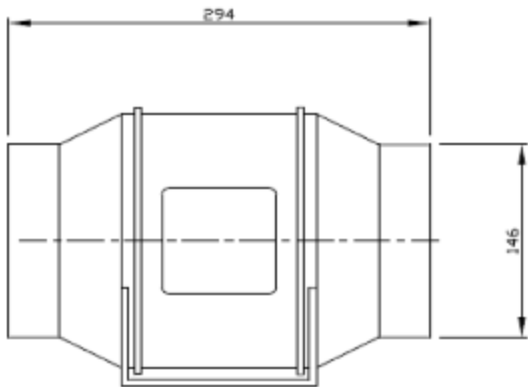
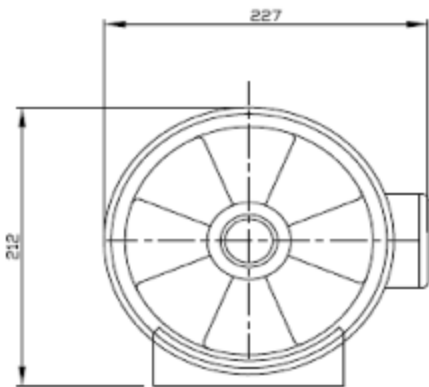
Fan

Case Self -extinguishing VO Plastic
Weight 2 Kg
Max. Temp 50 °C

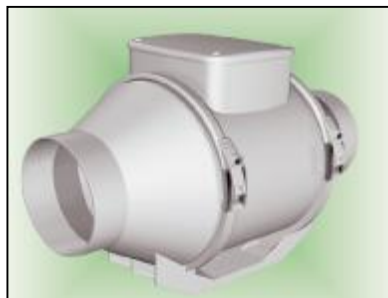
LINEO150



Speed (rpm)	Peak Pressure (Pa)	Motor Power (w)	Motor Running Current (A)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2550	270	58	0.26	61	68	68	64	67	56	46		50
1750	207	40	0.18	52	59	59	55	58	47	37		40



Inline Mixed Flow Fan



Impeller

Size 200 mm
Type Mixed Flow
Material Plastic
Motor finish Zinc Coat

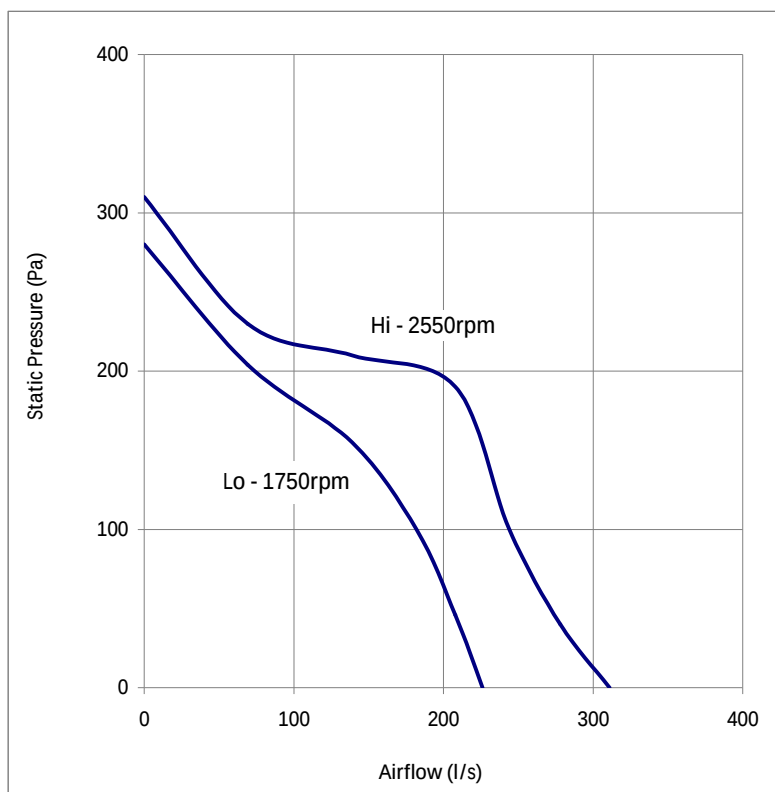
Motor

Type 2 Speed
IP Rating X4
Insulation Class II
Power 0.15 Kw
Power Supply 230V/1PH/50Hz
Speed 2550 RPM
FLC 0.64 A
Capacitor 2 μ F
Control Overload manual reset

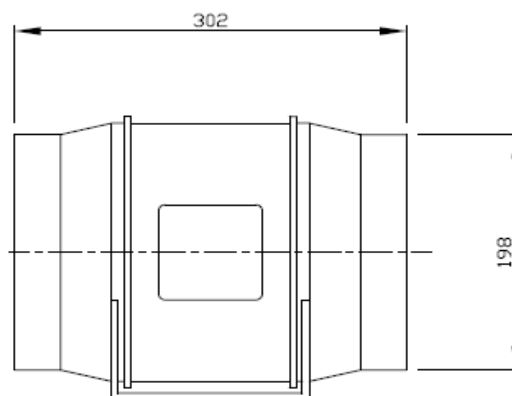
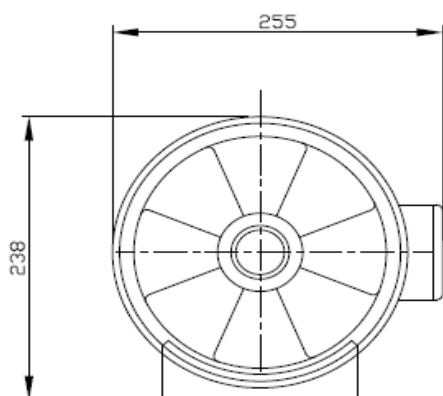
Fan

Case Self -extinguishing VO Plastic
Weight 2.5 Kg
Max. Temp 50 °C

LINEO200



Speed (rpm)	Peak Pressure (Pa)	Motor Power (w)	Motor Running Current (A)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2550	310	145	0.64	69	69	71	69	71	66	57		50
1750	280	98	0.43	60	60	62	60	62	57	48		43



Inline Mixed Flow Fan



Impeller

Size 250 mm
Type Mixed Flow
Material Plastic
Motor finish Zinc Coat

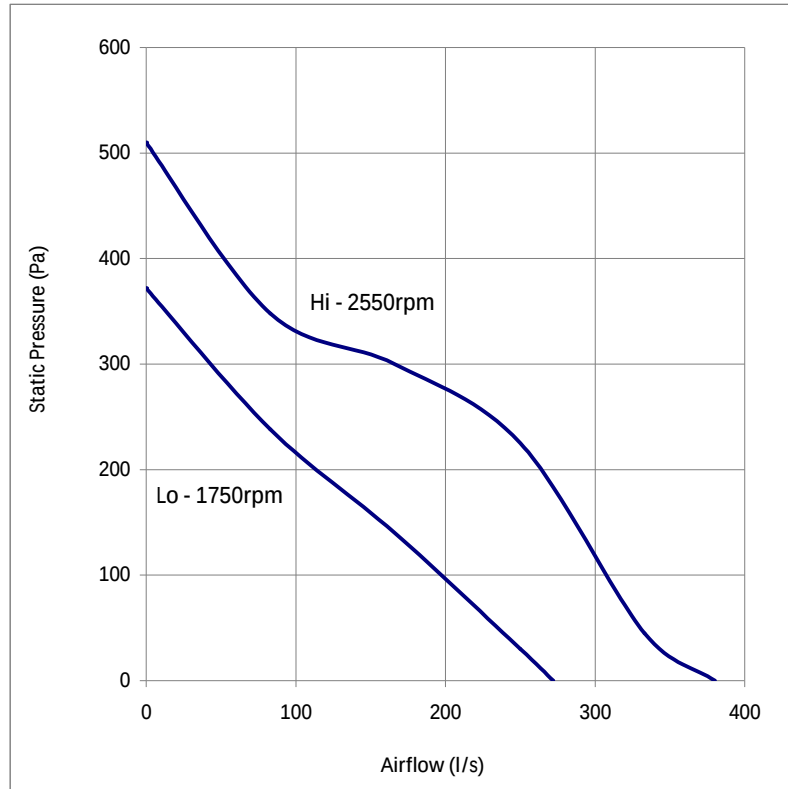
Motor

Type 2 Speed
IP Rating X4
Insulation Class II
Power 0.18 Kw
Power Supply 230V/1PH/50Hz
Speed 2550 RPM
FLC 0.78 A
Capacitor 2.5 μ F
Control Overload manual reset

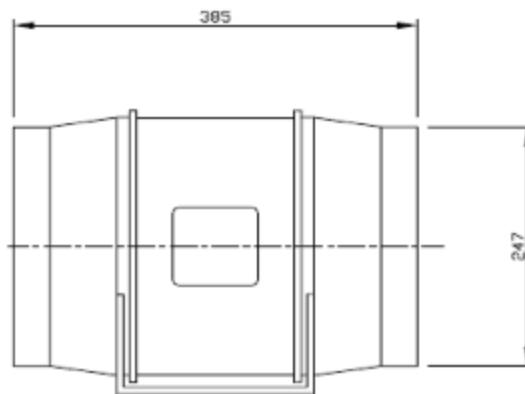
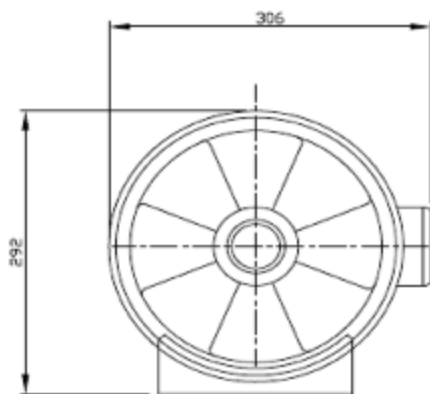
Fan

Case Self -extinguishing VO Plastic
Weight 4 Kg
Max. Temp 50 °C

LINEO250



Speed (rpm)	Peak Pressure (Pa)	Motor Power (w)	Motor Running Current (A)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2550	510	180	0.78	69	73	77	76	72	62	55		59
1750	372	110	0.48	58	62	66	65	61	52	44		51



Inline Mixed Flow Fan



Impeller

Size 300 mm
Type Mixed Flow
Material Plastic
Motor finish Zinc Coat

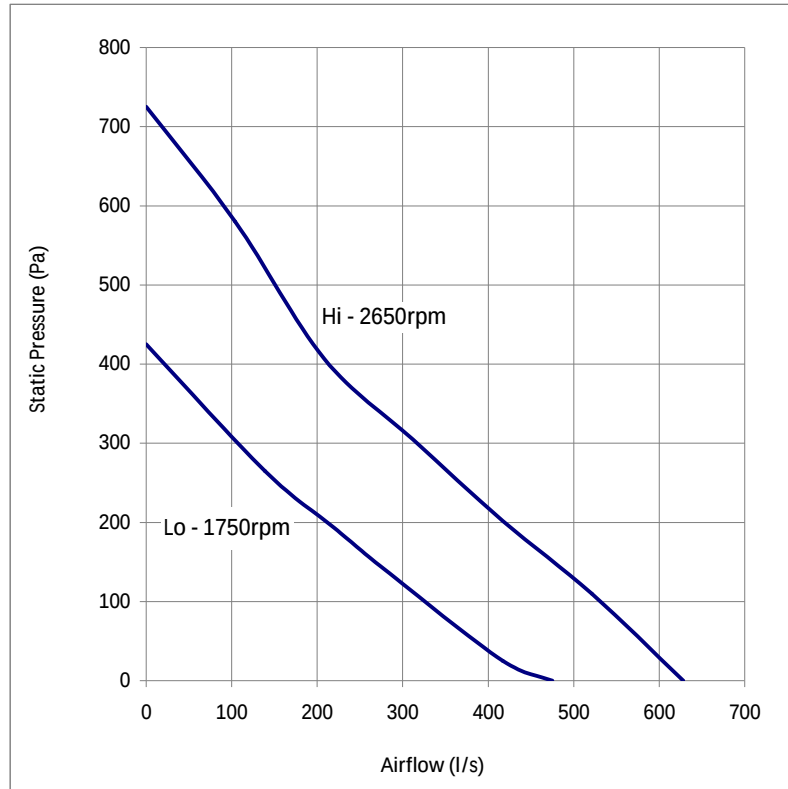
Motor

Type 2 Speed
IP Rating X4
Insulation Class II
Power 0.30 Kw
Power Supply 230V/1PH/50Hz
Speed 2650 RPM
FLC 1.32 A
Capacitor 3 μ F
Control Overload manual reset

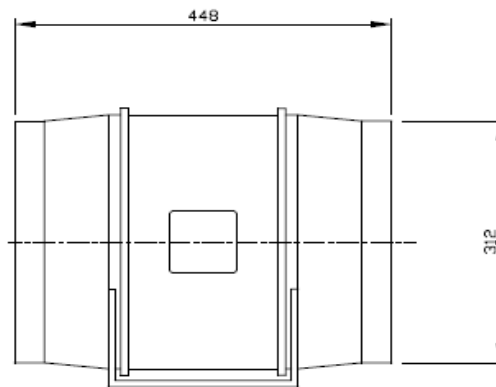
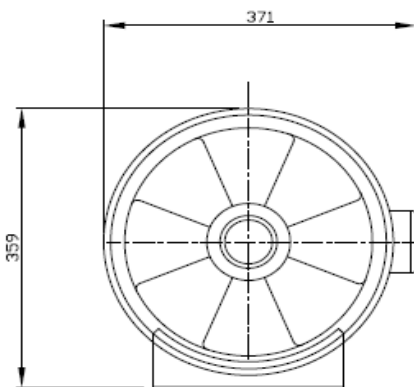
Fan

Case Self -extinguishing VO Plastic
Weight 5 Kg
Max. Temp 50 °C

LINEO315

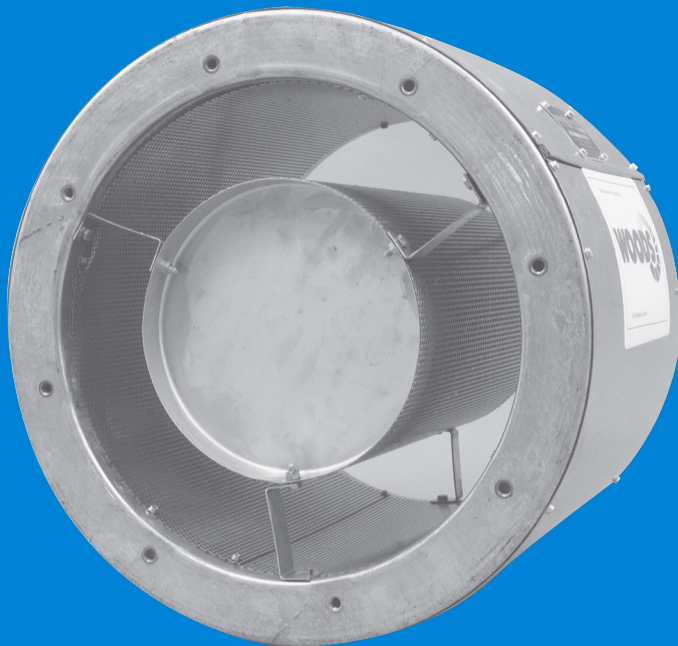


Speed (rpm)	Peak Pressure (Pa)	Motor Power (w)	Motor Running Current (A)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2650	725	300	1.32	73	78	79	81	76	67	59		63
1750	425	200	0.90	66	71	72	74	69	60	52		50



CYLINDRICAL

CYLINDRICAL For use with Axial Fans



CYLINDRICAL SILENCERS

Type B & C Silencers



Construction

Casings are of rolled, pre-galvanised sheet steel with spun end rings incorporating tapped inserts for fixing. Suitable fixing screws are provided with all steel silencers. The absorbent material is acoustic grade mineral fibre with an erosion resistant facing. It is protected and contained by a pre-galvanised perforated sheet formed to match the fan diameter.

Cylindrical silencers shall be suitable for air pressures up to a maximum of 1000 Pa. For duct pressures in excess of 1000 Pa. please enquire.

A Melinex Lining (variant code M) can be supplied for critically clean applications such as hospitals to ensure no fibre migration. The lining may also be used in moisture or grease laden conditions, such as kitchen extract systems where material is used in the ingress of grease etc. into the acoustic media. The use of the lining also allows the silencers to be low pressure steam cleaned. Some reduction of attenuation due to the lining will be experienced.

Performances

Are derived from tests to BS848. Measurements of fan noise are made with and without the silencer in position. The difference between the recorded levels is the dynamic (with airflow) attenuation or insertion loss of the silencer. Type B silencers may be directly coupled to both inlet and outlet flanges of the fan. When type C silencers are directly coupled to the fan flanges they are most effective on the outlet. A spacer duct of 1D length between the fan inlet flange and a type C silencer is necessary to ensure maximum performance. Note: C type silencers mounted close to a fan may affect the aerodynamic performance.

Size Range

Type B silencer bore diameters range from 280 mm to metric range, 6" to 75" imperial range in lengths equal to or twice the bore diameter (1D or 2D) 6" to 9.5" are available in 1.5D lengths only. Pressure loss for type B silencers is the same as a plain duct.

Type C silencers have a centrally mounted absorbent pod in the airway for increased attenuation. The pressure loss due to the pod is shown on the chart below.

The diameter range is 315 mm to 2000 mm metric range or 12" to 75" imperial range.

Fume Handling

Stainless Steel, PVC or Polypropylene construction is also available for corrosive atmospheres. Please send details of the application with the enquiry.

Marine Use

The construction of standard silencers has been satisfactory for below decks on ships and oil rigs and a specially strengthened design is available for other locations, please enquire.

Temperature Range

Standard silencers are suitable for temperatures from -40°C to +200°C.

When moisture resistant lining is used the continuous air handling temperature is limited to 80°C. Special treatments enable silencers to operate at temperatures up to 600°C. For smoke applications, please enquire.

Finishes

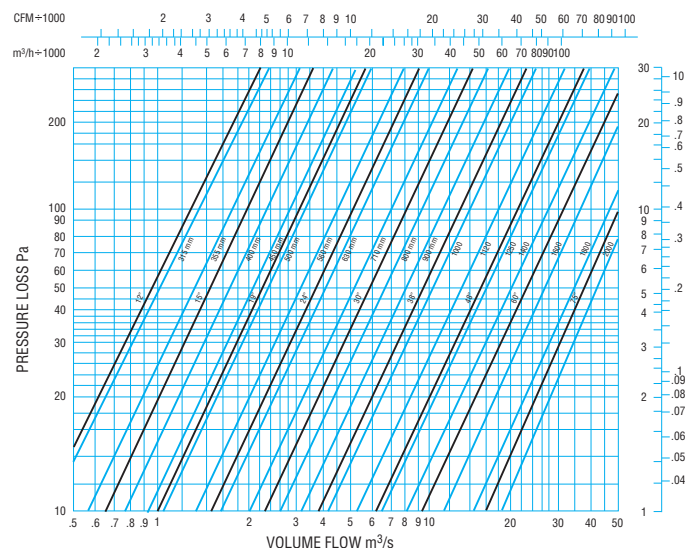
Standard finish is galvanised zinc coating to BS 2989 Z2. Other finishes including epoxy paint are available to special order.

Mounting

Galvanised steel mounting feet, anti-vibration mounts and matching flanges corresponding to those supplied for Aerofoil fans are available.



Resistance to Air Flow Type C Silencer



CYLINDRICAL SILENCERS

Type B & C Silencers

ACOUSTIC PERFORMANCE



Type B Dynamic Attenuation Imperial

Bore Dia. _{mm} (D)	Length	Octave-Band Mid Frequencies HZ							
		63	125	250	500	1K	2K	4K	8K
6	1.5D	0	0	1	6	12	9	10	7
7.5	1.5D	0	0	1	7	11	8	9	6
9.5	1.5D	0	0	2	7	11	7	7	6
12	1D	1	2	4	9	11	10	9	7
	2D	1	2	5	11	16	12	11	10
15	1D	2	3	5	10	13	11	9	8
	2D	3	4	7	14	18	15	11	12
19	1D	2	3	6	13	43	10	10	5
	2D	3	4	8	19	18	14	11	10
24	1D	3	5	7	15	13	8	9	8
	2D	4	6	9	19	19	14	13	12
30	1D	3	5	8	16	12	9	9	8
	2D	4	6	10	19	15	12	11	10
38	1D	4	5	11	16	11	10	8	9
	2D	4	6	13	19	13	12	11	11
48	1D	4	6	12	17	10	9	8	7
	2D	5	7	14	19	14	11	11	9
60	1D	5	7	13	16	10	8	7	6
	2D	6	8	15	18	12	10	9	7

Type B Dynamic Attenuation Imperial

Bore Dia. _{Ins} (D)	Length	Octave-Band Mid Frequencies HZ							
		63	125	250	500	1K	2K	4K	8K
12	1D	2	5	5	9	18	20	18	15
	2D	2	6	6	12	20	25	20	17
15	1D	2	6	6	10	19	24	20	17
	2D	3	7	8	14	29	29	23	18
19	1D	2	3	8	16	21	22	21	17
	2D	2	4	10	20	29	30	26	20
24	1D	3	5	8	16	19	14	16	12
	2D	5	6	10	19	29	25	21	20
30	1D	4	5	8	16	19	15	14	13
	2D	5	7	10	20	23	21	17	14
38	1D	5	5	11	18	19	14	14	14
	2D	5	6	13	26	24	20	18	16
48	1D	5	8	12	19	17	14	12	10
	2D	5	8	14	25	23	17	17	12
60	1D	5	8	13	17	16	13	11	8
	2D	6	10	17	21	20	17	14	9

Metric

Bore Dia. _{mm} (D)	Length	Octave-Band Mid Frequencies HZ							
		63	125	250	500	1K	2K	4K	8K
280	1D	1	1	2	8	11	8	8	7
	2D	1	2	4	10	13	10	10	9
315	1D	1	2	4	9	11	10	9	7
	2D	1	2	5	11	16	12	11	10
355	1D	1	2	4	10	12	10	9	7
	2D	2	3	6	13	17	14	11	11
400	1D	2	3	5	10	13	11	9	8
	2D	3	4	7	14	18	15	11	12
450	1D	2	3	6	12	13	11	10	6
	2D	3	4	8	17	18	15	11	11
500	1D	2	3	6	13	14	10	10	5
	2D	3	4	8	19	18	14	11	10
560	1D	2	4	7	14	14	9	10	7
	2D	3	5	9	19	18	14	12	11
630	1D	2	5	7	15	13	8	9	8
	2D	4	6	9	19	19	14	13	12
710	1D	3	5	8	16	12	9	9	8
	2D	4	6	9	19	17	13	12	11
800	1D	3	5	8	16	12	9	9	8
	2D	4	6	10	19	15	12	11	10
900	1D	3	5	10	17	13	11	10	8
	2D	4	6	12	19	15	12	11	10
1000	1D	4	5	11	16	11	10	8	9
	2D	4	6	13	19	14	12	11	11
1120	1D	4	5	11	17	11	9	8	8
	2D	4	6	13	19	14	12	11	8
1250	1D	4	6	12	17	10	9	8	7
	2D	4	6	14	19	14	11	11	9
1400	1D	4	6	12	16	10	8	7	6
	2D	4	7	14	18	13	10	10	8
1600	1D	4	7	12	16	10	8	7	6
	2D	4	8	15	18	12	10	9	7

Metric

Bore Dia. _{mm} (D)	Length	Octave-Band Mid Frequencies HZ							
		63	125	250	500	1K	2K	4K	8K
315	1D	2	5	5	9	18	20	18	15
	2D	2	6	6	12	20	25	20	17
355	1D	2	5	6	9	18	22	19	16
	2D	2	6	7	13	25	27	21	17
400	1D	2	6	6	10	19	24	20	17
	2D	3	7	8	14	29	29	23	18
450	1D	2	4	7	13	20	23	22	17
	2D	2	5	9	16	29	29	21	20
500	1D	2	3	8	16	21	22	21	17
	2D	2	4	10	20	29	30	20	26
560	1D	3	5	8	16	20	18	19	15
	2D	4	5	10	20	29	28	21	23
630	1D	3	5	8	15	19	16	14	12
	2D	5	6	10	19	29	25	21	20
710	1D	3	5	8	15	19	15	14	12
	2D	5	6	10	20	26	23	18	17
800	1D	4	5	5	16	19	15	14	13
	2D	5	7	11	22	23	21	16	14
900	1D	4	5	9	17	19	15	14	23
	2D	5	7	12	24	23	21	16	15
1000	1D	5	5	11	18	19	15	14	13
	2D	5	7	13	26	24	20	16	16
1120	1D	5	7	11	19	18	14	13	12
	2D	5	8	13	25	23	18	16	13
1250	1D	4	5	11	16	11	10	8	9
	2D	5	8	14	25	17	17	17	12
1400	1D	5	8	12	18	16	13	11	9
	2D	5	9	15	23	22	17	15	10
1600	1D	5	8	13	17	16	13	11	8
	2D	6	10	17	21	20	17	14	9

For sizes about 60" or 1600mm please enquire.
All performances are derived from tests to BS848.

For increased attenuation use splitter silencers. Attenuation figures shown are typical in-situ Dynamic Performances. For critical applications, particularly high performance fan systems please enquire.

CYLINDRICAL SILENCERS

Type B & C Silencers

DIMENSIONS AND WEIGHTS



IMPERIAL

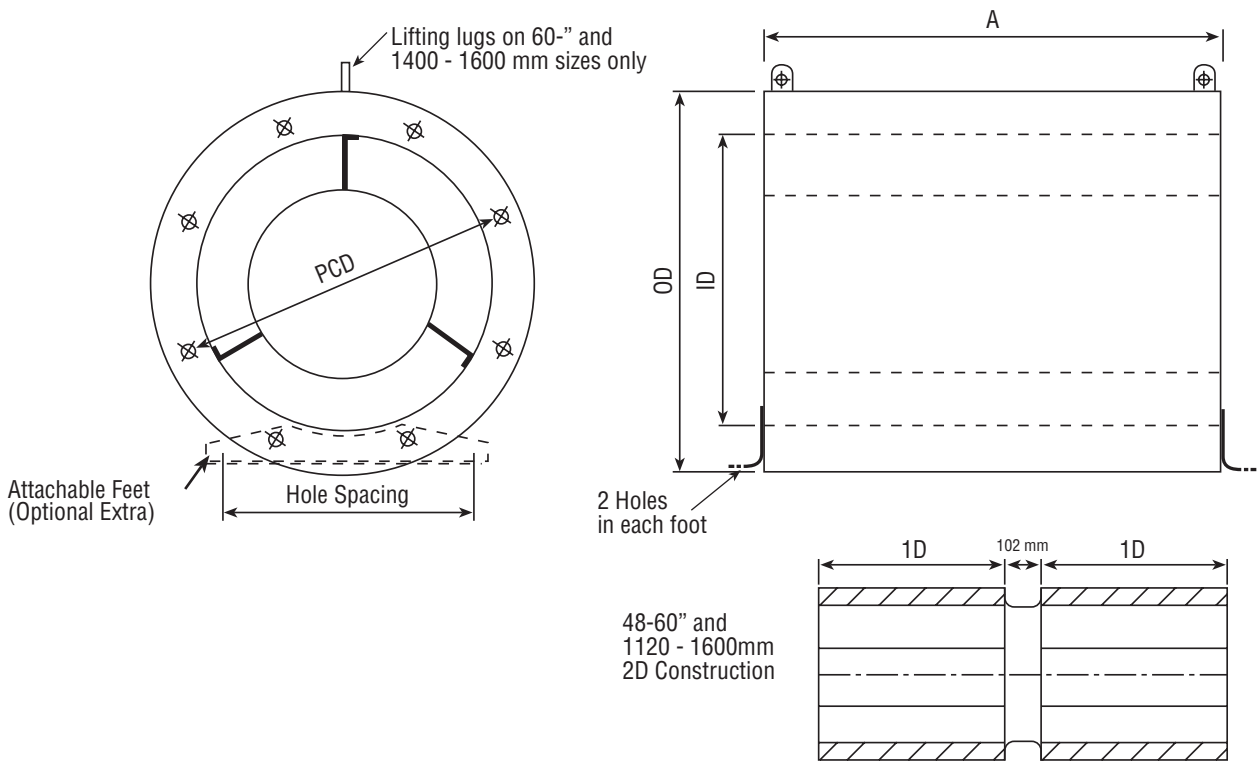
Ins		Imperial - Dimensions (mm)							Weight kg					
Size (D)	OD	No of Holes	PCD	Thread	Mounting Foot Holes		A Length		B		C			
					Dia	Spacing	1D	2D	1D	2D	1D	2D		
6	210	4	184	M6	7	130	229*		2.7*		-			
7.5	248	4	216	M6	7	152	286*		3.6*		-			
9.5	298	4	273	M8	9	194	362*		5.0*		-			
12	416	8	349	M8	11	273	305	610	10	16	12	18		
15	492	8	425	M10	11	343	381	762	13	22	16	26		
19	645	8	541	M12	11	438	483	965	24	39	28	46		
24	773	12	668	M12	11	559	610	1219	34	57	39	67		
30	926	12	821	M12	14	711	762	1524	51	87	60	102		
38	1181	16	1026	M16	14	914	965	1930	79	149	94	172		
48	1450	20	1289	M16	14	1143	1219	2540	114	239	133	278		
60	1749	24	1626	M16	14	1422	1524	3150	250	529	282	563		

METRIC

mm	Metric - Dimensions (mm)								Weight kg			
Size (D)	OD	No of Holes	PCD	Thread	Mounting Foot Holes		A Length		B		C	
					Dia	Spacing	1D	2D				
280	385	4	320	M8	10	230	280	560	9	14	-	-
315	415	8	355	M8	10	265	315	630	10	17	13	19
355	455	8	395	M8	10	305	355	710	12	20	15	24
400	500	8	450	M10	10	350	400	800	15	25	18	30
450	600	8	500	M10	10	400	450	900	20	33	24	39
500	650	12	560	M10	10	450	500	1000	25	41	29	48
560	710	12	620	M10	10	510	560	1120	30	50	35	58
630	780	12	690	M10	12	580	630	1260	35	61	42	72
710	860	16	770	M10	10	660	710	1420	44	76	53	90
800	1000	16	860	M10	12	750	800	1600	55	96	66	116
900	1100	16	970	M12	12	850	900	1800	70	129	84	150
1000	1200	16	1070	M12	12	950	1000	2000	82	157	100	182
1120	1320	20	1190	M12	16	1070	1020	2342	100	211	118	247
1250	1450	20	1320	M12	16	1150	1219	2540	127	266	147	306
1400	1600	20	1470	M12	16	1300	1400	2902	199	399	220	453
1600	1800	24	1680	M16	16	1500	1600	3302	311	637	362	739

Notes:

- 6" - 9.5" are 1.5D long
- For larger sizes please enquire



Packing Specification

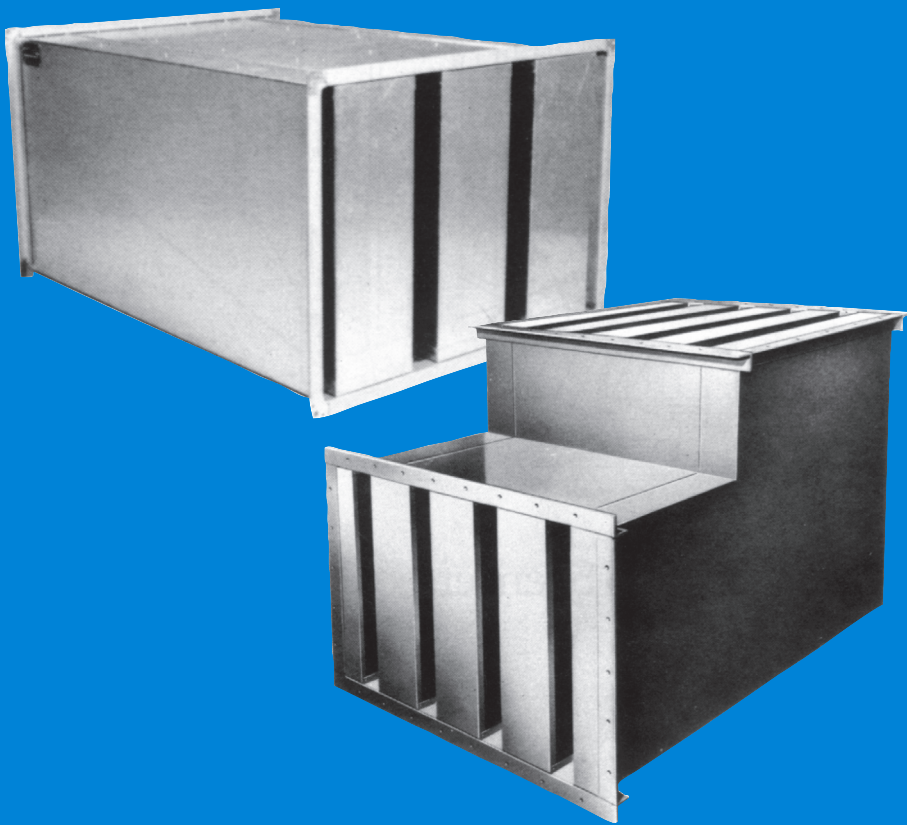
Protective boards screwed to ends.
Packed length is Silencer length plus 50mm.
Packed width and height $\frac{1}{2}$ Silencer O.D.

