



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 Date – 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

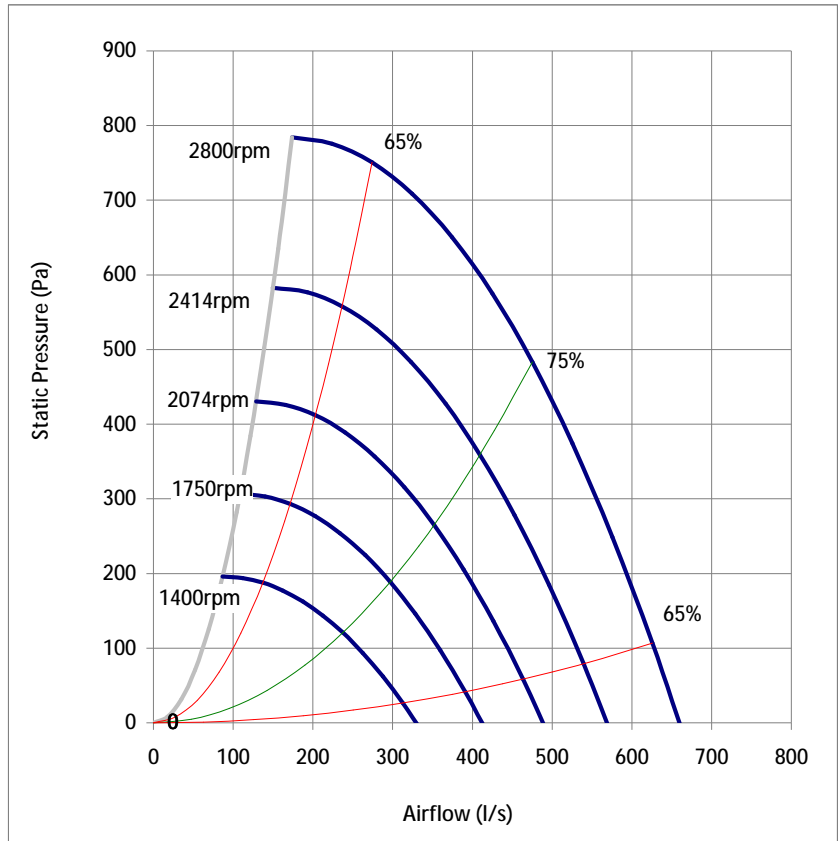
Size 250 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material
 Blades 7

Motor

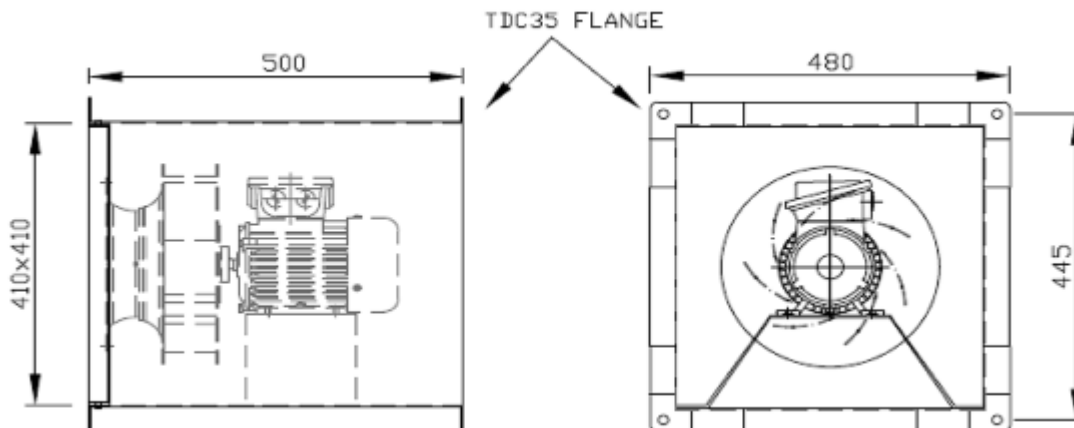
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 0.37 Kw
 Power Supply 400V/3PH/50Hz
 Speed 2815 RPM
 FLC 0.88 A
 Control Varibale Speed Drive
 Protection PTC Thermistor
 Motor Size D71

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

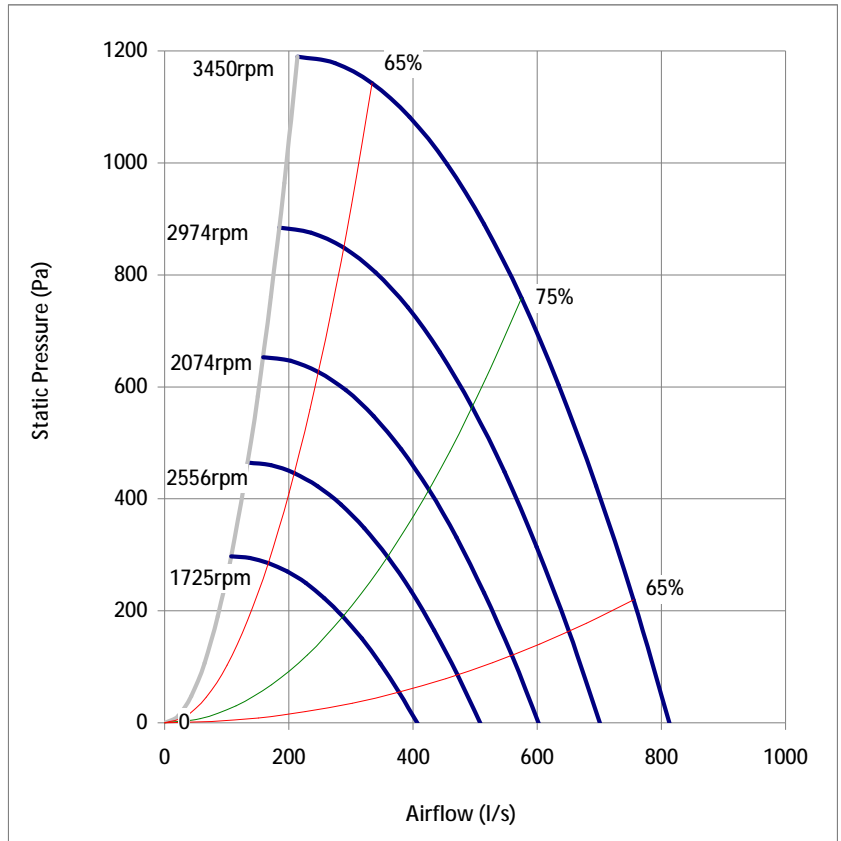
Size 250 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

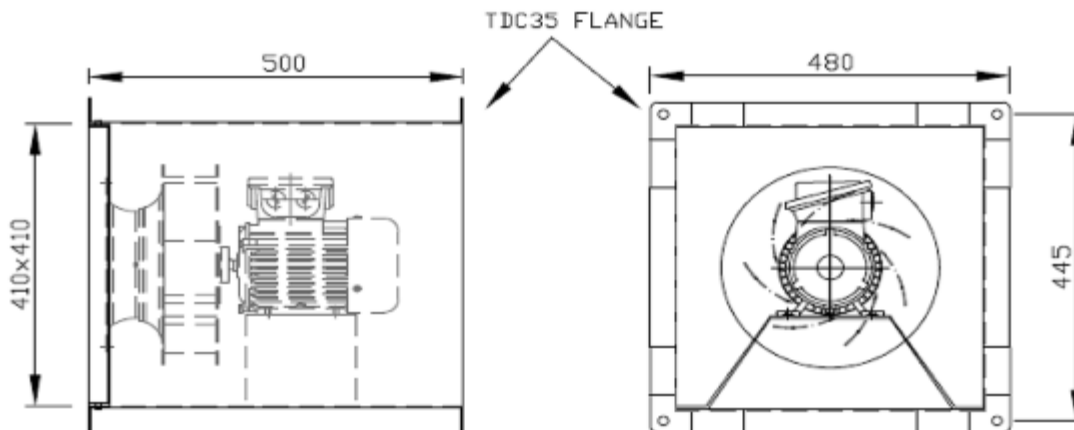
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 0.55 Kw
 Power Supply 400V/3PH/50Hz
 Speed 2820 RPM
 FLC 1.23 A
 Control Variable Speed Drive
 Protection PTC Thermistor
 Motor Size D71

Fan

Case Galvanise Steel
 Flange TDC35
 Weight 20 Kg
 Max. Temp 50 °C
 Max. Frequency 61 Hz

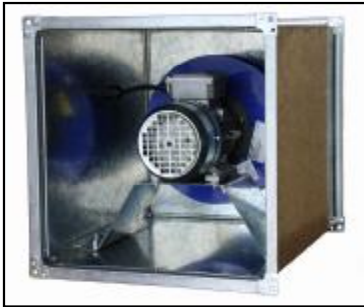


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
3450	1190	0.55	61	71	68	73	73	70	67	65	63	55
2974	884	0.35	53	68	65	70	70	67	64	62	60	52
2556	653	0.22	45	64	61	66	66	63	60	58	56	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

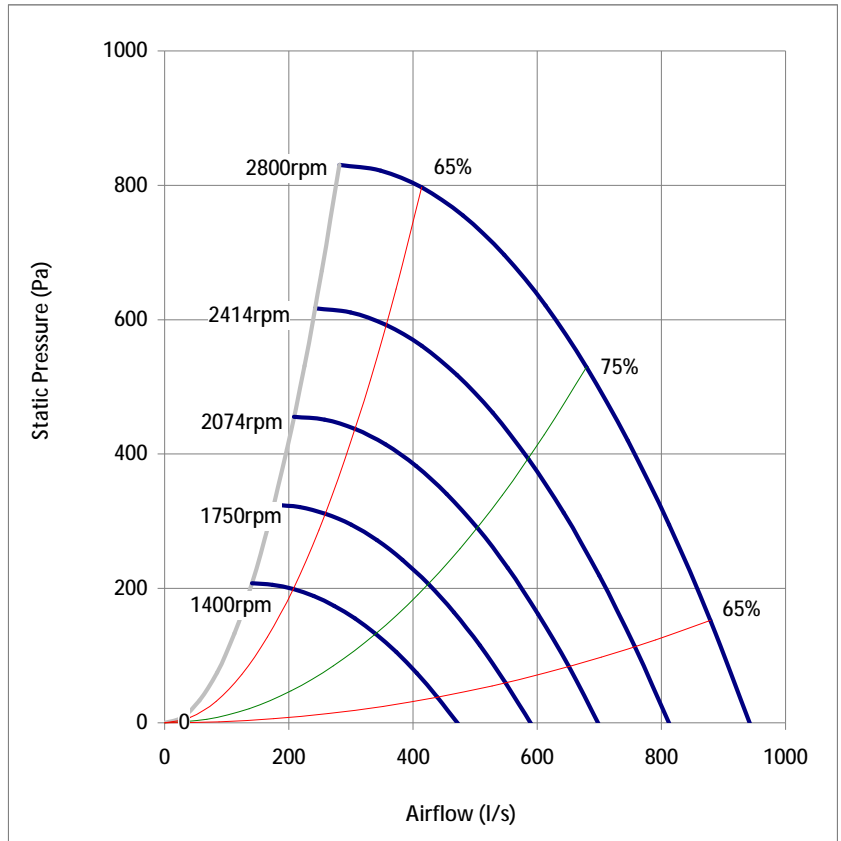
Size 280 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

