



2102

- Wall or Plate Mounted Axial Fan



SPECIFICATION

Sizes

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

2102-3141



Impeller

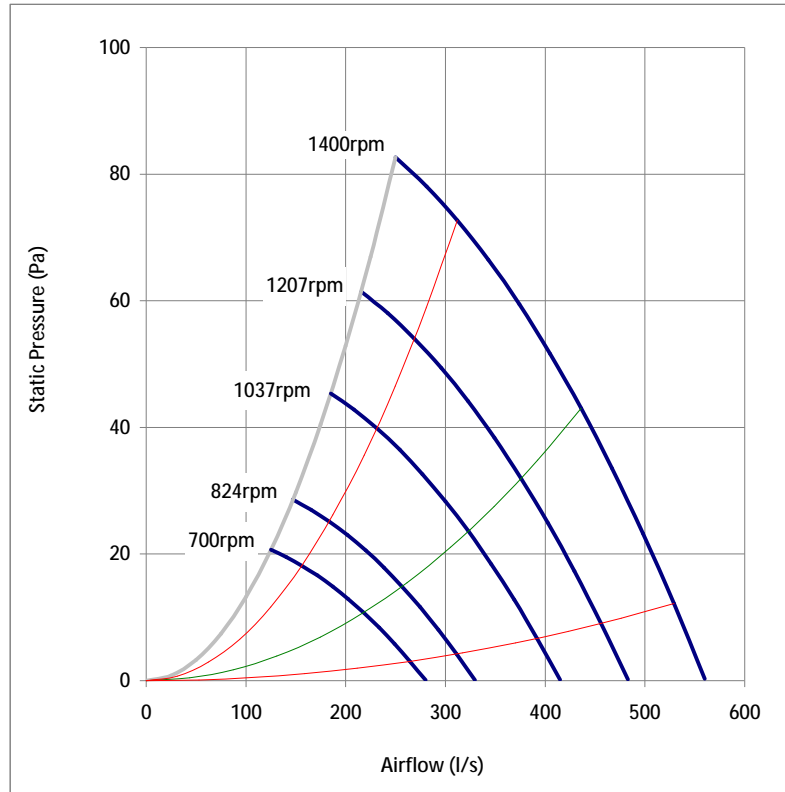
Size 310 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Aluminium

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

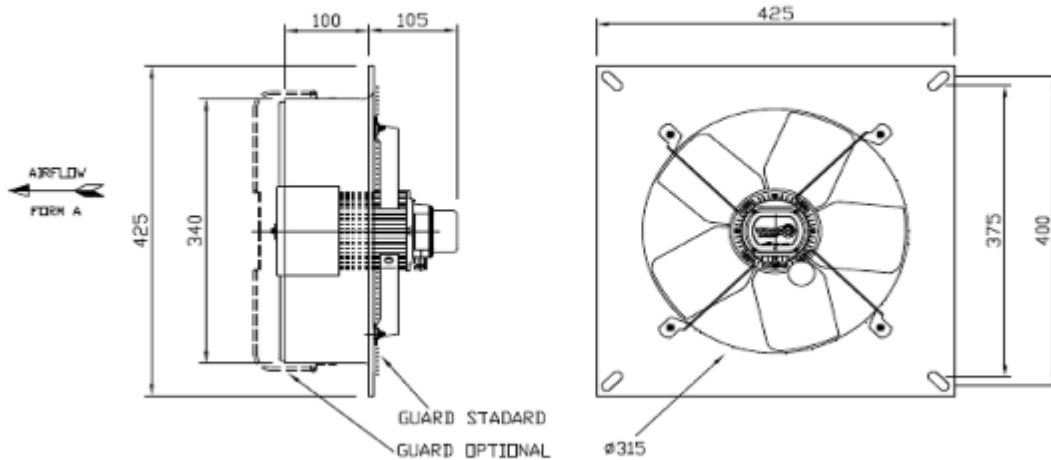


Plate Mounted Axial Fan

2102-3541



Impeller

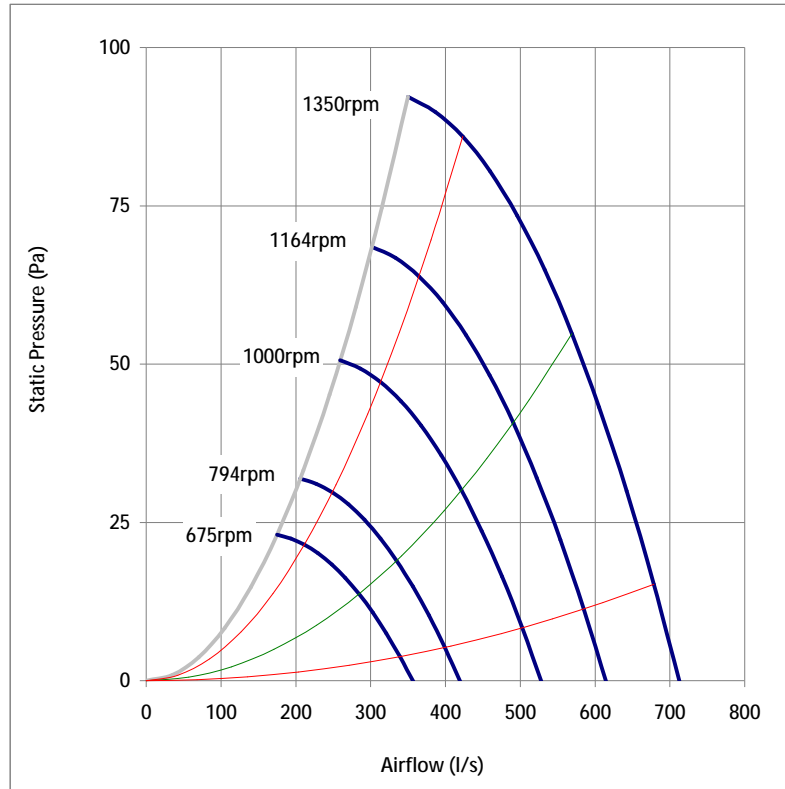
Size 350 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Aluminium

