



YOUR PARTNER IN AIR TECHNOLOGIES



INDEX

Axial Fans

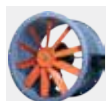
Page No



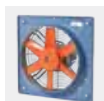
XWF
05 - 10



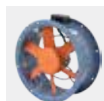
XWF/E
11 - 14



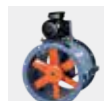
XCF
15 - 25



XWF/65
26 - 30



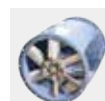
XCF/65
31 - 35



XLX
36 - 38



XMF
39 - 40



XBF
41 - 42



XLS
43

Centrifugal Fans

Page No



CFI
46 - 52



CBI
53 - 59



CBI/A
60 - 61



CHP
62 - 68



SCF/E, CF/E
69 - 72

Chemical Fan

Page No



CCF
74 - 77

Roof Fans

Page No



URF
79 - 80



KRF
81 - 82



KRF-ISO
83 - 84



RBF/E, RBF/V
85 - 89



XRF
90 - 93



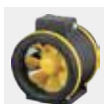
RF-N
94 - 95



RF-N ... P
96 - 97

Inline Fans

Page No



EUROMASTER
100 - 101



EV-S
102 - 103



EVS-Extra Range
104 - 105



EL-E
106 - 107



EL-EC
108 - 109



EMIK
110



EV
111 - 112



EV QUIET
113 - 114

Kitchen Fans

Page No



KBF-ISO
117 - 118



KBF
119 - 120

Box Fans

Page No



DBF-ISO
122 - 123



DBF-I
124 - 125



BF-N
126 - 127



BF-E.M
128 - 129

Plastic Fans

Page No



EVD range
131 - 132



EVW range
133 - 134



EVWS range
135 - 136



EVBA range
137 - 138



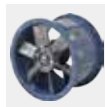
EVWS/E-range
139



EV Smart
140 - 141

Smoke Fan

Page No



XCT
142 - 162

Electrostatic & Air Filter

Page No



EvEsp
164 - 169



SL-CASE AK
170



AKF
171

Accessories

Page No



Fan Accessories
173



Mechanical
174 - 181



Electrical
182 - 186



A/SP
187



A/MS
188



A/HS
189



A/DV
190 - 191



**Aluminum
Flexible Duct**
192



**Insulated
Flexible Duct**
193



**Acoustic
Flexible Duct**
194



Silencer
195



**High- Temperature
Ventilation Duct**
196



**Double layers Combi
PVC Flexible Duct**
197



**Semi- Rigid
Aluminum Duct**
198



**Copper Plating
Aluminum Flexible Duct**
199

Rules & Formulas Related to Fans

203 - 208




EURO Ventus®
★★★★★

AXIAL FANS

XWF

XWF : Wall-mounted axial fans, with IP-55 motor

Wall-mounted axial fans with plastic impeller



Fan:

- Sheet steel base plate.
- Impeller in polyamide reinforced with fibre glass
- Protection guard, meets UNE 100250 standard
- Airflow direction from motor to impeller

Motor:

- Single-phase motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with ball bearings and IP55 protection, except single-phase versions from size 45 to size 63, IP54 protection, one- or two-speed depending on request.
- Single-phase 230V -50Hz. and three-phase 230/400V.50Hz.(Deference volts Hz upon request) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -25°C/+ 60°C

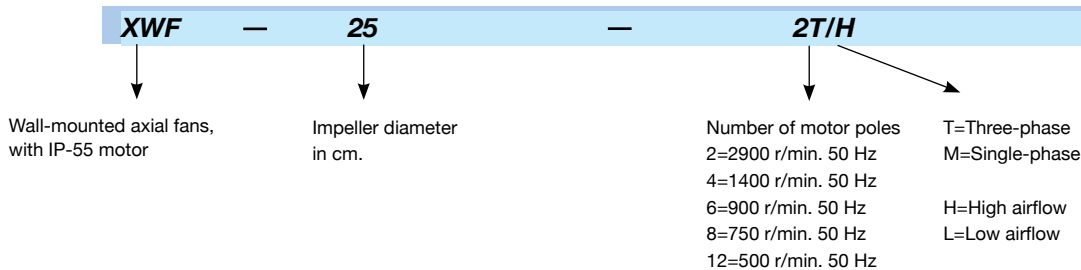
Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Motor, impeller and guard unit (version F)
- Motor-impeller unit, version G.
- Airflow direction from impeller to motor.
- Special windings for different voltages.

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
XWF-25-2T/H	2730	0.74	0.43		0.12	2200	64	5
XWF-25-2M/H	2770	0.98			0.12	2200	64	5
XWF-25-4T/H	1320	0.96	0.56		0.10	1300	51	5
XWF-25-4M/H	1380	0.65			0.10	1300	51	5
XWF-31-2T/H	2750	1.21	0.70		0.18	3650	72	6
XWF-31-2M/H	2700	1.85			0.18	3600	72	6
XWF-31-4T/H	1320	0.96	0.56		0.10	2400	54	6

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
XWF-31-4M/H	1380	1.03			0.10	2400	54	6
XWF-31-4T/L	1320	0.65	0.38		0.08	1800	52	6
XWF-31-4M/L	1380	0.65			0.10	1750	52	6
XWF-35-2T/H	2710	1.92	1.11		0.37	6050	76	8
XWF-35-4T/H	1320	0.96	0.56		0.10	3550	58	7
XWF-35-4M/H	1380	1.03			0.10	3550	58	7
XWF-35-4T/L	1320	0.96	0.56		0.10	2600	56	7
XWF-35-4M/L	1380	0.65			0.10	2600	56	7
XWF-40-4T/H	1350	1.66	0.96		0.25	5200	63	10
XWF-40-4M/H	1370	2.00			0.25	5200	63	10
XWF-40-4T/L	1320	0.96	0.56		0.10	4050	59	8
XWF-40-4M/L	1380	1.03			0.10	4050	59	8
XWF-40-6T/H	900	1.51	0.87		0.25	3700	55	10
XWF-40-6M/H	970	1.30			0.25	3700	55	10
XWF-45-4T/H	1370	2.02	1.17		0.37	7300	66	14
XWF-45-4M/H	1400	2.76			0.37	7300	66	14
XWF-45-4T/L	1350	1.66	0.96		0.25	5600	63	11
XWF-45-4M/L	1370	2.00			0.25	5600	63	11
XWF-45-6T/H	900	1.51	0.87		0.25	5150	57	14
XWF-45-6M/H	950	1.50			0.25	5150	57	14
XWF-50-4T/H	1380	2.92	1.69		0.55	10200	69	18
XWF-50-4M/H	1350	5.02			0.55	10200	69	18
XWF-50-4T/L	1350	1.66	0.96		0.25	7400	66	12
XWF-50-4M/L	1370	2.00			0.25	7400	66	12
XWF-50-6T/H	900	2.24	1.30		0.37	6300	59	18
XWF-50-6M/H	900	2.69			0.37	6300	59	18
XWF-56-4T/H	1400	4.03	2.32		1.10	13000	72	24
XWF-56-4/8T/H	1440 / 710		2.9 / 1.3		1.10/0.25	13000/6500	72/57	24
XWF-56-4T/L	1380	2.92	1.69		0.55	11050	70	18
XWF-56-4M/L	1380	4.60			0.55	11050	70	18
XWF-56-6T/H	900	2.24	1.30		0.37	8300	61	19
XWF-56-6M/H	900	2.69			0.37	8300	61	19
XWF-63-4T/H	1400	4.03	2.32		1.10	16450	74	26
XWF-63-4/8T/H	1440 / 710		2.9 / 1.3		1.10/0.25	16450/8225	74/59	26
XWF-63-4T/L	1410	3.10	1.79		0.75	14400	73	19
XWF-63-4M/L	1430	4.78			0.55	14400	73	19
XWF-63-6T/H	900	2.24	1.30		0.37	12350	64	21
XWF-63-6M/H	890	3.00			0.37	12350	64	21
XWF-71-4T/H	1430	5.96	3.44		1.50	22150	78	35
XWF-71-4/8T/H	1420 / 700		3.5 / 1.5		1.50/0.37	22200/11100	78/63	35
XWF-71-6T/H	945	3.90	2.20		0.75	17300	66	36
XWF-71-6/12T/H	935 / 435		2.2 / 0.87		0.75/0.15	17350/8675	66/51	35
XWF-71-6M/H	900	4.97			0.75	15600	65	36
XWF-80-4T/H	1445	10.96	6.33		3.00	33000	82	55
XWF-80-4/8T/H	1430 / 710		6.5 / 2.3		3.0/0.60	33000/16500	82/67	53
XWF-80-4T/L	1430	5.96	3.44		1.50	25000	79	44
XWF-80-6T/H	945	3.90	2.20		0.75	22000	71	45
XWF-80-6/12T/H	935 / 435		2.2 / 0.87		0.75/0.15	22000/11000	71/56	44
XWF-80-6T/L	900	2.99	1.73		0.55	19200	70	39
XWF-90-4T/H	1440	14.10	8.12		4.00	43700	86	68
XWF-90-4/8T/H	1430 / 710		8.2 / 2.9		4.00/0.80	43700/21850	86/69	74
XWF-90-4T/L	1445	10.96	6.33		3.00	33700	83	63
XWF-90-6T/H	955	6.42	3.71		1.50	33300	76	60
XWF-90-6/12T/H	970 / 470		4.6 / 1.9		1.50/0.25	33300/16650	76/61	70
XWF-90-6T/L	945	4.88	2.82		1.10	26550	73	55
XWF-90-8T/H	695	3.53	2.04		0.55	19800	69	54
XWF-100-4T/H	1440		11.60	6.72	5.50	54000	88	85
XWF-100-4/8T/H	1450 / 720		11.8 / 3.8		5.50/1.10	54000/27000	88/73	95
XWF-100-4T/L	1440	14.10	8.12		4.00	42750	84	71
XWF-100-6T/H	955	6.42	3.71		1.50	37000	78	63
XWF-100-6/12T/H	970 / 470		4.6 / 1.9		1.50/0.25	37000/18500	78/63	73
XWF-100-6T/L	945	4.88	2.82		1.10	29000	76	58
XWF-100-8T/H	705	4.68	2.70		0.75	26950	72	61