Alternative crated packing

(at extra cost)
Typically:
packed length is Silencer length plus 150mm.
Packed section is square.
Side dimension is Silencer O.D. plus 200mm.

SPLITTER

SPLITTER For use in Duct Systems

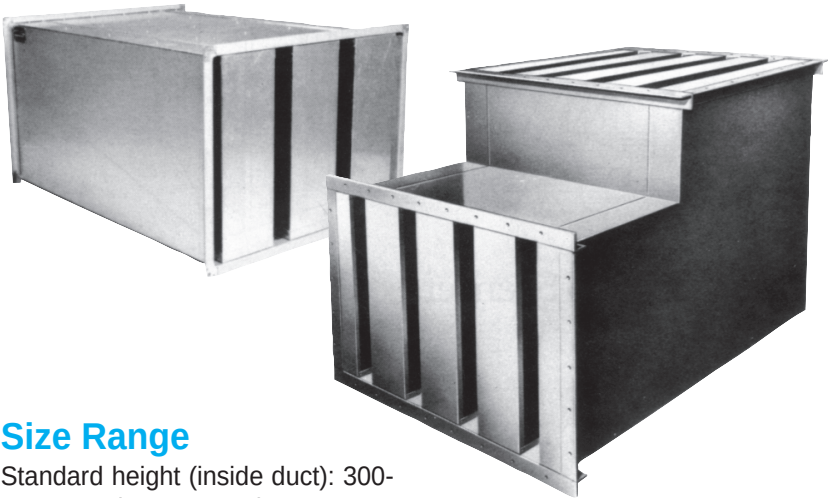


SPLITTER SILENCERS

Type WS-WSY-WBS



- Choice of drilled RSA or cleat type flanges
- Higher attenuation patented bend type
- Galvanised steel construction
- Mineral fibre splitter infill
- Erosion resistant to airflow
- Optional moisture resistant lining
- Low resistance to airflow
- Various material and finish available
- Fully tested high temperature models available
- Fully metric range



Casing

Lock formed pre-galvanised steel sheet. Flanges rolled steel angle hot dip galvanised for duct connection or, formed flanges of pre-galvanised steel strip for cleat fixing (Code WSY). Alternatively spigot ends can be provided, please enquire. All welded cases are available for duct pressures between 1000 and 3000 Pa (Variant code P).

Splitters

Frames are formed from pre-galvanised sheet steel. Absorbent material is resin bonded mineral fibre, in slab form with erosion resistant facing. A melinex lining (Variant Code M) can be supplied for critically clean applications, such as hospitals to ensure no fibre migration. The lining may also be used in moisture or grease laden conditions, such as kitchen extract systems where the material is used to stop the ingress of grease etc. into the acoustic media. The use of the lining also allows the silencer to be low pressure steam-cleaned. Some reduction in attenuation due to the lining will be experienced. Splitters are normally mounted vertically in casing. For horizontal splitters please enquire.

Performances

Data is derived from tests to BS4718 1971. Measurements of a noise source are made with and without the silencer in position. The difference between the recorded levels is the static (without airflow) attenuation or insertion loss of the silencer.

Size Range

Standard height (inside duct): 300-1500mm in 150mm increments. Standard lengths: 600-2400mm in 300mm increments. Larger silencers are supplied in sections to be fixed together on site. Silencers can be manufactured to suit any applications, please discuss with the acoustic department.

Fume Handling

For mildly corrosive atmosphere epoxy paint is available (Variant Code K). Where this finish is not sufficiently corrosion resistant many sizes can be supplied constructed in PVC or polypropylene. Please enquire giving details of the application.

Temperate Range

WS, WSY, WBS -40° to + 200°C
Melinex Lining (M) -40° to + 80°C
High Temperature (T) -40° to + 200°C
PVC -40° max.
Polypropylene -60°

Low Pressure Loss

Inlet and outlet fairings (Variant Code L) fitted to the splitters reduce pressure losses by 25%. The silencer Casing is increased by 300mm to accommodate the fairings.

90° Bend Type Silencers

Type WBS is a modified splitter silencer with integral air turning vanes to keep pressure loss to a minimum. Additional attenuation can be obtained (see table B) together with compactness in plant room layout.

Standard widths (inside duct)					
Airway Width mm	No Modules				
	1	2	3	4	5
50	250	500	750	1000	1250
75	275	550	825	1100	1375
100	300	600	900	1200	1500
150	350	700	1050	1400	1750

SPLITTER SILENCERS

Selection to Type WS-WSY Silencers



Step No.

- 1) Calculate attenuation required preferably using the method detailed in Fläktwoods electronic selection programme 'Design for Sound'.
- 2) Use Table A to select the airway width and a length of silencer.
- 3) Select width, and pressure loss chart Nos 1-4.
- 4) Check that a silencer airway velocity is low enough for required NC level.

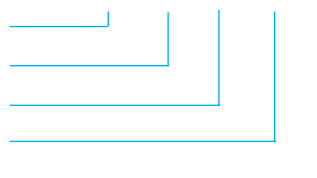
Example 1.

■ Air volume flow rate =1.4m³/s	63	125	250	500	1K	2K	4K	8K
■ Required attenuation from calculation: Select from table A-WS/100-1500	6	14	26	42	48	46	40	28
■ The fan has 100 Pa static pressure available for silencer pressure loss.	8	15	26	43	53	53	45	32
■ The NC Level required is NC35 which from Table C limits the silencer airway velocity to 13ms.								
■ From standard widths and heights a suitable WS/100 silencer would be 600 mm wide x 600mm high.								
■ Pressure loss from chart 3 = 65Pa	= $\frac{\text{Volume Flow (m³/s)}}{\text{No of A/W} \times \text{AW width} \times \text{Height (metres)}}$							
■ Silencer airway velocity	= $\frac{1.42 \text{ (m3/S)}}{2 \times .1\text{m} \times 0.6\text{m}}$							
	= 11.83 m/s							

Type
Airway width
Silencer Length
Width
Height

- Silencer coding would be:-

WS 100-1500-600-600



For Bend Silencer selections please refer to Fläktwoods Acoustic Department

SPLITTER SILENCERS

Coding: WS/WSE Silencers



Code	
WS	Drilled Flanges (with Side Liners)
WSY	Cleat Flanges (with Side Liners)
M	Moisture Resistant Lining
L	Low Pressure Loss
P	High System Pressure
K	Fume Resistant
C	Perforated Linings
CC	Stainless Perforated Linings

Variant

Example

Type	WSY	LM/75-X-X-X
Width mm		
Silencer Length mm		
Width mm		
Height mm		

Coding: Type WBS Silencers

CODE WBS (HorV)
Plus Variants
as for Type WS

H or V Bend in Horizontal or Vertical Plane

Example

Type	WBS (H) Or (V)	M/75-X-X-X-X
Width mm		
Air Entry leg Dimension L_1 mm		
Air exit leg Dimension L_2 mm		
Silencer Width mm		
Height mm		

Type WBSH

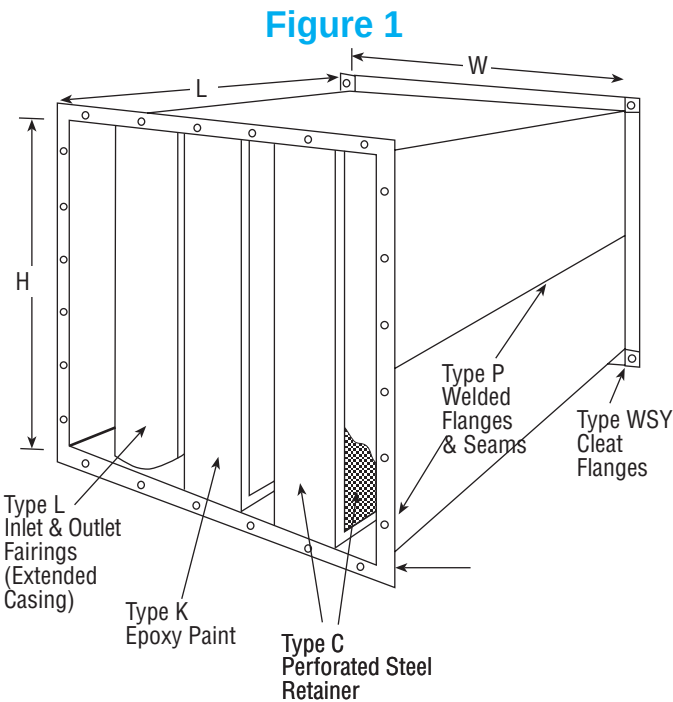
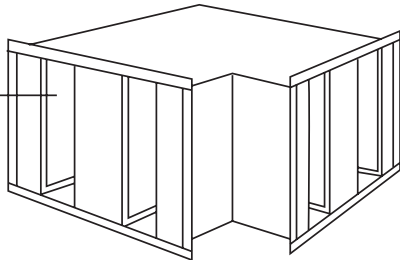
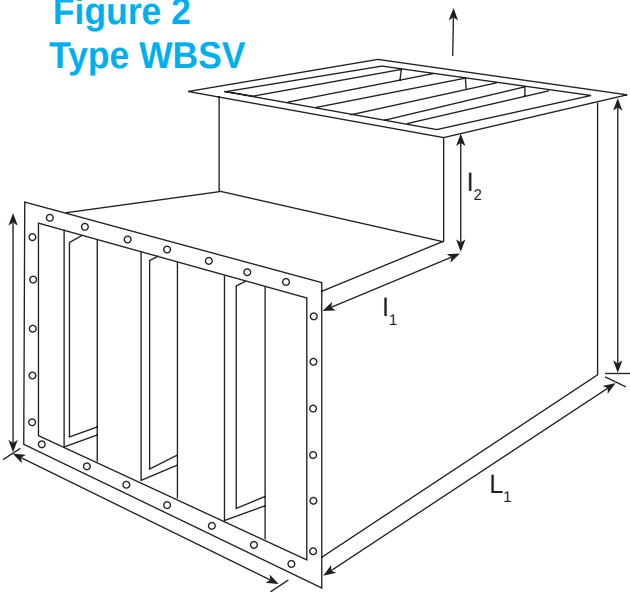


Figure 2
Type WBSV



$L_1 + L_2$ Minimum Dimension 100mm
(300mm fairings Type WBSHL)

SPLITTER SILENCERS

PERFORMANCE



Type WS /WSY

Intermediate airway widths can be provided to suit individual requirements.

Please enquire.

Care should be taken in use of 50mm Airway Silencer. Perforated Linings are required on airways of 75mm or less.

Please enquire.

The following velocities should not be exceeded for the ventilation space noise levels tabulated, in order to avoid possible regeneration in the silencer.

Airway Velocity=

Volume Flow Rate M3/S

Number of Airways X Airway Width X Height
(metres)

Table C

Velocity m/s	NC/NR Level
15	45-50
13	35-40
10	30

Type WBS

The Value of additional attenuation due to the mitred bend should be deducted from the attenuation required.

To obtain the attenuation, dimensions L1+12 must be equal or greater than 2.5 x height for Type Wbsv or 2.5 width for Type WBSH.

Table A

Airways mm	Length mm	Octave Band Mid Frequencies							
		Frequency HZ							
		63	125	250	500	1K	2K	4K	8K
50	600	6	12	22	31	15	40	40	30
	900	8	16	27	45	25	55	55	50
	1200	10	20	36	55	33	55	55	55
	1500	13	24	42	55	41	55	55	55
	1800	15	30	51	55	49	55	55	55
	2100	17	34	55	55	55	55	55	55
	2400	19	38	55	55	55	55	55	55
75	600	5	8	11	12	24	32	24	20
	900	6	11	19	20	34	45	39	28
	1200	7	14	26	26	46	55	52	38
	1500	9	17	30	33	48	55	55	42
	1800	10	20	34	39	50	55	55	46
	2100	12	23	40	45	55	55	55	55
	2400	13	24	45	52	55	55	55	55
100	600	4	7	11	12	21	29	21	20
	900	5	9	16	20	30	39	31	26
	1200	6	12	23	26	40	51	41	29
	1500	8	15	26	33	43	53	45	32
	1800	9	17	30	39	47	55	49	36
	2100	11	20	35	45	55	55	55	43
	2400	12	23	40	52	55	55	55	47
150	600	2	5	8	12	15	15	11	7
	900	3	6	11	20	25	25	15	8
	1200	4	7	15	26	33	33	19	11
	1500	5	9	18	33	41	41	24	13
	1800	6	11	22	39	49	49	29	16
	2100	7	13	26	45	55	55	34	19
	2400	8	15	30	52	55	55	39	21

Table B

Silencer Height for WBSV or width for WBSH	Additional Attenuation in Octave Bands Hz							
	63	125	250	500	1K	2K	4K	8K
300	0	0	2	8	6	3	3	3
450	0	1	5	7	4	3	3	3
600	0	2	8	6	0	3	3	3
750	0	3	8	5	0	3	3	3
900	0	5	7	4	0	3	3	3
1050	0	7	7	4	0	3	3	3
1200	1	8	6	4	0	3	3	3
1350	2	8	6	3	0	3	3	3
1500	3	8	5	3	0	3	3	3

SPLITTER SILENCERS

DIMENSIONS AND WEIGHTS



Type WS/WSE/150mm Airway

Number of Modules	Height B mm	Approx. Weight in Kg for length below			
		900 mm	1200 mm	1500 mm	1800 mm
1	300	26	32	39	44
	450	32	39	48	55
	600	37	46	56	64
2	300	44	54	65	75
	450	51	62	79	91
	600	58	73	90	103
	750	70	86	106	120
	900	78	96	118	133
	1050	92	113	138	154
3	450	76	91	117	133
	600	85	106	131	149
	750	102	125	153	172
	900	112	137	168	189
	1050	121	149	184	207
	1200	130	161	199	223
	1350	156	184	222	253
	1500	170	205	243	282
4	600	106	133	166	189
	750	128	157	193	218
	900	140	171	212	239
	1050	150	185	230	260
	1200	160	199	249	280
	1350	192	235	294	331
	1500	203	247	313	353
5	900	168	206	255	288
	1050	179	223	277	312
	1200	191	239	298	336
	1350	230	281	353	399
	1500	242	296	375	423

All dimensions in millimetres

Note: A and B are internal casing dimensions.

Dimension 'A' = (Airway width + 200) x No. of modules

Flange widths 'E' are as follows:

Longest side up to 900mm - flange width E = 40mm.

Longest side above 900mm - flange width E = 50mm.

Dimension 'J'

= Dim. 'B' = 50mm when dim. 'E' = 40mm

= Dim. 'B' = 60mm when dim. 'E' = 50mm

Dimension 'K'

= Dim. 'A' = 50mm when dim. 'E' = 40mm

= Dim. 'B' = 50mm when dim. 'E' = 50mm

Fixing hole pitches 'F' are in all cases 150mm, clearance holes

for M10 screws. N must not be less than 50mm.

Due to a policy of continuous development and improvement the right is reserved to supply products which may differ from those illustrated and described in this publication. Certified dimensions will be supplied on request on receipt of order.

$$\text{Number of Modules} = \frac{\text{width}}{\text{airway size} + 200\text{mm}}$$

Example: WS/100-900-600-600

$$\text{Number of Modules} = \frac{600}{100 + 200} = 2 \text{ Modules}$$

Other Acoustic Products

Type WSO (splitters only can be tailor made to fit into builders work ducts and shafts.)

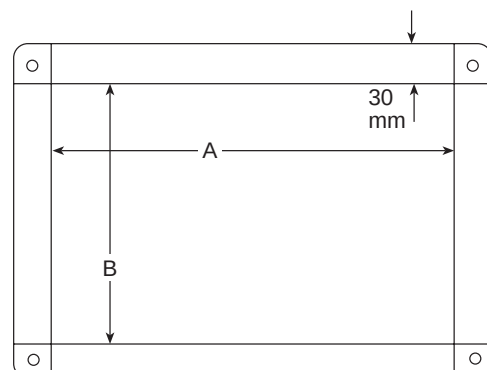
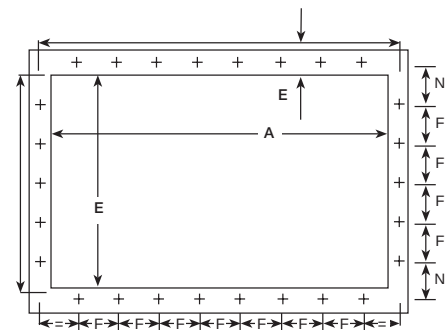
Roof unit silencers (Acoustic curbs)

Acoustic Louvres.

Acoustic Jackets for fans.

Type WS and WBS silencers

Type WSY Silencer Cleat Flange



SPLITTER SILENCERS

RESISTANCE TO AIR FLOW



To aid selection, the charts 1-4 show the maximum pressure drop allowable to maintain the NC/NR levels required.

Chart 1 - Resistance to Air Flow Type WS/50

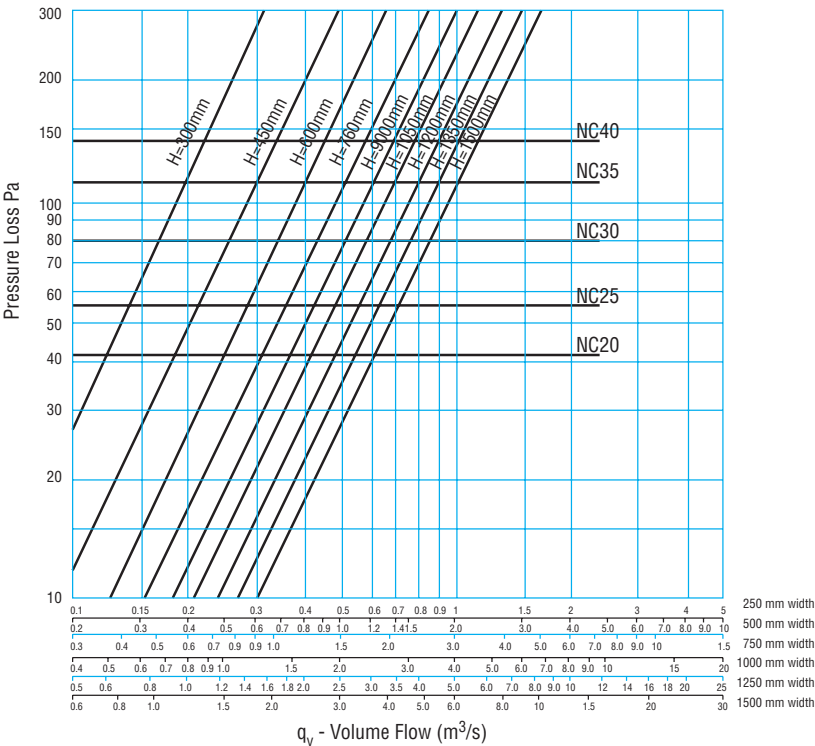
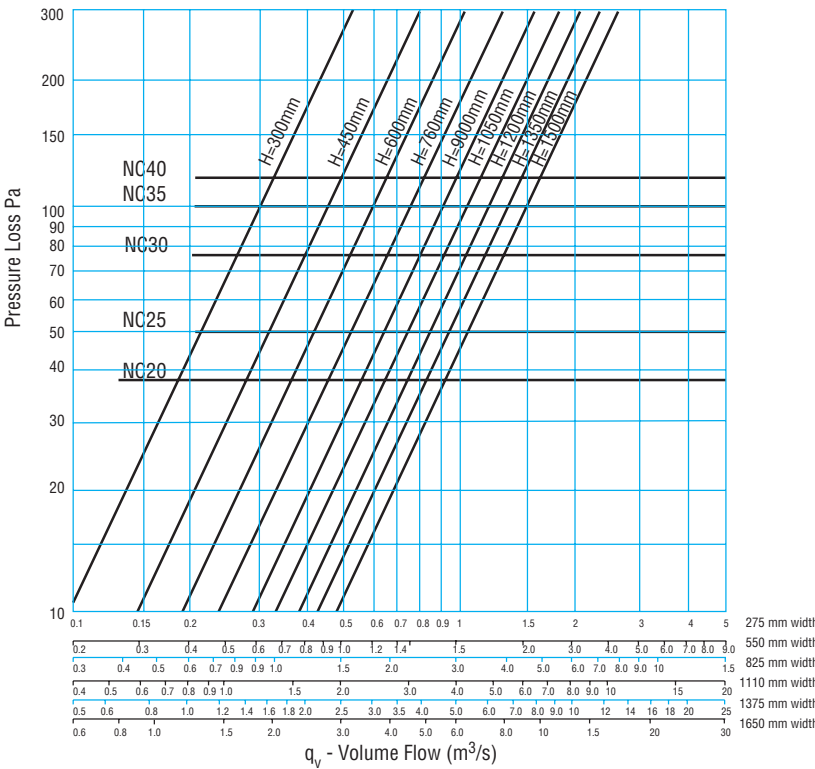


Chart 2 - Resistance to Air Flow Type WS/75



Note: Type WBS pressure loss is 30% higher.
Type variant L pressure loss is 25% lower.

SPLITTER SILENCERS

RESISTANCE TO AIR FLOW



Chart 3 - Resistance to Air Flow Type WS/100

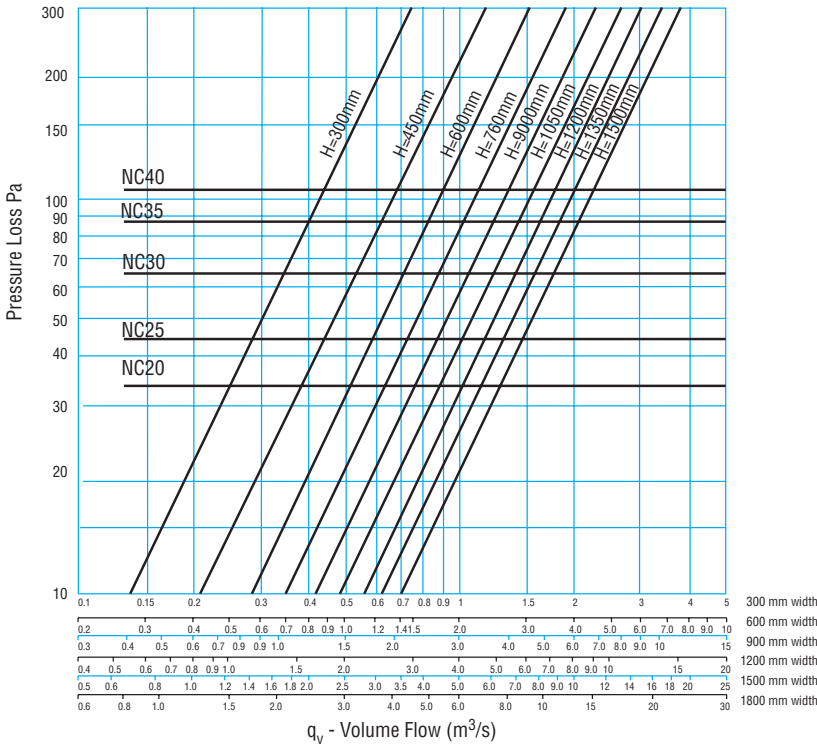
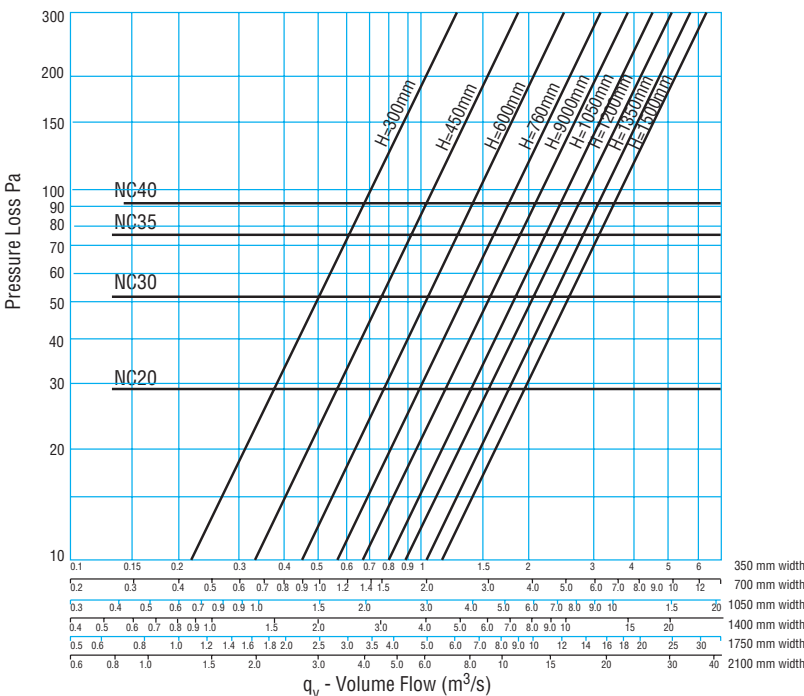


Chart 4 - Resistance to Air Flow Type WS/150



Note: Type WBS pressure loss is 30% higher.
Type variant L pressure loss is 25% lower.

WAC

WAC For use with Roof Fans



WAC ACOUSTIC CURBS

SPECIFICATION



Construction

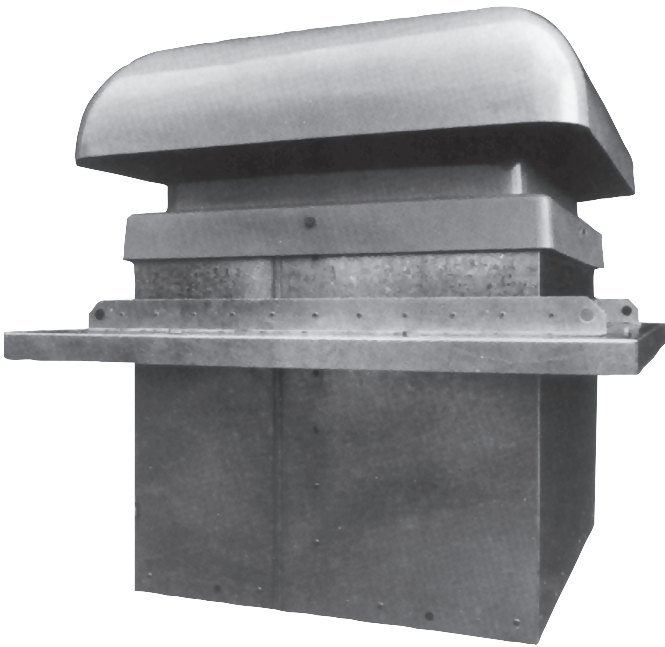
The curb consists of square section casing fabricated from pre-galvanised steel sheet, containing a vertical assembly of acoustic splitters and liners.

The splitters have pre-galvanised steel frames and the absorbent material is resin bonded mineral fibre with an erosion resistant facing.

An impervious moisture assessments lining is available for moist air applications. The use of the lining also allows the curb to be low pressure steam cleaned. Some reduction in attenuation due to the lining will be experienced.

The skirts and flanges are also produced from galvanised sheet steel.

Lifting Lugs are provided on all sizes.



Mounting

The curb may be mounted on the builders' roof curb, purlin box surrounding the roof opening in one of two ways.

Electrical connections to the roof unit fan motor terminal box may be taken from a junction box installed adjacent to the sound attenuating curb via a flexible conduit led up through one of the curb airways.

Recessed Mounting

For this method a skirt is attached to the outside of the casing for mounting the unit within the roof opening. The position of the skirt can be factory set, to offer a range of the sound attenuating curb above or below the roof opening.

Order Details

When ordering a sound attenuating curb state the WAC size and whether to be Recessed Mounting or Base Mounting. If for recessed Mounting state dimensions F - necessary for the setting of the mounting height. See drawing opposite. When no dimension is given the maximum dimension F is supplied.

When required for use with roof units employing flameproof motors, please specify as "WACF" plus the size. The use of flameproof motors necessitates the rearrangement of the splitters with some loss of attenuation.

Base mounting

The unit is positioned on top of the builders' roof curb with the unit covering the timber.

Coachscrews and sealing washers are provided with both forms of mounting, for assembly to the builders' curb. Customers should provide flashing where wooden curbs are exposed.