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

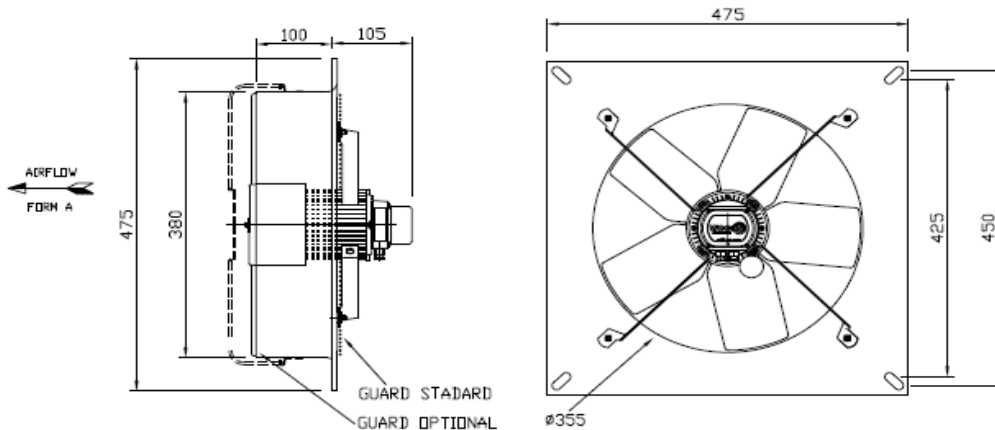


Plate Mounted Axial Fan

2102-4541



Impeller

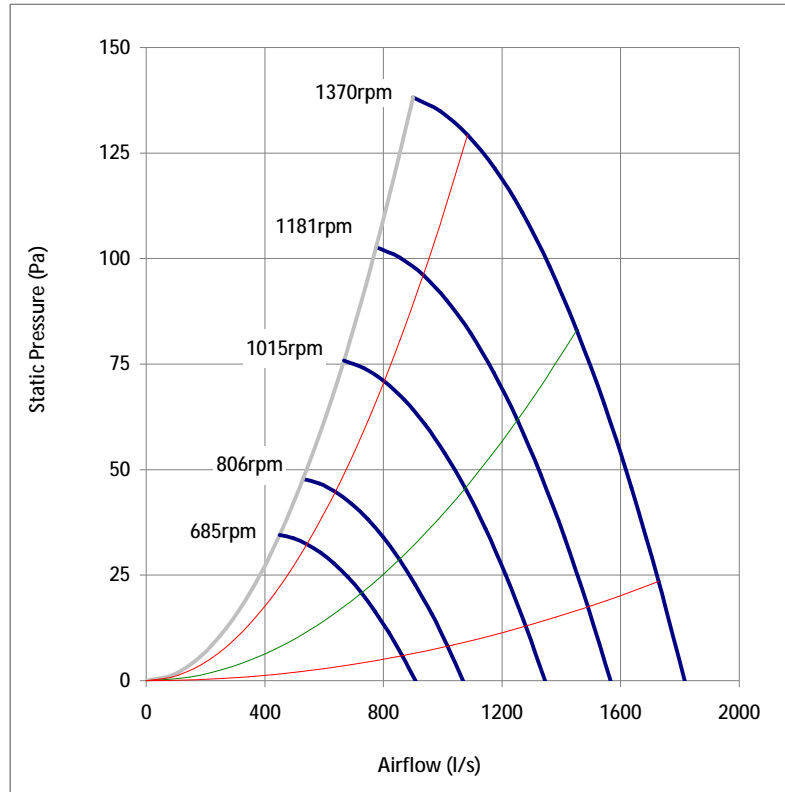
Size 450 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Aluminium