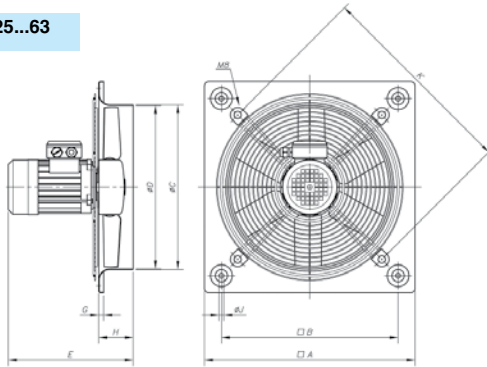
Erp. BEP (best efficiency point) characteristics



Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	mmH ₂ O	(RPM)
XWF-25-4T/H	-	-	-	-	-	-	0.099	707	5.15	1407
XWF-25-4M/H	-	-	-	-	-	-	0.102	693	5.24	1432
XWF-31-2T/H	A	S	NO	1.00	28.7%	38.5	0.284	1781	16.86	2743
XWF-31-2M/H	A	S	NO	1.00	27.9%	37.5	0.296	1764	17.16	2783
XWF-31-4T/H	-	-	-	-	-	-	0.110	1392	6.66	1397
XWF-31-4M/H	-	-	-	-	-	-	0.116	1388	6.68	1423
XWF-31-4T/L	-	-	-	-	-	-	0.099	922	6.81	1389
XWF-31-4M/L	-	-	-	-	-	-	0.104	948	6.44	1432
XWF-35-2T/H	A	S	NO	1.00	35.6%	43.4	0.584	3352	22.79	2703
XWF-35-4T/H	A	S	NO	1.00	31.5%	43.1	0.144	2044	8.13	1365
XWF-35-4M/H	A	S	NO	1.00	26.3%	37.5	0.172	2028	8.19	1387
XWF-35-4T/L	-	-	-	-	-	-	0.115	1466	6.79	1393
XWF-35-4M/L	-	-	-	-	-	-	0.123	1502	6.63	1419
XWF-40-4T/H	A	S	NO	1.00	29.8%	39.5	0.290	3617	8.79	1395
XWF-40-4M/H	A	S	NO	1.00	28.0%	37.5	0.311	3713	8.63	1406
XWF-40-4T/L	A	S	NO	1.00	30.6%	41.7	0.174	2394	8.17	1337
XWF-40-4M/L	A	S	NO	1.00	26.7%	37.5	0.199	2375	8.23	1369
XWF-45-4T/H	A	S	NO	1.00	36.3%	45.0	0.423	4282	13.18	1403
XWF-45-4M/H	A	S	NO	1.00	31.4%	39.7	0.490	4333	13.05	1418
XWF-45-4T/L	A	S	NO	1.00	31.9%	41.7	0.283	3635	9.12	1398
XWF-45-4M/L	A	S	NO	1.00	28.1%	37.5	0.322	3728	8.93	1403
XWF-45-6T/H	A	S	NO	1.00	28.8%	39.7	0.190	2675	7.51	935
XWF-45-6M/H	A	S	NO	1.00	26.8%	37.5	0.205	2819	7.17	953
XWF-50-4T/H	A	S	NO	1.00	34.2%	41.8	0.611	5349	14.34	1412
XWF-50-4M/H	A	S	NO	1.00	29.7%	37.0	0.708	5551	13.90	1418
XWF-50-4T/L	A	S	NO	1.00	40.8%	49.9	0.360	4320	12.50	1370
XWF-50-4M/L	A	S	NO	1.00	37.2%	46.0	0.395	4120	13.08	1381
XWF-56-4T/H	A	S	NO	1.00	35.8%	41.9	1.066	8315	16.85	1421
XWF-56-4/8T/H	A	S	NO	1.00	31.9%	37.7	1.205	8515	16.59	1454
XWF-56-4T/L	A	S	NO	1.00	38.7%	46.1	0.661	7355	12.76	1405
XWF-56-4M/L	A	S	NO	1.00	38.1%	45.6	0.673	7501	12.57	1422
XWF-56-6T/H	A	S	NO	1.00	32.6%	41.8	0.353	5086	8.30	941
XWF-56-6M/H	A	S	NO	1.00	28.7%	37.6	0.402	5247	8.09	929
XWF-63-4T/H	C	S	NO	1.00	40.1%	46.0	1.164	9340	18.35	1413
XWF-63-4/8T/H	C	S	NO	1.00	32.4%	37.8	1.429	9621	17.69	1445
XWF-63-4T/L	C	S	NO	1.00	40.7%	47.6	0.806	8607	14.00	1423
XWF-63-4M/L	C	S	NO	1.00	33.3%	39.7	0.986	8333	14.47	1385
XWF-63-6T/H	C	S	NO	1.00	33.4%	41.5	0.521	7201	8.89	913
XWF-63-6M/H	C	S	NO	1.00	31.7%	39.6	0.554	7578	8.51	903
XWF-71-4T/H	C	S	NO	1.00	42.0%	46.8	1.793	13627	20.31	1431
XWF-71-4/8T/H	C	S	NO	1.00	37.6%	42.0	2.034	13456	20.90	1421
XWF-71-6T/H	C	S	NO	1.00	34.4%	41.9	0.667	9443	8.94	963
XWF-71-6/12T/H	C	S	NO	1.00	30.7%	37.7	0.798	10137	8.89	953
XWF-71-6M/H	C	S	NO	1.00	29.4%	36.4	0.772	10923	7.63	929
XWF-80-4T/H	C	S	NO	1.00	48.4%	51.5	3.247	19996	28.89	1449
XWF-80-4/8T/H	C	S	NO	1.00	42.8%	45.5	3.680	20166	28.66	1433
XWF-80-4T/L	C	S	NO	1.00	50.1%	54.8	1.814	12760	26.16	1430
XWF-80-6T/H	C	S	NO	1.00	44.3%	50.8	0.935	12533	12.14	948
XWF-80-6/12T/H	C	S	NO	1.00	39.8%	46.0	1.041	12670	12.02	939
XWF-80-6T/L	C	S	NO	1.00	46.3%	53.3	0.802	10262	13.31	902
XWF-90-4T/H	C	S	NO	1.00	49.2%	52.0	3.650	24299	27.16	1452
XWF-90-4/8T/H	C	S	NO	1.00	43.0%	45.4	4.191	24026	27.54	1439
XWF-90-4T/L	C	S	NO	1.00	45.7%	49.1	2.923	19552	25.10	1454
XWF-90-6T/H	C	S	NO	1.00	40.2%	45.1	1.640	15731	15.38	961
XWF-90-6/12T/H	C	S	NO	1.00	37.1%	41.8	1.778	15887	15.24	974
XWF-90-6T/L	C	S	NO	1.00	41.5%	47.1	1.301	14635	13.55	949
XWF-90-8T/H	C	S	NO	1.00	39.2%	46.7	0.667	11772	8.16	707
XWF-100-4T/H	C	S	NO	1.00	47.2%	48.6	5.992	28190	36.83	1442
XWF-100-4/8T/H	C	S	NO	1.00	42.8%	43.9	6.592	28757	36.01	1453
XWF-100-4T/L	C	S	NO	1.00	49.9%	52.0	4.634	23348	36.36	1440
XWF-100-6T/H	C	S	NO	1.00	50.5%	55.1	1.905	20265	17.44	954
XWF-100-6/12T/H	C	S	NO	1.00	48.3%	52.8	1.992	20356	17.37	971
XWF-100-6T/L	C	S	NO	1.00	49.3%	54.8	1.342	17161	14.17	948
XWF-100-8T/H	C	S	NO	1.00	37.8%	44.1	1.023	16029	8.86	709