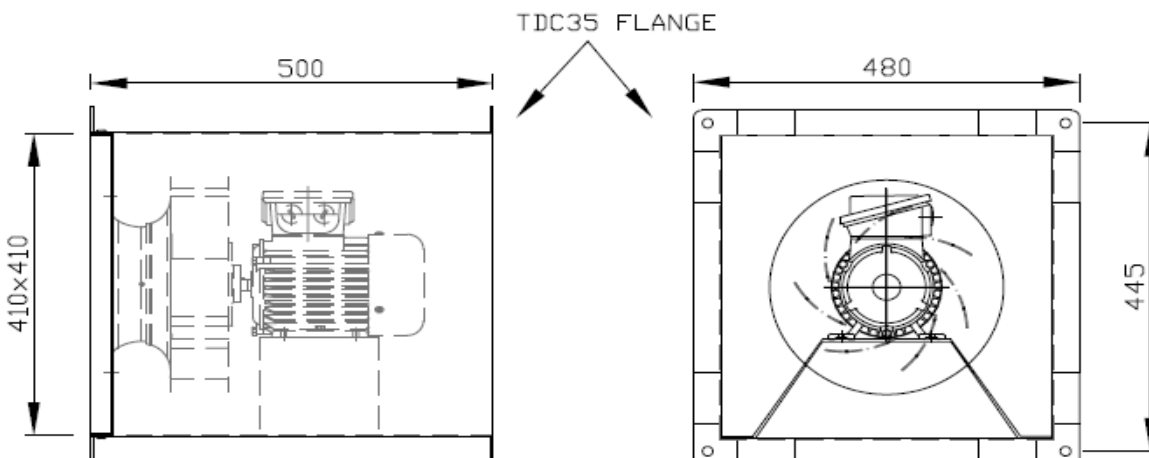
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 0.55 Kw
 Power Supply 400V/3PH/50Hz
 Speed 2820 RPM
 FLC 1.23 A
 Control Variable Speed Drive
 Protection PTC Thermistor
 Motor Size D71

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

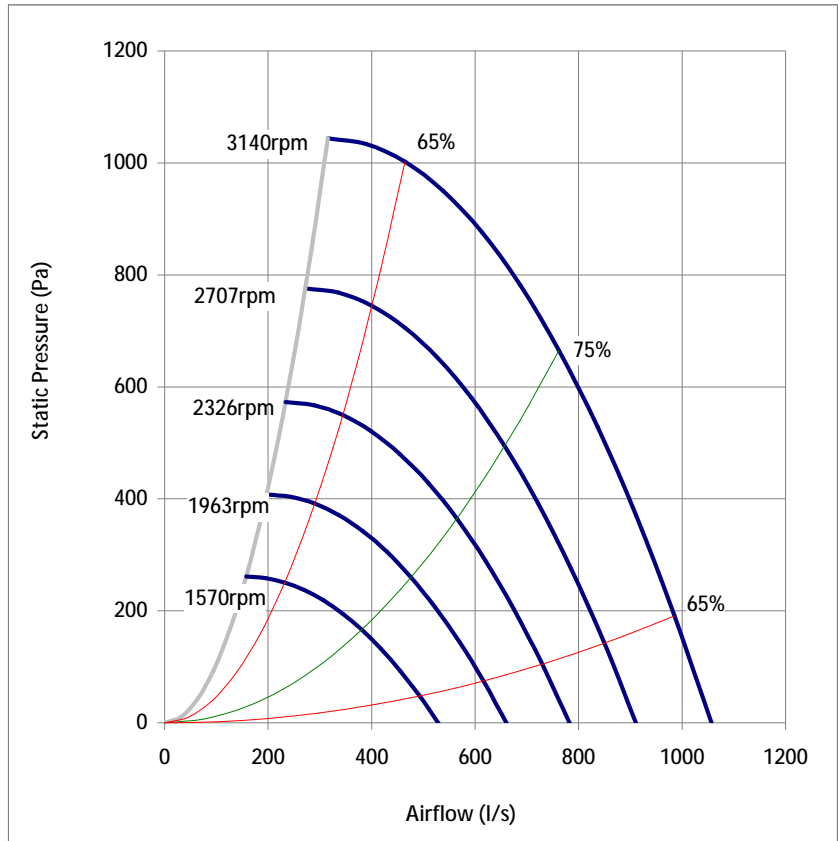
Size 280 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

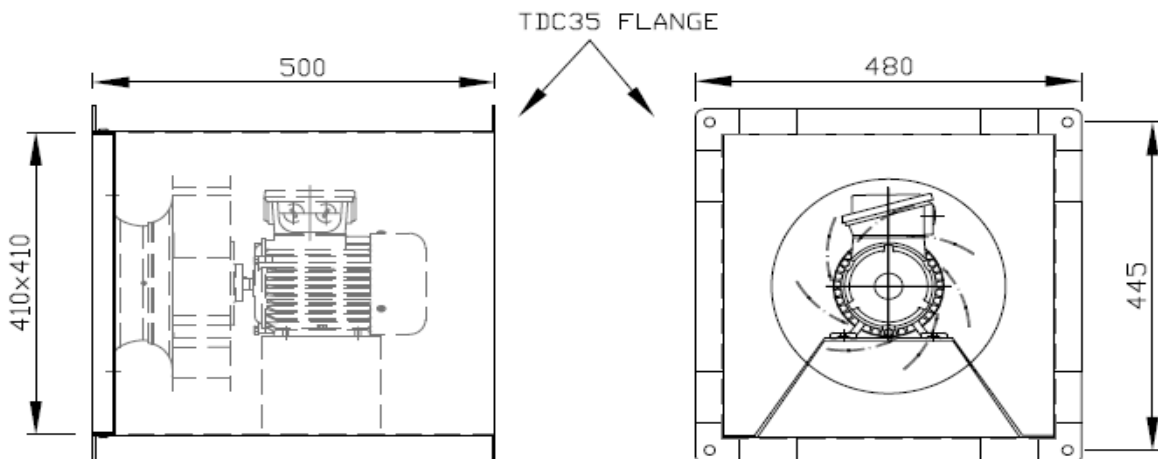
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 0.75 Kw
 Power Supply 400V/3PH/50Hz
 Speed 2850 RPM
 FLC 1.69 A
 Control Varibale Speed Drive
 Protection PTC Thermistor
 Motor Size D80

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	63	70	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

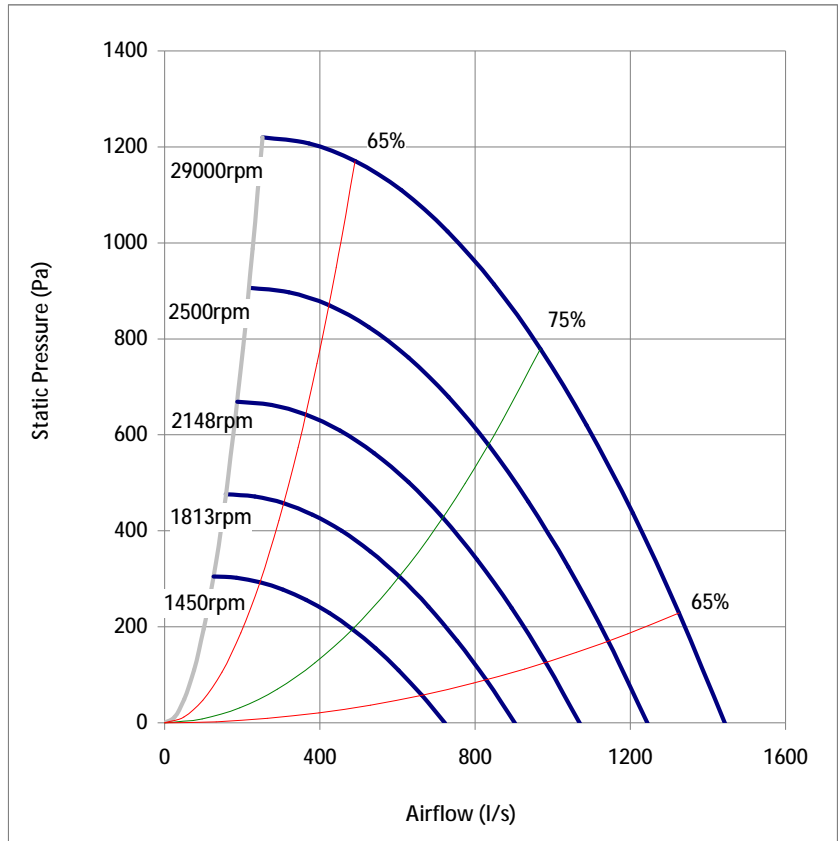
Size 310 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