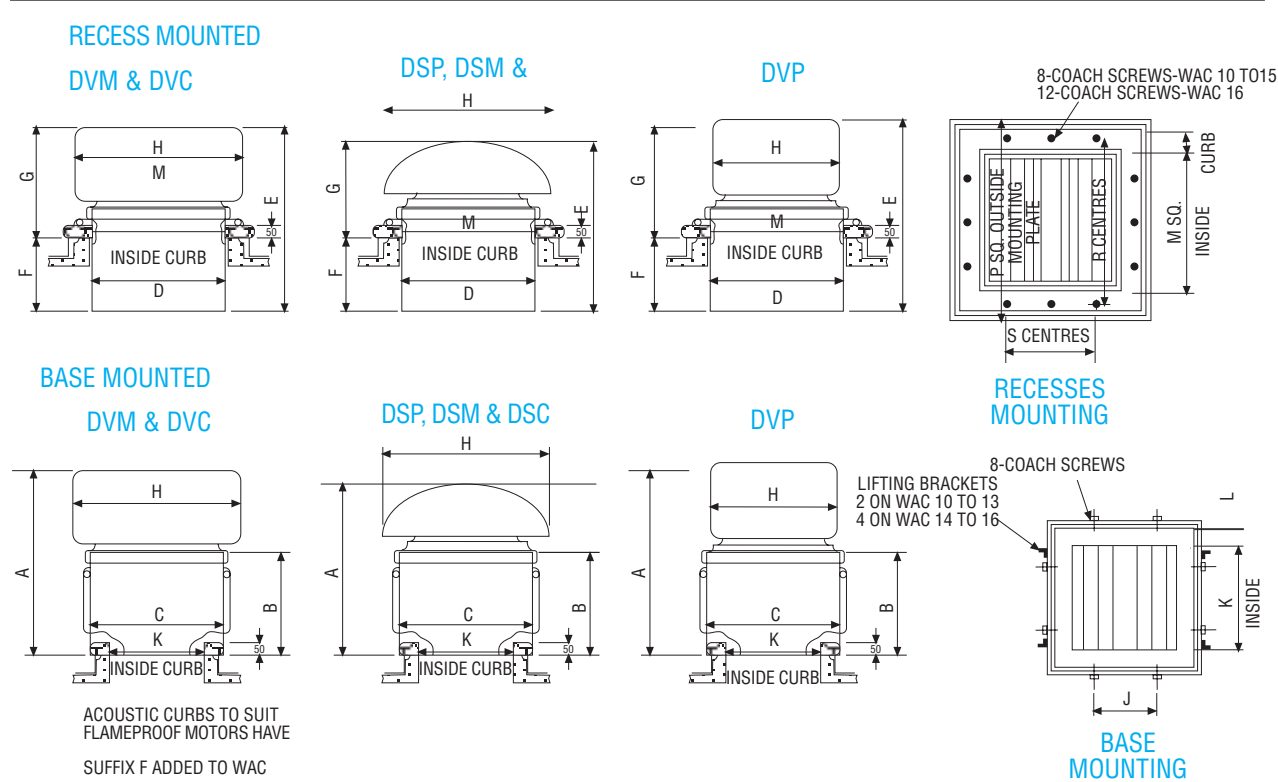
Electrical connection

Attenuation

Size	Attenuation dB Octave band mid-frequency Hz							
	63	125	250	500	1K	2K	4K	8K
WAC 10-12	4	7	12	16	21	22	20	13
WAC 13-16	5	9	12	18	23	21	17	14

WAC ACOUSTIC CURBS

DIMENSIONS AND WEIGHTS



	WAC 10	WAC 11				WAC 12			WAC 13			WAC 14			WAC 15			WAC 16		
DIM	DSP 250 DSM 200 DSC 200	DSP 315/355 DSM 250 DSC 250	DVM 250 DVC 250	DVP355	DSP 400 DSM 330 DSC 330	DVM 330 DVC 330	DVP400	DSP 450/500 DSM 400 DSC 400	DVM 400 DVC 400	DVP 450/500	DSP 630 DSM 500 DSC 500	DVM 500 DVC 500	DVP 630	DSP 710/800 DSM 630 DSC 630	DVM 630 DVC 630	DVP 710/800	DSP 1000 DSM 760 DSC 760	DVM 760 DVC 760	DVP 1000	
A	708	813	875	918	888	953	993	943	1023	1073	1053	1143	1208	1228	1348	1428	1478	1558	1648	
B	500	575			605			615			650			750			840			
C	420	495			570			670			870			1020			1220			
D	420	495			570			670			870			1020			1220			
E	708	813	875	918	888	953	993	943	1023	1073	1053	1143	1208	1228	1348	1428	1478	1558	1648	
F	MAX	330	404			435			446			480			580			670		
	MIN	50	55			85			96			60			90			110		
G	MAX	658	758	820	863	803	868	908	847	927	977	993	1083	1148	1138	1258	1338	1368	1448	1538
	MIN	378	408	470	513	453	518	558	497	577	627	573	663	728	648	768	848	808	888	978
H	480	600	600	470	710	710	530	820	820	630	1030	1030	780	1300	1260	950	1700	1560	1180	
J	150	200			250			350			550			650			850			
K	250	325			400			500			700			800			1000			
L	75	75			75			75			75			100			100			
M	500	600			600			700			900			1200			1500			
N	75	75			75			75			100			100			100			
P	684	784			784			884			1140			1440			1740			
R	575	675			675			775			1000			1300			1600			
S	260	320			320			360			450			800			980			
Weights	18kg	25kg			31kg			37kg			55kg			74kg			109kg			
curb Weights recess	25kg	33kg			38kg			37kg			70kg			100kg			147kg			

All dimensions in millimetres

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AXC

AXC For use with Axcent Fans

AXC

SILENCER SPECIFICATION



Casing

Casings are of pre-galvanised sheet steel either formed and drilled flanges or proprietary flanges with corner clamp fixing.

Splitters

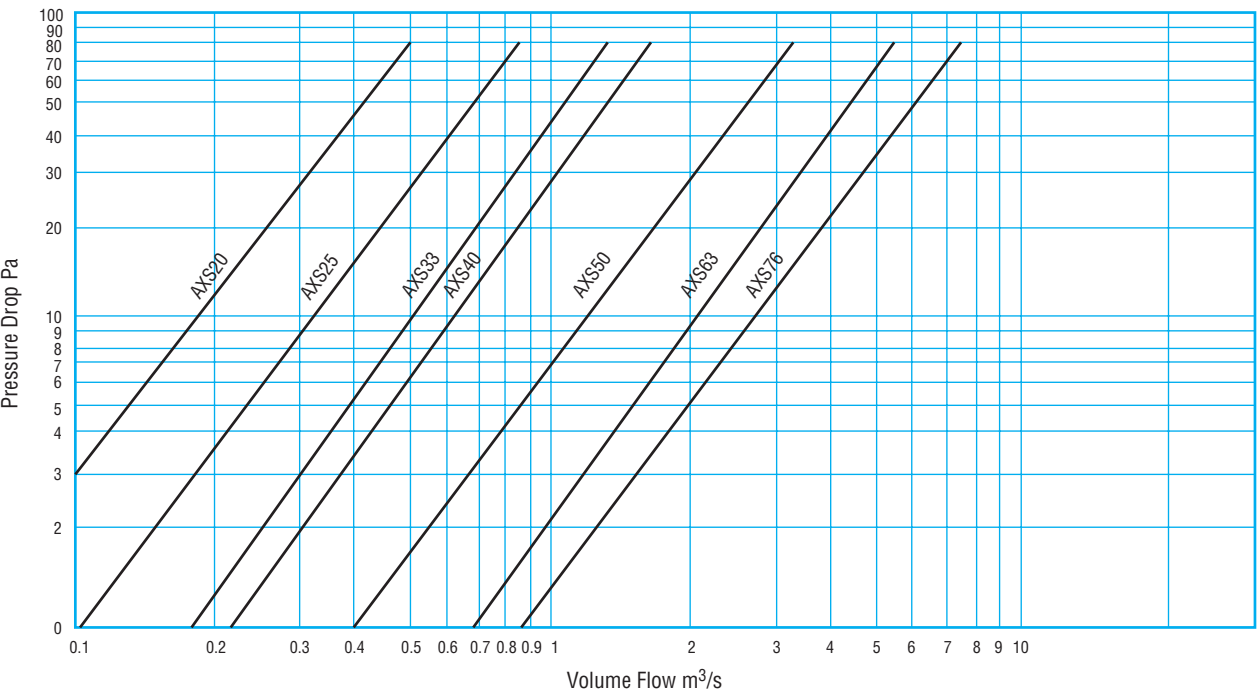
Frames are formed from pre-galvanised sheet steel with sound absorbent resin slab in-fill and erosion resistant facing. An impervious moisture resistant lining is available for moist air or critically clean applications. The use of the lining allows the silencer to be low pressure steam cleaned. Splitters are normally vertically mounted

Performance

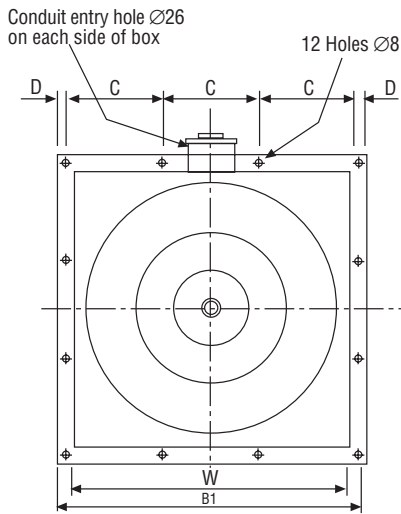
Data is derived from tests to BS4718-1971 with measurements of the noise source being taken with and without the silencer in position. The difference between the recorded levels is the static (without airflow) attenuation or insertion loss of silencer.

Fan Size	Silencer Code	Silencer Insertion Loss							
		63	125	250	500	1K	2K	4K	8K
200	AXS20/90	3	5	7	17	23	23	16	12
200	AXS20/120	4	7	13	25	32	32	23	15
250	AXS25/90	1	2	4	19	33	35	19	11
250	AXS25/120	1	3	5	26	42	38	25	19
330	AXS33/90	1	1	3	15	24	23	14	10
330	AXS33/120	1	1	5	22	35	31	20	16
400	AXS40/90	1	2	4	16	23	23	13	10
400	AXS40/120	2	3	7	23	35	31	21	15
500	AXS50/90	1	2	3	13	20	18	12	9
500	AXS50/120	1	2	4	19	31	27	17	13
630	AXS63/90	1	3	7	12	17	14	12	8
630	AXS63/120	2	4	7	19	26	24	15	13
760	AXS76/90	1	4	6	12	14	15	11	7
760	AXS76/120	2	5	10	18	23	23	14	11

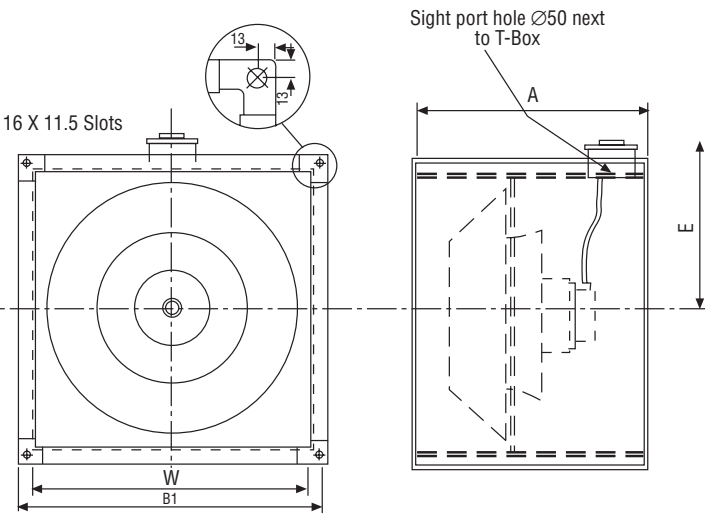
Pressure Losses through Silencer



With Drilled Flange

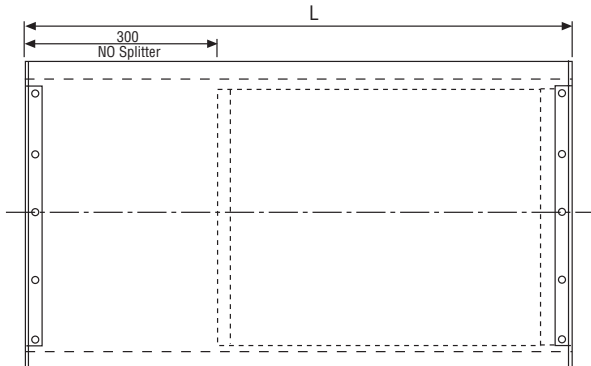
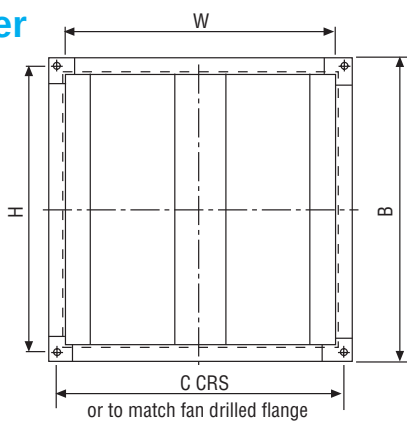


With Proprietary Flanged System



Size	A	B sq	B1 sq	C CRS	D	E	W sq	Weight (kg)
200	280	400	378	123	15.5	252	320	16.5
250	340	490	468	153	15.5	297	410	26.0
330	380	540	518	170	15.0	322	460	31.5
400	510	590	568	186	16.0	351	510	38
500	610	790	768	253	15.5	447	710	74.5
630	660	995	963	321	16.0	550	915	109.0
760	800	1180	1158	287	16.0	642	1100	190.0

Silencer



Fan Size	Silencer Code	Silencer Insertion Loss							
		63	125	250	500	1K	2K	4K	8K
200	AXS20/90	3	5	7	17	23	23	16	12
200	AXS20/120	4	7	13	25	32	32	23	15
250	AXS25/90	1	2	4	19	33	35	19	11
250	AXS25/120	1	3	5	26	42	38	25	19
330	AXS33/90	1	1	3	15	24	23	14	10
330	AXS33/120	1	1	5	22	35	31	20	16
400	AXS40/90	1	2	4	16	23	23	13	10
400	AXS40/120	2	3	7	23	35	31	21	15
500	AXS50/90	1	2	3	13	20	18	12	9
500	AXS50/120	1	2	4	19	31	27	17	13
630	AXS63/90	1	3	7	12	17	14	12	8
630	AXS63/120	2	4	7	19	26	24	15	13
760	AXS76/90	1	4	6	12	14	15	11	7

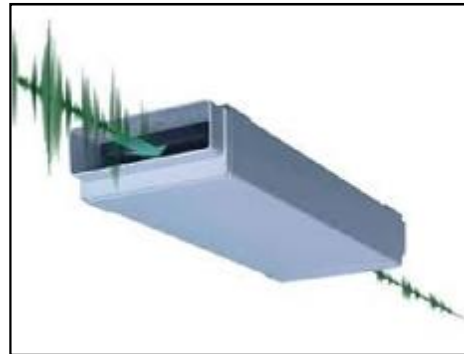
Due to a policy of continuous development and improvement the right is reserved to supply products which may differ from those illustrated and described in this publication. Certified dimensions will be supplied on request on receipt of order.

Cross Talk Attenuator

CAI

Physical Details:

Lining: None
 Construction material: Galvanised Mild Steel
 Material thickness: 1.2mm
 Flange system: Spigot
 Infill material: High density glass wool



Acoustic Performance:

	Static Insertion Loss (dB)								Average I.L dBA
	63	125	250	500	1k	2k	4k	8k	
CAI-900	20	17	18	29	40	38	28	19	25
CAI-1800	26	23	26	43	44	44	44	34	32

Aerodynamic Performance:

Maximum Air Flow (l/s) for 15pa pressure drop

	Width, (W mm)						
Depth, (D mm)	300	450	600	750	900	1050	1200
200	67	100	133	167	200	233	267
300	100	150	200	250	300	350	400
400	133	200	267	333	400	467	533

Dimensions

	Length, (L mm)
CAI-900	900
CAI-1800	1800



Cross Talk Attenuator

CAL

Physical Details:

Lining: None
 Construction material: Galvanised Mild Steel
 Material thickness: 1.2mm
 Flange system: Spigot
 Infill material: High density glass wool



Acoustic Performance:

	Static Insertion Loss (dB)								Average I.L dBA
	63	125	250	500	1k	2k	4k	8k	
CAL-900	21	18	20	31	42	44	32	30	26
CAL-1800	26	24	27	43	44	44	44	34	33

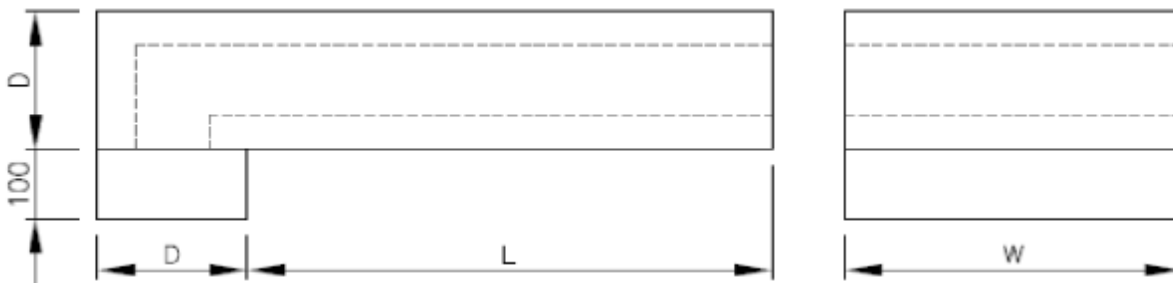
Aerodynamic Performance:

Maximum Air Flow (l/s) for 15pa pressure drop

	Width, (W mm)						
Depth, (D mm)	300	450	600	750	900	1050	1200
200	60	90	120	150	180	210	240
300	90	135	180	225	270	315	360
400	120	180	240	300	360	420	480

Dimensions

	Length, (L mm)
CAL-900	900
CAL-1800	1800



Cross Talk Attenuator

CAU

Physical Details:

Lining: None
 Construction material: Galvanised Mild Steel
 Material thickness: 1.2mm
 Flange system: Spigot
 Infill material: High density glass wool



Acoustic Performance:

	Static Insertion Loss (dB)								Average I.L dBA
	63	125	250	500	1k	2k	4k	8k	
CAU-900	21	18	20	32	44	44	38	29	31
CAU-1800	27	24	28	43	44	44	44	34	33

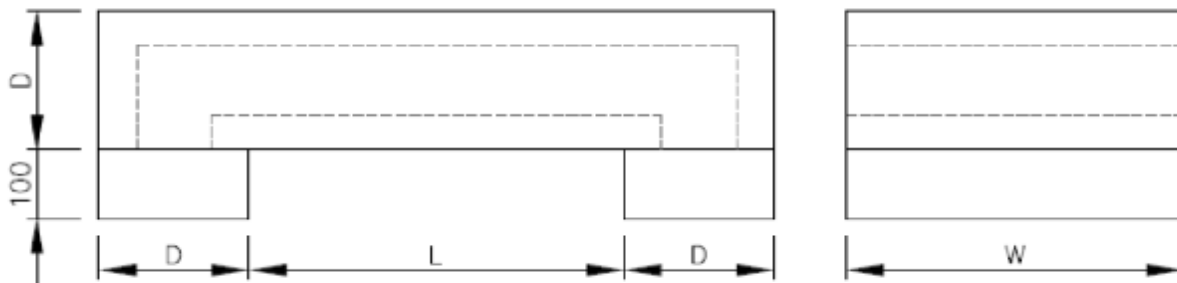
Aerodynamic Performance:

Maximum Air Flow (l/s) for 15pa pressure drop

	Width, (W mm)						
Depth, (D mm)	300	450	600	750	900	1050	1200
200	53	80	107	133	160	186	213
300	80	120	160	200	240	280	320
400	107	160	213	266	320	373	426

Dimensions

	Length, (L mm)
CAU-900	900
CAU-1800	1800



Cross Talk Attenuator

CAZ

Physical Details:

Lining: None
 Construction material: Galvanised Mild Steel
 Material thickness: 1.2mm
 Flange system: Spigot
 Infill material: High density glass wool



Acoustic Performance:

	Static Insertion Loss (dB)								Average I.L dBA
	63	125	250	500	1k	2k	4k	8k	
CAZ-900	21	18	20	32	44	44	38	29	31
CAZ-1800	27	24	28	43	44	44	44	34	33

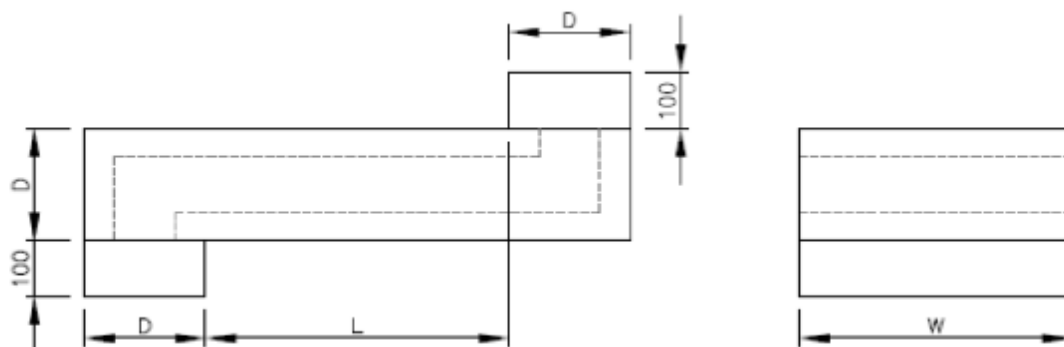
Aerodynamic Performance:

Maximum Air Flow (l/s) for 15pa pressure drop

	Width, (W mm)						
Depth, (D mm)	300	450	600	750	900	1050	1200
200	53	80	107	133	160	186	213
300	80	120	160	200	240	280	320
400	107	160	213	266	320	373	426

Dimensions

	Length, (L mm)
CAZ-900	900
CAZ-1800	1800



Speed controller

- Single phase
- Three phase
- Electronic
- Autotransformers

SPEED CONTROLLERS

MSC1.8 - MCS5 - MSC10 - R105 - RC108B
R305 - RC108B



Single phase

- Two types of motors are used. One with a separate capacitor box, the second with the capacitor fitted to the motor, on both types there is a link fitted between the U and P terminals on the fan motor, which must be removed. In each case connections must be made as shown in the circuit diagram.
- On single phase an external thermostat or switch may be fitted to enable the fan to run at two speeds. 1 maximum, 2 controller-preset speed. This is achieved by connecting the thermostat switch to the U and Z terminals in the controller. When the contacts close speed is increased to maximum. When the contacts are open the speed will be that preset at the controller.
- On the single phase electronic units the controllers have a separate ON/OFF switch. Rotating the knob will increase the speed of the fans from 30% to full speed with infinitely variable control. The minimum speed can be preset by adjusting the internal minimum speed pot.
- On the single phase autotransformer types the controllers do not have separate ON/OFF switches. Rotating the control knob clockwise will increase the speed of the fan from 30% to full in five steps.

Three Phase

- On the three phase autotransformer types. Rotating the control knob clockwise will turn ON and increase the speed of the fan from 30% to full in five steps.

Installation

On all single phase and three phase controllers the following steps must be observed:

- Check that the controller can safely control the number, size and speed of the fan.
- Install in a dry sheltered position. Leave an air space not less than 15 cms around the controller to allow cooling air to flow freely. Do not install in close proximity to other heat sources. The maximum ambient must not exceed 40°C
- Remove the front cover of the controller by unscrewing the cover plate fixing screws. This provides access to mounting holes and terminals. If more fans are required to be controlled, a junction box can be used to parallel the various connections, or they can be paralleled at the terminal blocks.
- Check the motor full load current reading does not exceed the controller full capacity.

Specifications

Type	Voltage	Full Load Amps	Operation
MSC1.8	230-240	1.8	Variable
MCS5	230-240	5	Variable
MSC10	230-240	10	Variable
R105	230-240	5	5 Step
RC108B	230-240	8	0-10v input
R305	400	5	5 Step

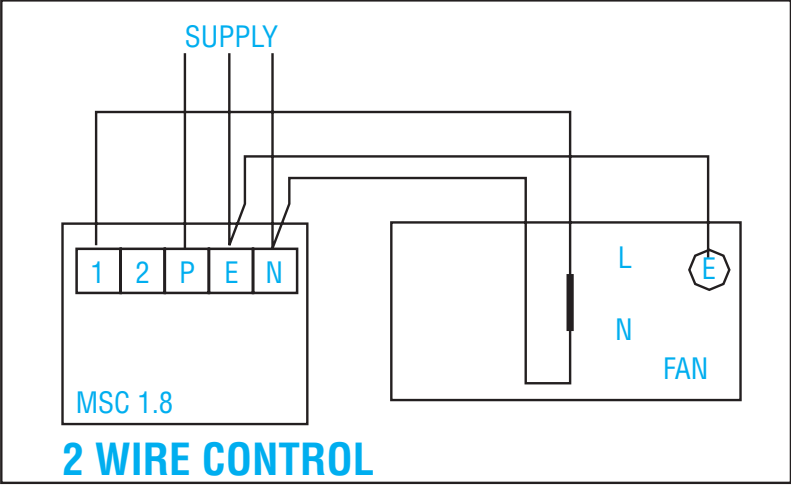
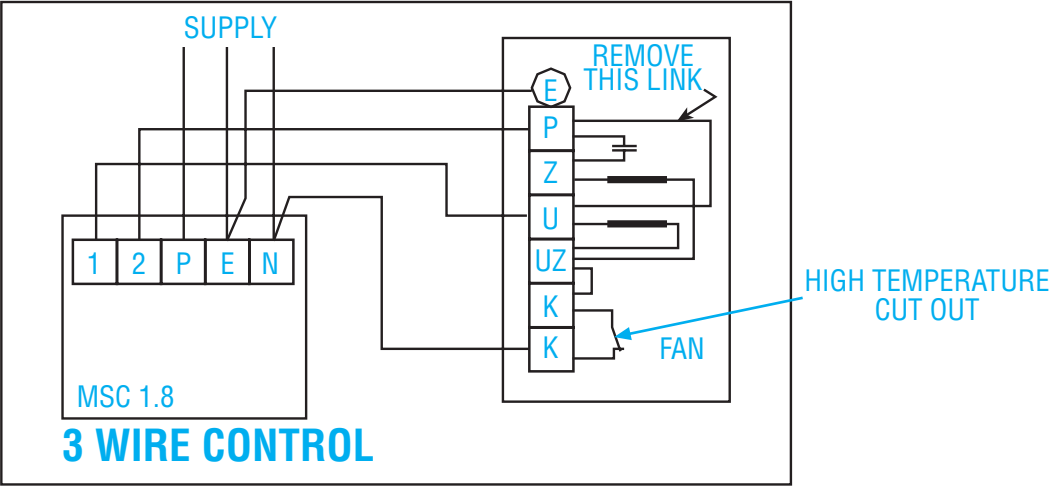
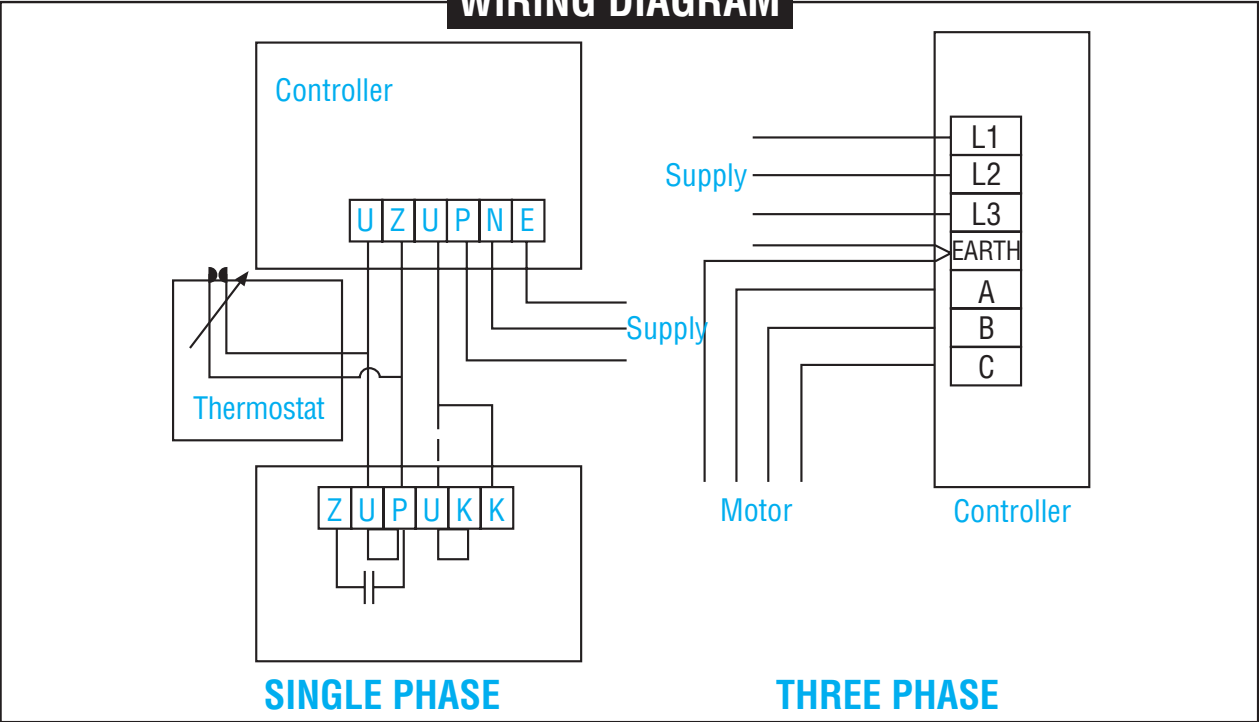
Type	Height	Width	Depth
MSC1.8	117	72	32
MCS5	120	170	55
MSC10	120	170	55
R105	225	165	105
RC108B	47	92	145
R305	285	245	133

SPEED CONTROLLERS

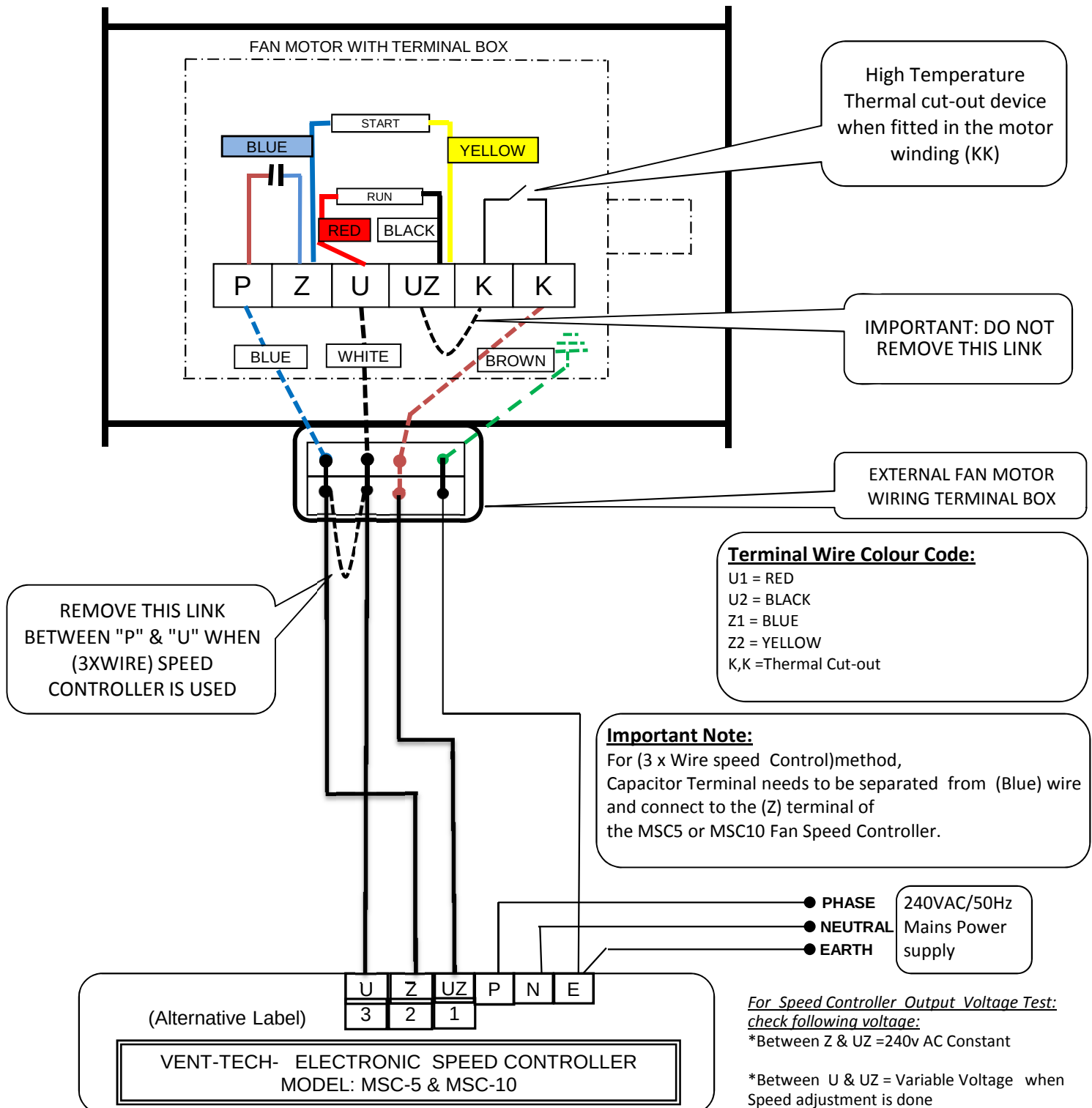
WIRING DETAILS



WIRING DIAGRAM



WIRING DIAGRAM FOR AX3 , AXIAL & REU FAN WITH SINGLE PHASE (FLAKTWOODS)



INSTALLATION & COMMISSIONING INSTRUCTION:

1. Install the speed controller on the wall away from heat source, vapour, moisture laden air preferably in dry location. Avoid exposure to direct sunlight, water spray and corrosive environment.
2. Connect all cables as per the above diagram.
3. Remove link between terminal P and Z only if 3 x wire control method is used.
4. Do not remove the link between terminal UZ and K inside the motor terminal box which is fitted for Thermal cut-out device.
5. Record the full load motor current and check against motor/Fan name plate rating to ensure correct operation.