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

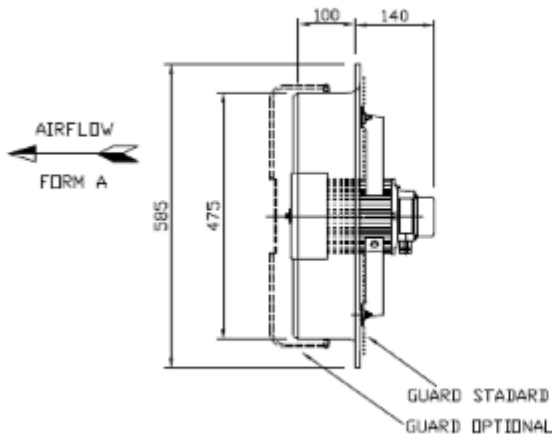


Plate Mounted Axial Fan

2102-4543



Impeller

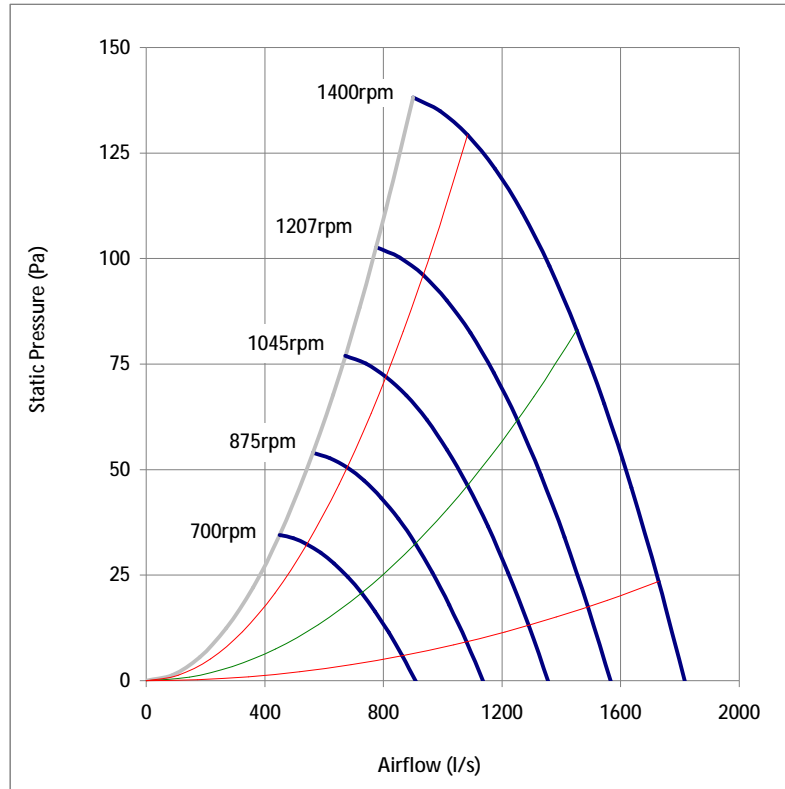
Size 450 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

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

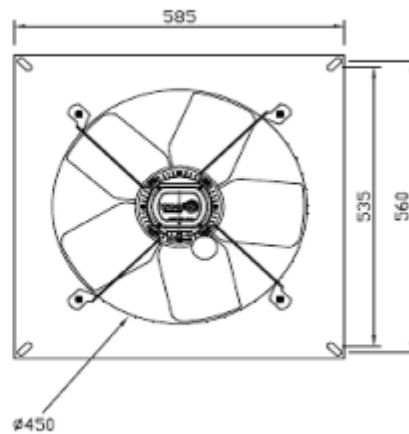
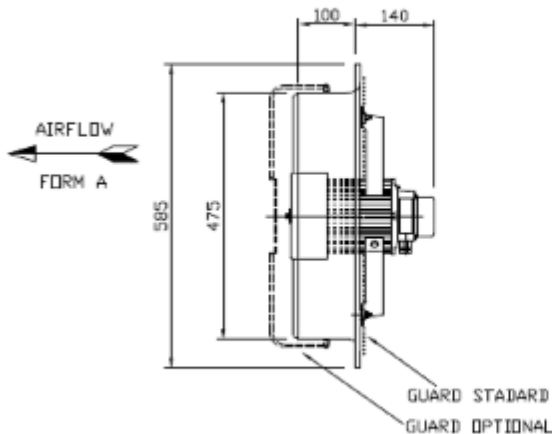