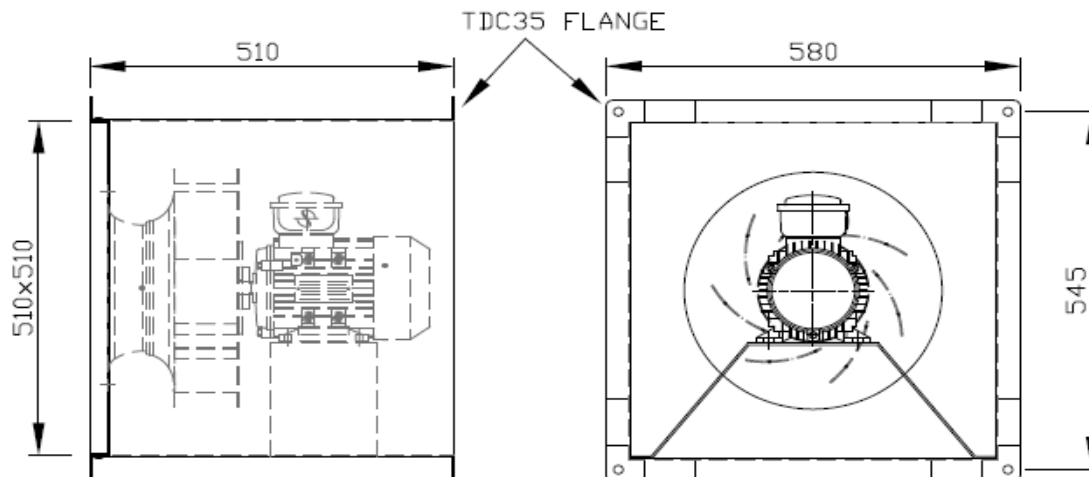
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.10 Kw
 Power Supply 400V/3PH/50Hz
 Speed 2870 RPM
 FLC 2.39 A
 Control Variable Speed Drive
 Protection PTC Thermistor
 Motor Size D80

Fan

Case Galvanise Steel
 Flange TDC35
 Weight 35 Kg
 Max. Temp 50 °C
 Max. Frequency 51 Hz

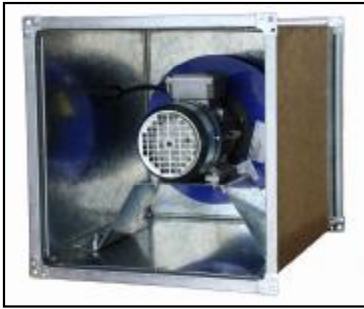


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2900	1220	1.10	51	69	63	77	73	71	70	67	62	57
2500	906	0.70	44	66	60	74	70	68	67	64	59	54
2148	669	0.45	38	62	56	70	66	64	63	60	55	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

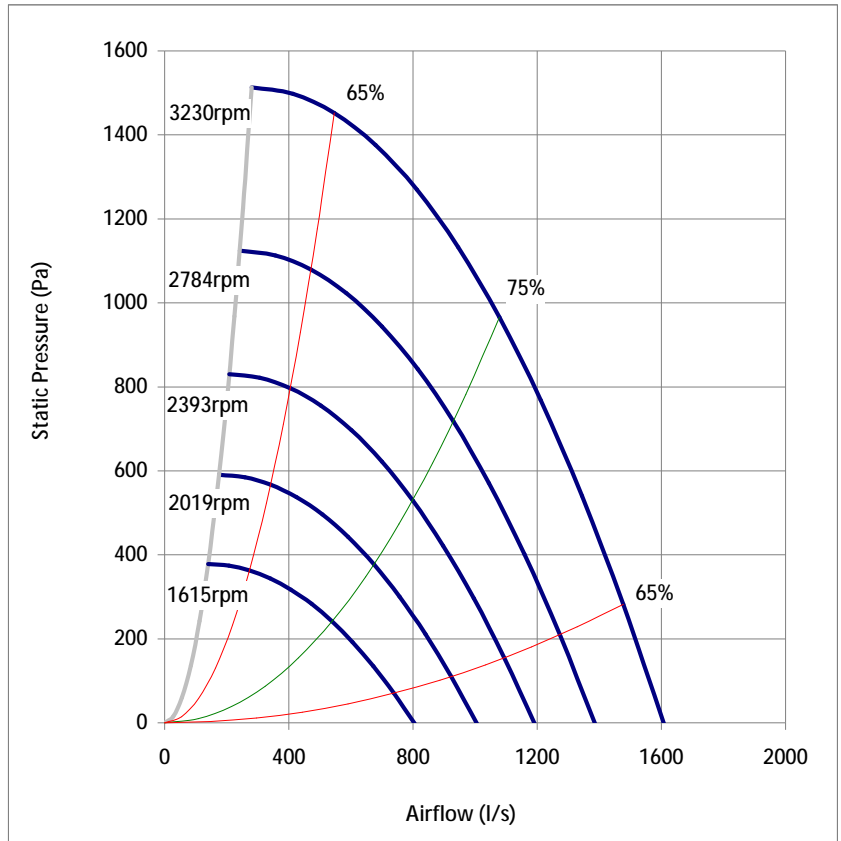
Size 310 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

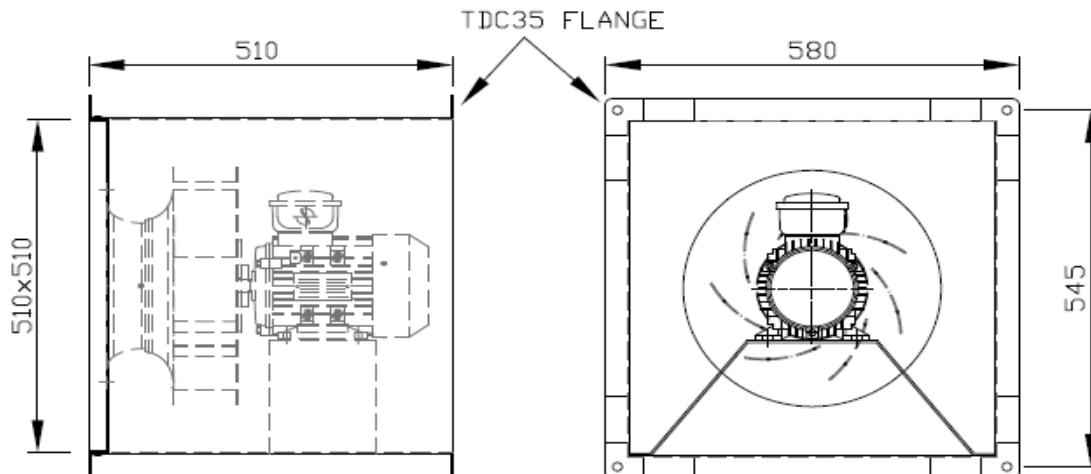
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.50 Kw
 Power Supply 400V/3PH/50Hz
 Speed 2870 RPM
 FLC 3.20 A
 Control Varibale Speed Drive
 Protection PTC Thermistor
 Motor Size D90

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

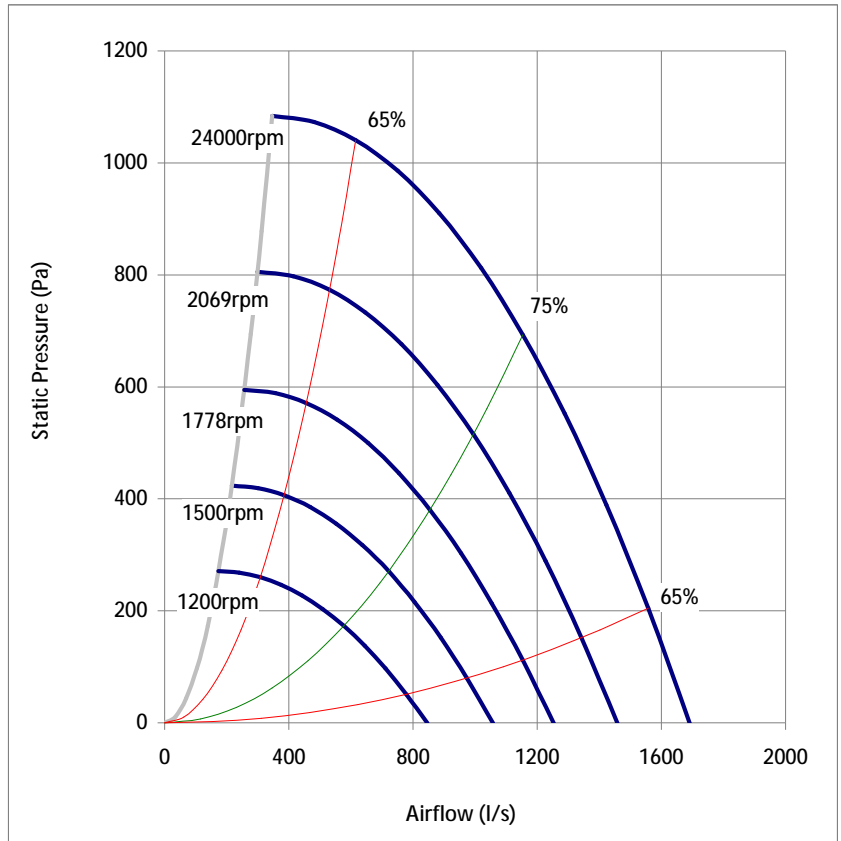
Size 350 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

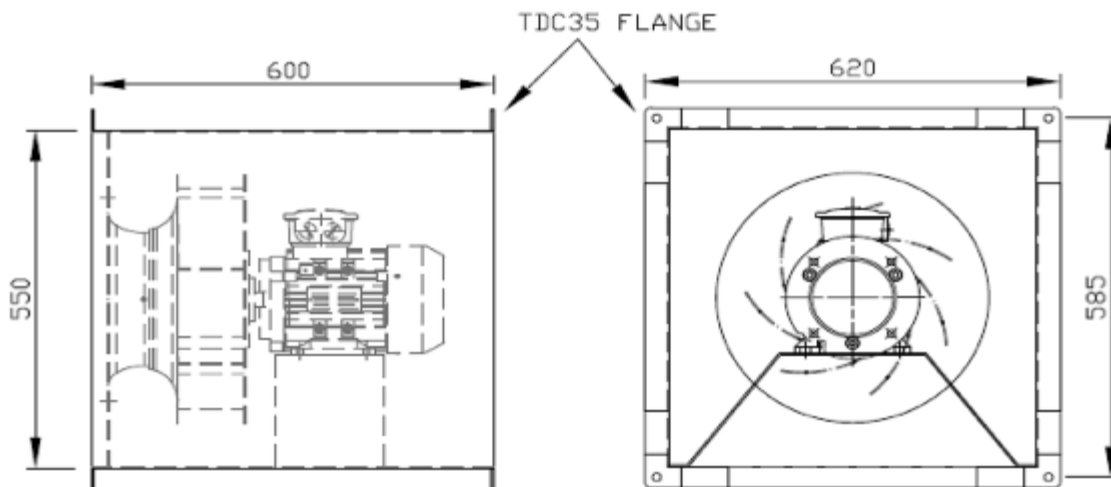
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.10 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1410 RPM
 FLC 2.63 A
 Control Variable Speed Drive
 Protection PTC Thermistor
 Motor Size D90