NOTE: Vent-Tech Limited reserves the right to make changes in design or specifications of the equipment without notice and will not accept any liability of any kind for any equipment failure as a result of incorrect wiring, failure to observe the above instruction or otherwise.



FLB

- Fan Louvre Box Unit

SPECIFICATION

Sizes

315, 355, 450, 630, 710, 800, 1000mm diameter

Fan Performance

The fan is of large volume flow design. The impeller is designed to give excellent performance characteristic with large airflow and low static pressure development

Impellers

Size 315-710: Flaktwoods 2101GP Aluminium clad mild steel propeller

Size 800-1000: Flaktwoods clima impeller aluminium hub and black composite material blades

The impellers are balanced according to ISO1940.

Motor

Manufactured to comply AS1359 high efficiency IE2. Motor enclosure to feature IP55 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design.

Casing

Casing of the fans are of galvanised steel, with 50mm flanges connection for easy wall mounted installation.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

Sound levels – Established from tests in accordance with ISO3745

FLB fan Louvre Box



Fan Louvre Box

FLB-3141



Impeller

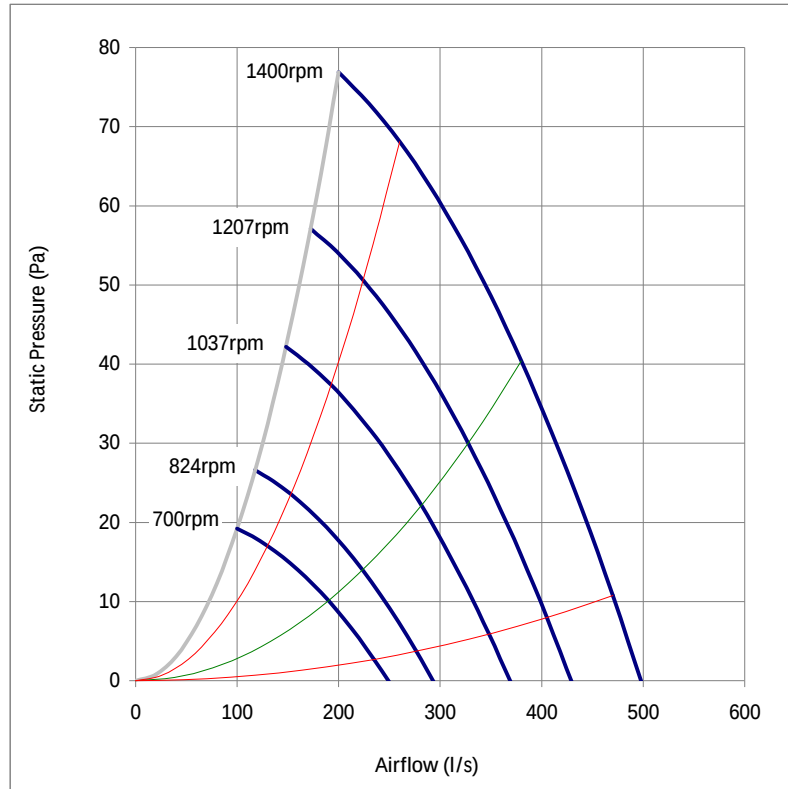
Size 310 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

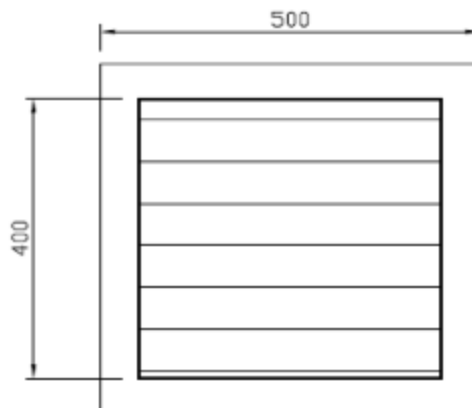
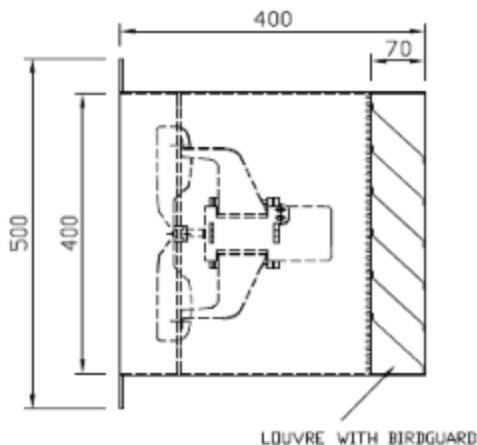
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 1400 RPM
FLC 0.50 A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanised metal
Weight 7Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	77	0.07	230	68	68	67	65	64	62	62	56	49
1207	57	0.04	200	65	65	64	62	61	59	59	53	46
1037	42	0.03	170	61	61	60	58	57	55	55	49	42
824	27	0.01	130	56	56	55	53	52	50	50	44	37
700	19	0.01	110	53	53	52	50	49	47	47	41	34



Fan Louvre Box

FLB-3541



Impeller

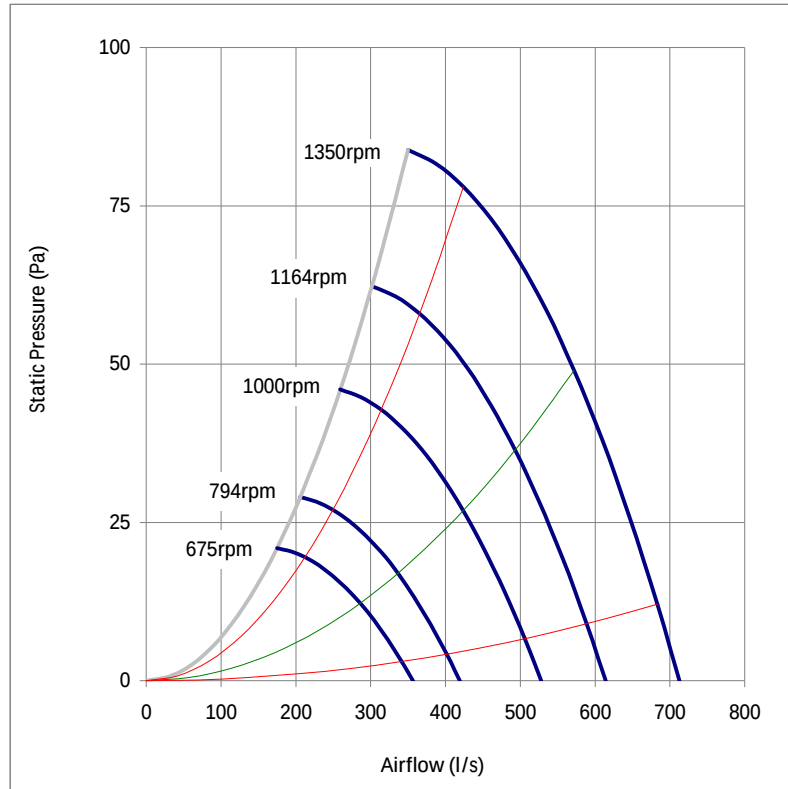
Size 350 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

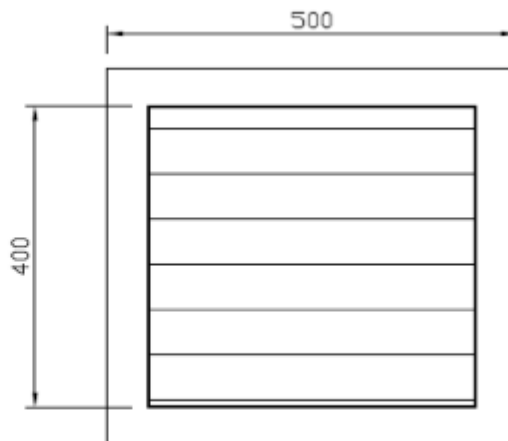
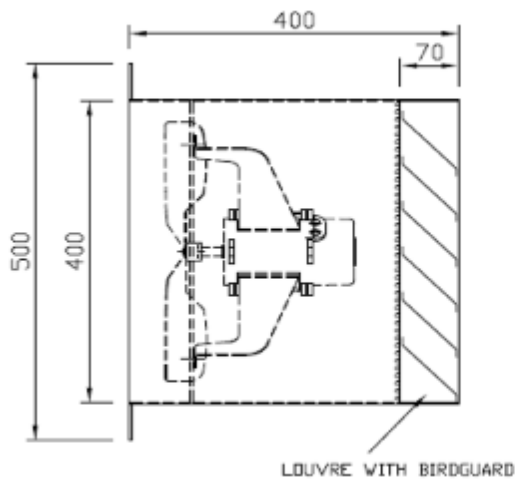
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 0.80 A
Capacitor 5 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 9kG
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	84	0.10	230	72	72	71	69	68	66	66	60	53
1164	62	0.06	200	69	69	68	66	65	63	63	57	50
1000	46	0.04	170	65	65	64	62	61	59	59	53	46
794	29	0.02	130	60	60	59	57	56	54	54	48	41
675	21	0.01	110	57	57	56	54	53	51	51	45	38



Fan Louvre Box



Impeller

Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

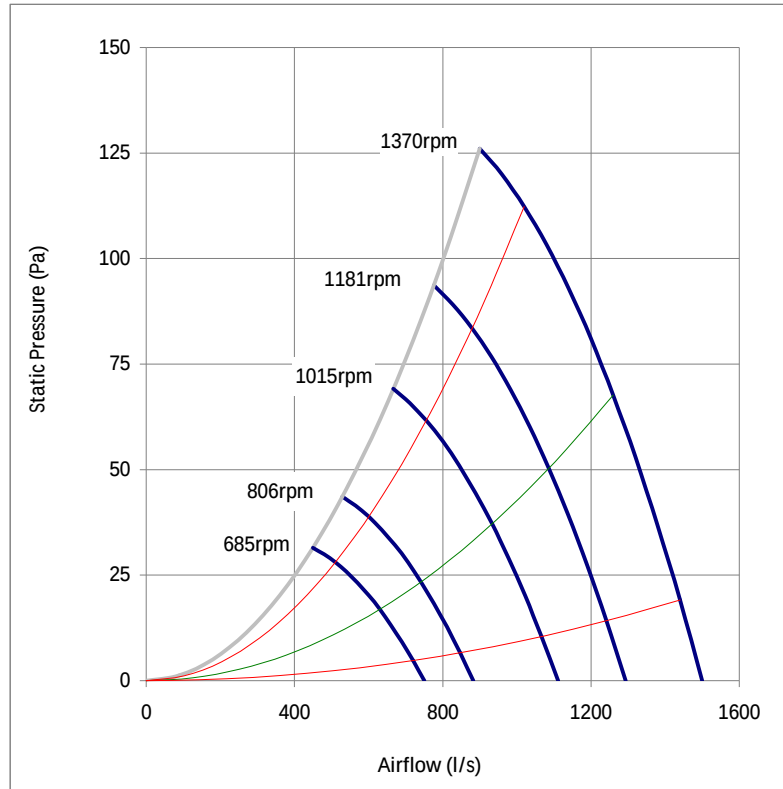
Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.31 Kw
Power Supply 230V/1PH/50Hz
Speed 1370 RPM
FLC 2.20 A
Capacitor -
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

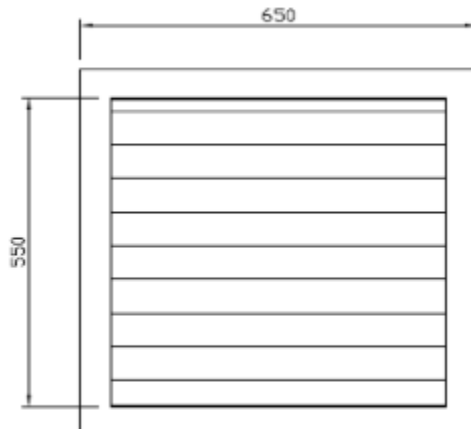
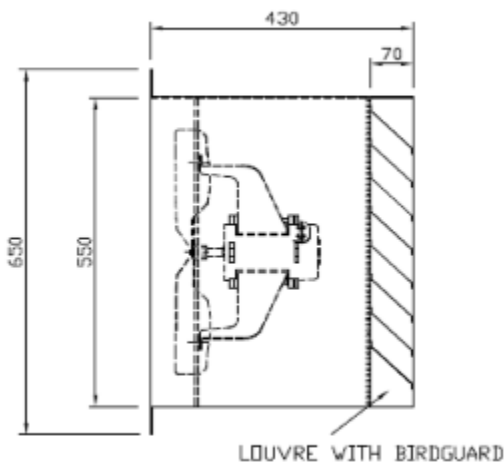
Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C

FLB-4541



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1370	126	0.31	230	79	79	78	76	75	73	73	67	60
1181	94	0.20	200	76	76	75	73	72	70	70	64	57
1015	69	0.13	170	72	72	71	69	68	66	66	60	53
806	44	0.06	130	67	67	66	64	63	61	61	55	48
685	32	0.04	110	64	64	63	61	60	58	58	52	45



Fan Louvre Box

FLB-4543



Impeller

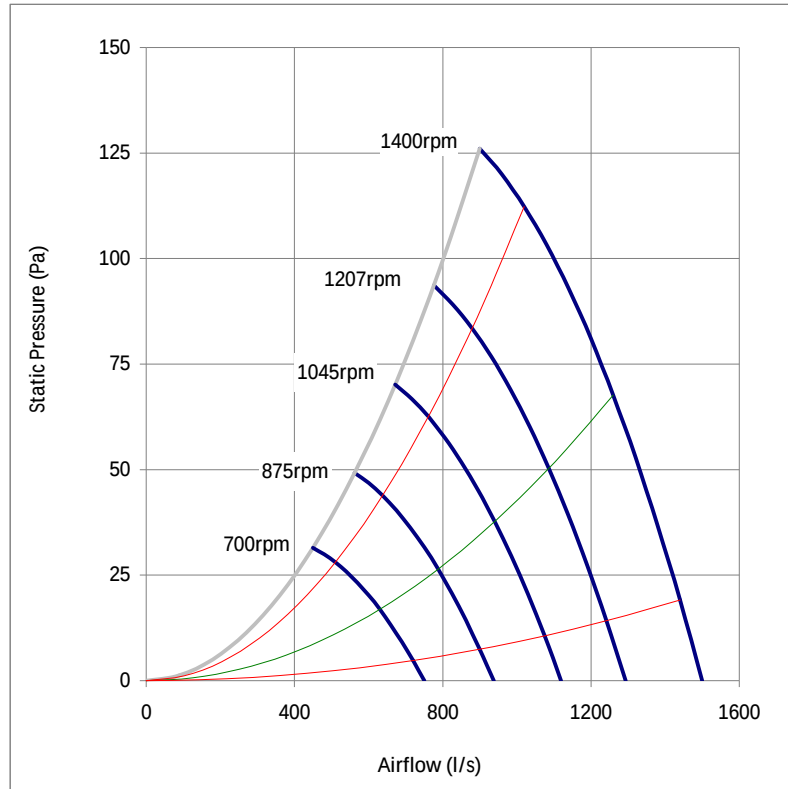
Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

Motor

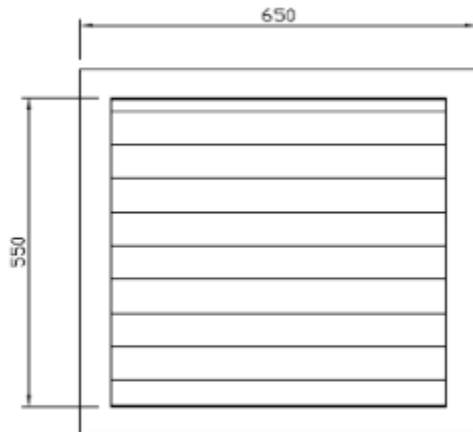
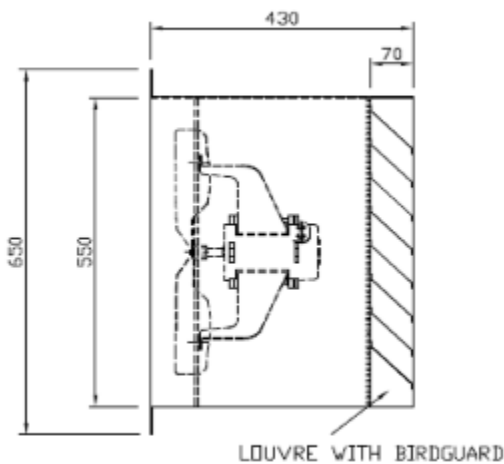
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.37 Kw
Power Supply 400V/3PH/50Hz
Speed 1400 RPM
FLC 0.90 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1400	126	0.37	50	79	79	78	76	75	73	73	67	60
1207	94	0.24	43	76	76	75	73	72	70	70	64	57
1045	70	0.15	37	73	73	72	70	69	67	67	61	54
875	49	0.09	31	69	69	68	66	65	63	63	57	50
700	32	0.05	25	64	64	63	61	60	58	58	52	45



Fan Louvre Box

FLB-4561



Impeller

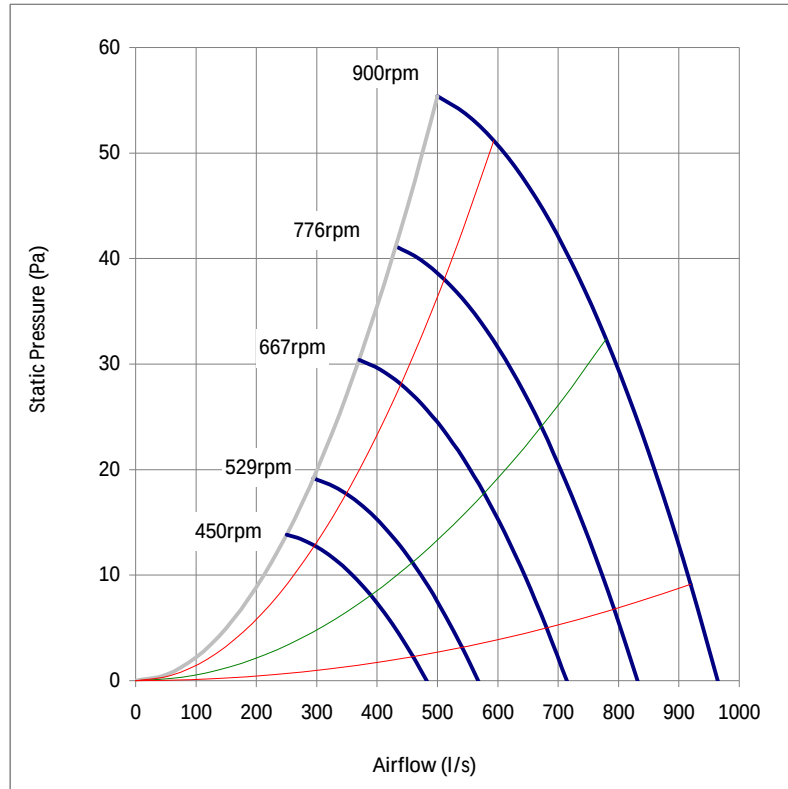
Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

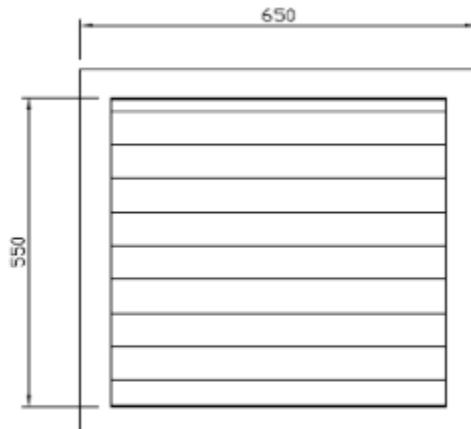
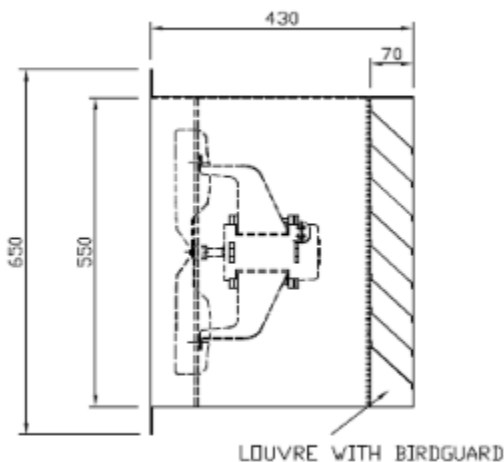
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 1.00 A
Capacitor -
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	55	0.08	230	69	69	68	66	65	63	63	57	50
776	41	0.05	200	66	66	65	63	62	60	60	54	47
667	30	0.03	170	62	62	61	59	58	56	56	50	43
529	19	0.02	130	57	57	56	54	53	51	51	45	38
450	14	0.01	110	54	54	53	51	50	48	48	42	35



Fan Louvre Box

FLB-4563



Impeller

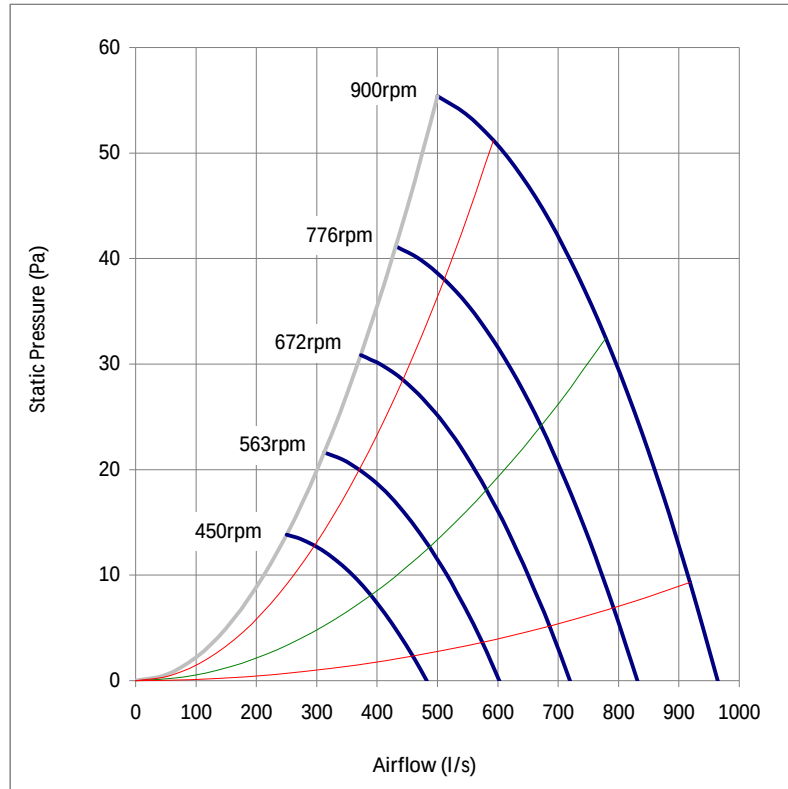
Size 450 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

Motor

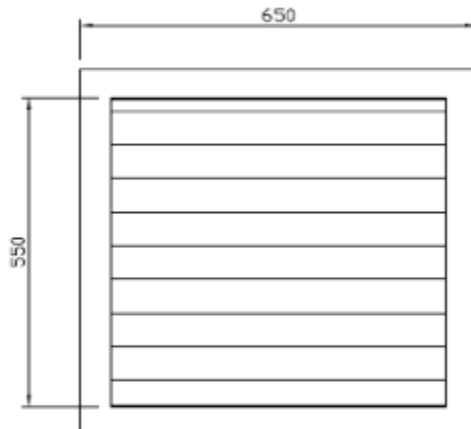
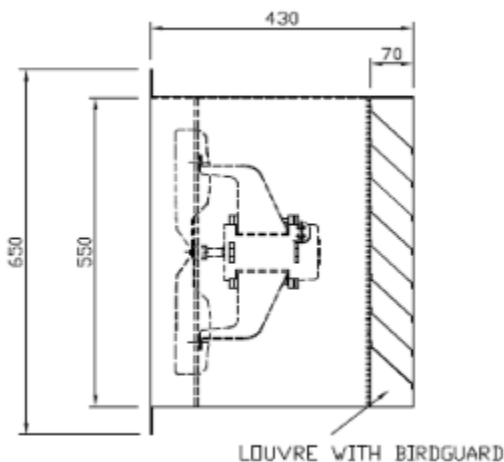
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.18 Kw
Power Supply 230V/1PH/50Hz
Speed 900 RPM
FLC 0.50 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	55	0.18	50	69	69	68	66	65	63	63	57	50
776	41	0.12	43	66	66	65	63	62	60	60	54	47
672	31	0.07	37	63	63	62	60	59	57	57	51	44
563	22	0.04	31	59	59	58	56	55	53	53	47	40
450	14	0.02	25	54	54	53	51	50	48	48	42	35



Fan Louvre Box

FLB-5041



Impeller

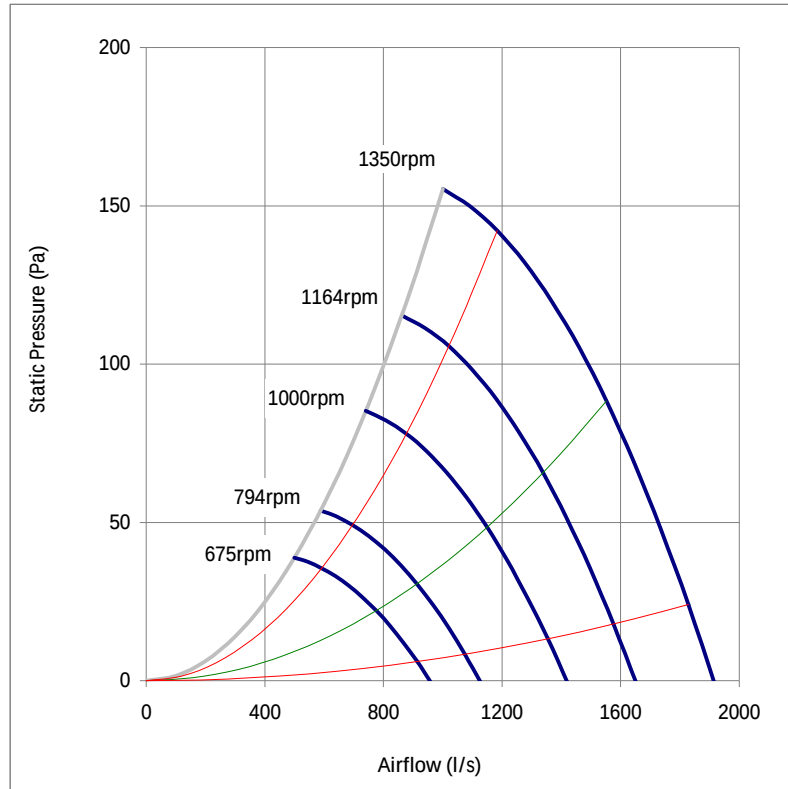
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

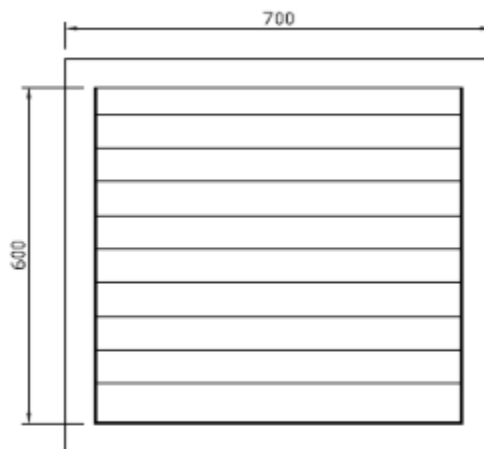
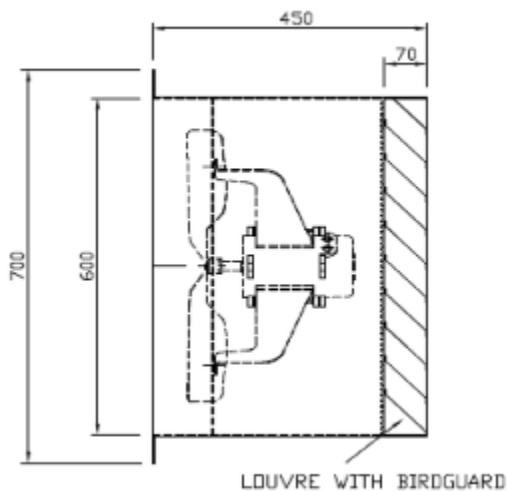
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.52 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 RPM
FLC 2.80 A
Capacitor 15 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	155	0.52	230	79	81	81	79	77	76	73	67	62
1164	115	0.33	200	76	78	78	76	74	73	70	64	59
1000	85	0.21	170	72	74	74	72	70	69	66	60	55
794	54	0.11	130	67	69	69	67	65	64	61	55	50
675	39	0.07	110	64	66	66	64	62	61	58	52	47