Plate Mounted Axial Fan

2102-4561



Impeller

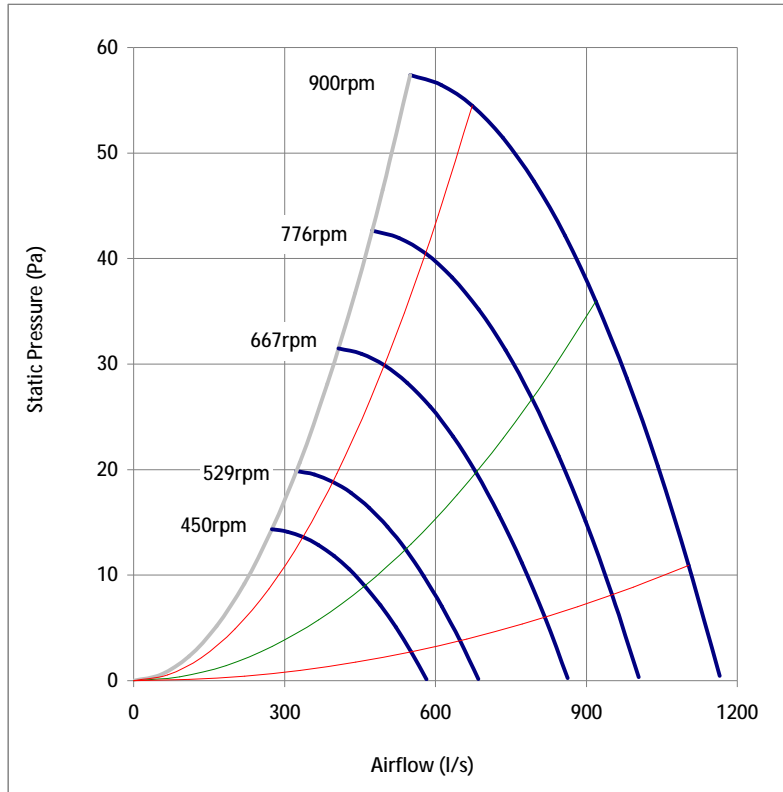
Size 450 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Aluminium

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

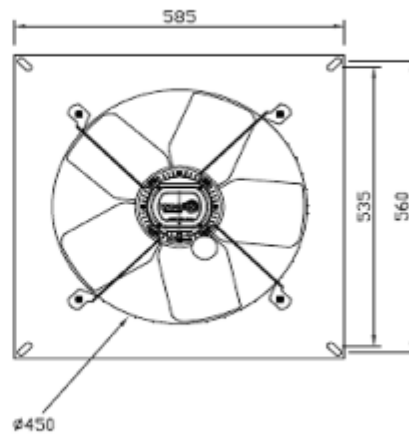
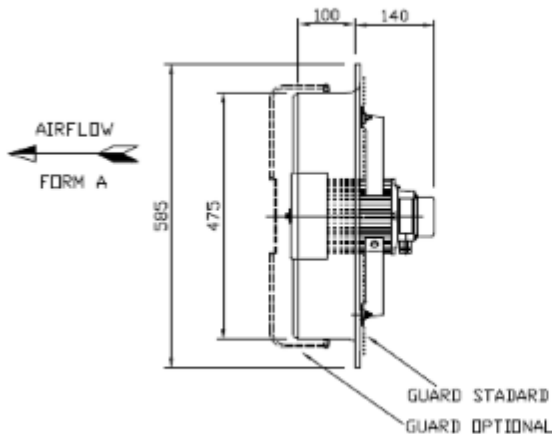


Plate Mounted Axial Fan

2102-4563



Impeller

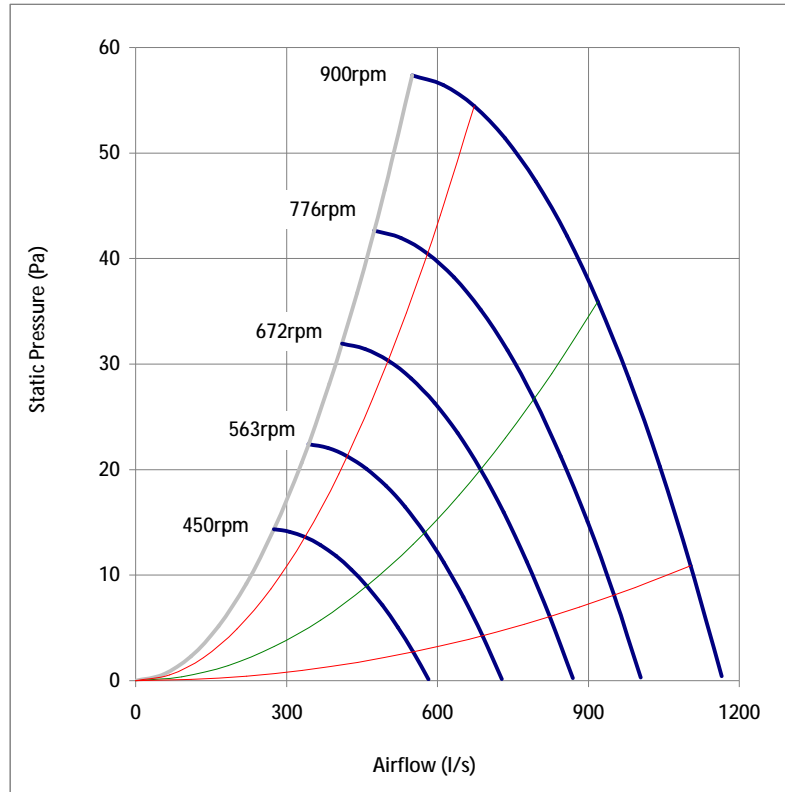
Size 450 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