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

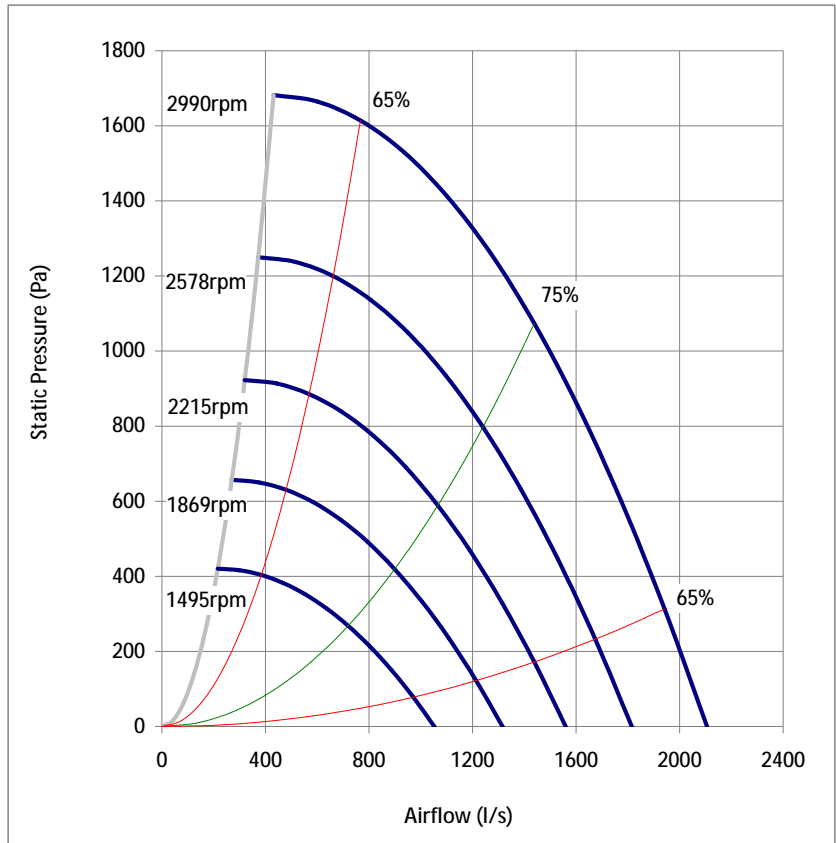
Size 350 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

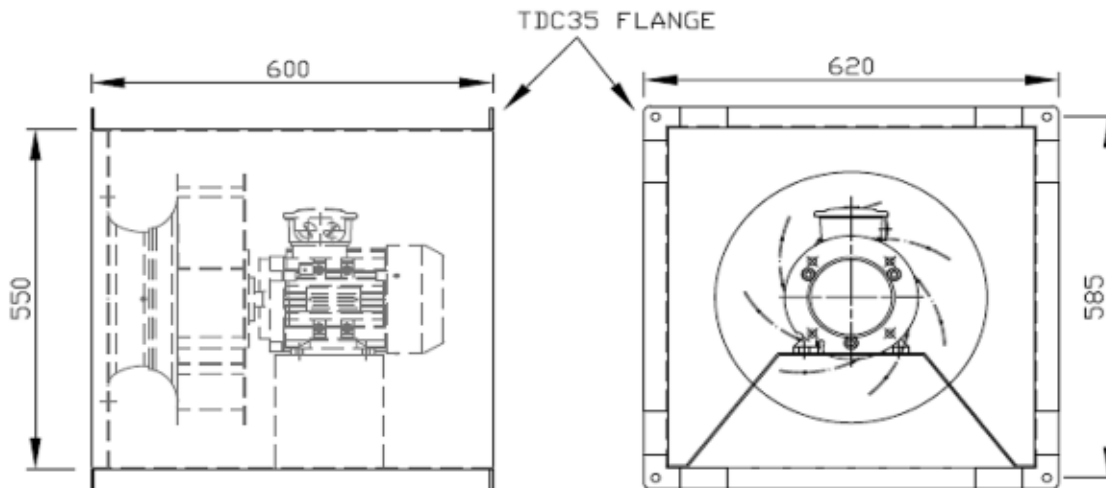
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 2.20 Kw
 Power Supply 400V/3PH/50Hz
 Speed 2850 RPM
 FLC 4.40 A
 Control Variable Speed Drive
 Protection PTC Thermistor
 Motor Size D90

Fan

Case Galvanise Steel
 Flange TDC35
 Weight 52 Kg
 Max. Temp 50 °C
 Max. Frequency 53 Hz

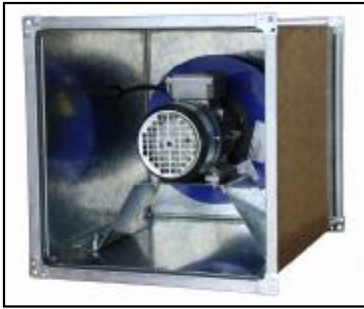


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2990	1682	2.20	53	71	68	82	76	71	71	69	67	59
2578	1250	1.41	46	68	65	79	73	68	68	66	64	56
2215	923	0.89	39	64	61	75	69	64	64	62	60	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

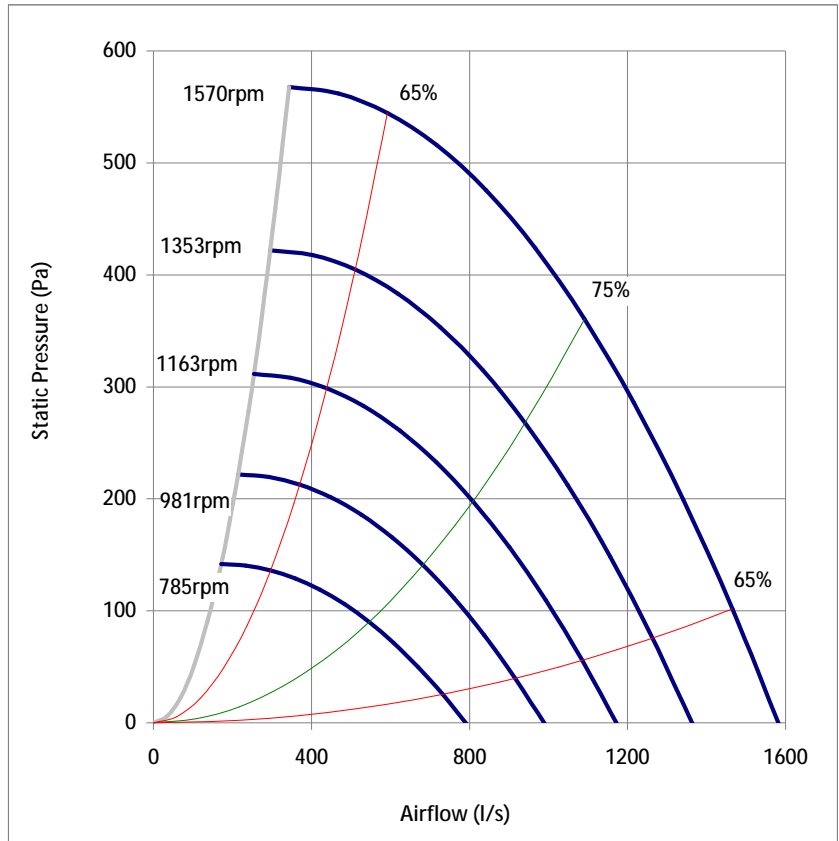
Size 400 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

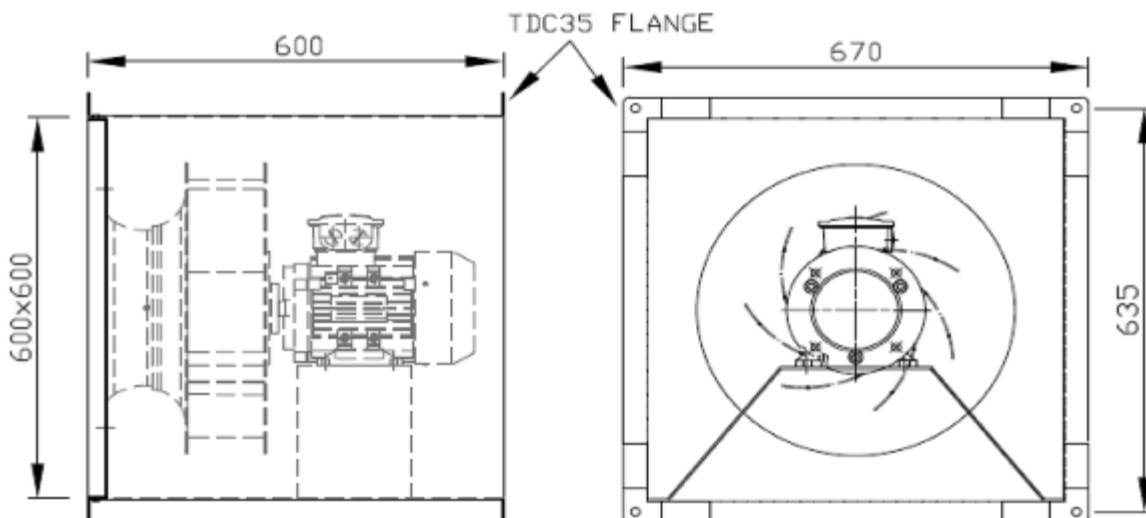
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 0.55 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1410 RPM
 FLC 1.58 A
 Control Varibale Speed Drive
 Protection PTC Thermistor
 Motor Size D80