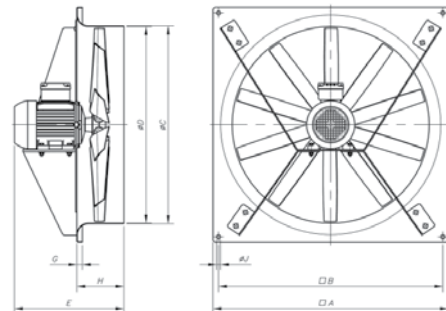
Dimensions in mm

XWF 25...63



Model	∅A	∅B	∅C	∅D	E	G	H	∅J	K
XWF-25	330	275	262	260	236.5	11	56	8.5	310
XWF-31-2	400	336	310.5	308	264.5	11	65	10.5	380
XWF-31-4	400	336	310.5	308	245.5	11	65	10.5	380
XWF-35-2	465	390	362.5	360	275.5	11	76	10.5	450
XWF-35-4	465	390	362.5	360	256.5	11	76	10.5	450
XWF-40-4.../H	532	452	412.5	410	297.5	11	97.5	10.5	500
XWF-40-4.../L	532	452	412.5	410	278.5	11	97.5	10.5	500
XWF-40-6.../H	532	452	412.5	410	308.5	11	97.5	10.5	500
XWF-45-4.../H	596	504	462.5	460	315.5	11	105	10.5	560
XWF-45-4.../L	596	504	462.5	460	304.5	11	105	10.5	560
XWF-45-6.../H	596	504	462.5	460	315.5	11	105	10.5	560
XWF-50-4T/H	665	562	516.5	514	325.5	11	115	10.5	640
XWF-50-4M/H	665	562	516.5	514	351	11	115	10.5	640
XWF-50-4.../L	665	562	516.5	514	283.5	11	115	10.5	640
XWF-50-6.../H	665	562	516.5	514	351	11	115	10.5	640
XWF-56-4T/H	710	630	563	560	374	15	115	10.5	721
XWF-56-4T/L	710	630	563	560	325.5	15	115	10.5	721
XWF-56-4M/L	710	630	563	560	351	15	115	10.5	721
XWF-56-6.../H	710	630	563	560	351	15	115	10.5	721
XWF-63-4T/H	800	710	638	635	399	15	140	10.5	820
XWF-63-4.../L	800	710	638	635	376	15	140	10.5	820
XWF-63-6.../H	800	710	638	635	376	15	140	10.5	820

XWF 71...100



Model	∅A	∅B	∅C	∅D	E	G	H	∅J
XWF-71-4T/H	850	810	715	711	395	20	170	14.5
XWF-71-6T/H	850	810	715	711	395	20	170	14.5
XWF-80-4T/H	970	910	801	797	488	20	210	14.5
XWF-80-4T/L	970	910	801	797	458	20	210	14.5
XWF-80-6T/H	970	910	801	797	458	20	210	14.5
XWF-80-6T/L	970	910	801	797	416	20	210	14.5
XWF-90-4T/H	1170	1110	918	914	511	20	210	14.5
XWF-90-4T/L	1170	1110	918	914	488	20	210	14.5
XWF-90-6T/H	1170	1110	918	914	488	20	210	14.5
XWF-90-6T/L	1170	1110	918	914	455	20	210	14.5
XWF-90-8T/H	1170	1110	918	914	455	20	210	14.5
XWF-100-4T/H	1170	1110	1003	999	548	20	220	14.5
XWF-100-4T/L	1170	1110	1003	999	521	20	220	14.5
XWF-100-6T/H	1170	1110	1003	999	498	20	220	14.5
XWF-100-6T/L	1170	1110	1003	999	468	20	220	14.5
XWF-100-8T/H	1170	1110	1003	999	498	20	220	14.5

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
XWF-25-2/H	38	48	65	65	73	69	62	53
XWF-25-4/H	25	35	52	52	60	56	49	40
XWF-31-2/H	46	56	73	73	81	77	70	61
XWF-31-4/H	28	38	55	55	63	59	52	43
XWF-31-4/L	26	36	53	53	61	57	50	41
XWF-35-2/H	50	60	77	77	85	81	74	65
XWF-35-4/H	32	42	59	59	67	63	56	47
XWF-35-4/L	30	40	57	57	65	61	54	45
XWF-40-4/H	28	45	57	65	70	70	66	59
XWF-40-4/L	29	45	55	59	66	66	62	55
XWF-40-6/H	20	37	49	57	62	62	58	51
XWF-45-4/H	33	50	63	70	75	76	71	64
XWF-45-4/L	36	51	61	66	72	73	69	62
XWF-45-6/H	24	41	54	61	66	67	62	55
XWF-50-4/H	36	53	66	73	78	79	74	67
XWF-50-4/L	39	54	64	69	75	76	72	65
XWF-50-6/H	26	43	56	63	68	69	64	57
XWF-56-4/H	39	56	69	76	81	82	77	70
XWF-56-6/H	28	45	58	65	70	71	66	59
XWF-56-8/H	24	41	54	61	66	67	62	55
XWF-56-4/L	43	58	68	73	79	80	76	69
XWF-63-4/H	43	60	73	80	85	86	81	74
XWF-63-6/H	33	50	63	70	75	76	71	64
XWF-63-8/H	28	45	58	65	70	71	66	59

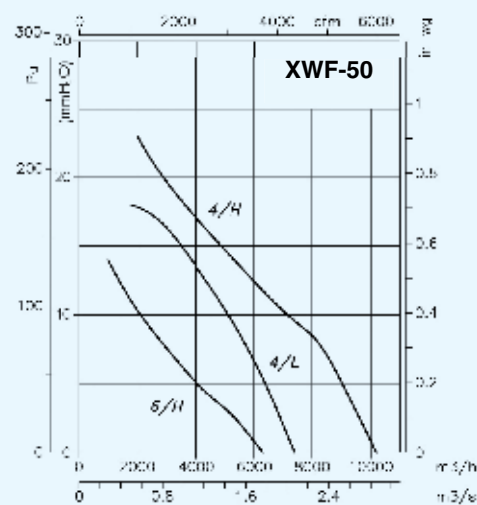
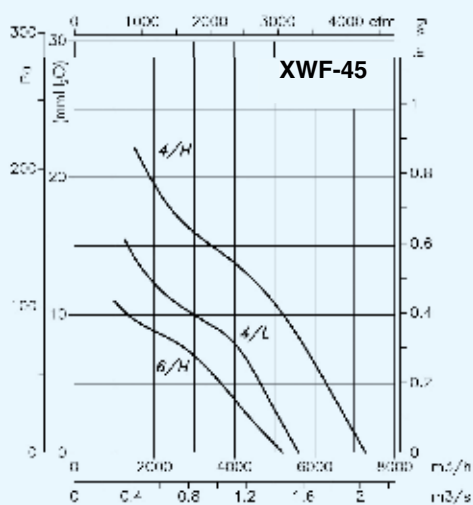
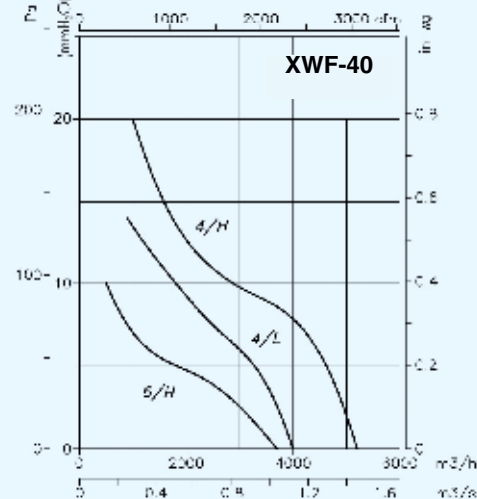
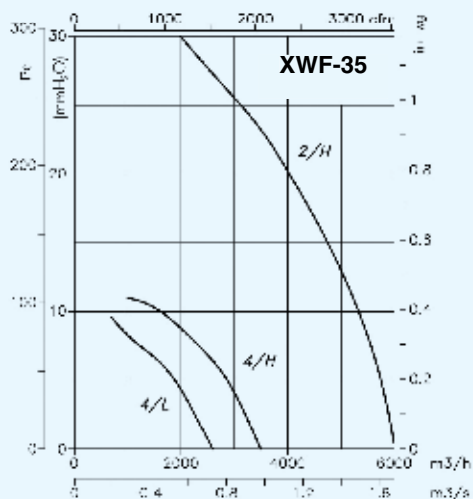
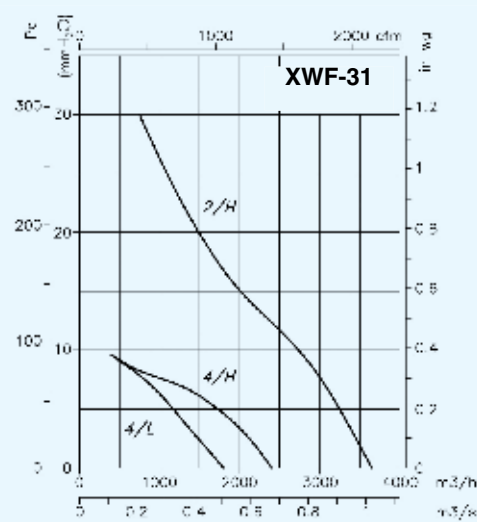
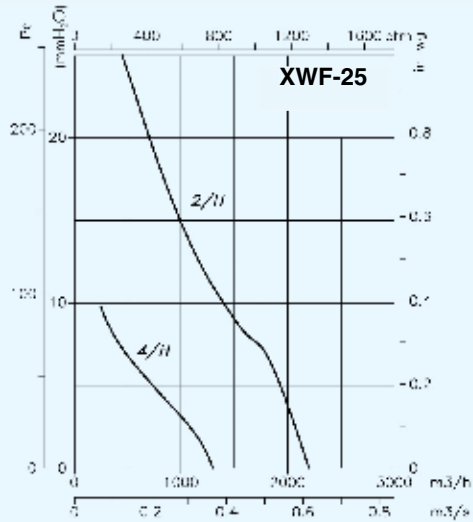
Model	63	125	250	500	1000	2000	4000	8000
XWF-63-4/L	48	63	73	78	84	85	81	74
XWF-71-4/H	47	64	77	84	89	90	85	78
XWF-71-6T/H	35	52	65	72	77	78	73	66
XWF-71-6M/H	34	51	64	71	76	77	72	65
XWF-71-8/H	32	49	62	69	74	75	70	63
XWF-71-12/H	20	37	50	57	62	63	58	51
XWF-80-4/H	60	81	88	93	96	92	85	74
XWF-80-6/H	49	70	77	82	85	81	74	63
XWF-80-8/H	45	66	73	78	81	77	70	59
XWF-80-12/H	34	55	62	67	70	66	59	48
XWF-80-4/L	57	78	85	90	93	89	82	71
XWF-80-6/L	48	69	76	81	84	80	73	62
XWF-90-4/H	64	85	92	97	100	96	89	78
XWF-90-6/H	54	75	82	87	90	86	79	68
XWF-90-8/H	47	68	75	80	83	79	72	61
XWF-90-12/H	39	60	67	72	75	71	64	53
XWF-90-4/L	61	82	89	94	97	93	86	75
XWF-90-6/L	51	72	79	84	87	83	76	65
XWF-100-4/H	68	88	96	101	103	100	93	82
XWF-100-6/H	58	78	86	91	93	90	83	72
XWF-100-8/H	52	72	80	85	87	84	77	66
XWF-100-12/H	43	63	71	76	78	75	68	57
XWF-100-4/L	64	84	92	97	99	96	89	78
XWF-100-6/L	56	76	84	89	91	88	81	70