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

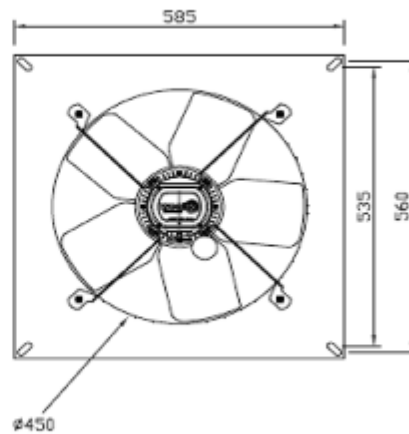
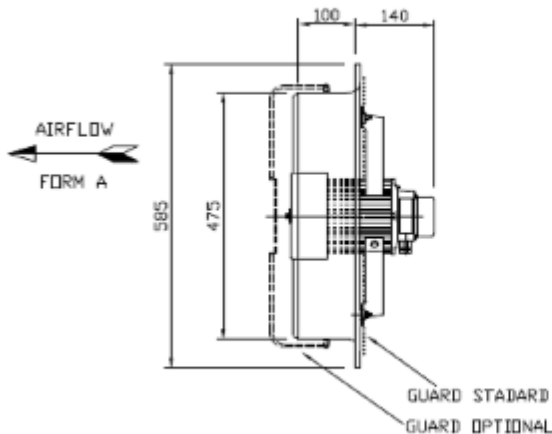


Plate Mounted Axial Fan

2102-6761



Impeller

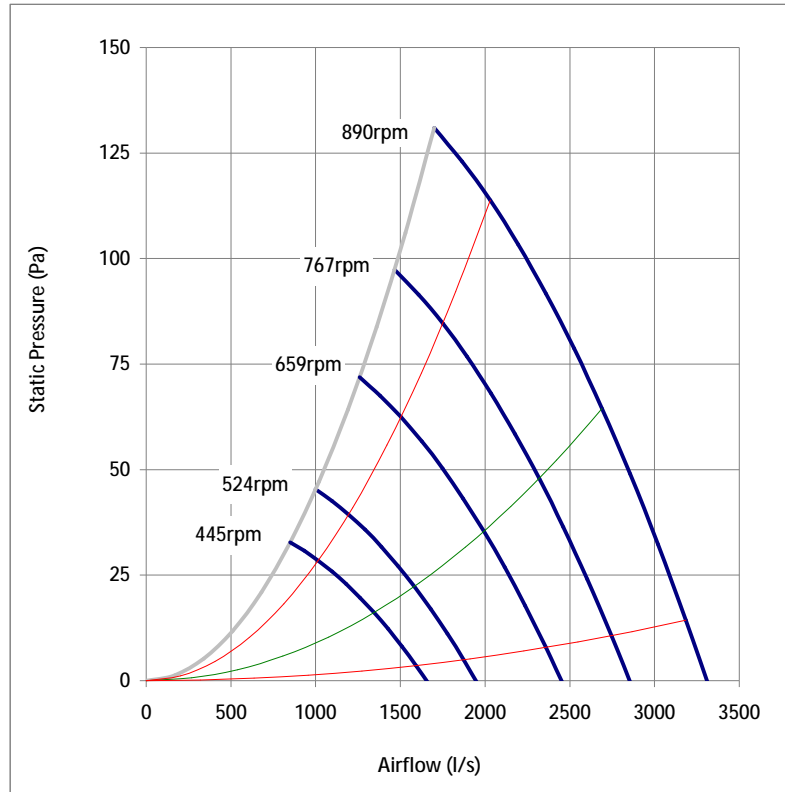
Size 670 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Aluminium