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

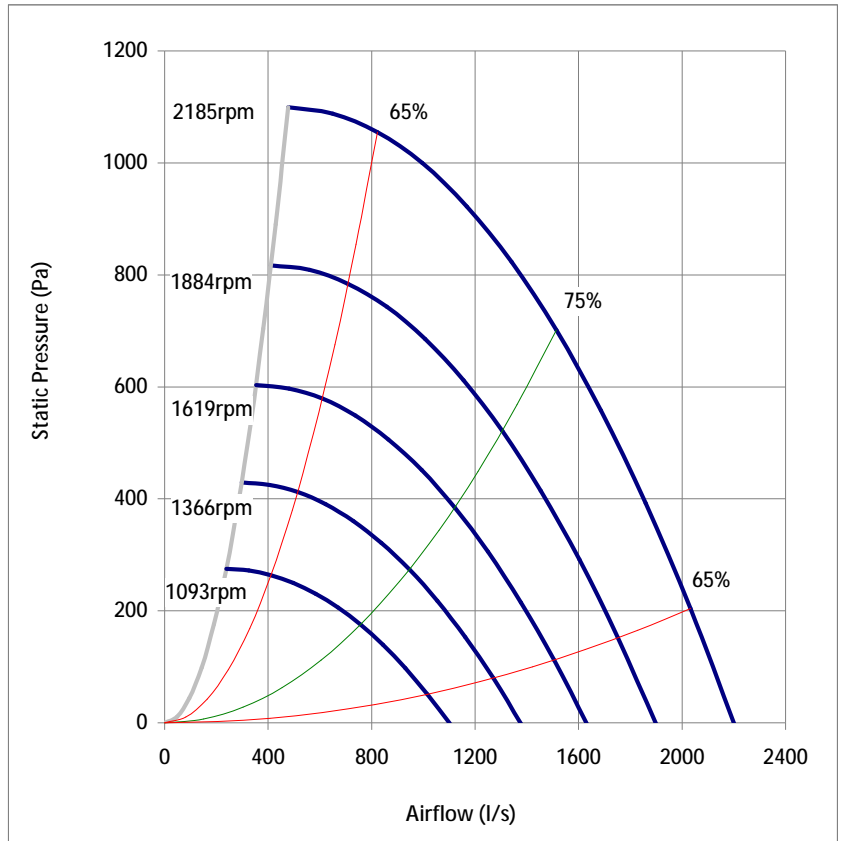
Size 400 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

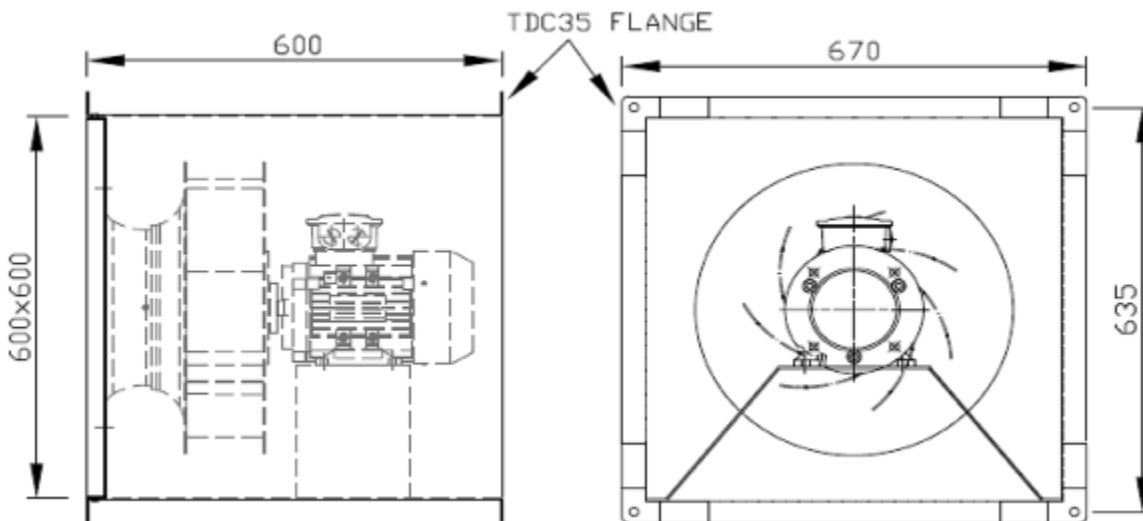
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.50 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1420 RPM
 FLC 3.50 A
 Control Variabile Speed Drive
 Protection PTC Thermistor
 Motor Size D90

Fan

Case Galvanise Steel
 Flange TDC35
 Weight 58 Kg
 Max. Temp 50 °C
 Max. Frequency 78 Hz

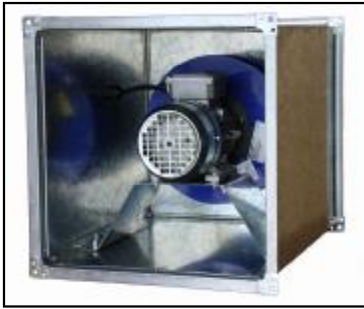


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
2185	1099	1.50	78	63	75	74	71	68	67	64	59	54
1884	817	0.96	67	64	72	71	68	65	64	61	56	51
1619	603	0.61	58	60	68	67	64	61	60	57	52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

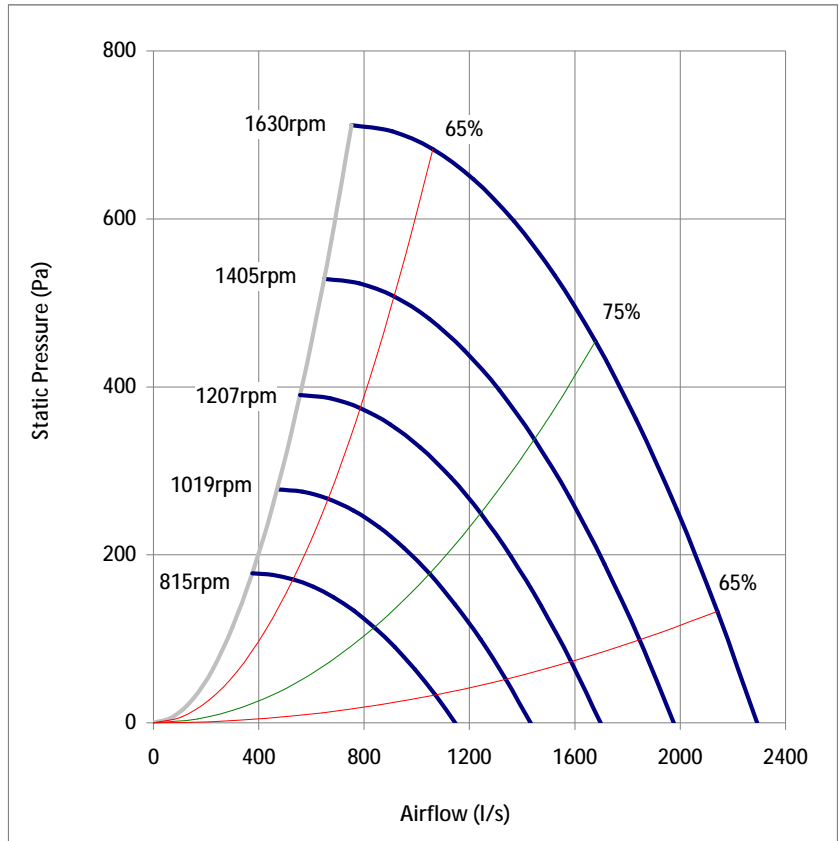
Size 450 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

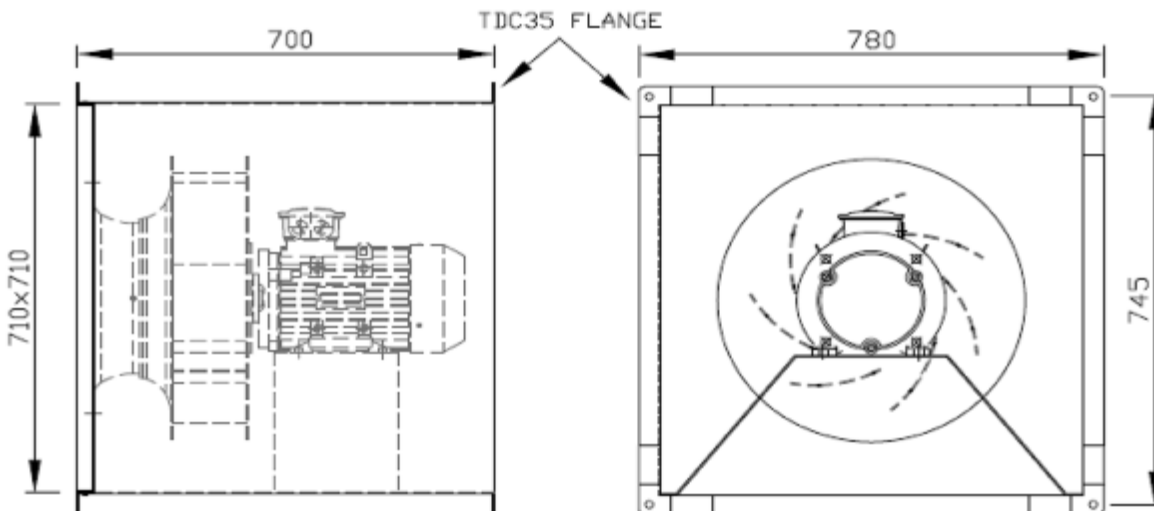
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.10 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1410 RPM
 FLC 2.63 A
 Control Variabile Speed Drive
 Protection PTC Thermistor
 Motor Size D90