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

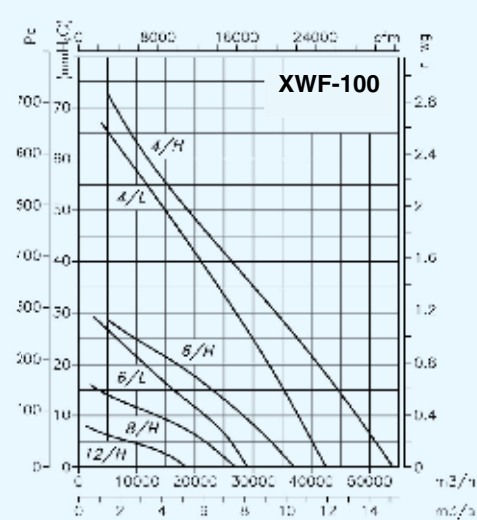
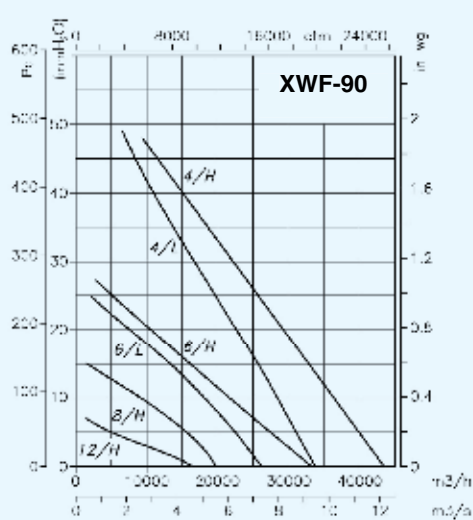
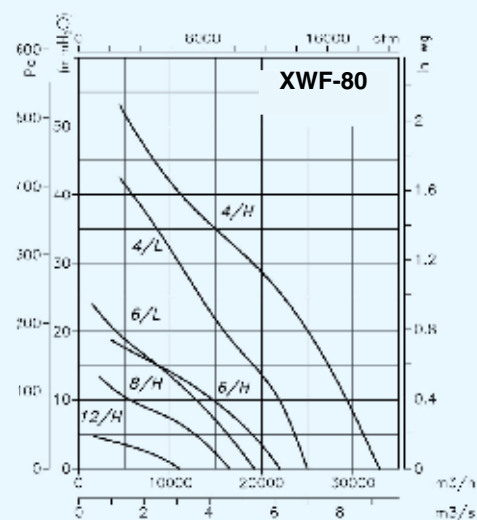
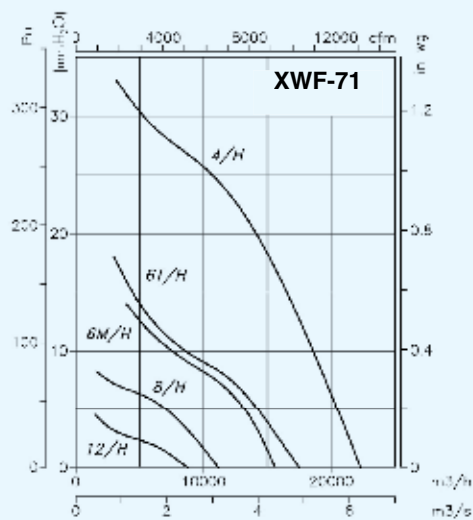
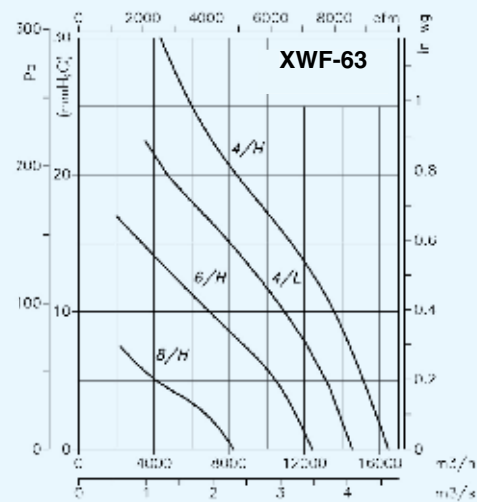
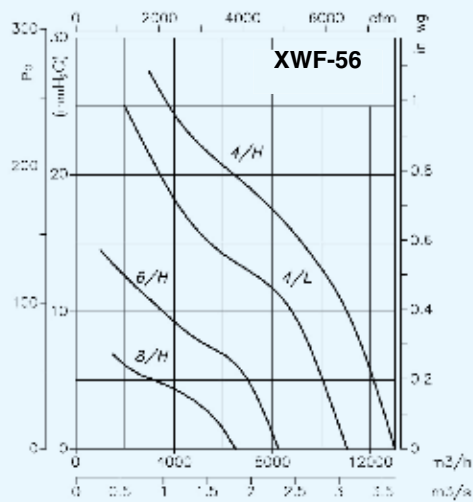




Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.



XWF/E



XWF/E: Wall-mounted axial fans with IP 54

Wall-mounted axial fans with support and blades in sheet steel, especially designed to obtain high energy efficiency.

Fan:

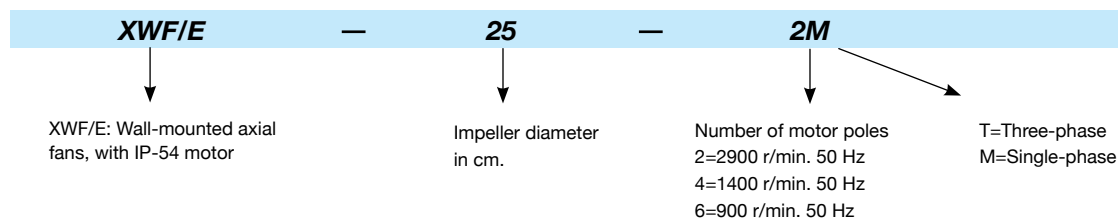
- Sheet steel base plate.
- Protection grille to prevent contacts according to standard UNE-EN ISO 12499:2010.
- Impeller in sheet steel.
- Airflow direction from motor to impeller.

Motor:

- Class F and B motors, with ball bearings, IP-54 protection High-efficiency external rotor motors.
- 230V single-phase. 50Hz and three-phase 400V 50Hz.
- Working temperature : -30°C. +60°C

Finish:

- Anticorrosive in polyester resin polymerised at 190°C, with prior alkaline degreasing and phosphate-free pre-treatment.