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

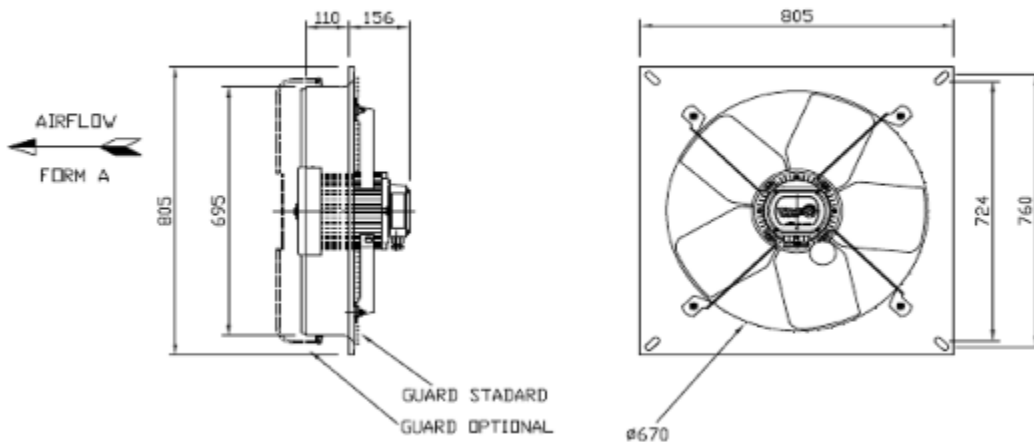


Plate Mounted Axial Fan

2102-6763



Impeller

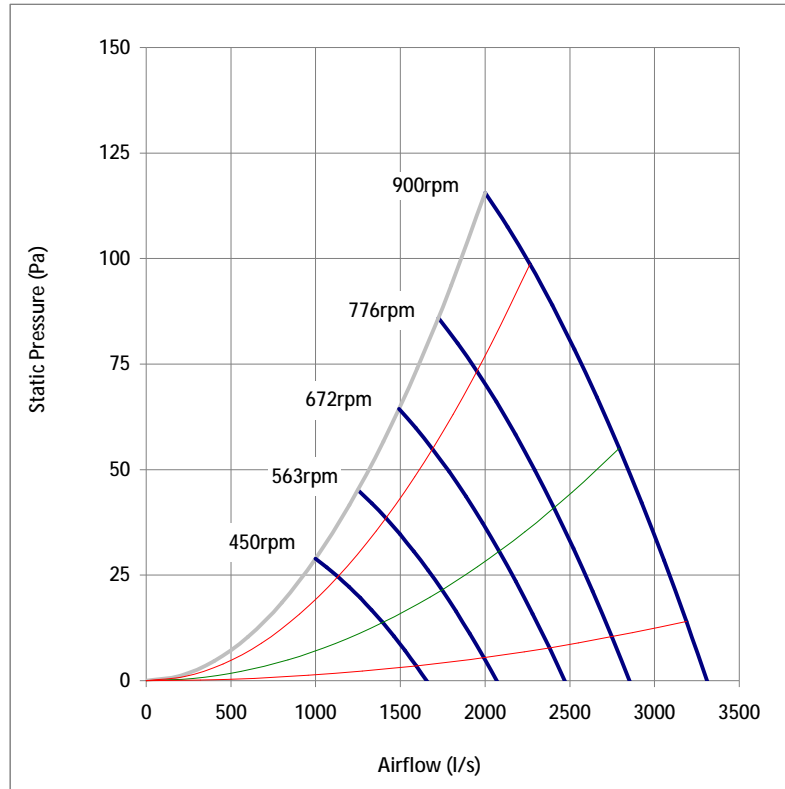
Size 670 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

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

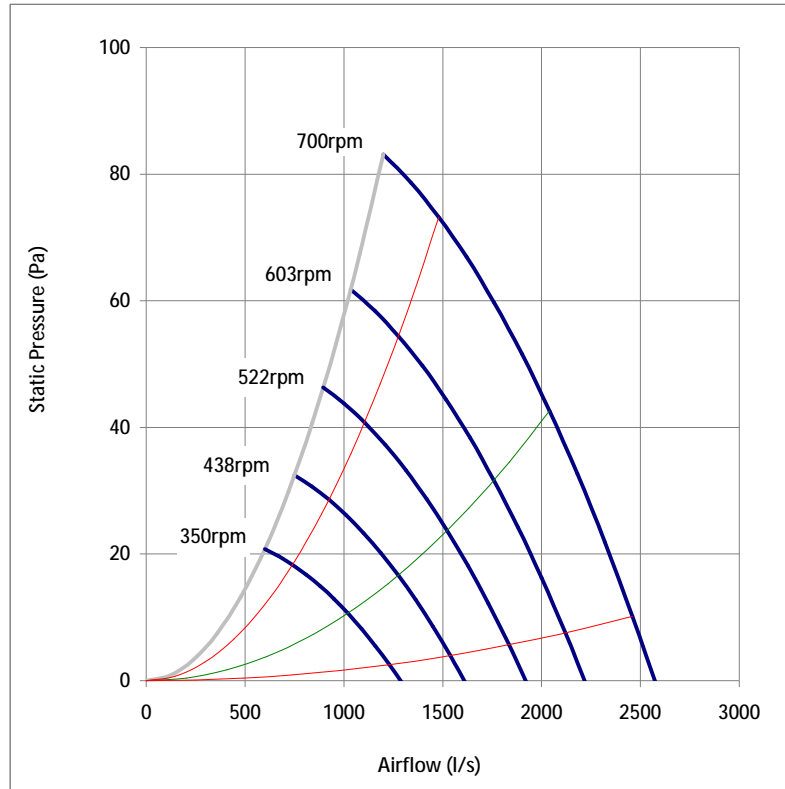
Size 670 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

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

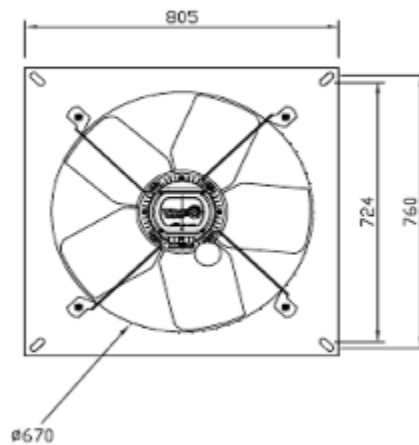
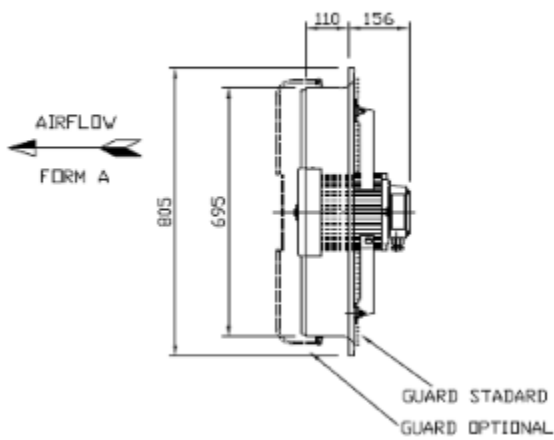