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

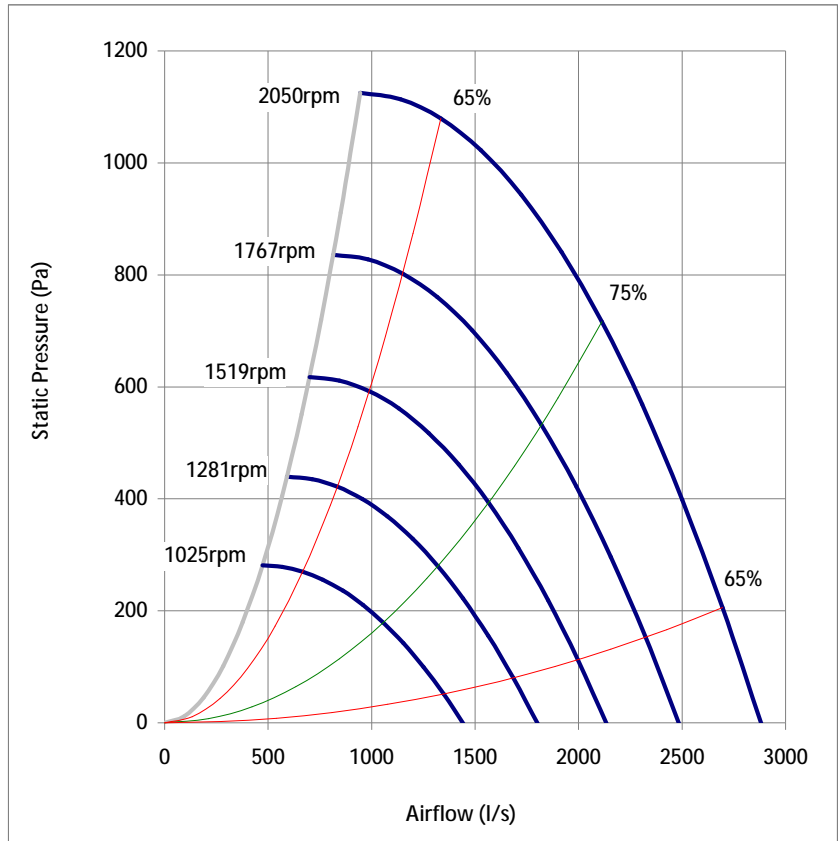
Size 450 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

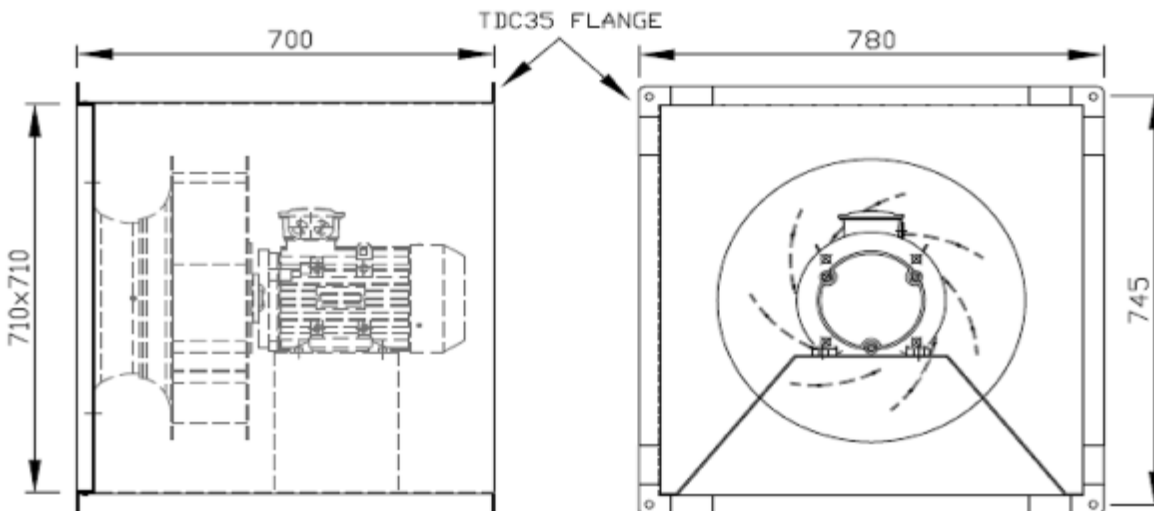
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 2.20 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1415 RPM
 FLC 4.80 A
 Control Variabile Speed Drive
 Protection PTC Thermistor
 Motor Size D100

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

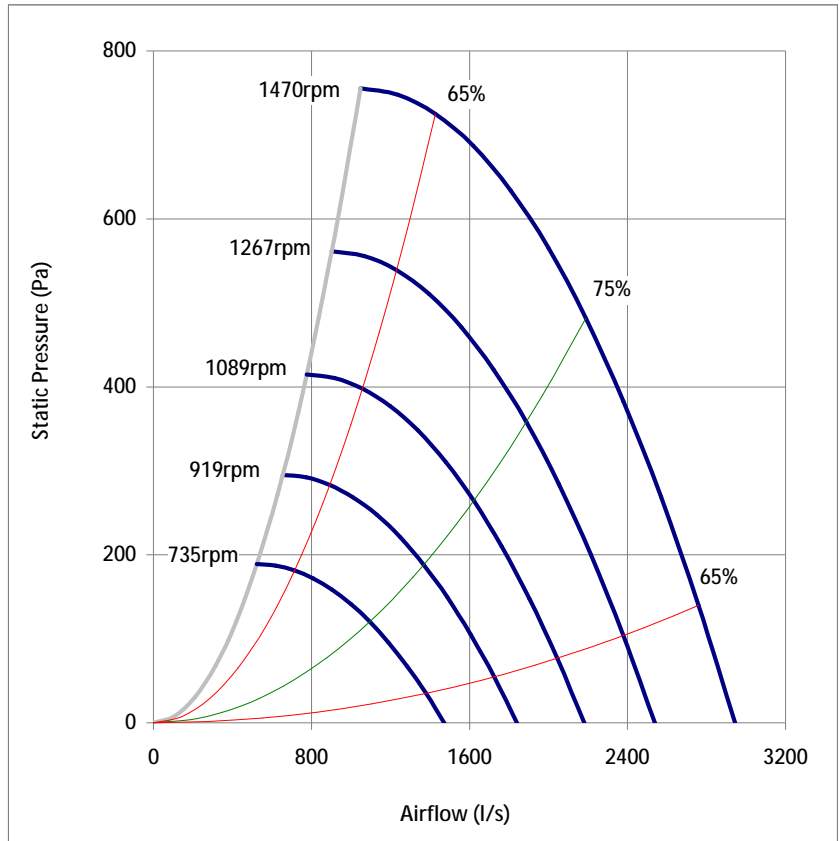
Size 500 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

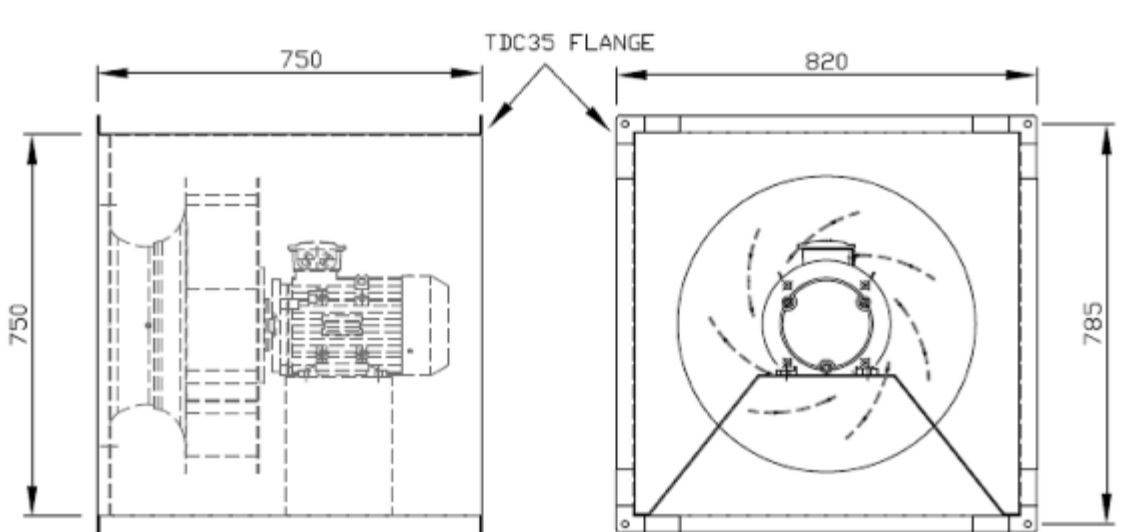
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.50 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1410 RPM
 FLC 3.40 A
 Control Varibale Speed Drive
 Protection PTC Thermistor
 Motor Size D90

Fan

Case Galvanise Steel
 Flange TDC35
 Weight 85 Kg
 Max. Temp 50 °C
 Max. Frequency 51 Hz

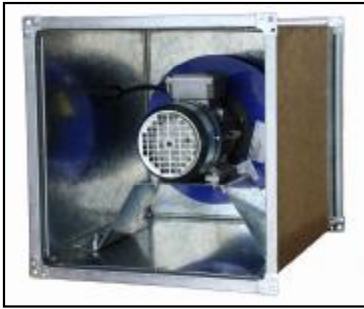


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw								Sound Pressure Level dB at 3 meters
				63	125	250	500	1k	2k	4k	8k	
1470	755	1.50	51	63	79	77	70	67	66	64	62	55
1267	561	0.96	44	62	76	74	67	64	63	61	59	52
1089	415	0.61	38	58	72	70	63	60	59	57	55	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

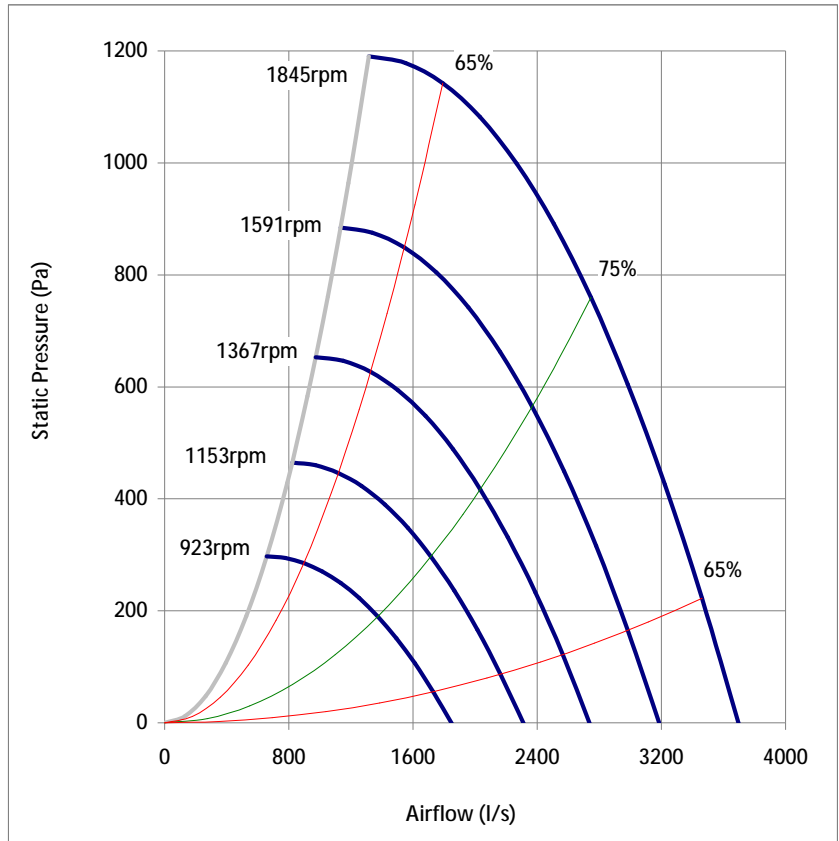
Size 500 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