Order code

Technical characteristics

Model	Speed (r/min)	Frequency (Hz)	Power (W)	Current (A)	Maximum airflow (m3/h)	Noise level at 3m (dBA)
XWF/E-25-2T	2430	0,18	90	1330	56	3,0
XWF/E-25-2M	2480	0,45	100	1330	56	3,0
XWF/E-25-4T	1400	0,18	60	750	53	3,0
XWF/E-25-4M	1400	0,25	50	750	53	3,0
XWF/E-30-2T	2500	0,25	115	1850	59	3,3
XWF/E-30-2M	2400	0,55	125	1850	58	3,3
XWF/E-30-4T	1380	0,25	90	1400	54	3,3
XWF/E-30-4M	1350	0,42	90	1400	54	3,3
XWF/E-35-4T	1360	0,30	140	2670	58	5,0
XWF/E-35-4M	1380	0,60	140	2670	58	5,0
XWF/E-40-4T	1370	0,50	190	3800	60	6,0
XWF/E-40-4M	1350	0,90	190	3800	60	6,0
XWF/E-45-4T	1380	0,6	290	4500	62	7,5
XWF/E-45-4M	1350	1,10	300	4500	62	7,5
XWF/E-45-6T	910	0,18	165	2800	56	7,5
XWF/E-50-4T	1350	0,85	420	6250	69	10,0
XWF/E-50-4M	1320	2,00	420	625	69	10,0

Technical characteristics

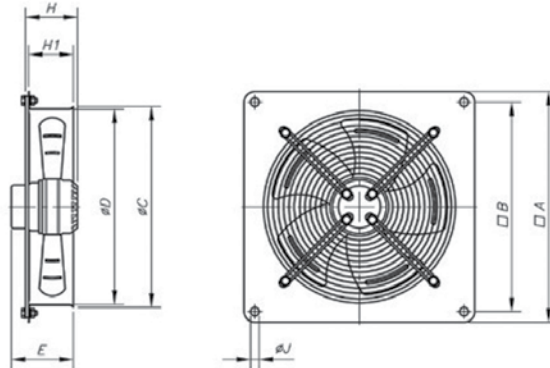
Model	Speed (r/min)	Frequency (Hz)	Power (W)	Current (A)	Maximum airflow (m ³ /h)	Noise level at 3m (dBA)
XWF/E-50-6T	920	0,62	220	4320	66	10,0
XWF/E-50-6M	920	1,10	220	4320	66	10,0
XWF/E-56-4T	1330	1,10	550	7500	73	10,5
XWF/E-56-4M	1300	2,50	530	7500	73	10,5
XWF/E-56-6T	910	0,85	320	6500	62	10,5
XWF/E-56-6M	910	1,50	320	6500	62	10,5
XWF/E-63-4T	1350	1,60	850	10800	74	15,4
XWF/E-63-4M	1360	3,70	800	10800	74	15,4
XWF/E-63-6T	900	1,40	550	9300	67	15,4
XWF/E-63-6M	900	2,50	520	9300	67	15,4
XWF/E-71-6T	910	2,00	1100	15500	71	25,0

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m ³ /h)	(mmH ₂ O)	(RPM)
XWF/E-25-2T	-	-	-	-	-	-	0,087	839	9,31	2451
XWF/E-25-2M	-	-	-	-	-	-	0,099	821	9,52	2487
XWF/E-25-4T	-	-	-	-	-	-	0,057	474	2,97	1405
XWF/E-25-4M	-	-	-	-	-	-	0,048	464	3,04	1403
XWF/E-30-2T	-	-	-	-	-	-	0,111	1160	8,69	2515
XWF/E-30-2M	-	-	-	-	-	-	0,121	1143	8,82	2419
XWF/E-30-4T	-	-	-	-	-	-	0,081	830	5,00	1392
XWF/E-30-4M	-	-	-	-	-	-	0,089	809	5,12	1352
XWF/E-35-4T	A	s	NO	1,00	27,5%	39,4	0,130	1803	7,29	1370
XWF/E-35-4M	A	s	NO	1,00	25,8%	37,6	0,139	1751	7,51	1381
XWF/E-40-4T	A	s	NO	1,00	26,2%	38,1	0,127	2437	5,00	1413
XWF/E-40-4M	A	s	NO	1,00	24,9%	36,8	0,133	2384	5,12	1395
XWF/E-45-4T	A	s	NO	1,00	28,8%	38,7	0,270	2709	10,52	1388
XWF/E-45-4M	A	s	NO	1,00	27,0%	36,7	0,287	2642	10,76	1356
XWF/E-45-6T	A	s	NO	1,00	25,6%	37,5	0,131	2210	5,60	928
XWF/E-50-4T	A	s	NO	1,00	34,4%	44,5	0,258	3886	8,37	1408
XWF/E-50-4M	A	s	NO	1,00	31,9%	41,8	0,278	3810	8,54	1381
XWF/E-50-6T	A	s	NO	1,00	27,9%	39,5	0,144	2416	6,12	948
XWF/E-50-6M	A	s	NO	1,00	25,6%	37,0	0,157	2337	6,32	943
XWF/E-56-4T	A	s	NO	1,00	30,4%	39,4	0,378	5010	8,42	1383
XWF/E-56-6T	A	s	NO	1,00	29,4%	39,4	0,268	4231	6,83	925
XWF/E-56-6M	A	s	NO	1,00	27,1%	36,8	0,291	4090	7,06	918
XWF/E-63-4T	C	s	NO	1,00	31,8%	39,2	0,667	6835	11,39	1382
XWF/E-63-6T	C	s	NO	1,00	31,2%	39,4	0,500	5853	9,77	909
XWF/E-63-6M	C	s	NO	1,00	30,7%	38,9	0,507	5767	9,92	902
XWF/E-71-6T	C	s	NO	1,00	35,4%	41,9	0,917	9846	12,08	925

Dimensions in mm

XWF/E

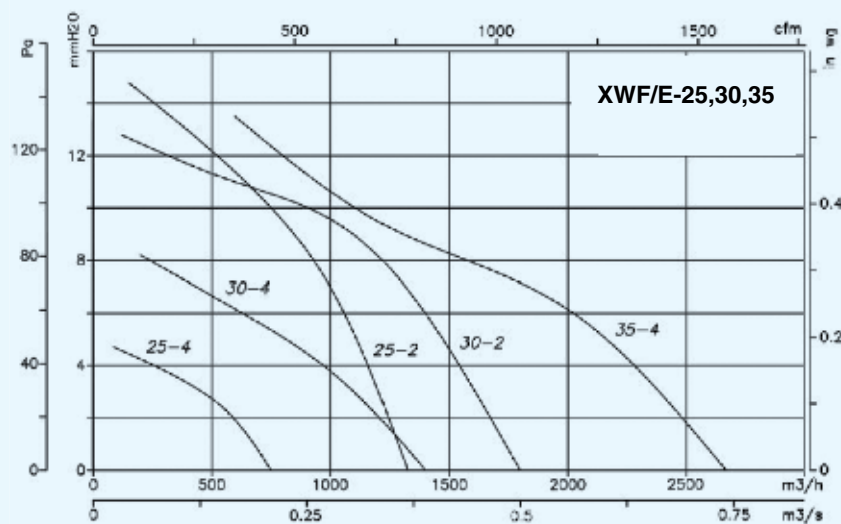


Model	A	B	ØC	ØD	E	H	H1	ØJ
XWF/E-25	370	320	280	260	119	-	50	3.9
XWF/E-30	430	380	355	315	130	-	63	10
XWF/E-35	485	435	380	360	159	-	70	10
XWF/E-40	540	490	430	410	172	-	83	10
XWF/E-45	575	520	480	460	185	-	90	10
XWF/E-50	665	615	630	510	189	-	106	10
XWF/E-56	725	670	570	560	203	-	106	10
XWF/E-63	805	750	665	645	225	-	110	10
XWF/E-71	850	810	755	725	-	235	-	10

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

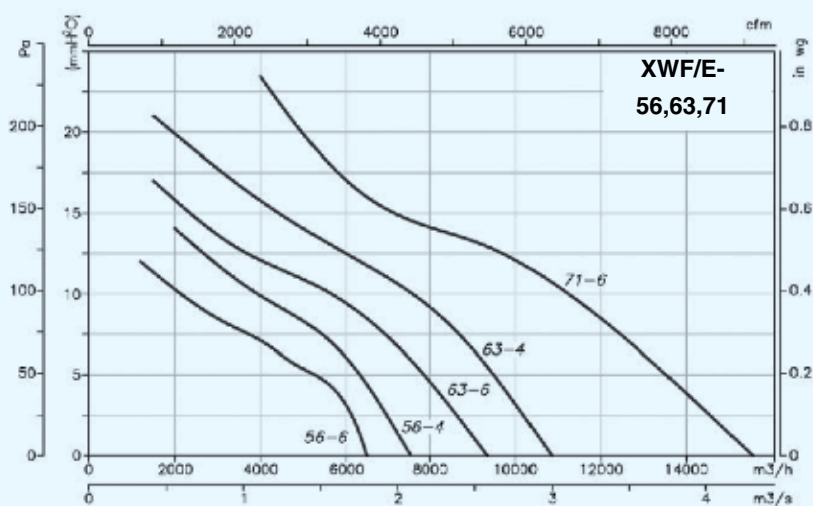
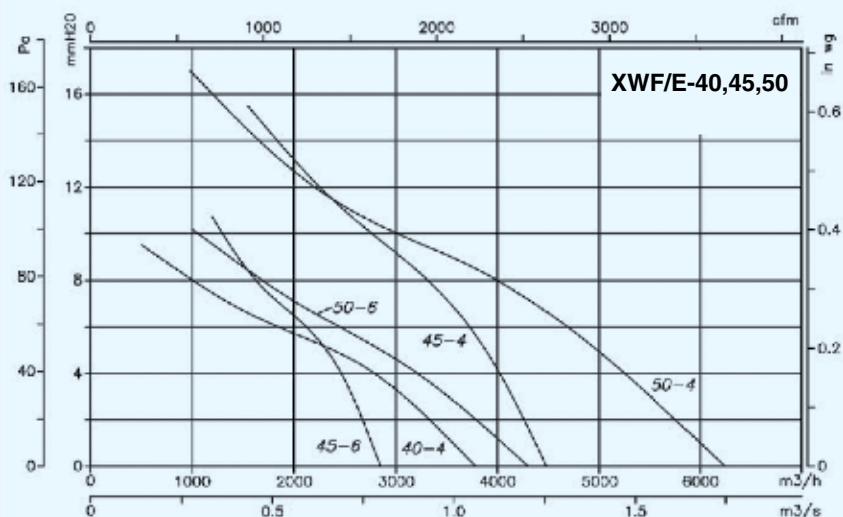




Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.