Fan Louvre Box

FLB-5061



Impeller

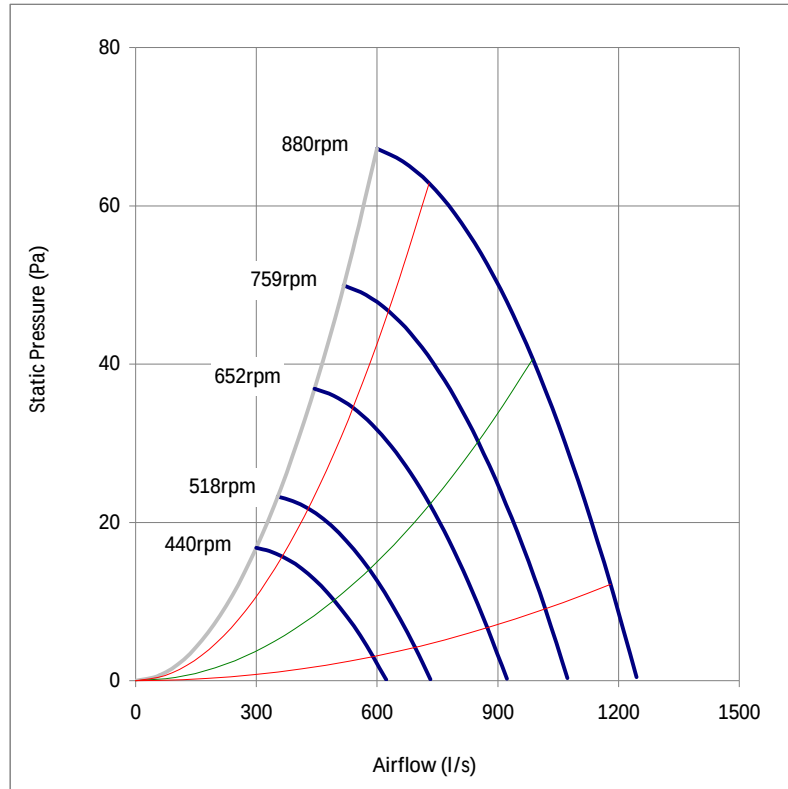
Size 500 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

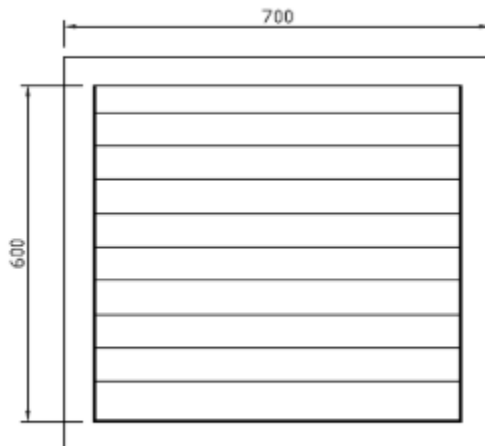
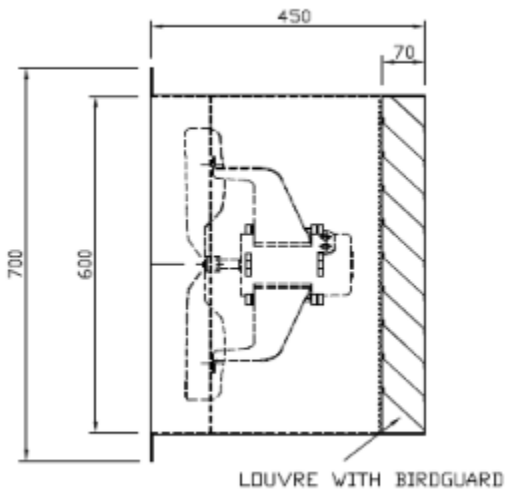
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.22 Kw
Power Supply 230V/1PH/50Hz
Speed 880 RPM
FLC 1.80 A
Capacitor 8 μ F
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 10Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
880	67	0.22	230	69	71	71	69	67	66	63	57	52
759	50	0.14	200	66	68	68	66	64	63	60	54	49
652	37	0.09	170	62	64	64	62	60	59	56	50	45
518	23	0.04	130	57	59	59	57	55	54	51	45	40
440	17	0.03	110	54	56	56	54	52	51	48	42	37



Fan Louvre Box

FLB-6361



Impeller

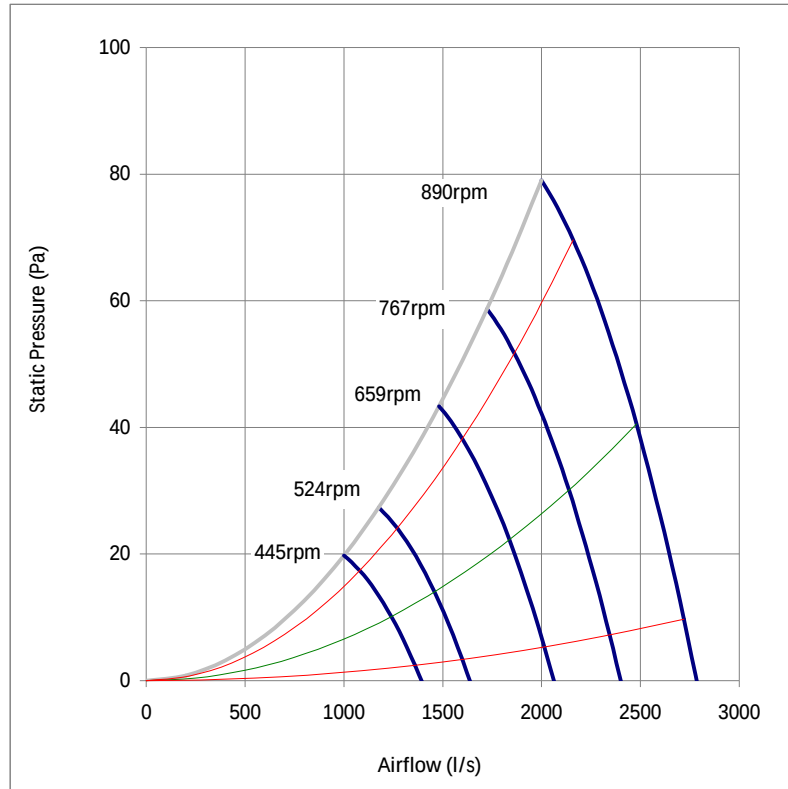
Size 630 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

Motor

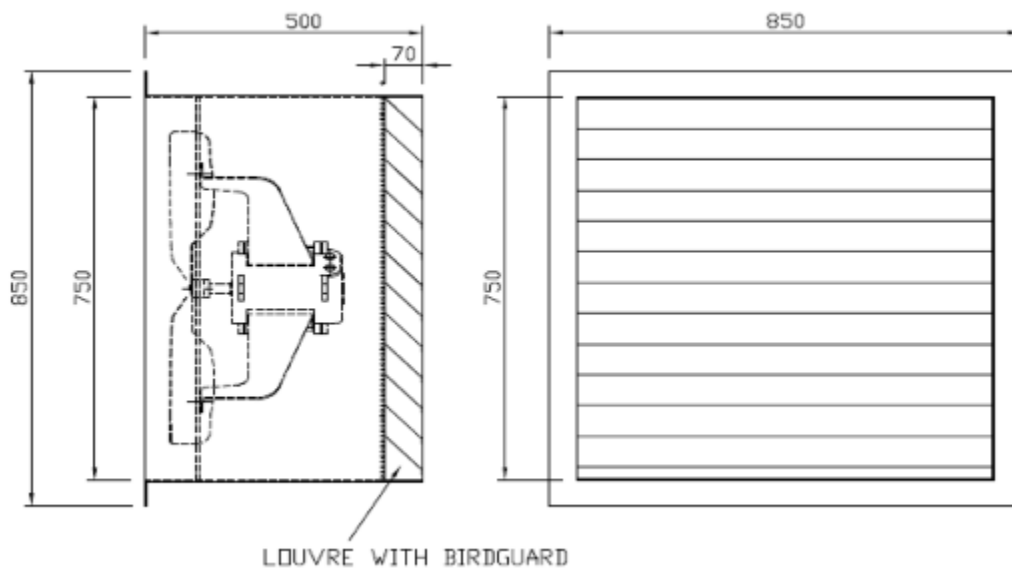
Type TEFC
IP Rating 55
Insulation Class 155
Power 0.43 Kw
Power Supply 230V/1PH/50Hz
Speed 890 RPM
FLC 3.30 A
Capacitor -
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

Fan

Plate Galvanised metal
Weight 18Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
890	79	0.43	230	77	79	79	77	75	74	71	65	60
767	59	0.28	200	74	76	76	74	72	71	68	62	57
659	43	0.17	170	70	72	72	70	68	67	64	58	53
524	27	0.09	130	65	67	67	65	63	62	59	53	48
445	20	0.05	110	62	64	64	62	60	59	56	50	45



Fan Louvre Box



Impeller

Size 630 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

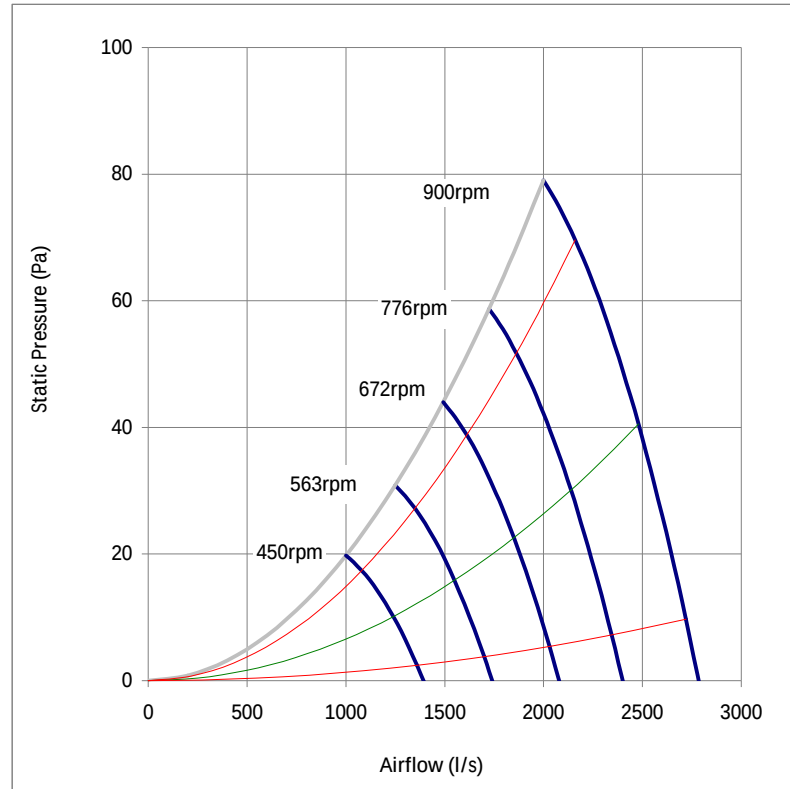
Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 900 RPM
FLC 1.80 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

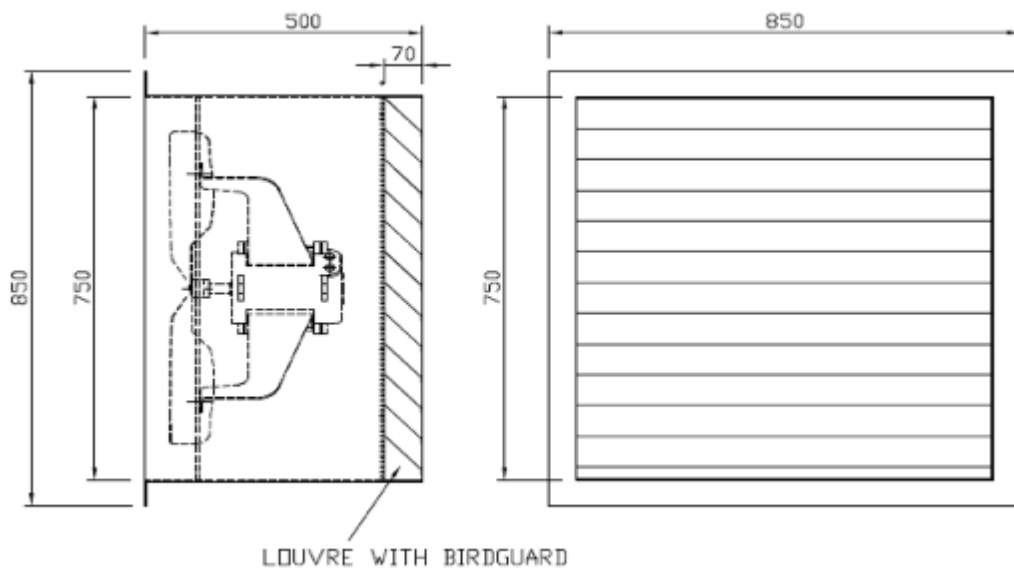
Fan

Plate Galvanised metal
Weight 18Kg
Max. Temp 50 °C

FLB-6363



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	79	0.55	50	77	79	79	77	75	74	71	65	60
776	59	0.35	43	74	76	76	74	72	71	68	62	57
672	44	0.23	37	71	73	73	71	69	68	65	59	54
563	31	0.13	31	67	69	69	67	65	64	61	55	50
450	20	0.07	25	62	64	64	62	60	59	56	50	45



Fan Louvre Box



Impeller

Size 710 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Aluminium

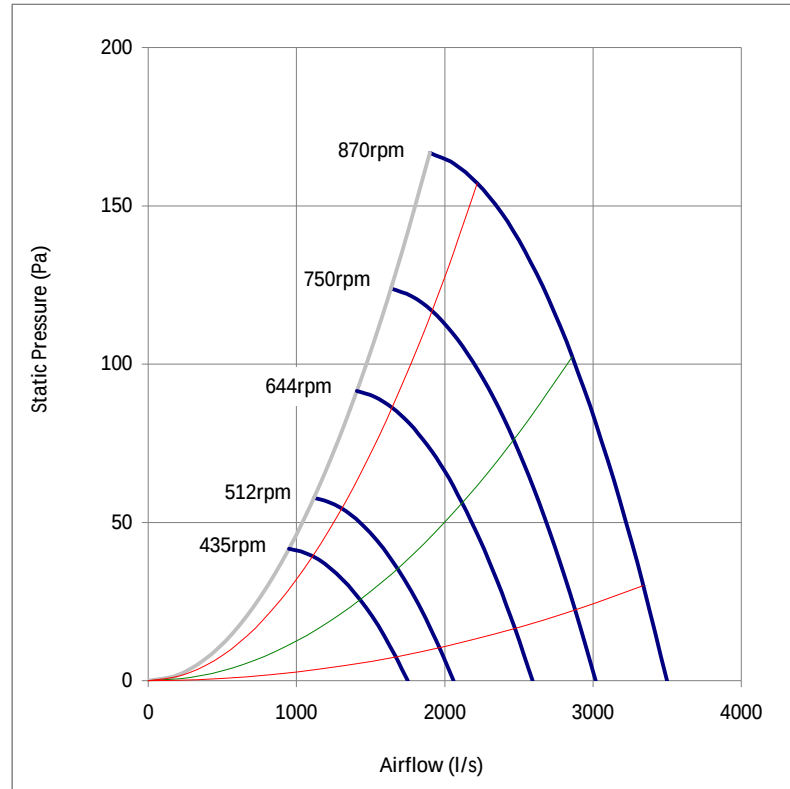
Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.49 Kw
Power Supply 230V/1PH/50Hz
Speed 870 RPM
FLC 3.30 A
Capacitor -
Control RE3.5, 5 Step Controller
Protection Thermal Contacts

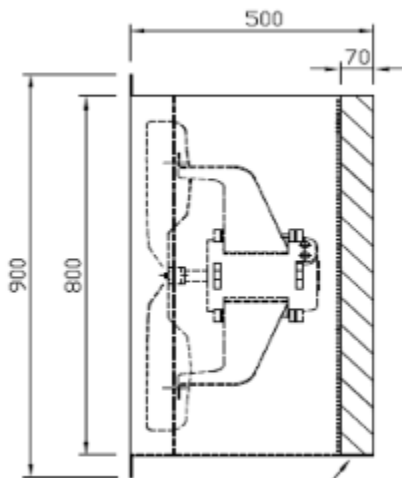
Fan

Plate Galvanised metal
Weight 19Kg
Max. Temp 50 °C

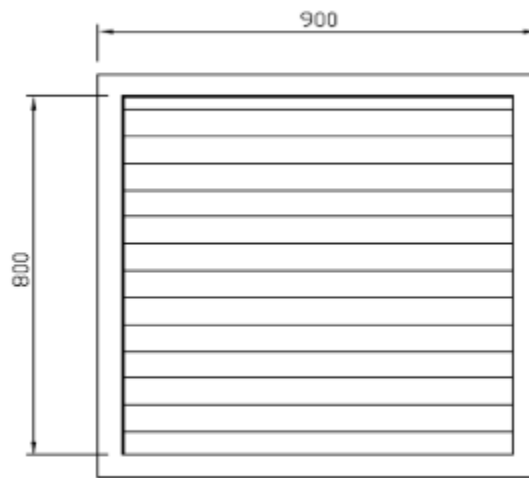
FLB-7161



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
870	167	0.49	50	80	82	82	80	78	77	74	68	63
750	124	0.31	43	77	79	79	77	75	74	71	65	60
644	91	0.20	37	73	75	75	73	71	70	67	61	56
512	58	0.10	29	68	70	70	68	66	65	62	56	51
435	42	0.06	25	65	67	67	65	63	62	59	53	48



LOUVRE WITH BIRDCUARD



Fan Louvre Box



Impeller

Size 710 mm
Type Axial Arefoil
Material Aluminium clad mild steel
Motor finish Powder Coating RAL7032

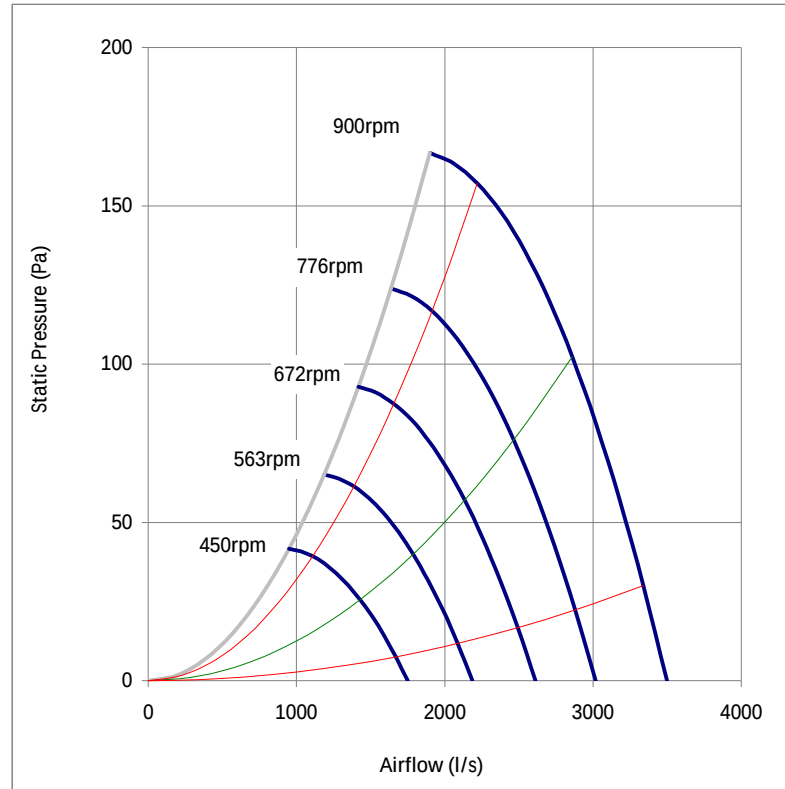
Motor

Type TEFC
IP Rating 55
Insulation Class 155
Power 0.55 Kw
Power Supply 400V/3PH/50Hz
Speed 900 RPM
FLC 1.80 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

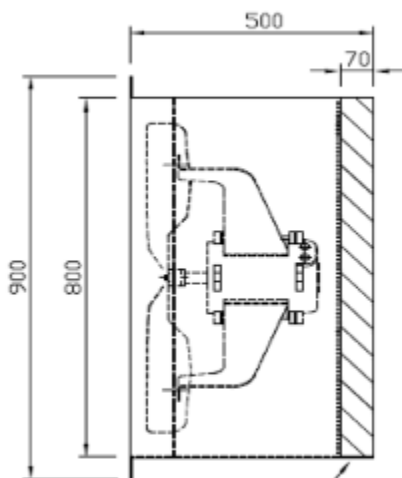
Fan

Plate Galvanised metal
Weight 19Kg
Max. Temp 50 °C

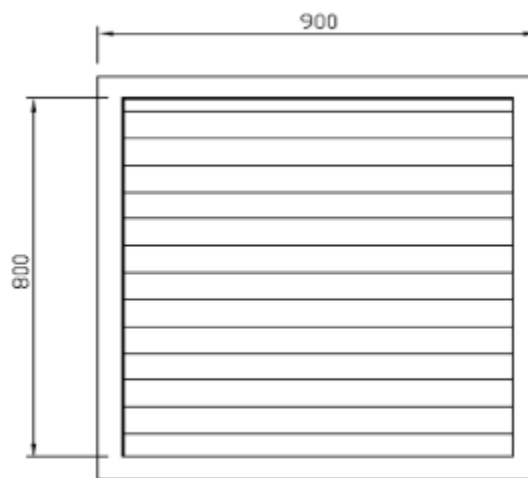
FLB-7163



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
900	167	0.55	50	80	82	82	80	78	77	74	68	63
776	124	0.35	43	77	79	79	77	75	74	71	65	60
672	93	0.23	37	74	76	76	74	72	71	68	62	57
563	65	0.13	31	70	72	72	70	68	67	64	58	53
450	42	0.07	25	65	67	67	65	63	62	59	53	48



LOUVRE WITH BIRDCUARD



Fan Louvre Box

FLB-8063



Impeller

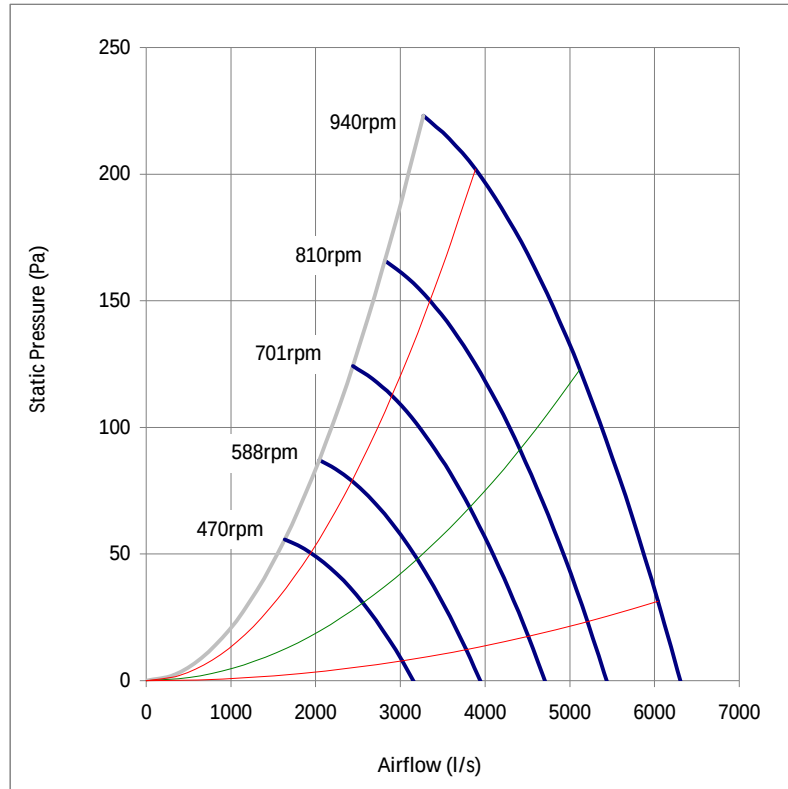
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

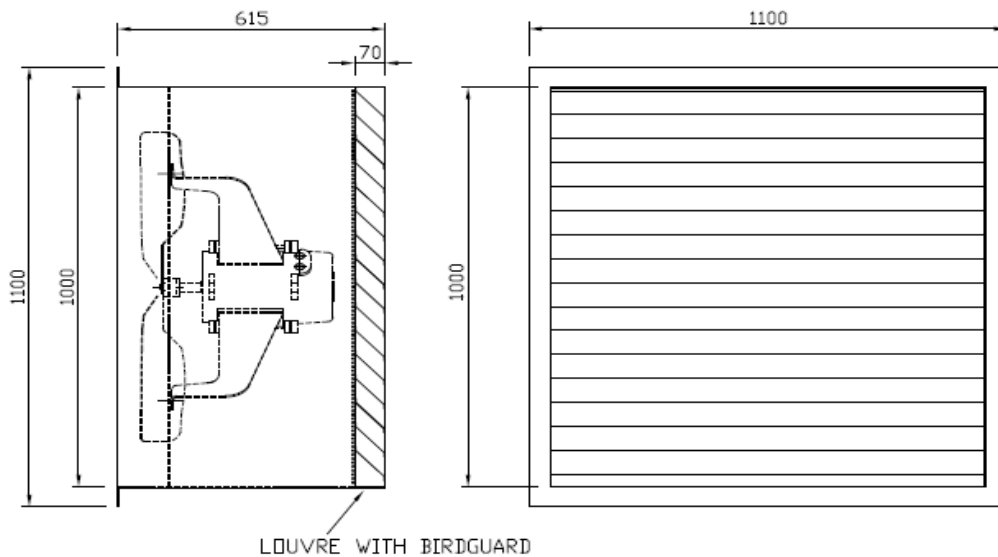
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.50 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 4.30 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 42Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	223	1.50	50	76	78	80	78	74	71	67	62	58
810	166	0.96	43	73	75	77	75	71	68	64	59	55
701	124	0.62	37	70	72	74	72	68	65	61	56	52
588	87	0.37	31	66	68	70	68	64	61	57	52	48
470	56	0.19	25	61	63	65	63	59	56	52	47	43



Fan Louvre Box

FLB-8083



Impeller

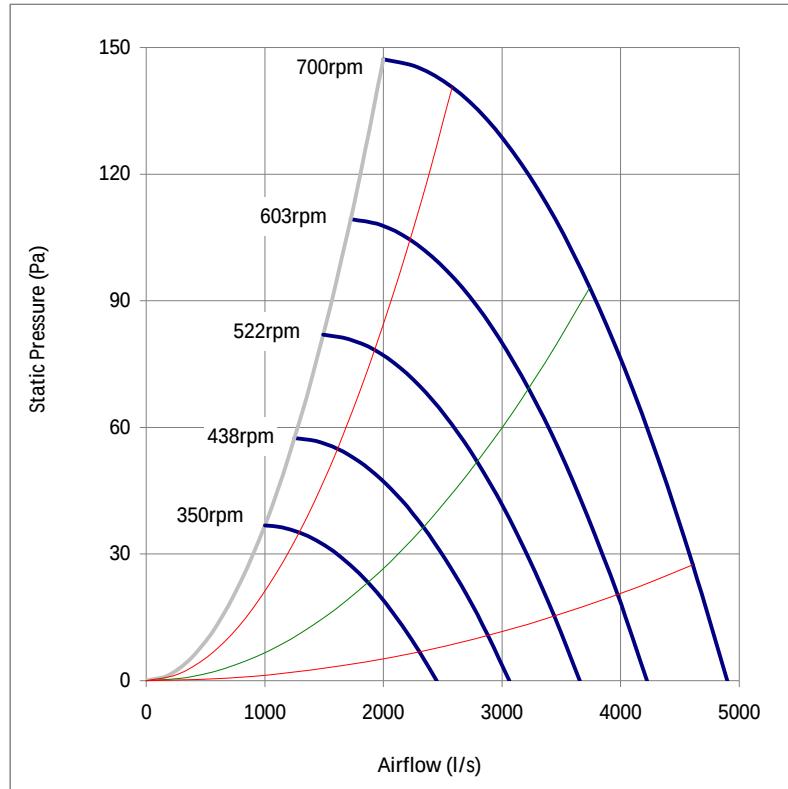
Size 800 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

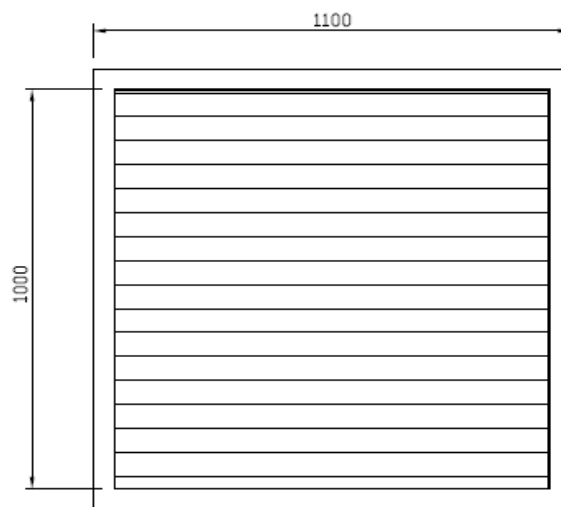
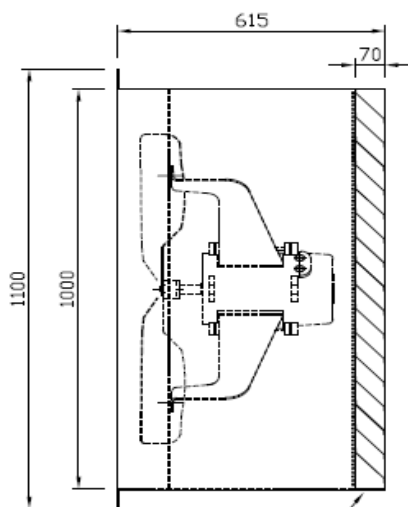
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 0.75 Kw
Power Supply 400V/3PH/50Hz
Speed 700 RPM
FLC 2.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

Plate Galvanised metal
Weight 42Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
700	147	0.75	50	70	72	74	72	68	65	61	56	52
603	109	0.48	43	67	69	71	69	65	62	58	53	49
522	82	0.31	37	64	66	68	66	62	59	55	50	46
438	57	0.18	31	60	62	64	62	58	55	51	46	42
350	37	0.09	25	55	57	59	57	53	50	46	41	37