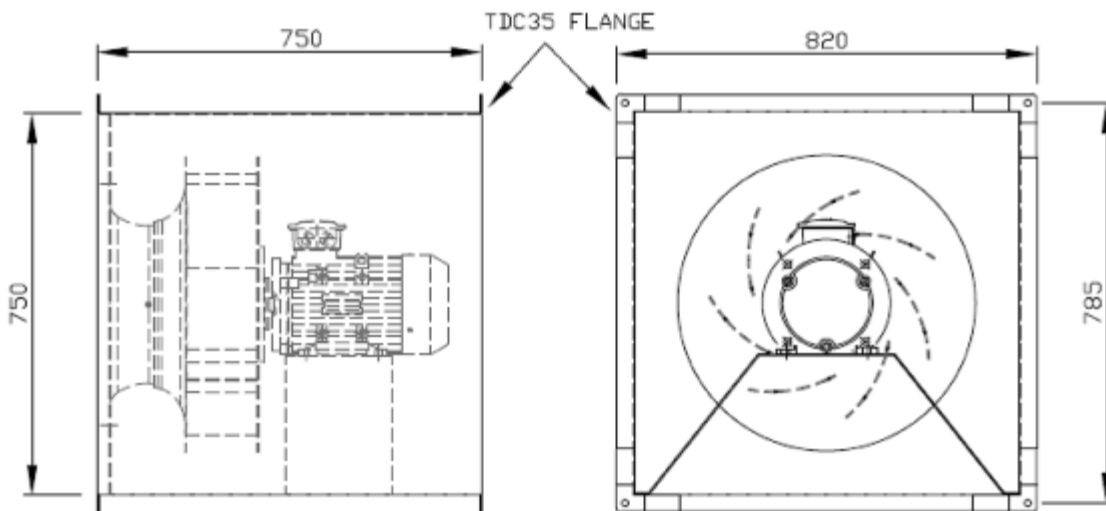
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 3.00 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1415 RPM
 FLC 6.40 A
 Control Varibale Speed Drive
 Protection PTC Thermistor
 Motor Size D100

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

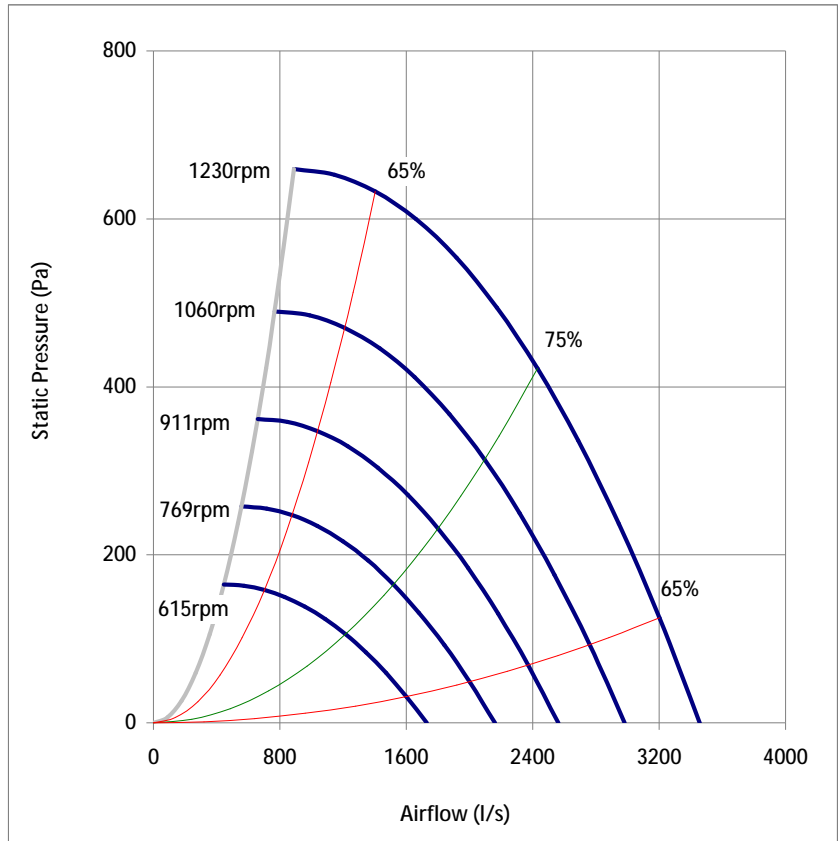
Size 560 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

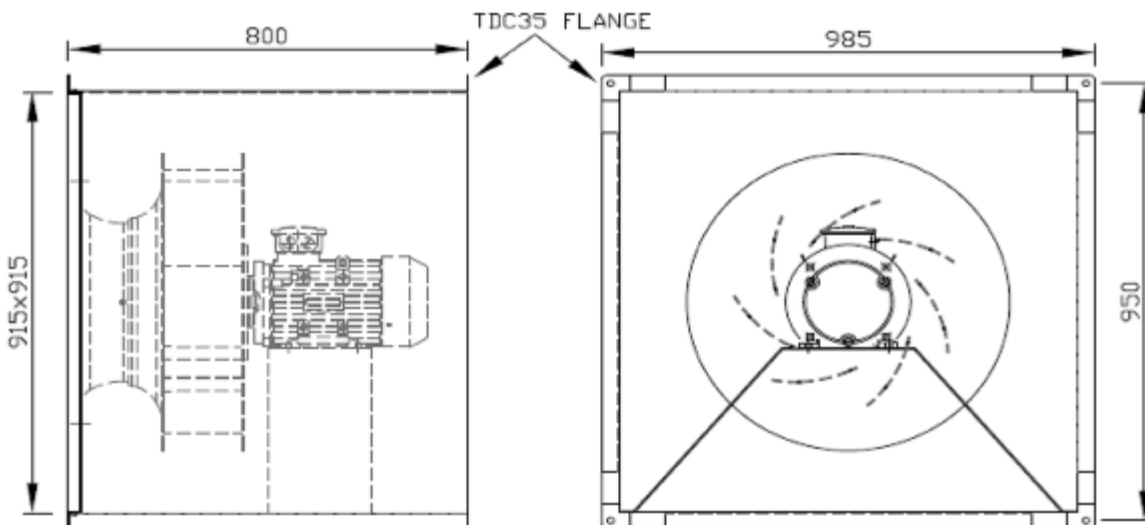
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.50 Kw
 Power Supply 400V/3PH/50Hz
 Speed 930 RPM
 FLC 4.30 A
 Control Varibale Speed Drive
 Protection PTC Thermistor
 Motor Size D100

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	63	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

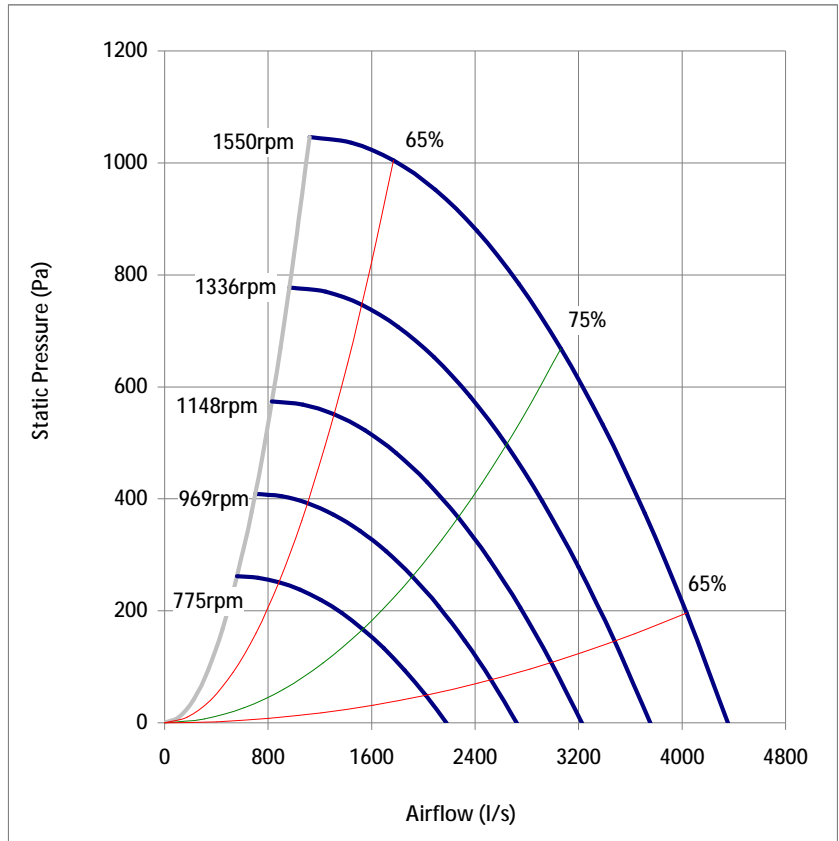
Size 560 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