Plate Mounted Axial Fan

2102-7161



Impeller

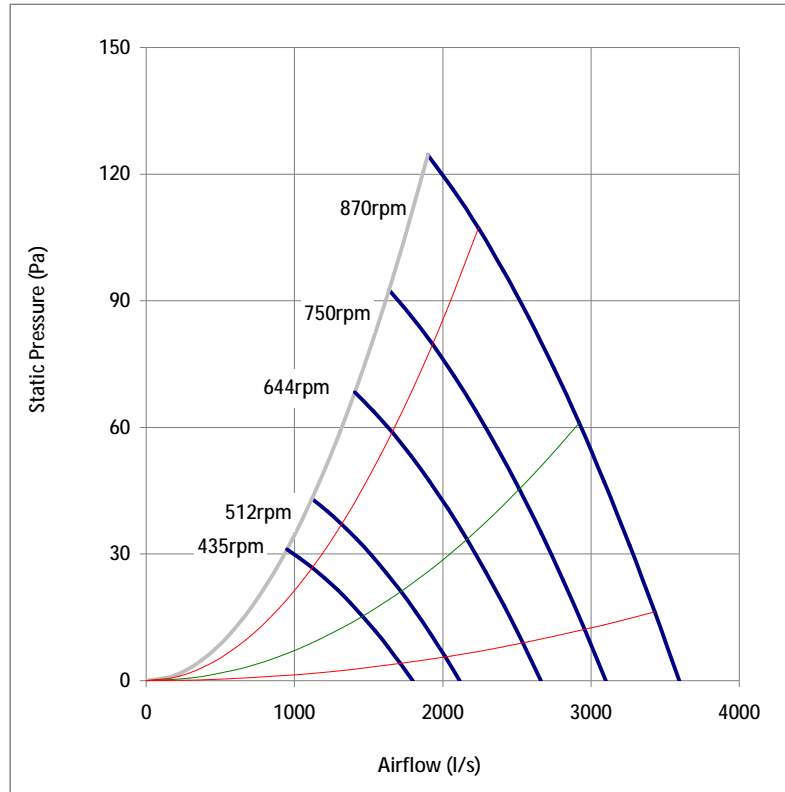
Size 710 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Aluminium