LOUVRE WITH BIRDCUARD

Fan Louvre Box

FLB-10063



Impeller

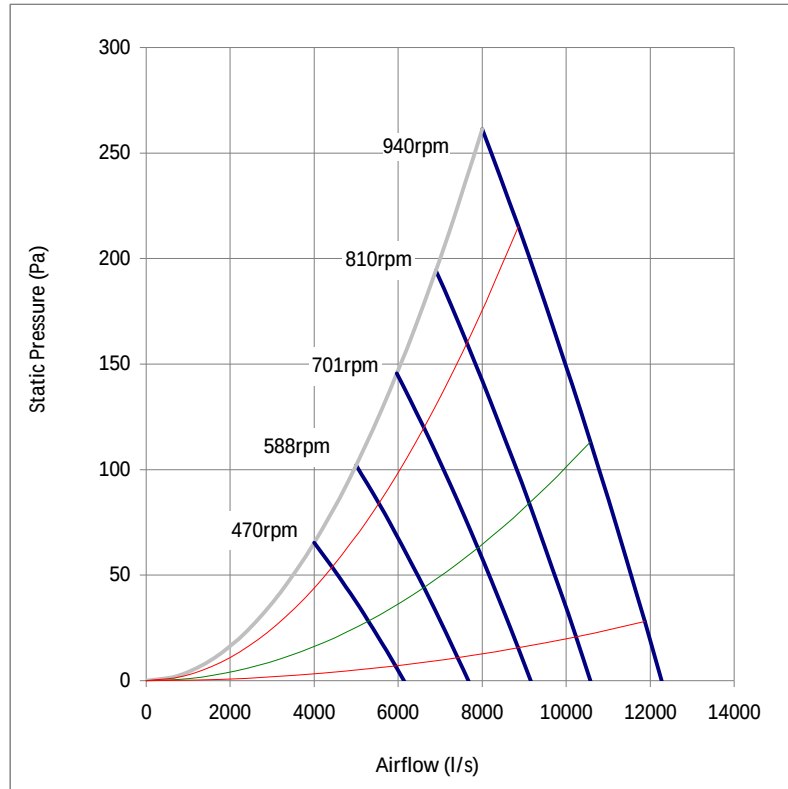
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

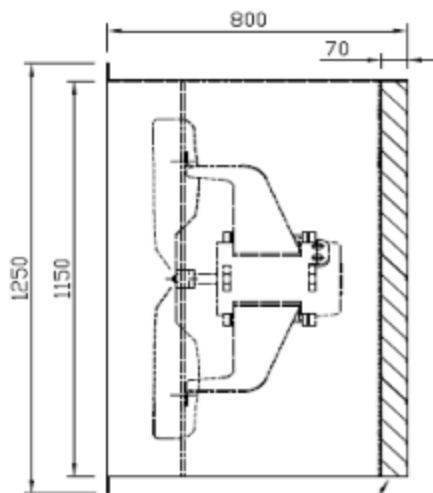
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 4.00 Kw
Power Supply 400V/3PH/50Hz
Speed 940 RPM
FLC 9.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

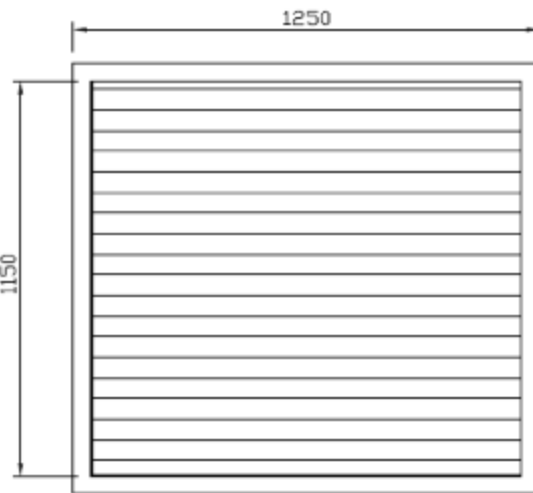
Plate Galvanised metal
Weight 65Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
940	261	4.00	50	88	88	86	85	85	82	78	74	68
810	194	2.56	43	85	85	83	82	82	79	75	71	65
701	146	1.66	37	82	82	80	79	79	76	72	68	62
588	102	0.98	31	78	78	76	75	75	72	68	64	58
470	65	0.50	25	73	73	71	70	70	67	63	59	53



LOUVRE WITH BIRDCUARD



Fan Louvre Box

FLB-10063



Impeller

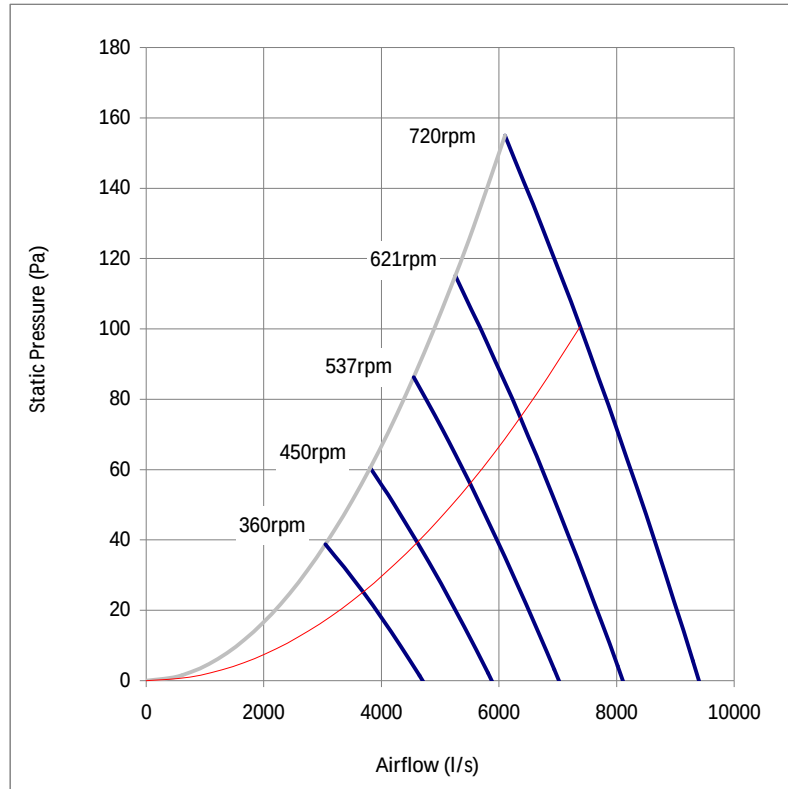
Size 1000 mm
Type Axial Arefoil
Material Black Composite Material
Motor finish Powder Coating RAL7032

Motor

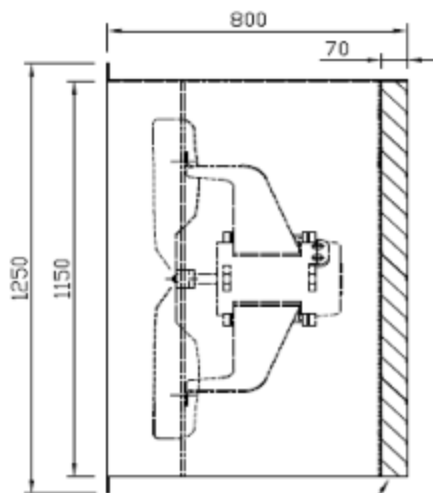
Type IE2 - TEFC
IP Rating 55
Insulation Class 155
Power 1.55 Kw
Power Supply 400V/3PH/50Hz
Speed 720 RPM
FLC 4.00 A
Capacitor -
Control Variable Speed Drive
Protection Thermistor

Fan

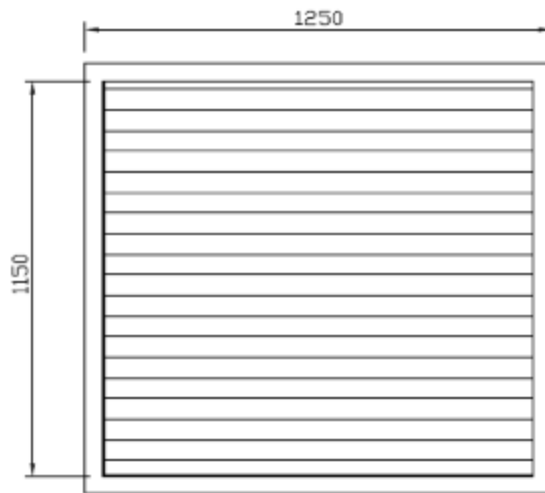
Plate Galvanised metal
Weight 65Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
720	155	1.55	50	82	82	80	79	79	76	72	68	62
621	115	0.99	43	79	79	77	76	76	73	69	65	59
537	86	0.64	37	76	76	74	73	73	70	66	62	56
450	61	0.38	31	72	72	70	69	69	66	62	58	52
360	39	0.19	25	67	67	65	64	64	61	57	53	47



LOUVRE WITH BIRDCUARD



CFB

- Ceiling Fan Box
- Multiple air inlets
- With External Rotor

SPECIFICATION

Sizes

150, 200, 250mm diameter

Fan Performance

The fan is of low noise and high static efficiency design. The impeller is designed to give excellent performance characteristic with high static pressure development with out stall

Impellers

Ziehl-Abegg little blue low noise high efficiency centrifugal fan. The impellers are manufactured from steel material and balanced according to ISO1940.

Motors

Ziehl-Abegg asynchronous external rotor motors. Motor enclosure to feature IP44 protection . Motor winding insulation are to incorporate thermal class 155 as standard. Motor bearings are to be of maintenance free ball bearing design. Auto-reset thermal contacts are provided as standard.

Casing

Casing of the fans are of galvanised steel, with oval spigot connection to suit either flexible duct or galvanised steel ductwork.

Test Procedures

Performance Date – Established from tests in accordance with ISO5801:1997

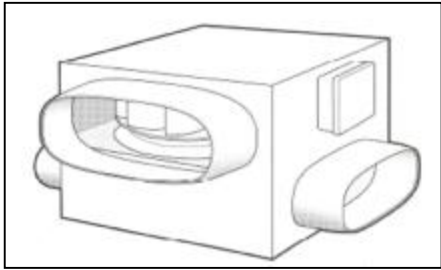
Sound levels – Established from tests in accordance with ISO3745

Ziehl-Abegg little blue external rotor



Ceiling Fan Box

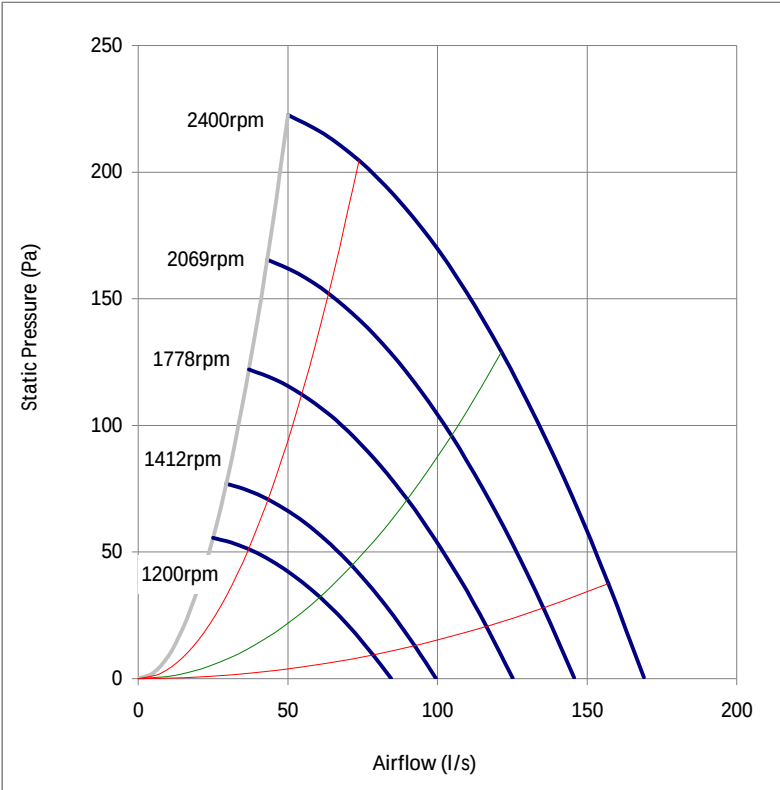
CFD-1921



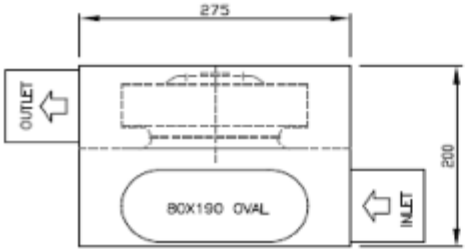
Impeller
Size 190 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.07 Kw
Power Supply 230V/1PH/50Hz
Speed 2400
FLC 0.29 A
Capacitor 2 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

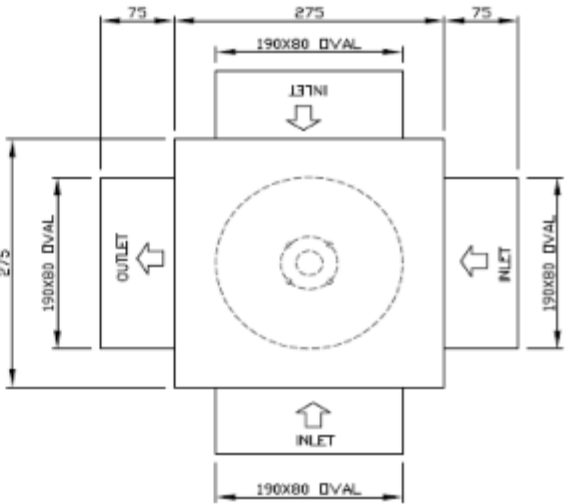
Fan
Case Galvanised Steel
Weight 2.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2400	223	0.07	230	61	61	64	63	62	58	57	46	45
2069	165	0.04	200	57	58	60	59	59	55	54	43	42
1778	122	0.03	170	54	55	57	56	56	51	51	40	38
1412	77	0.01	130	49	50	52	51	51	46	46	35	33
1200	56	0.01	110	46	46	49	47	47	43	42	31	30

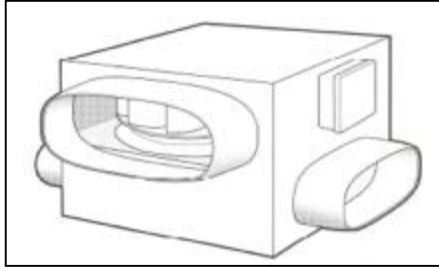


ALL OVAL CONNECTIONS SUITABLE
FOR Ø150MM FLEXIBLE DUCTING



Ceiling Fan Box

CFD-1941



Impeller

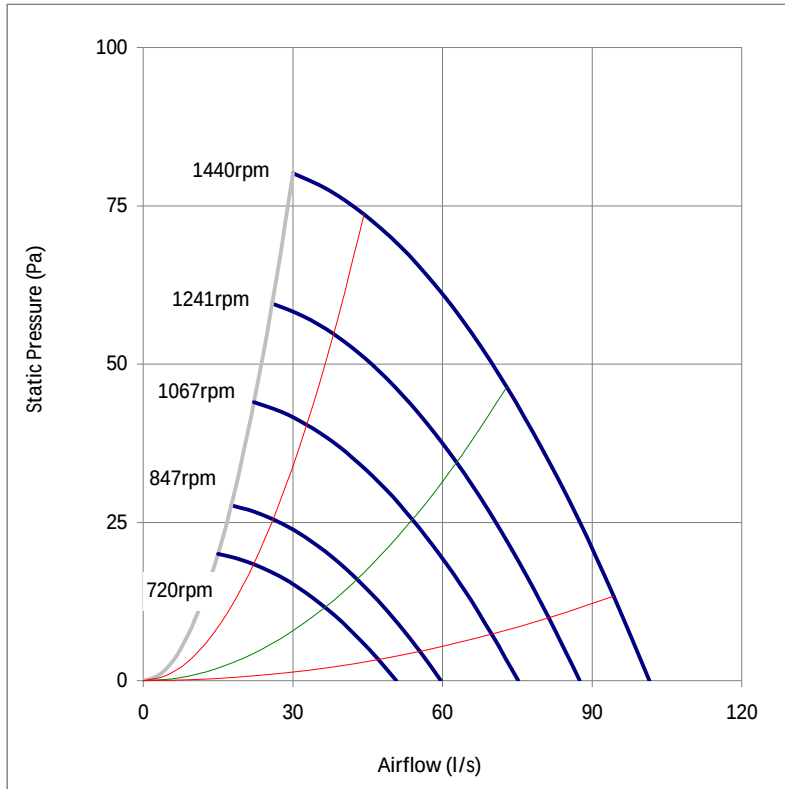
Size 190 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

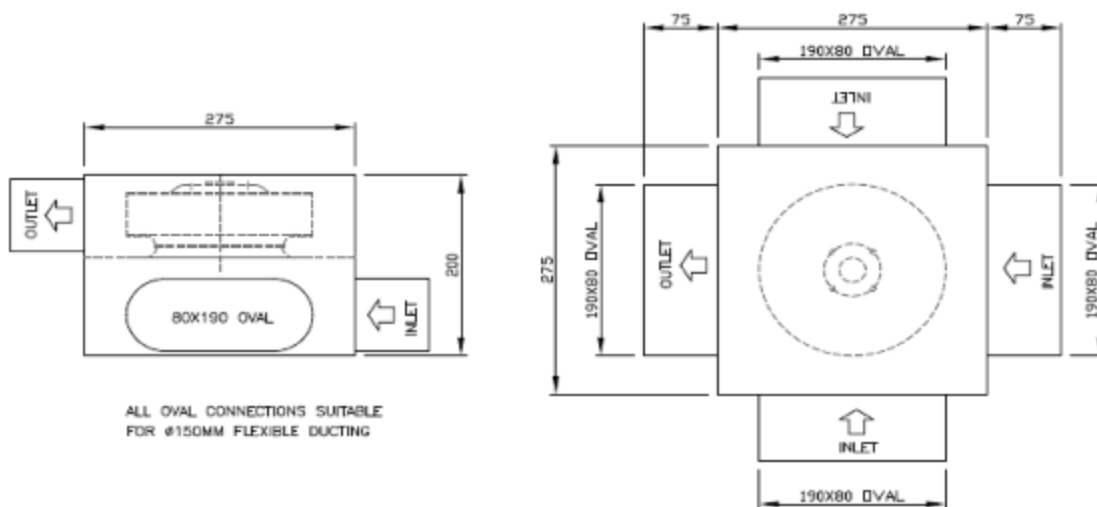
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.05 Kw
Power Supply 230V/1PH/50Hz
Speed 1440
FLC 0.25 A
Capacitor 2 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanised Steel
Weight 2.5 Kg
Max. Temp 50 °C

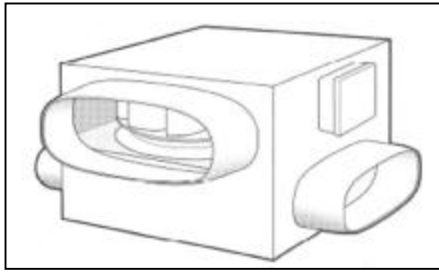


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1440	80	0.05	230	54	52	51	46	46	43	33	26	32
1241	60	0.03	200	50	48	48	43	42	40	29	22	29
1067	44	0.02	170	47	45	44	40	39	37	26	19	25
847	28	0.01	130	42	40	39	35	34	32	21	14	20
720	20	0.01	110	38	37	36	31	30	28	18	11	17



Ceiling Fan Box

CFB-2021



Impeller

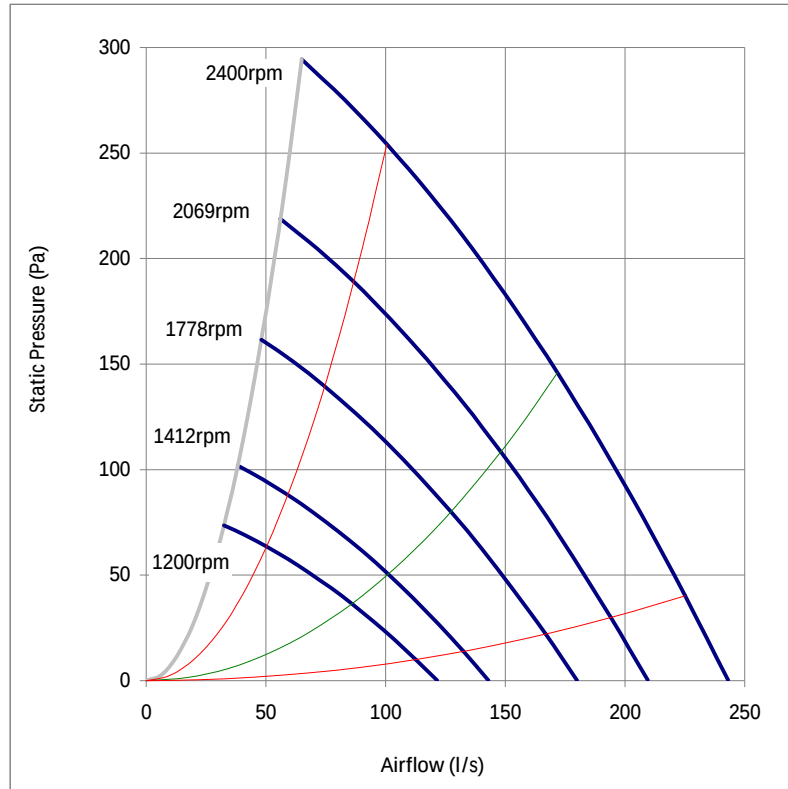
Size 200 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

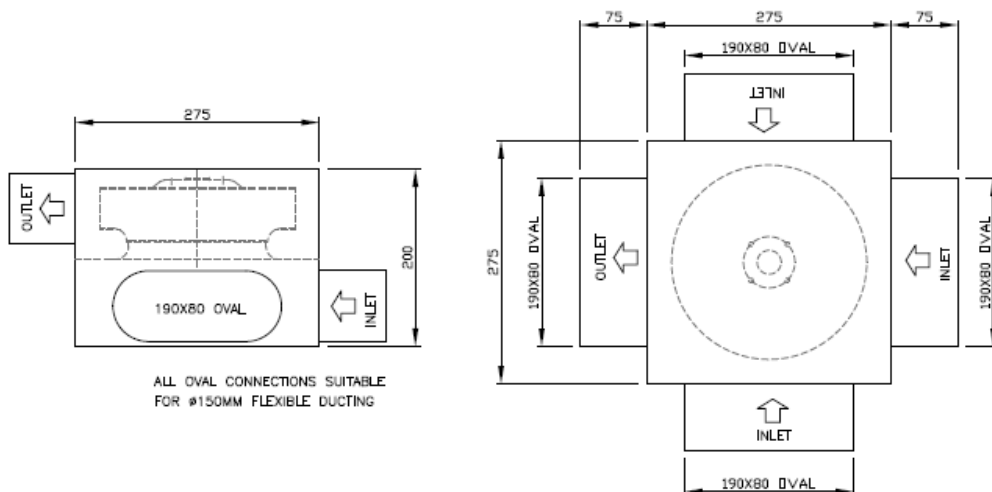
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.10 Kw
Power Supply 230V/1PH/50Hz
Speed 2400
FLC 0.43 A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanised Steel
Weight 4 Kg
Max. Temp 50 °C

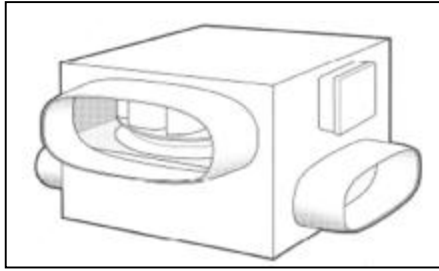


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2400	294	0.10	230	63	70	66	67	65	58	59	50	50
2069	219	0.06	200	59	67	63	64	62	54	56	46	47
1778	162	0.04	170	56	64	60	60	59	51	52	43	43
1412	102	0.02	130	51	59	55	55	54	46	47	38	38
1200	74	0.01	110	48	55	51	52	50	42	44	35	35



Ceiling Fan Box

CFB-2041



Impeller

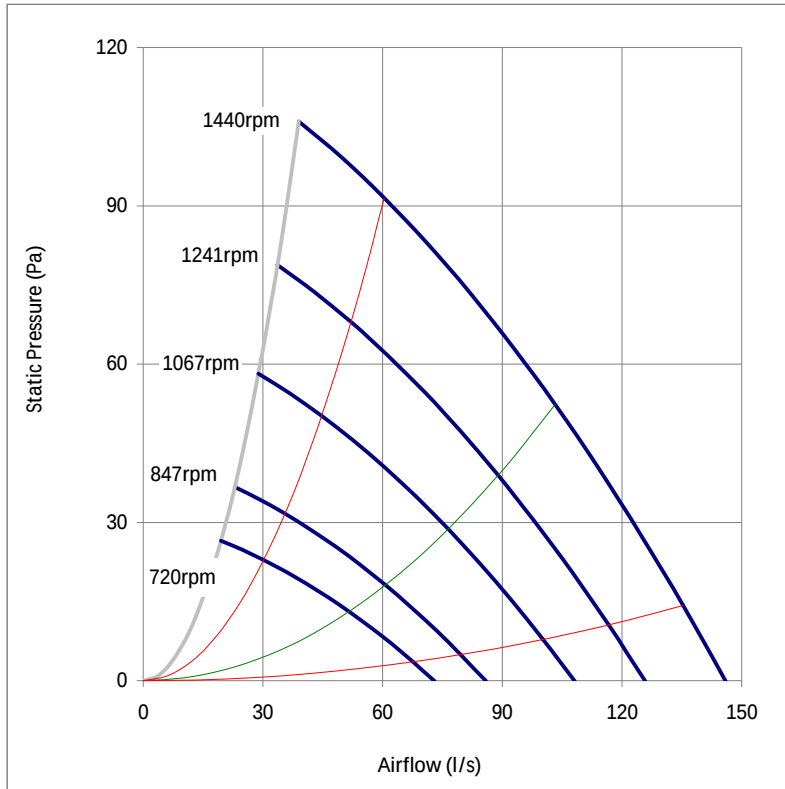
Size 200 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

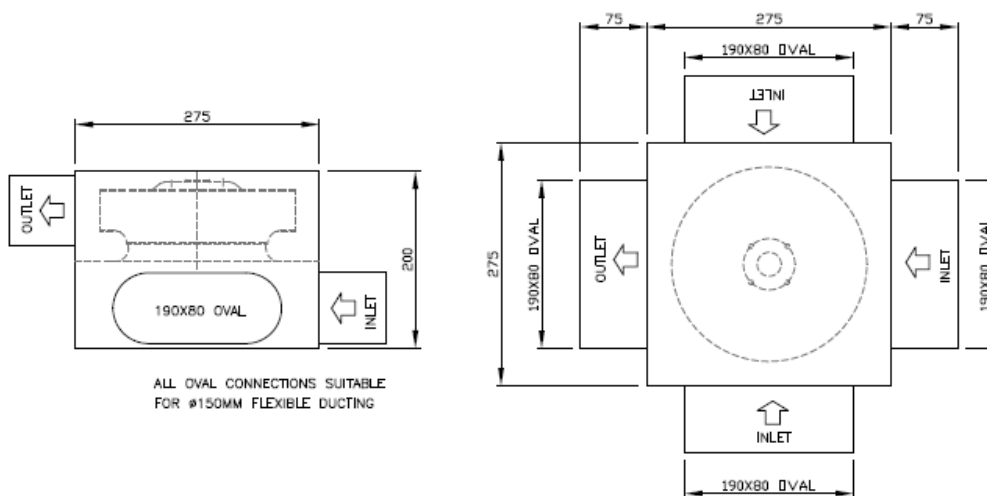
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.08 Kw
Power Supply 230V/1PH/50Hz
Speed 1440
FLC 0.37 A
Capacitor 2.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanised Steel
Weight 4 Kg
Max. Temp 50 °C

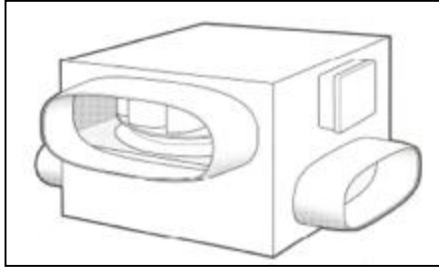


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1440	106	0.08	230	56	61	53	51	49	43	35	29	37
1241	79	0.05	200	52	57	50	47	45	39	31	26	34
1067	58	0.03	170	49	54	47	44	42	36	28	23	30
847	37	0.02	130	44	49	42	39	37	31	23	18	25
720	27	0.01	110	40	45	38	36	34	28	20	14	22



Ceiling Fan Box

CFB-2321



Impeller

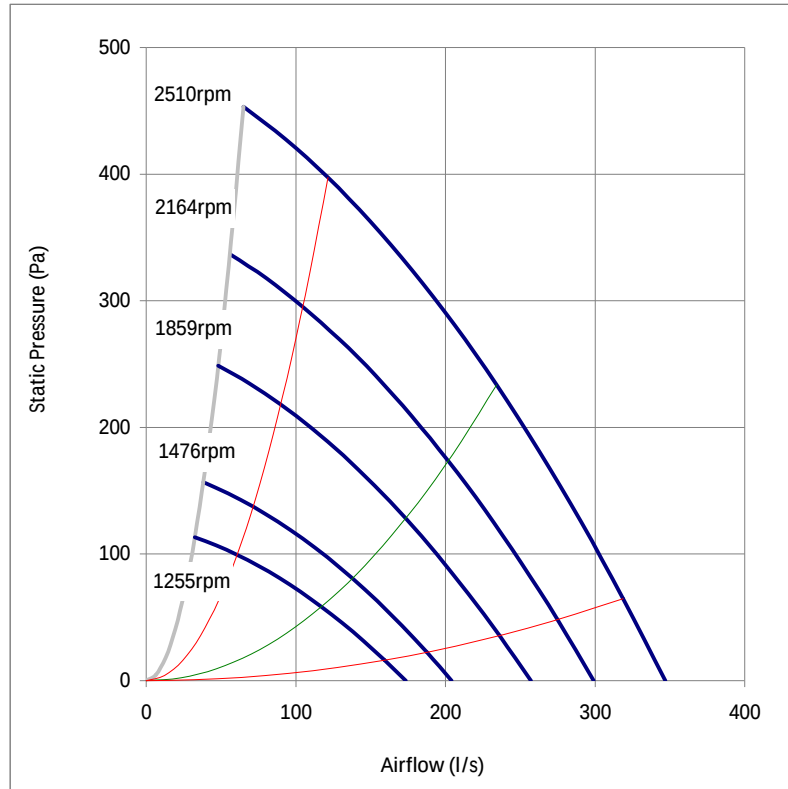
Size 230 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