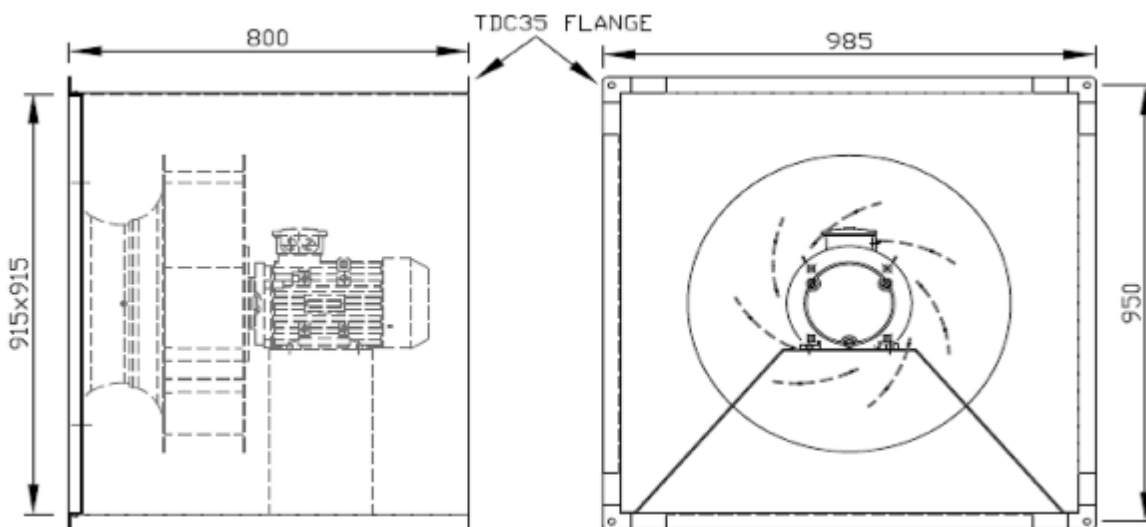
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 3.00 Kw
 Power Supply 400V/3PH/50Hz
 Speed 1415 RPM
 FLC 6.40 A
 Control Variable Speed Drive
 Protection PTC Thermistor
 Motor Size D100

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

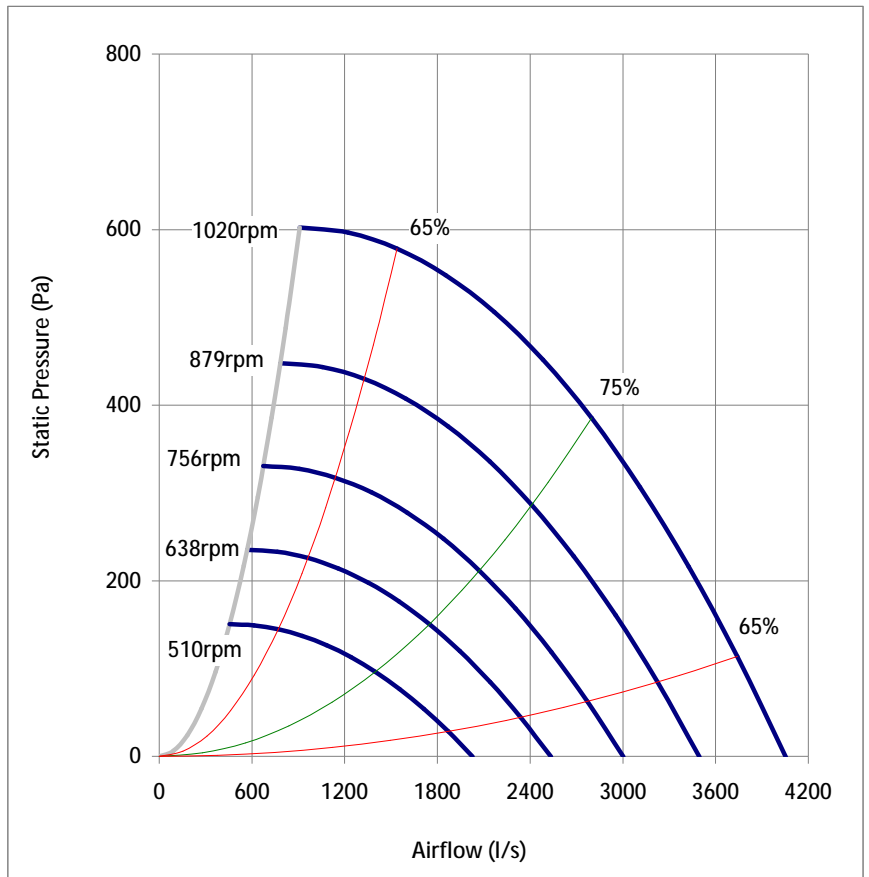
Size 630 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

Motor

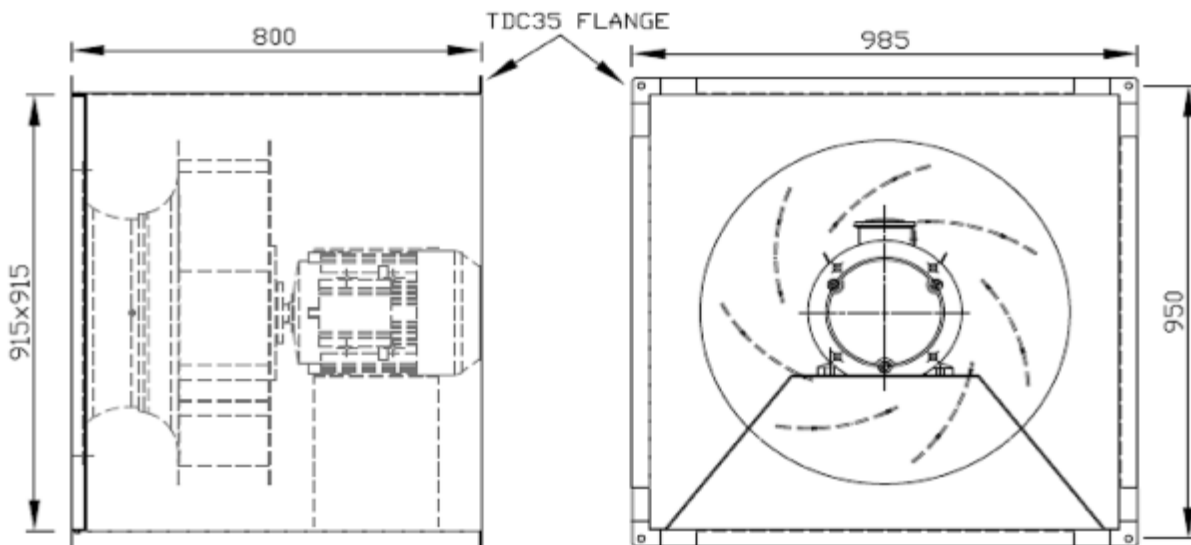
Type IE2
 IP Rating 55
 Insulation Class 155
 Power 1.50 Kw
 Power Supply 400V/3PH/50Hz
 Speed 930 RPM
 FLC 4.30 A
 Control Variable Speed Drive
 Protection PTC Thermistor
 Motor Size D100

Fan

Case Galvanise Steel
 Flange TDC35
 Weight 135 Kg
 Max. Temp 50 °C
 Max. Frequency 54 Hz

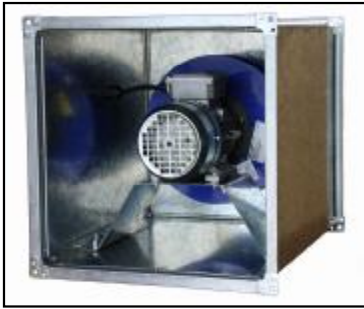


Speed (rpm)	Peak Pressure (Pa)	Peak Power (kw)	Running Frequency	Sound Power Level SWL dB re 1pw					Sound Pressure Level dB at 3 meters			
				63	125	250	500	1k		2k	4k	8k
1020	602	1.50	54	64	70	68	70	66	64	58	59	52
879	448	0.96	47	61	67	65	67	63	61	55	56	49
756	331	0.61	40	57	63	61	63	59	57	51	52	45
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



Inline Backward Curve Centrifugal Fan

AX5-630-550



Impeller

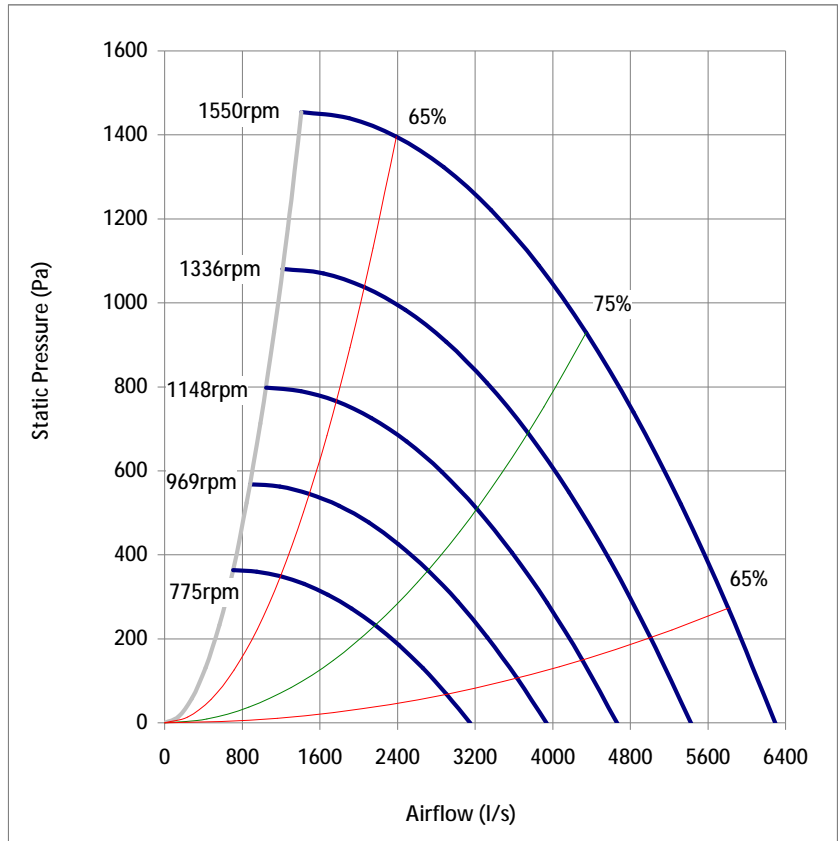
Size 630 mm
 Type Backward Arefoil Curve
 Material Blue Composite Material

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