XCF

Duct mounted axial or long-cased fans

Duct mounted axial or long-cased fans, PL version supplied with plastic impeller and AL version supplied with aluminium impeller



Fan:

- Airflow direction from motor to impeller
- version impellers in polyamide reinforced with fibreglass / version in cast aluminium
- Sheet steel long casing with external terminal board

Motor:

- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with ball bearings and IP55 protection, except single-phase versions from size 45 to size 56, IP54 protection.
- One- or two-speed depending on the model
- Single-phase 230V -50Hz. and three-phase 230/400V.50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -25°C.+ 50°C

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Airflow direction from impeller to motor.
- 100% reversible impellers
- Special windings for different voltages.
- ATEX certification, Category 2

Order code

XCF	—	40	—	2T	—	1,5	—	PL
↓		↓		↓		↓		↓
Robust long-cased axial fans		Impeller diameter in cm.		Number of motor poles 2=2900 r/min. 50 Hz 4=1400 r/min. 50 Hz 6=900 r/min. 50 Hz 8=750 r/min. 50 Hz 12=500 r/min. 50 Hz		T=Three-phase M=Single-phase Motor power (CV)		PL=Plastic impeller AL=Aluminium impeller

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
XCF-25-2T	2670	0.64		0.37	0.09	1950	64	7
XCF-25-2M	2760	0.79			0.09	1950	64	7
XCF-25-4T	1320	0.65		0.38	0.09	1000	50	7
XCF-25-4M	1380	0.65			0.10	1000	50	7
XCF-31-2T	2750	1.21		0.70	0.18	2900	70	8
XCF-31-2M	2780	1.42			0.18	2900	70	8
XCF-31-4T	1320	0.65		0.38	0.09	1550	52	8
XCF-31-4M	1380	0.65			0.10	1550	52	8
XCF-35-2T	2710	1.92		1.11	0.37	5750	77	12
XCF-35-2M	2780	2.53			0.37	5750	77	12
XCF-35-4T	1320	0.65		0.38	0.09	3100	59	10
XCF-35-4M	1380	0.65			0.10	3100	59	10
XCF-40-2T-1.5	2860	4.20		2.40	1.10	8800	84	25
XCF-40-4T-0.33	1350	1.66		0.96	0.25	5150	64	21
XCF-45-2T-2	2770	5.44		3.13	1.50	10650	86	31
XCF-45-2T-3	2885	7.77		4.47	2.20	12750	88	34
XCF-45-2/4T-3	2910 / 1420		5.00 / 1.60		2.20 / 0.60	12750/6375	88/73	33
XCF-45-4T-0.5	1370	2.02		1.17	0.37	7100	68	24
XCF-45-4M-0.5	1400	2.76			0.37	7100	68	24
XCF-50-4T-0.75	1380	2.92		1.69	0.55	10400	70	28
XCF-56-4T-0.75	1380	2.92		1.69	0.55	11050	72	33
XCF-56-4M-0.75	1450	4.40			0.55	11050	72	33

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
XCF-56-4T-1	1410	3.10		1.79	0.75	12950	73	34
XCF-56-4/8T-1	1430 / 710		2.00 / 0.90		0.75 / 0.20	12950/6475	73/58	35
XCF-56-4T-1.5	1400	4.03		2.32	1.10	14000	74	37
XCF-56-4/8T-1.5	1440 / 710		2.90 / 1.30		1.10 / 0.25	14000/7000	74/59	35
XCF-56-4T-2	1430	5.96		3.44	1.50	15300	75	39
XCF-56-4/8T-2	1420 / 700		3.50 / 1.50		1.50 / 0.37	15300/7650	75/60	39
XCF-56-6T -0.33	900	1.51		0.87	0.25	8500	61	30
XCF-56-6M -0.33	950	1.85			0.25	8400	61	31
XCF-56-6T -0.5	900	2.24		1.30	0.37	9300	61	32
XCF-56-6T -0.75	900	2.99		1.73	0.55	10000	62	34
XCF-63-4T-1	1410	3.10		1.79	0.75	14150	73	42
XCF-63-4/8T-1	1430 / 710		2.00 / 0.90		0.75 / 0.20	14150/7075	73/58	43
XCF-63-4T-1.5	1400	4.03		2.32	1.10	17000	74	45
XCF-63-4/8T-1.5	1440 / 710		2.90 / 1.30		1.10 / 0.25	17000/8500	74/59	44
XCF-63-4T-2	1430	5.96		3.44	1.50	18900	75	48
XCF-63-4/8T-2	1420 / 700		3.50 / 1.50		1.50 / 0.37	18900/9450	75/60	48
XCF- 63-4T-3	1445	8.36		4.83	2.20	22100	76	57
XCF-63-4/8T-3	1430 / 710		4.90 / 1.70		2.20 / 0.45	22100/11050	76/61	54
XCF-63-4T-4	1445	10.96		6.33	3.00	25400	77	59
XCF-63-4/8T-4	1430 / 710		6.50 / 2.30		3.00 / 0.60	25400/12700	77/62	57
XCF-63-6T -0.5	900	2.24		1.30	0.37	12150	64	40
XCF-63-6M -0.5	900	2.69			0.37	12150	64	40
XCF-63-6T -0.75	900	2.99		1.73	0.55	12750	65	42
XCF-63-6T -1	945	3.90		2.20	0.75	13800	66	48
XCF-63-6/12T-1	935 / 435		2.20 / 0.87		0.75 / 0.15	13800/6900	66/51	47
XCF-71-4T-1.5	1400	4.03		2.32	1.10	19750	78	52
XCF-71-4/8T-1.5	1440 / 710		2.90 / 1.30		1.10 / 0.25	19600/9800	78/63	51
XCF-71-4T-2	1430	5.96		3.44	1.50	21100	79	55
XCF-71-4/8T-2	1420 / 700		3.50 / 1.50		1.50 / 0.37	21100/10550	79/64	54
XCF-71-4T-3	1445	8.36		4.83	2.20	23950	81	64
XCF-71-4/8T-3	1430 / 710		4.90 / 1.70		2.20 / 0.45	24150/12075	81/66	61
XCF-71-4T-4	1445	10.96		6.33	3.00	29400	82	66
XCF-71-4/8T-4	1430 / 710		6.50 / 2.30		3.00 / 0.60	29550/14775	82/67	64
XCF-71-6T -0.75	900	2.99		1.73	0.55	15150	67	49
XCF-71-6M -0.75	900	3.84			0.55	15150	67	49
XCF-71-6T -1	945	3.90		2.20	0.75	17250	68	55
XCF-71-6/12T-1	935 / 435		2.20 / 0.87		0.75 / 0.15	17150/8575	68/53	54
XCF-71-6T -1.5	945	4.88		2.82	1.10	20950	69	57
XCF-71-6/12T-1.5	950 / 470		3.00 / 1.15		1.10 / 0.18	20950/10475	69/54	56
XCF-80-4T-3	1445	8.36		4.83	2.20	28000	82	72
XCF-80-4/8T-3	1430 / 710		4.90 / 1.70		2.20 / 0.45	28000/14000	82/67	69
XCF-80-4T-4	1445	10.96		6.33	3.00	32700	83	74
XCF-80-4/8T-4	1430 / 710		6.50 / 2.30		3.00 / 0.60	32700/16350	83/68	73
XCF-80-4T-5.5	1440	14.10		8.12	4.00	37200	84	79
XCF-80-4/8T-5.5	1430 / 710		8.20 / 2.90		4.00 / 0.80	37200/18600	84/69	85
XCF-80-6T -1	945	3.90		2.20	0.75	20600	71	64
XCF-80-6/12T-1	935 / 435		2.20 / 0.87		0.75 / 0.15	20600/10300	71/56	63
XCF-80-6T -1.5	945	4.88		2.82	1.10	24250	72	66
XCF-80-6/12T-1.5	950 / 470		3.00 / 1.15		1.10 / 0.18	24250/12125	72/57	65
XCF-80-6T -2	955	6.42		3.71	1.50	28000	73	71
XCF-80-6/12T-2	970 / 470		4.60 / 1.90		1.50 / 0.25	28000/14000	73/58	81
XCF-80-6T -3	955	9.30		5.30	2.20	32500	74	76
XCF-80-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	32500/16250	74/59	81
XCF-80-8T-0.5	700	2.77		1.60	0.37	16600	69	63
XCF-80-8T-0.75	695	3.53		2.04	0.55	19600	70	65
XCF-80-8T-1	705	4.68		2.70	0.75	22150	71	69
XCF-90-4T-4	1445	10.96		6.33	3.00	37750	87	90
XCF-90-4/8T-4	1430 / 710		6.50 / 2.30		3.00 / 0.60	37750/18875	87/72	88
XCF-90-4T-5.5	1440	14.10		8.12	4.00	41850	89	95
XCF-90-4/8T-5.5	1430 / 710		8.20 / 2.90		4.00 / 0.80	41850/20925	89/74	101
XCF-90-4T-7.5	1440		11.60		6.725.50	47000	91	109
XCF-90-4/8T-7.5	1450 / 720		11.80 / 3.80		5.50 / 1.10	47000/23500	91/76	119
XCF-90-4T-10	1455		14.20		8.207.50	53000	92	120
XCF-90-4/8T-10	1460 / 725		15.30 / 5.40		7.50 / 1.50	53000/26500	92/77	124
XCF-90-6T -2	955	6.42		3.71	1.50	30000	77	87