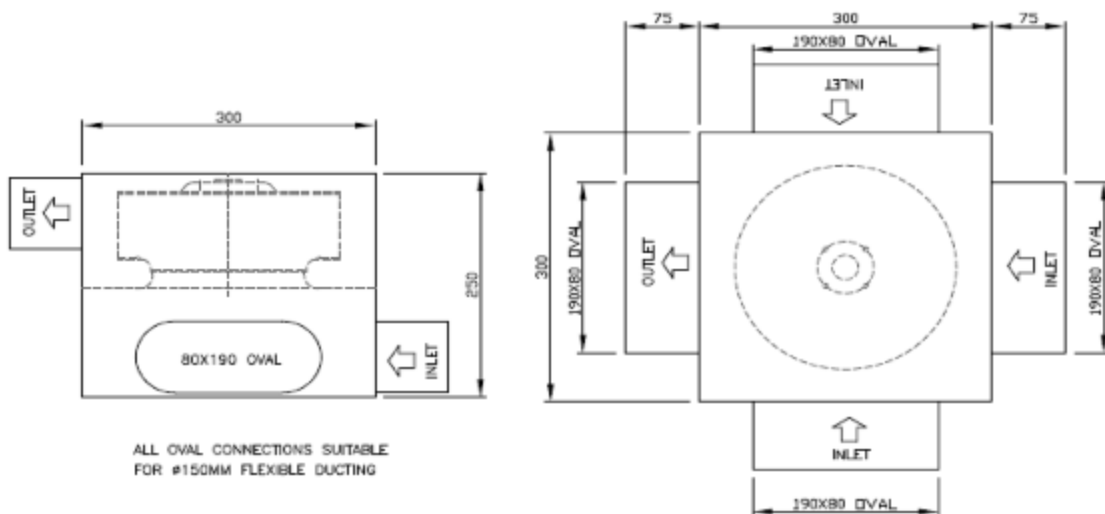
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.16 Kw
Power Supply 230V/1PH/50Hz
Speed 2510 rpm
FLC 1.45 A
Capacitor 4 µF
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanised Steel
Weight 5.5 Kg
Max. Temp 50 °C

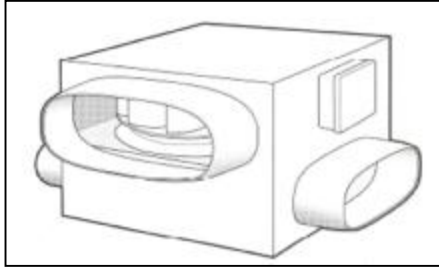


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2510	453	0.16	230	63	70	65	64	64	60	59	57	51
2164	337	0.10	200	59	67	62	61	61	57	56	54	48
1859	249	0.07	170	56	64	58	57	57	53	52	50	44
1476	157	0.03	130	51	59	53	52	52	48	47	45	39
1255	113	0.02	110	48	55	50	49	49	45	44	42	36



Ceiling Fan Box

CFB-2341



Impeller

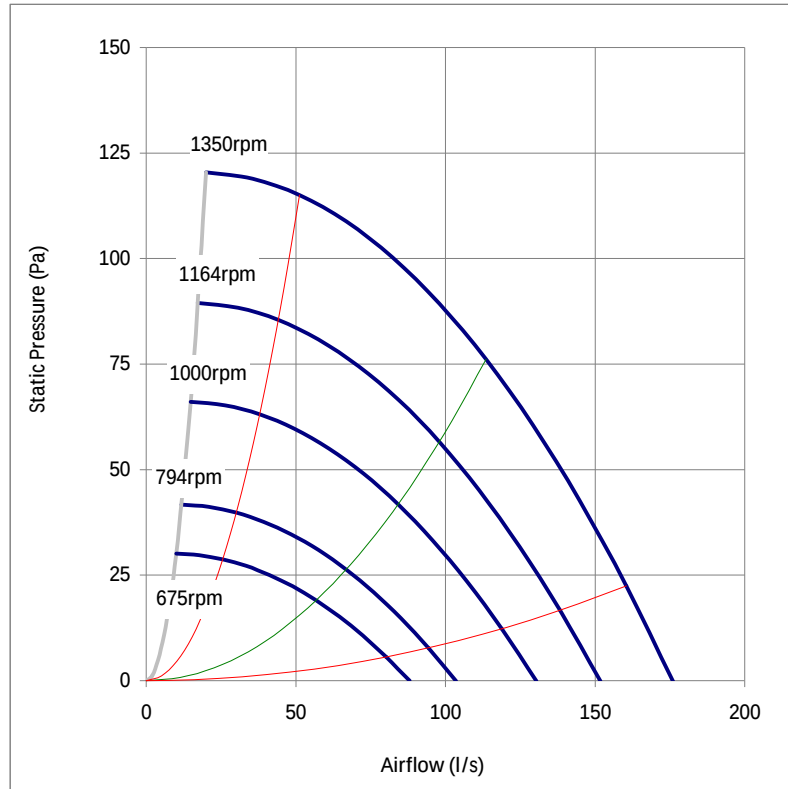
Size 230 mm
Type Backward Arefoil Curve
Material Steel
Motor finish Powder Coating RAL7032

Motor

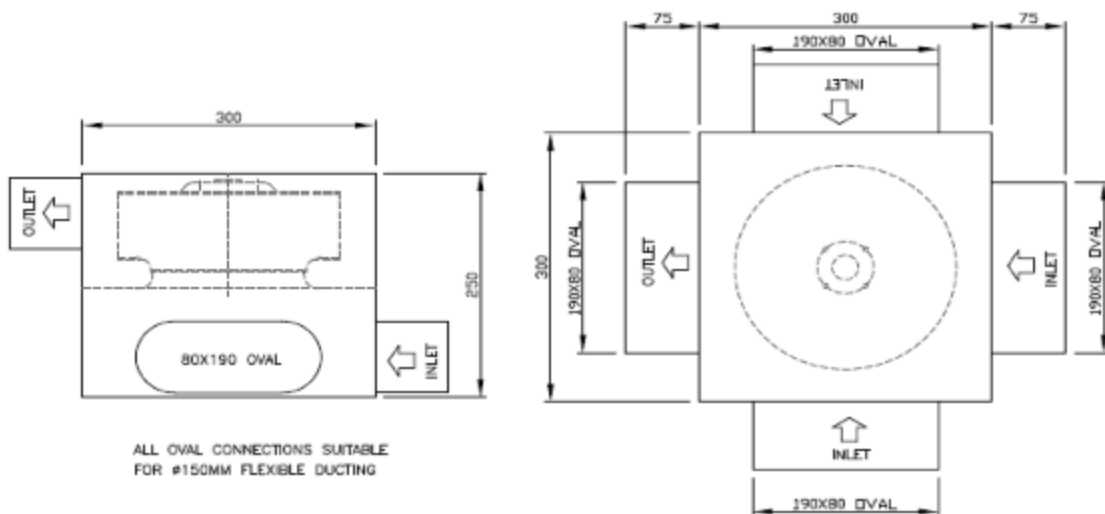
Type External Rotor
IP Rating 44
Insulation Class 155
Power 0.04 Kw
Power Supply 230V/1PH/50Hz
Speed 1350 rpm
FLC 0.37 A
Capacitor 1.5 μ F
Control RE1.5, 5 Step Controller
Protection Thermal Contacts

Fan

Case Galvanised Steel
Weight 5.5 Kg
Max. Temp 50 °C



Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Motor Running Voltage (V)	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1350	120	0.04	230	50	58	52	51	51	47	46	44	38
1164	90	0.03	200	47	55	49	48	48	44	43	41	35
1000	66	0.02	170	43	51	45	44	44	40	39	37	31
794	42	0.01	130	38	46	40	39	39	35	34	32	26
675	30	0.01	110	35	43	37	36	36	32	31	29	23



Roof Cowls

- Roof Mounted
- Vertical Discharge or
- Down Flow

SPECIFICATION

Sizes

150,200, 250, 330, 400, 500, 630, 800, 1000mm diameter

Cowls

Cowl are moulded in ultra violet stabilised polyester resin, glass reinforced, rendered fire retardant to BS 476: part 7, class 2. Standard colour to BS4800:08B-21. Other colour available on request.

Rovel Cowls

The weather cap and base are moulded in Rovel UV stabilised, high impact strength , colour fast polymer, giving a robust while lightweight unit.

Wind band

The Windband of vertical discharge cowls are made of galvanised metal suited to mildly aggressive environments.

Shutters

Shutters are aluminium and fitted as standard, being lifted by discharged air velocity and closed by gravity. Synthetic rubber buffers are provided to ensure quite operation.

Woods DSPCO Roof Cowls



Roof Mount Relief Cowl

MVCO150



Size: 200

Cowl

Material: Rovel UV Stabilised
Type: Down Flow

Base

Material: Rovel UV Stabilised

Bracket

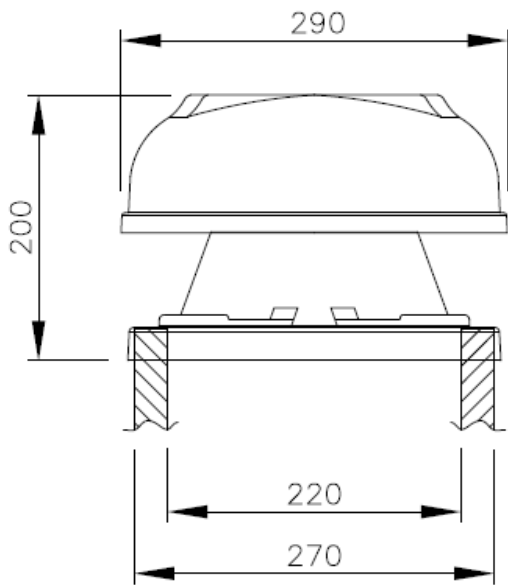
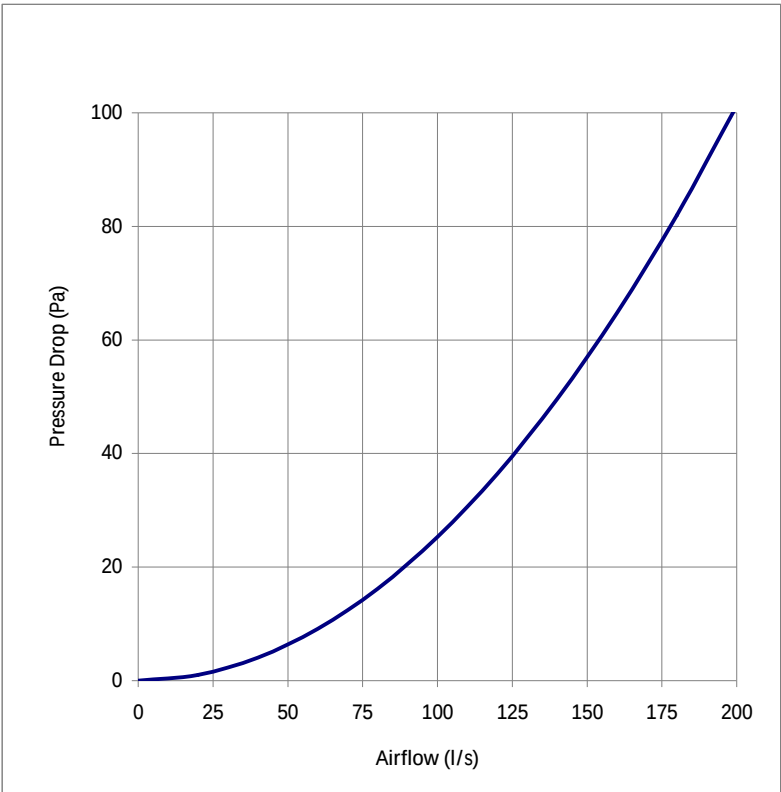
Material: Galvanised Steel

Fitting

Material: Galvanised Steel

Bird guard

Material: Plastic



Roof Mount Relief Cowl

DSMRCO200



Size: 200

Cowl

Material Rovel UV Stabilised
Type Down Flow

Base

Material Rovel UV Stabilised

Bracket

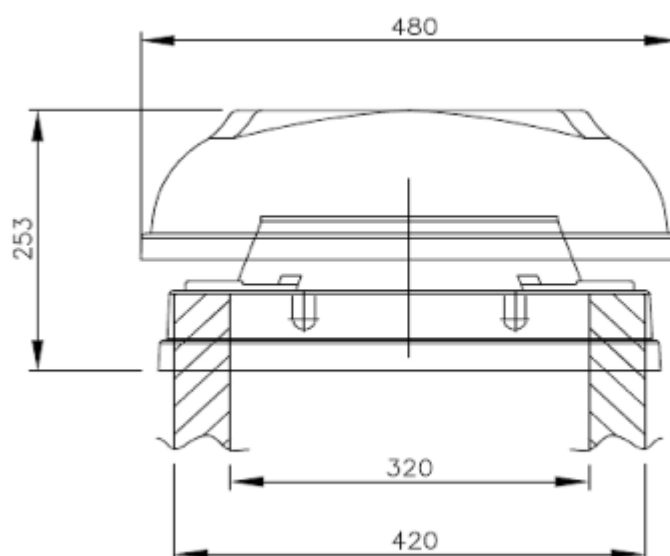
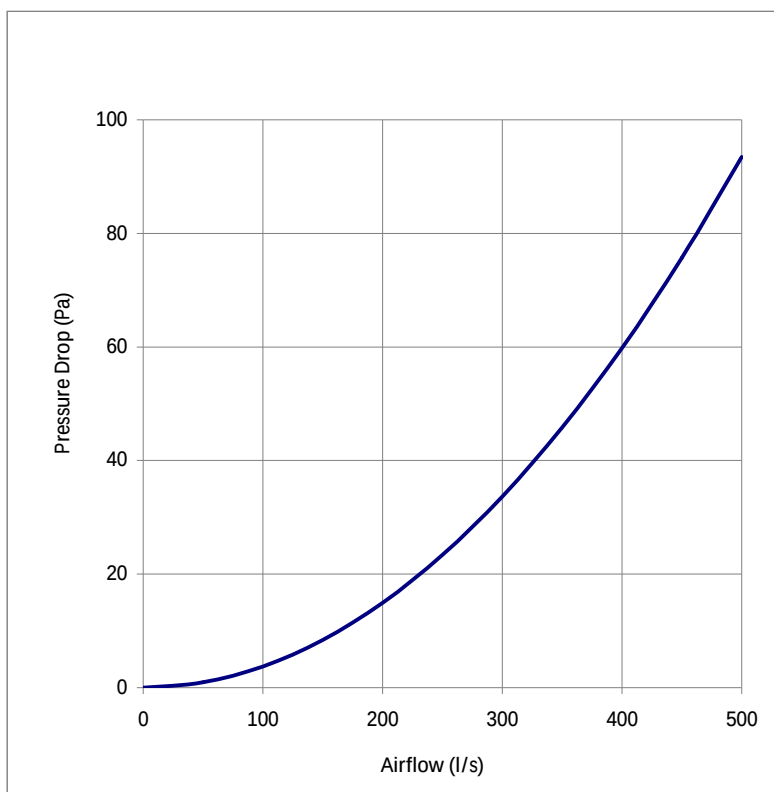
Material Galvanised Steel

Fitting

Material Galvanised Steel

Bird guard

Material Plastic

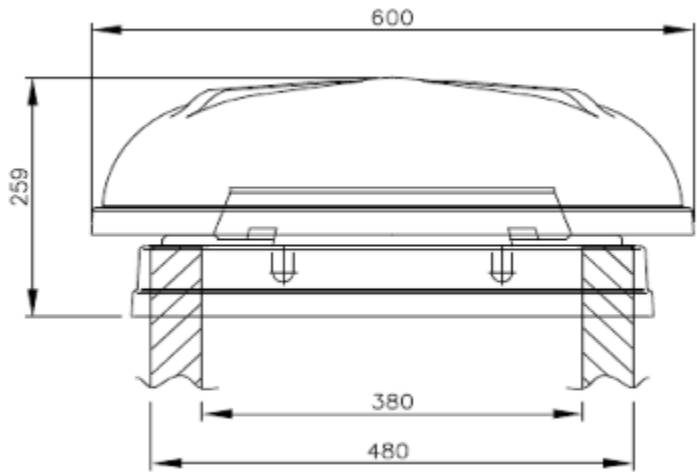
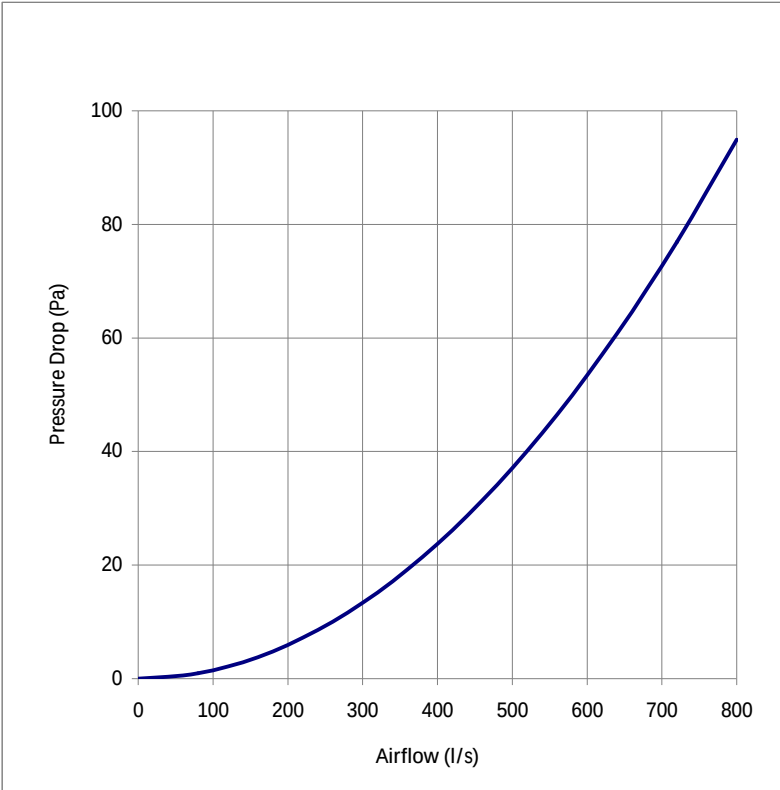


Roof Mount Relief Cowl

DSMRCO250



Size:	250
Cowl	
Material	Rovel UV Stabilised
Type	Down Flow
Base	
Material	Rovel UV Stabilised
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Bird guard	
Material	Plastic



Roof Mount Relief Cowl

DSMRCO330



Size: 330

Cowl

Material Rovel UV Stabilised
Type Down Flow

Base

Material Rovel UV Stabilised

Bracket

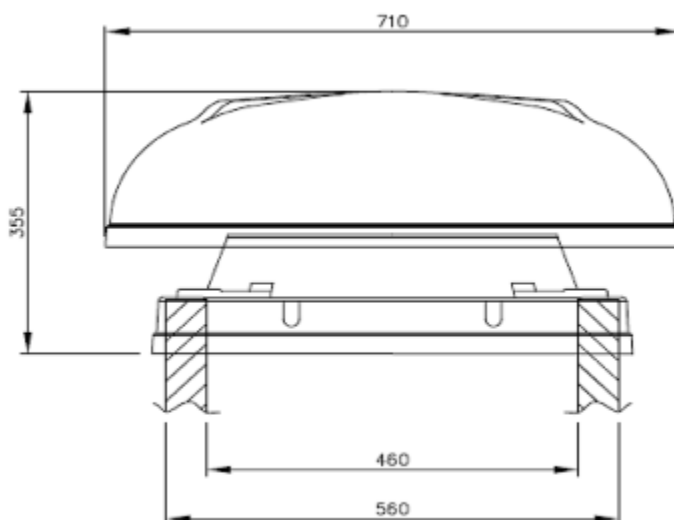
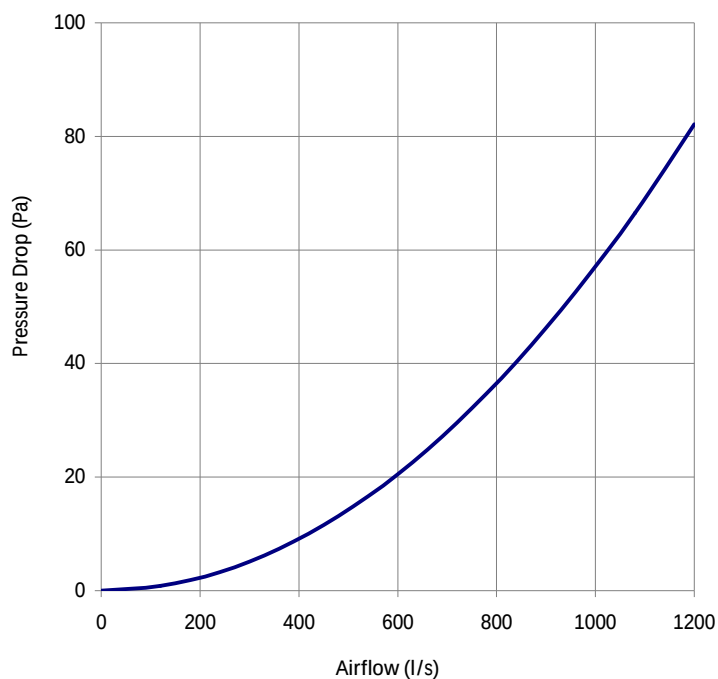
Material Galvanised Steel

Fitting

Material Galvanised Steel

Bird guard

Material Plastic



Roof Mount Relief Cowl

DSMRCO400



Size: 400

Cowl

Material Rovel UV Stabilised
Type Down Flow

Base

Material Rovel UV Stabilised

Bracket

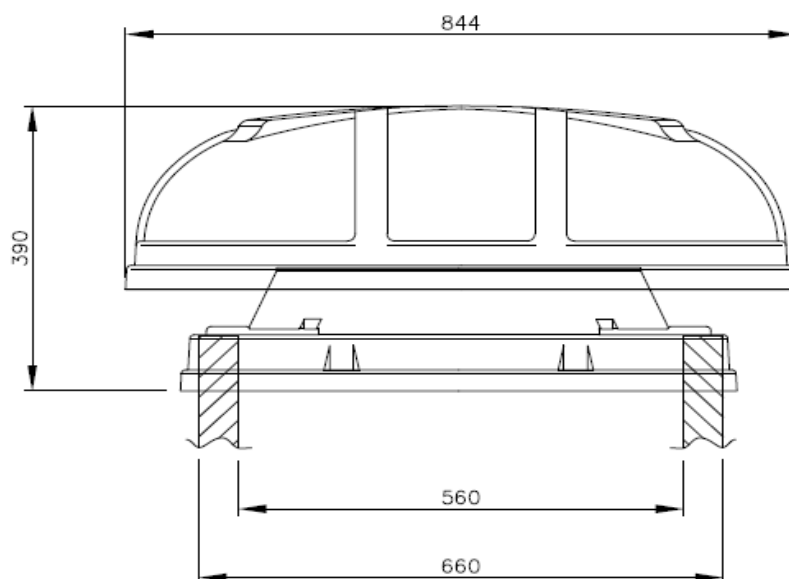
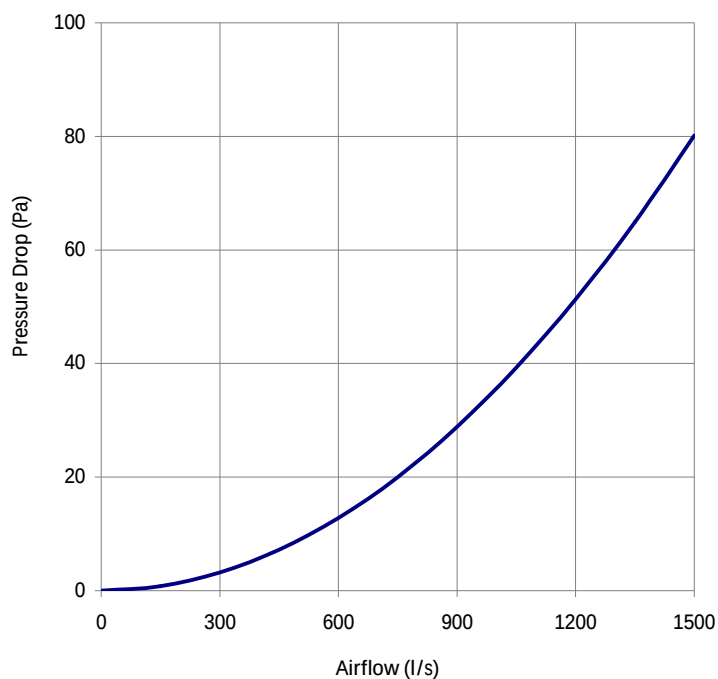
Material Galvanised Steel

Fitting

Material Galvanised Steel

Bird guard

Material Plastic

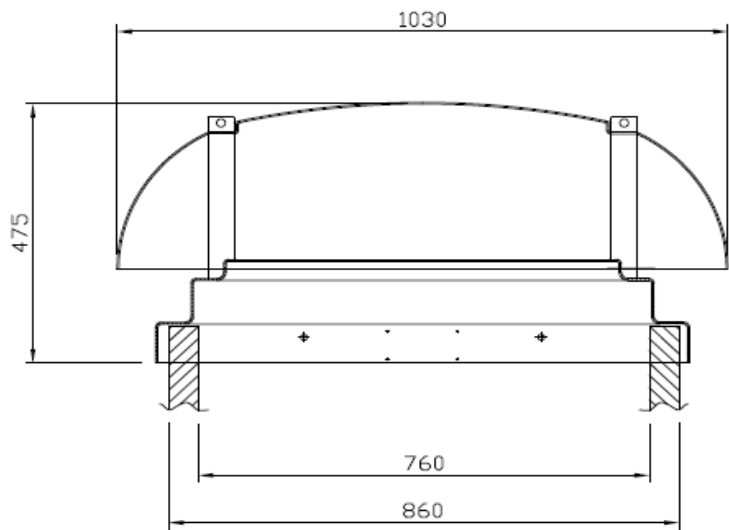
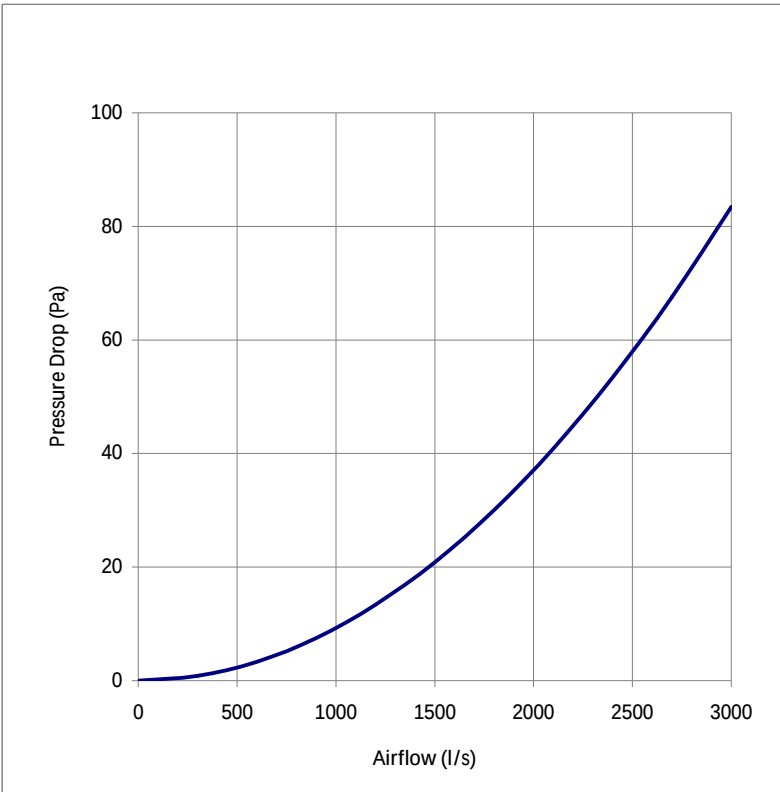


Roof Mount Relief Cowl

DSPCO630



Size:	630
Cowl	
Material	Fibreglass UV Stabilised
Type	Down Flow
Base	
Material	Fibreglass UV Stabilised
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Bird guard	
Material	Plastic

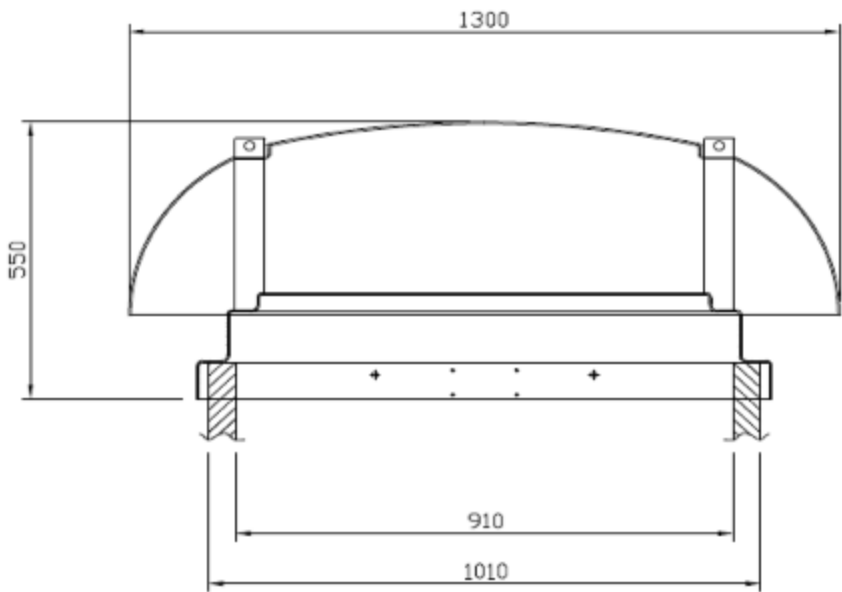
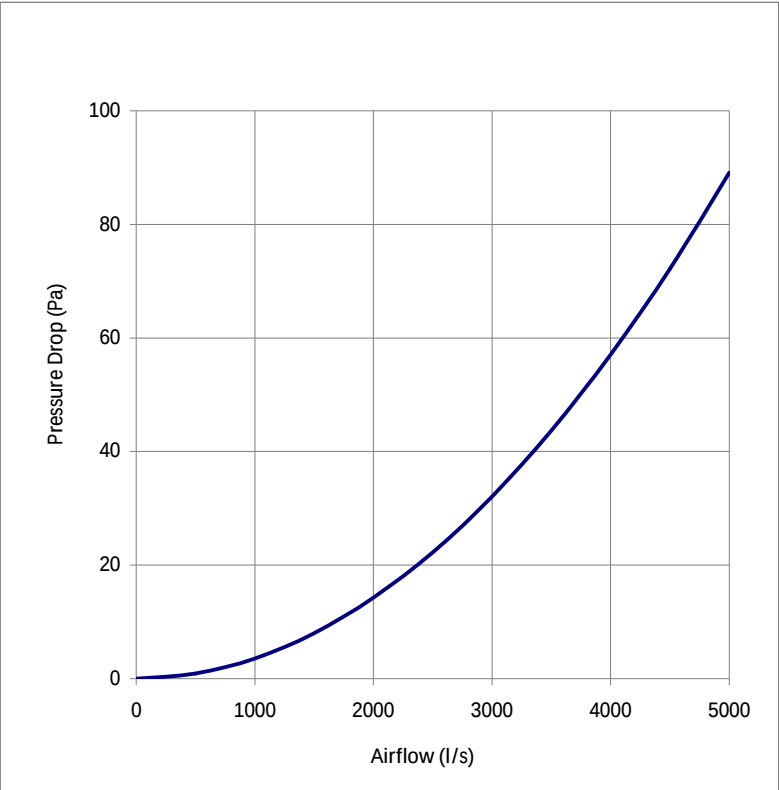