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

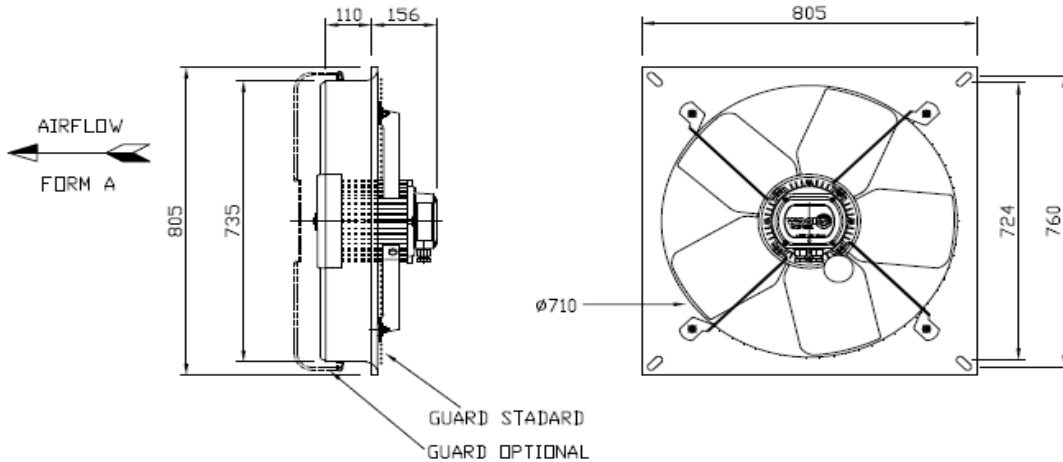


Plate Mounted Axial Fan

2102-7163



Impeller

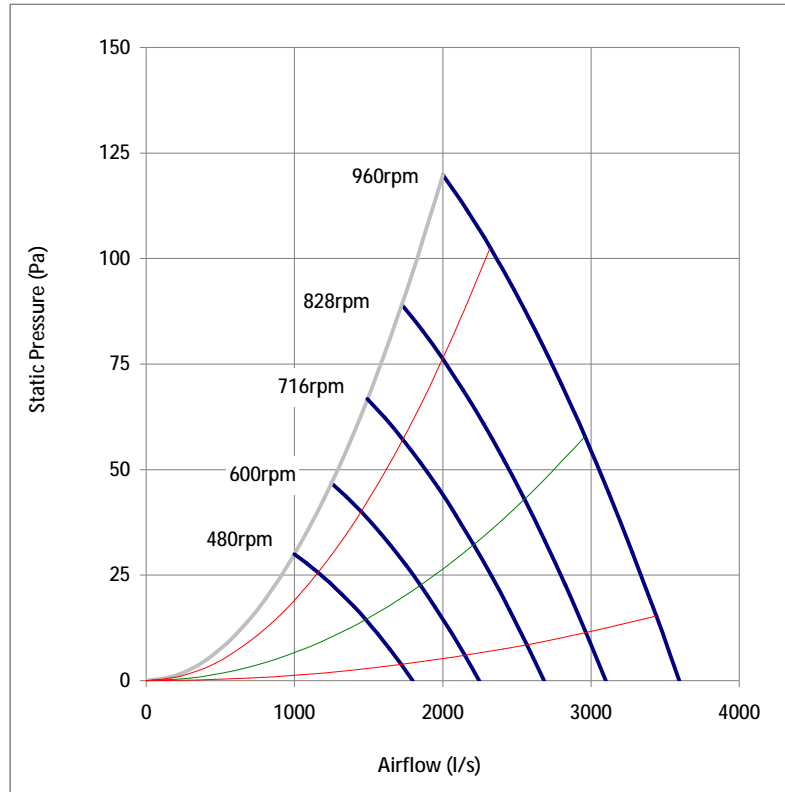
Size 710 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

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

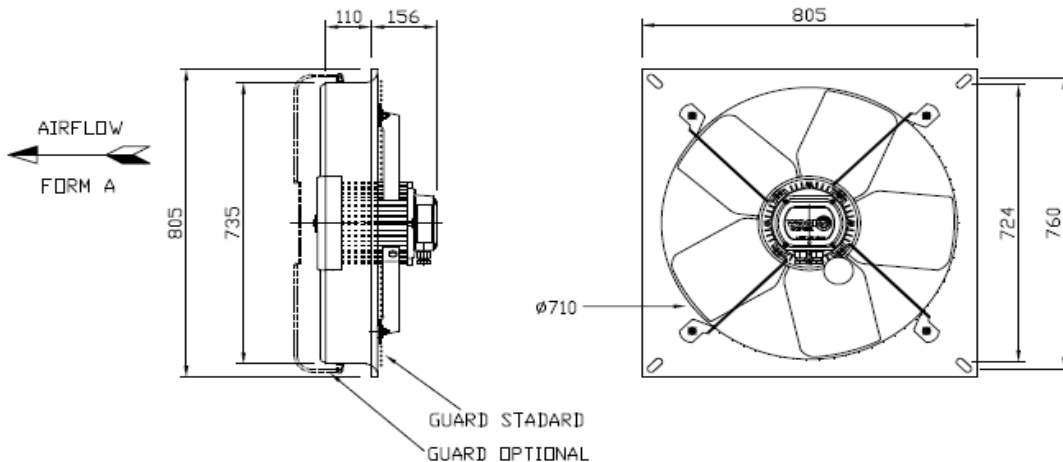


Plate Mounted Axial Fan

2102-7183



Impeller

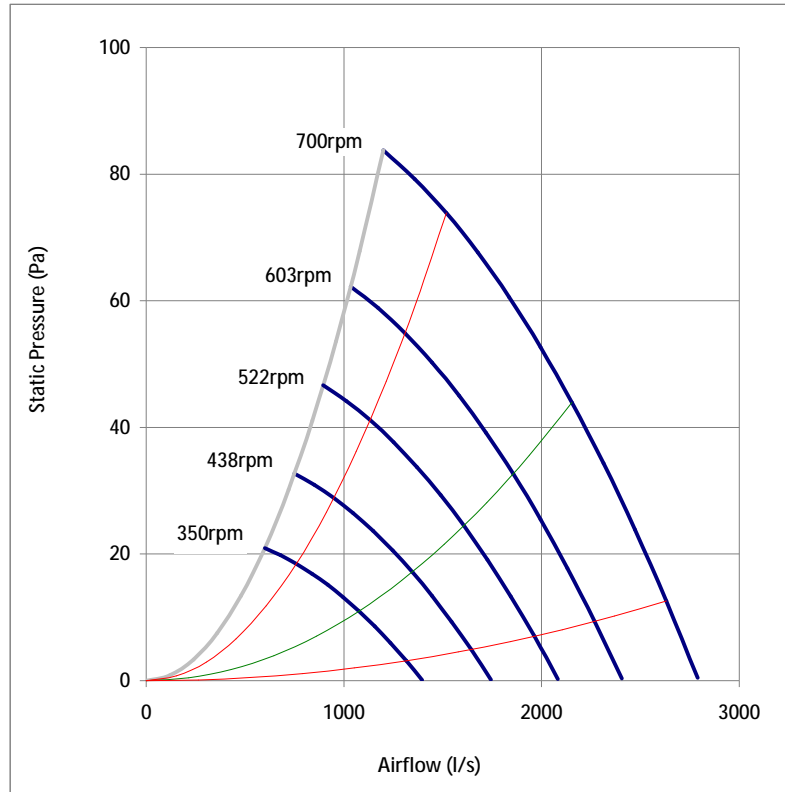
Size 710 mm
 Type Axial Arefoil
 Material Black Composite Material
 Motor finish Powder Coating RAL7032

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