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
XCF-90-6/12T-2	970 / 470		4.60 / 1.90		1.50 / 0.25	30000/15000	77/62	97
XCF-90-6T -3	955	9.30	5.30		2.20	35000	78	92
XCF-90-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	35000/17500	78/63	97
XCF-90-6T -4	960	12.70	7.30		3.00	40000	79	114
XCF-90-6/12T-4	960 / 480		9.00 / 3.50		3.00 / 0.55	40000/20000	79/64	113
XCF-90-8T-1	705	4.68	2.70		0.75	22400	71	85
XCF-90-8T-1.5	705	5.63	3.25		1.10	24150	72	88
XCF-90-8T-2	705	7.10	4.10		1.50	26300	73	99
XCF-90-8T-3	705	9.53	5.50		2.20	30150	74	124
XCF-100-4T-7.5	1440		11.60		6.725.50	52500	92	121
XCF-100-4/8T-7.5	1450 / 720		11.80 / 3.80		5.50 / 1.10	52500/26250	92/77	128
XCF-100-4T-10	1455		14.20		8.207.50	58500	93	131
XCF-100-4/8T-10	1460 / 725		15.30 / 5.40		7.50 / 1.50	58500/29250	93/78	135
XCF-100-4T-15	1460		20.20		11.6011.00	68000	94	160
XCF-100-4/8T-15	1470 / 725		23.20 / 8.70		11.00 / 2.80	68000/34000	94/79	160
XCF-100-4T-20	1460		27.50		15.9015.00	71850	95	179
XCF-100-4/8T-20	1460 / 725		31.72 / 11.75		15.00 / 3.80	72450/36225	95/80	175
XCF-100-6T -3	955	9.30	5.30		2.20	40500	82	103
XCF-100-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	40500/20250	82/67	108
XCF-100-6T -4	960	12.70	7.30		3.00	46950	83	125
XCF-100-6/12T-4	960 / 480		9.00 / 3.50		3.00 / 0.55	46950/23475	83/68	124
XCF-100-6T -5.5	960	16.50	9.46		4.00	52000	84	133
XCF-100-6/12T-5.5	970 / 480		4.00 / 11.00		4.00 / 0.65	52000/26000	84/69	129
XCF-100-8T-1.5	705	5.63	3.25		1.10	32500	76	99
XCF-100-8T-2	705	7.10	4.10		1.50	33850	77	110
XCF-100-8T-3	705	9.53	5.50		2.20	35150	77	135
XCF-100-8T-4	705	12.82	7.40		3.00	37800	78	143

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
XCF-25-4M	-	-	-	-	-	-	0.102	566	3.59	1386
XCF- 25-4T	-	-	-	-	-	-	0.099	586	3.45	1358
XCF- 31-2M	A	S	NO	1.00	27.6%	37.5	0.266	1652	16.33	2805
XCF- 31-2T	A	S	NO	1.00	29.4%	39.5	0.250	1708	15.79	2774
XCF- 31-4M	-	-	-	-	-	-	0.111	1004	4.09	1418
XCF- 31-4T	-	-	-	-	-	-	0.103	1013	4.06	1397
XCF- 35-2M	A	S	NO	1.00	36.5%	44.6	0.524	2983	23.52	2791
XCF- 35-2T	A	S	NO	1.00	37.1%	45.2	0.515	2998	23.40	2737
XCF- 35-4M	A	S	NO	1.00	25.6%	37.4	0.137	1851	6.96	1425
XCF- 35-4T	A	S	NO	1.00	27.4%	39.3	0.128	1857	6.94	1400
XCF- 40-2T-1.5	A	S	NO	1.00	33.9%	40.2	1.029	4386	29.24	2896
XCF- 40-4T-0.33	A	S	NO	1.00	32.0%	41.7	0.289	3401	10.00	1396
XCF- 45-2T-2	A	S	NO	1.00	36.9%	42.0	1.573	5401	39.47	2805
XCF- 45-2T-3	A	S	NO	1.00	38.7%	43.1	2.047	8183	35.55	2910
XCF- 45-2/4T-3	A	S	NO	1.00	37.7%	42.0	2.110	8454	34.61	2934
XCF- 45-4T-0.5	A	S	NO	1.00	33.4%	41.8	0.475	4228	13.80	1392
XCF- 45-4M-0.5	A	S	NO	1.00	29.6%	37.6	0.538	4257	13.73	1410
XCF- 50-4T-0.75	A	S	NO	1.00	29.5%	37.0	0.649	3716	18.91	1406
XCF- 56-4T-0.75	A	S	NO	1.00	33.2%	40.6	0.660	6808	11.81	1405
XCF- 56-4M-0.75	A	S	NO	1.00	32.7%	40.1	0.669	6622	12.13	1422
XCF- 56-4T-1	A	S	NO	1.00	33.2%	40.3	0.759	6599	14.03	1423
XCF- 56-4T-1.5	A	S	NO	1.00	31.3%	37.7	0.973	7130	15.69	1427
XCF- 56-6T -0.33	A	S	NO	1.00	31.4%	41.7	0.237	3564	7.69	919
XCF- 56-6M -0.33	A	S	NO	1.00	26.6%	36.3	0.293	4104	6.98	933