Roof Mount Relief Cowl

DSPCO800



Size:	800
Cowl	
Material	Fibreglass UV Stabilised
Type	Down Flow
Base	
Material	Fibreglass UV Stabilised
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Bird guard	
Material	Plastic

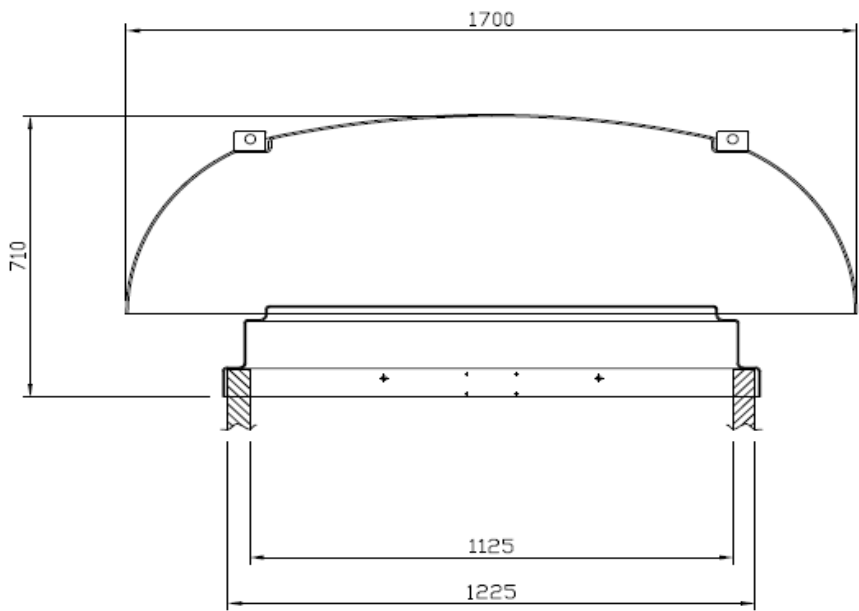
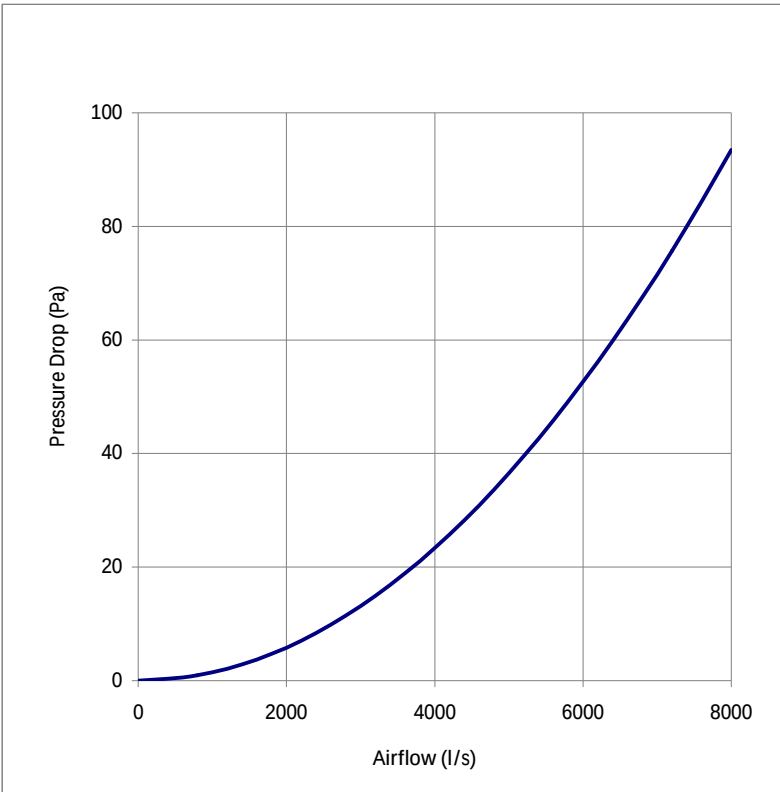


Roof Mount Relief Cowl

DSPCO1000



Size:	1000
Cowl	
Material	Fibreglass UV Stabilised
Type	Down Flow
Base	
Material	Fibreglass UV Stabilised
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Bird guard	
Material	Plastic



Roof Mount Relief Cowl

DVCO250



Size: 250

Cowl

Material Aluminium
Type Vertical Discharge

Base

Material Rovel UV Stabilised

Bracket

Material Galvanised Steel

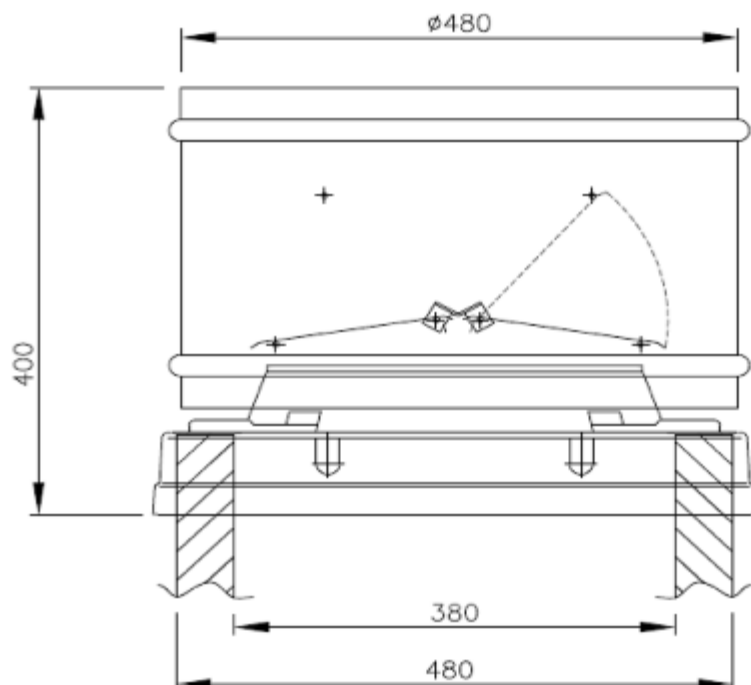
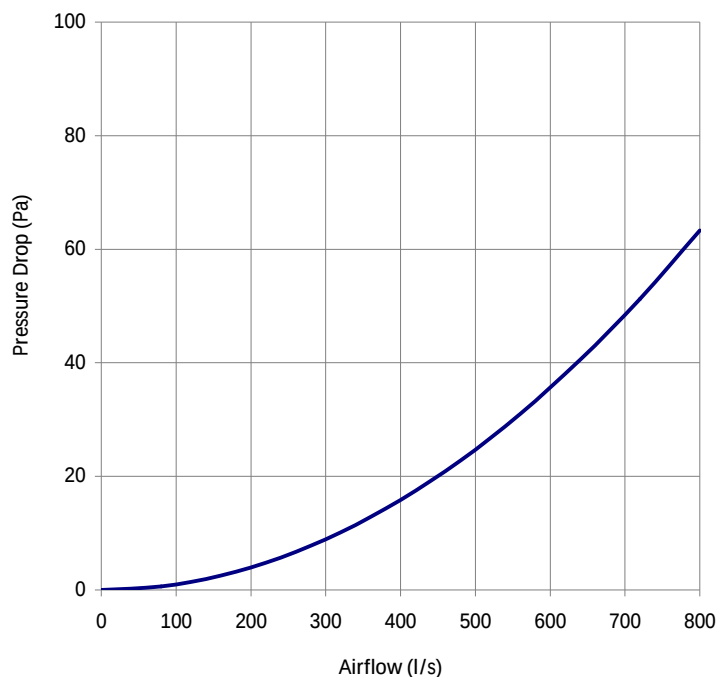
Fitting

Material Stainless Steel

Shutters

Material Aluminium

Weight 12kg

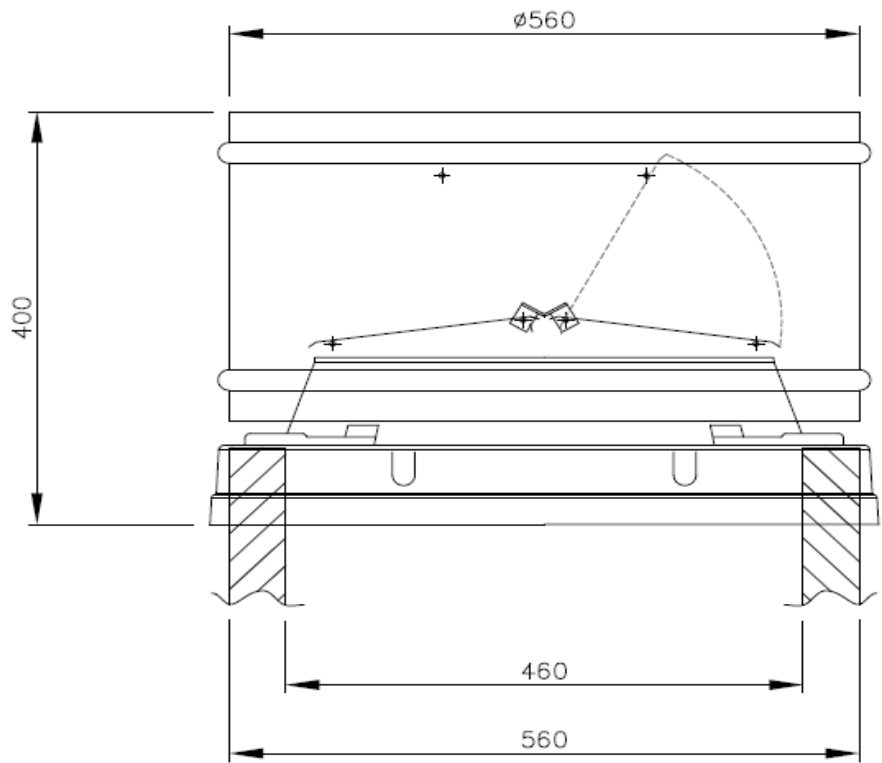
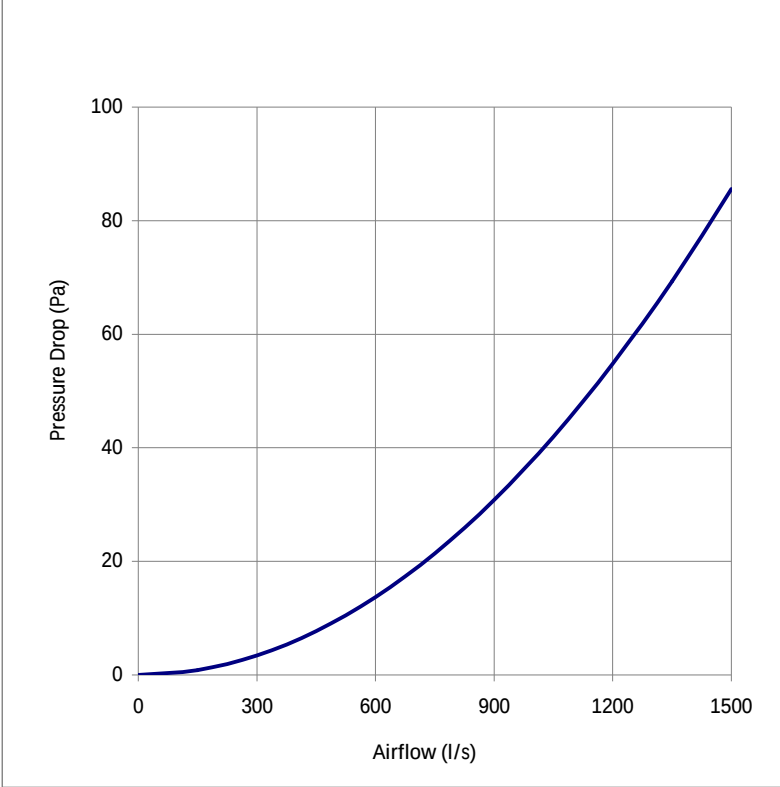


Roof Mount Relief Cowl

DVCO330

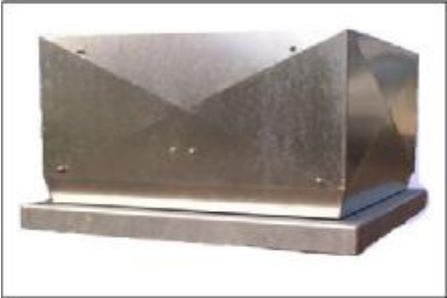


Size:	330
Cowl	
Material	Alluminium
Type	Vertical Discharge
Base	
Material	Rovel UV Stabilised
Bracket	
Material	Galvanised Steel
Fitting	
Material	Stainless Steel
Shutters	
Material	Alluminium
Weight	23kg

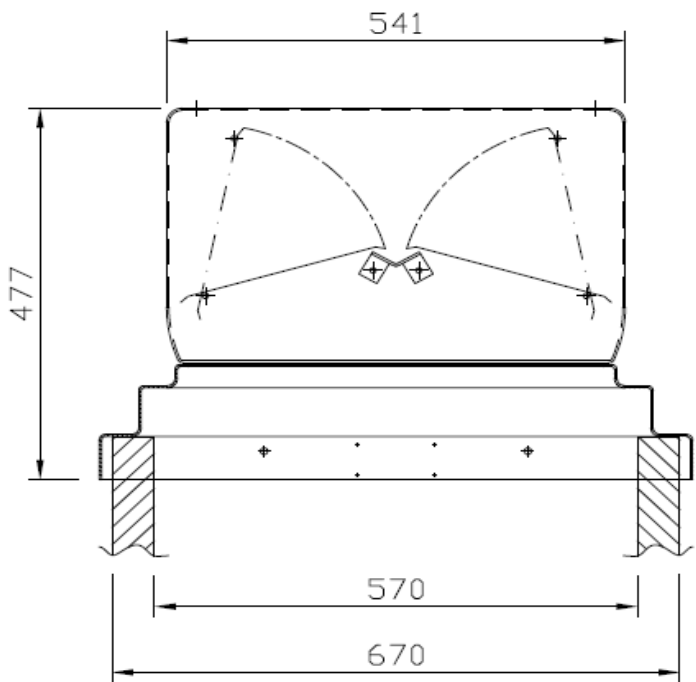
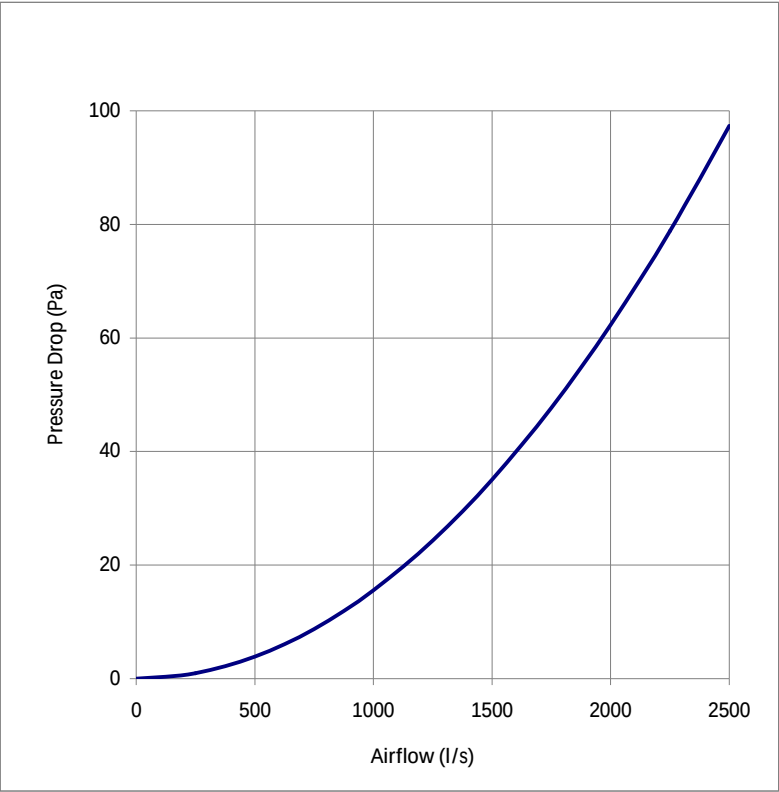


Roof Mount Vertical Discharge Cowl

DVPGCO450

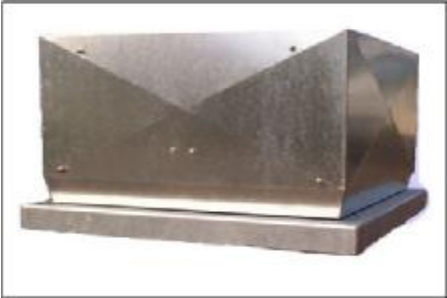


Size:	450
Cowl	
Material	Galvanised Metal
Type	Vertical Discharge
Base	
Material	Rovel UV Stabilised/ Galvanised Metal
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Shutters	
Material	Galvanised Metal/Aluminium

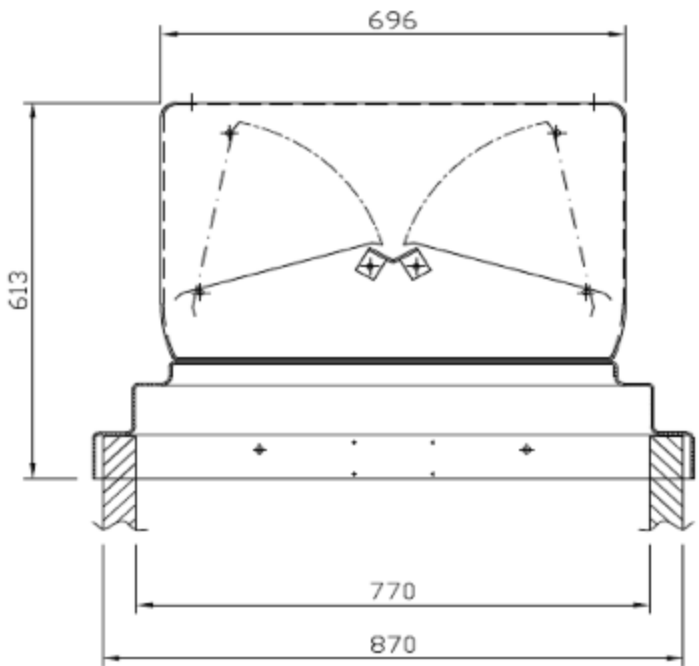
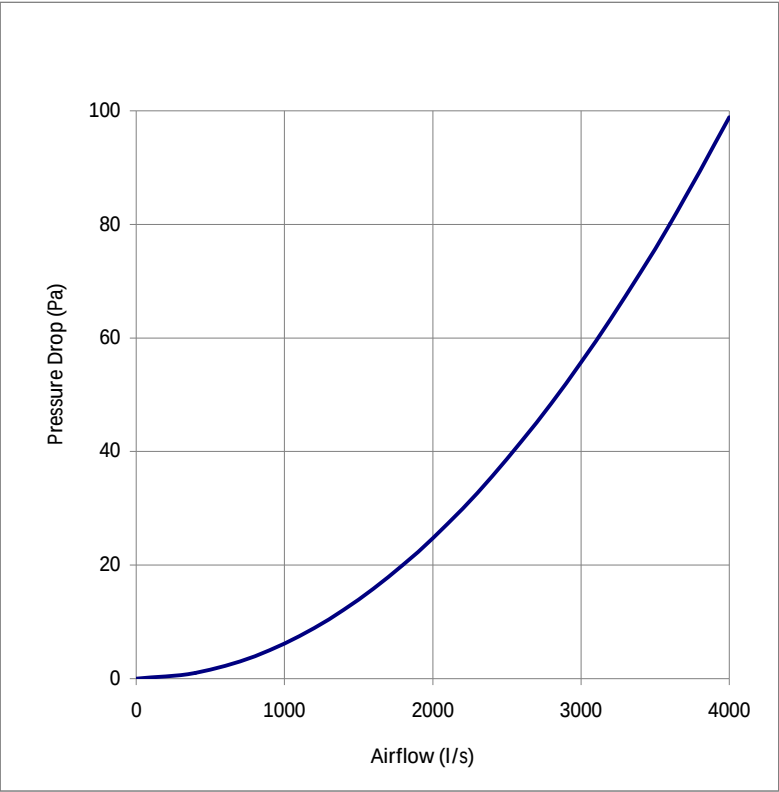


Roof Mount Vertical Discharge Cowl

DVPGCO630

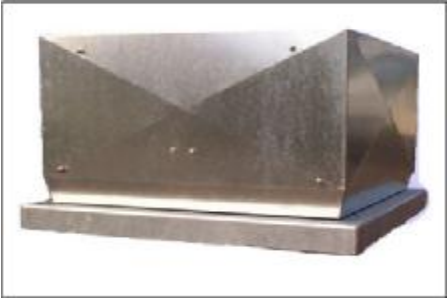


Size:	630
Cowl	
Material	Galvanised Metal
Type	Vertical Discharge
Base	
Material	Rovel UV Stabilised/ Galvanised Metal
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Shutters	
Material	Galvanised Metal/Aluminium

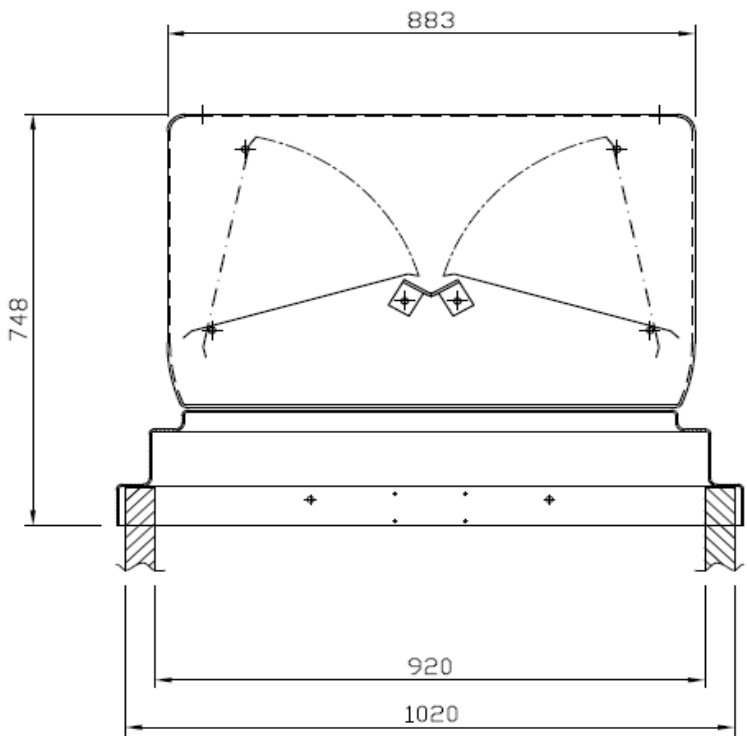
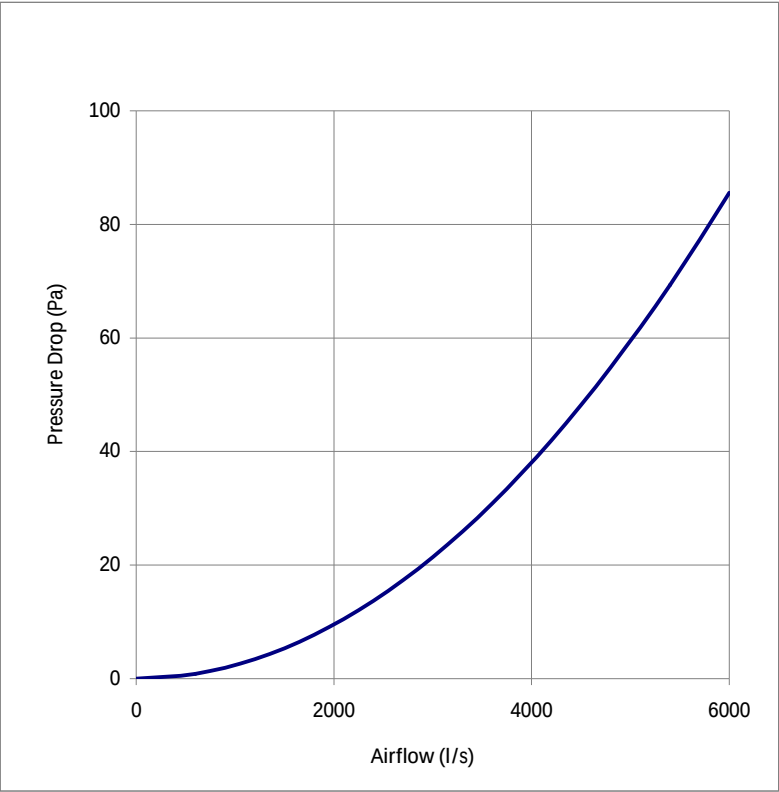


Roof Mount Vertical Discharge Cowl

DVPGCO800

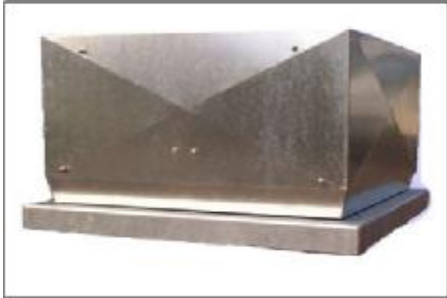


Size:	800
Cowl	
Material	Galvanised Metal
Type	Vertical Discharge
Base	
Material	Rovel UV Stabilised/ Galvanised Metal
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Shutters	
Material	Galvanised Metal/Aluminium

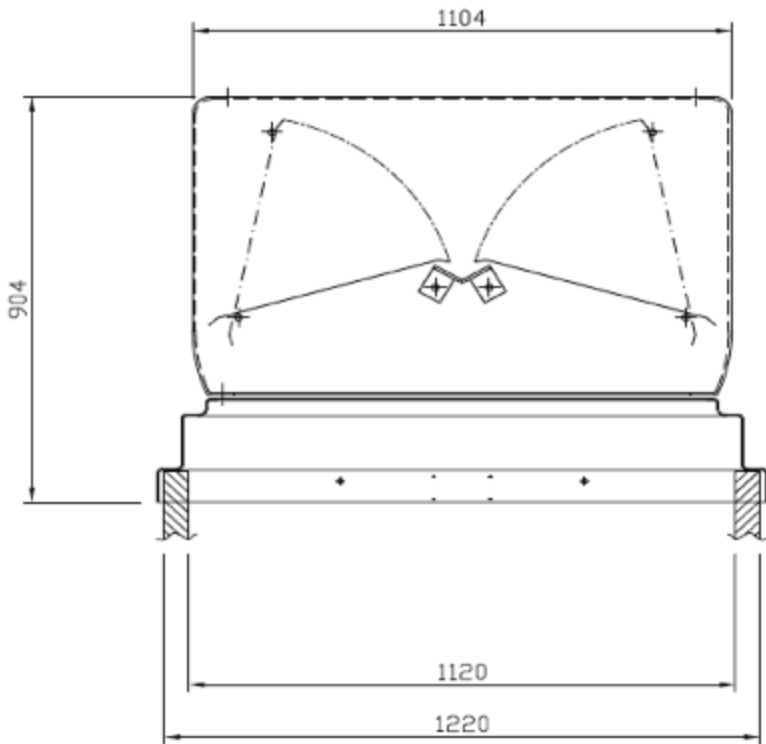
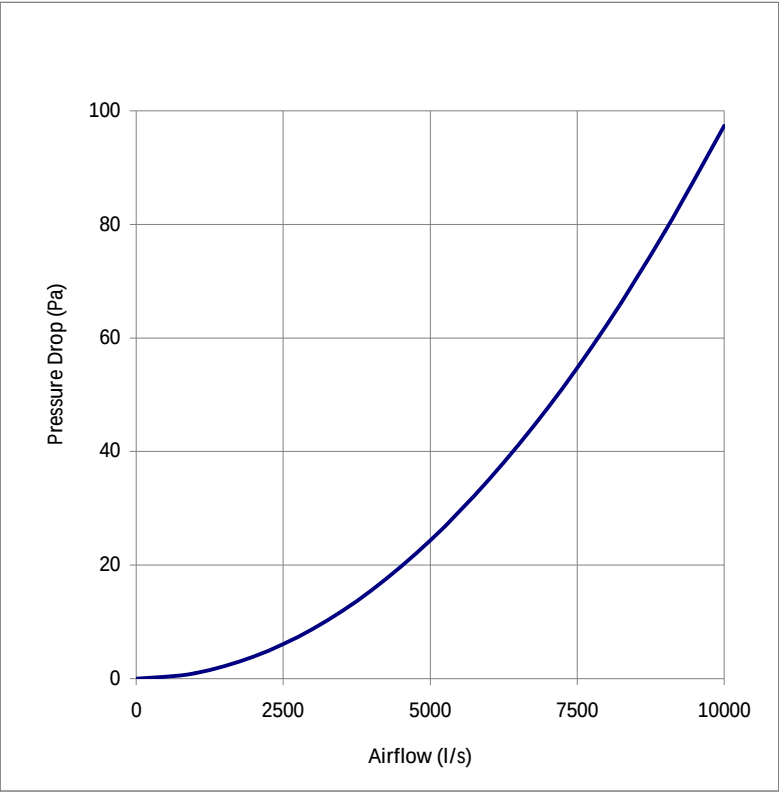


Roof Mount Vertical Discharge Cowl

DVPGCO1000



Size:	1000
Cowl	
Material	Galvanised Metal
Type	Vertical Discharge
Base	
Material	Rovel UV Stabilised/ Galvanised Metal
Bracket	
Material	Galvanised Steel
Fitting	
Material	Galvanised Steel
Shutters	
Material	Galvanised Metal/Aluminium



SPECIFICATION

Sizes

150,200, 250, 330, 400, 500, 630, 800, 1000mm diameter

Cowls

Cowl are moulded in ultra violet stabilised polyester resin, glass reinforced, rendered fire retardant to BS 476: part 7, class 2. Standard colour to BS4800:08B-21. Other colour available on request.

Rovel Cowls

The weather cap and base are moulded in Rovel UV stabilised, high impact strength , colour fast polymer, giving a robust while lightweight unit.

Wind band

The Windband of vertical discharge cowls are made of galvanised metal suited to mildly aggressive environments.

Shutters

Shutters are aluminium and fitted as standard, being lifted by discharged air velocity and closed by gravity. Synthetic rubber buffers are provided to ensure quite operation.

Woods DSPCO Roof Cowls



Contact

Flaktwoods products in New Zealand are represented in nation-wide.
See our web site www.venttech.co.nz for detail

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