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	η_e [%]	N	(kW)	(m ³ /h)	(mmH ₂ O)	(RPM)
XCF-63-4T-1	C	S	NO	1.00	45.0%	52.0	0.794	8989	14.61	1424
XCF-63-4/8T-1	C	S	NO	1.00	38.2%	44.7	0.938	8924	14.74	1440
XCF-63-4T-1.5	C	S	NO	1.00	45.3%	51.1	1.179	10593	18.50	1412
XCF-63-4/8T-1.5	C	S	NO	1.00	41.4%	47.1	1.286	10448	18.74	1451
XCF-63-4T-2	C	S	NO	1.00	44.6%	49.8	1.493	11688	20.93	1442
XCF-63-4/8T-2	C	S	NO	1.00	38.4%	43.2	1.734	11566	21.13	1433
XCF-63-4T-3	C	S	NO	1.00	35.7%	40.0	2.105	14963	18.46	1456
XCF-63-4/8T-3	C	S	NO	1.00	33.4%	37.5	2.248	14534	18.99	1446
XCF-63-6T -0.5	C	S	NO	1.00	32.7%	41.1	0.474	6417	8.88	921
XCF-63-6M -0.5	C	S	NO	1.00	32.2%	40.6	0.482	6339	8.99	915
XCF-63-6T -0.75	C	S	NO	1.00	32.6%	40.6	0.547	6936	9.46	933
XCF-63-6T -1	C	S	NO	1.00	29.1%	36.2	0.748	7611	10.50	958
XCF-71-4T-1.5	C	S	NO	1.00	53.4%	59.2	1.217	11355	21.04	1409
XCF-71-4/8T-1.5	C	S	NO	1.00	45.1%	50.4	1.411	11393	20.50	1446
XCF-71-4T-2	C	S	NO	1.00	50.1%	55.3	1.508	13256	20.95	1442
XCF-71-4/8T-2	C	S	NO	1.00	43.7%	48.5	1.731	13141	21.15	1433
XCF-71-4T-3	C	S	NO	1.00	45.6%	49.8	2.216	14513	25.59	1453
XCF-71-4/8T-3	C	S	NO	1.00	41.7%	45.6	2.478	14275	26.60	1441
XCF-71-4T-4	C	S	NO	1.00	38.4%	41.3	3.404	18556	25.85	1447
XCF-71-4/8T-4	C	S	NO	1.00	37.5%	40.4	3.534	18165	26.80	1436
XCF-71-6T -0.75	C	S	NO	1.00	35.7%	43.0	0.710	8036	11.60	913
XCF-71-6M -0.75	C	S	NO	1.00	33.6%	40.7	0.755	7945	11.73	908
XCF-71-6T -1	C	S	NO	1.00	35.3%	42.3	0.796	8550	12.07	956
XCF-71-6/12T-1	C	S	NO	1.00	33.6%	40.5	0.829	8626	11.87	952
XCF-71-6T -1.5	C	S	NO	1.00	37.6%	43.6	1.123	12806	12.11	956
XCF-71-6/12T-1.5	C	S	NO	1.00	30.6%	36.1	1.373	12573	12.28	952
XCF-80-4T-3	C	S	NO	1.00	56.7%	60.7	2.309	16178	29.73	1451
XCF-80-4/8T-3	C	S	NO	1.00	50.1%	53.8	2.621	15754	30.61	1437
XCF-80-4T-4	C	S	NO	1.00	54.0%	57.1	3.246	19442	33.11	1449
XCF-80-4/8T-4	C	S	NO	1.00	50.1%	53.0	3.496	19059	33.78	1437
XCF-80-4T-5.5	C	S	NO	1.00	51.4%	53.8	4.207	20980	37.85	1445
XCF-80-4/8T-5.5	C	S	NO	1.00	50.0%	52.3	4.324	20666	38.41	1437
XCF-80-6T -1	C	S	NO	1.00	48.0%	54.5	0.939	12168	13.62	948
XCF-80-6/12T-1	C	S	NO	1.00	43.1%	49.3	1.043	12343	13.38	939
XCF-80-6T -1.5	C	S	NO	1.00	46.7%	52.1	1.380	15312	15.45	946
XCF-80-6/12T-1.5	C	S	NO	1.00	43.1%	48.4	1.492	15127	15.63	952
XCF-80-6T -2	C	S	NO	1.00	42.2%	46.8	1.845	17013	16.79	956
XCF-80-6/12T-2	C	S	NO	1.00	39.2%	43.7	1.979	16702	17.06	971
XCF-80-6T -3	C	S	NO	1.00	36.1%	40.1	2.408	18724	17.07	960
XCF-80-6/12T-3	C	S	NO	1.00	33.3%	37.1	2.598	18276	17.42	948
XCF-80-8T-0.5	C	S	NO	1.00	36.0%	43.8	0.584	10464	7.37	701
XCF-80-8T-0.75	C	S	NO	1.00	33.9%	40.7	0.830	12481	8.28	696
XCF-80-8T-1	C	S	NO	1.00	35.4%	41.6	1.070	14234	9.79	707
XCF-90-4T-4	C	S	NO	1.00	58.1%	61.1	3.362	20308	35.36	1447
XCF-90-4/8T-4	C	S	NO	1.00	53.2%	55.9	3.681	20152	35.69	1433
XCF-90-4T-5.5	C	S	NO	1.00	56.2%	58.5	4.306	24635	36.06	1444
XCF-90-4/8T-5.5	C	S	NO	1.00	53.9%	56.1	4.487	24524	36.24	1435
XCF-90-4T-7.5	C	S	NO	1.01	53.2%	54.6	6.004	26945	43.56	1442
XCF-90-4/8T-7.5	C	S	NO	1.01	47.6%	48.7	6.705	26824	43.74	1452
XCF-90-4T-10	C	S	NO	1.01	50.3%	51.0	7.864	33102	43.89	1458
XCF-90-4/8T-10	C	S	NO	1.01	46.3%	46.7	8.546	32957	44.09	1463
XCF-90-6T -2	C	S	NO	1.00	50.9%	55.7	1.777	18106	18.37	957
XCF-90-6/12T-2	C	S	NO	1.00	46.5%	51.0	1.944	18044	18.42	971
XCF-90-6T -3	C	S	NO	1.00	43.0%	46.8	2.492	22079	17.82	958
XCF-90-6/12T-3	C	S	NO	1.00	38.8%	42.4	2.760	21982	17.90	945
XCF-90-6T -4	C	S	NO	1.00	38.7%	42.0	3.091	22590	19.47	965
XCF-90-6/12T-4	C	S	NO	1.00	33.4%	36.2	3.606	23773	18.62	961
XCF-90-8T-1	C	S	NO	1.00	42.4%	48.8	0.980	13430	11.36	715
XCF-90-8T-1.5	C	S	NO	1.00	34.9%	40.5	1.332	14032	12.18	710
XCF-90-8T-2	C	S	NO	1.00	37.3%	42.8	1.375	14674	12.84	719
XCF-90-8T-3	C	S	NO	1.00	36.6%	41.5	1.675	16898	13.32	724
XCF-100-4T-7.5	C	S	NO	1.00	51.0%	52.4	5.965	27281	40.95	1443



Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
XCF-100-4/8T-7.5	C	S	NO	1.00	45.7%	46.8	6.658	27102	41.24	1452
XCF-100-4T-10	C	S	NO	1.00	47.5%	48.1	7.982	36164	38.48	1458
XCF-100-4/8T-10	C	S	NO	1.00	43.0%	43.3	8.817	35646	39.03	1465
XCF-100-4T-15	C	S	NO	1.01	47.7%	47.6	11.541	44388	45.52	1462
XCF-100-4/8T-15	C	S	NO	1.01	43.0%	42.9	12.785	44106	45.84	1471
XCF-100-4T-20	C	S	NO	1.01	44.5%	44.3	13.387	46050	47.49	1468
XCF-100-4/8T-20	C	S	NO	1.01	41.5%	41.2	14.690	43763	51.13	1467
XCF-100-6T -3	C	S	NO	1.00	47.3%	51.1	2.461	23849	17.92	959
XCF-100-6/12T-3	C	S	NO	1.00	41.7%	45.3	2.789	23616	18.11	944
XCF-100-6T -4	C	S	NO	1.00	43.5%	46.3	3.541	28826	19.61	960
XCF-100-6/12T-4	C	S	NO	1.00	38.7%	41.2	3.980	28654	19.74	961
XCF-100-6T -5.5	C	S	NO	1.00	41.7%	43.8	4.637	32856	21.61	965
XCF-100-6/12T-5.5	C	S	NO	1.00	39.1%	41.1	4.939	32699	21.71	971
XCF-100-8T-1.5	C	S	NO	1.00	47.6%	52.9	1.452	19345	13.11	707
XCF-100-8T-2	C	S	NO	1.00	42.7%	47.2	1.923	20901	14.42	706
XCF-100-8T-3	C	S	NO	1.00	34.2%	38.0	2.567	20286	15.90	710
XCF-100-8T-4	C	S	NO	1.00	33.3%	36.6	3.027	21510	17.21	715

Acoustic features

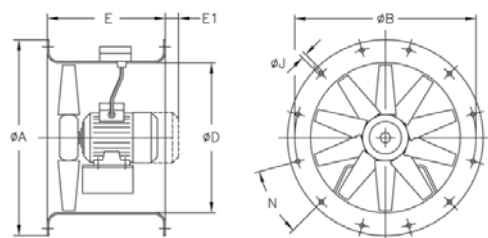
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
XCF- 25-2	35	50	69	68	69	68	63	54
XCF- 25-4	21	36	55	54	55	54	49	40
XCF- 31-2	41	56	75	74	75	74	69	60
XCF- 31-4	23	38	57	56	57	56	51	42
XCF- 35-2	48	63	82	81	82	81	76	67
XCF- 35-4	30	45	64	63	64	63	58	49
XCF- 40-2	55	70	89	88	89	88	83	74
XCF- 40-4	35	50	69	68	69	68	63	54
XCF- 45-2-2	51	68	80	88	93	93	89	82
XCF- 45-2-3	53	70	82	90	95	95	91	84
XCF- 03/04/1945 (2v)	38	55	67	75	80	80	76	69
XCF- 45-4-0.5	33	50	62	70	75	75	71	64
XCF- 45-6	20	37	49	57	62	62	58	51
XCF- 50-4	37	54	67	74	79	80	75	68
XCF- 56-4-0.75	47	67	75	80	82	79	72	61
XCF- 56-4-1	48	68	76	81	83	80	73	62
XCF- 56-8-1 (2v)	33	53	61	66	68	65	58	47
XCF- 56-4-1.5	49	69	77	82	84	81	74	63
XCF- 56-8-1.5 (2v)	34	54	62	67	69	66	59	48
XCF- 56-4-2	50	70	78	83	85	82	75	64
XCF- 02/08/1956 (2v)	35	55	63	68	70	67	60	49
XCF- 56-6-0.33	36	56	64	69	71	68	61	50
XCF- 56-6-0.5	36	56	64	69	71	68	61	50
XCF- 56-6-0.75	37	57	65	70	72	69	62	51
XCF- 63-4-1	50	70	78	83	85	82	75	64
XCF- 01/08/1963 (2v)	35	55	63	68	70	67	60	49
XCF- 63-4-1.5	51	71	79	84	86	83	76	65
XCF- 63-8-1.5 (2v)	36	56	64	69	71	68	61	50
XCF- 63-4-2	52	72	80	85	87	84	77	66
XCF- 02/08/1963 (2v)	37	57	65	70	72	69	62	51
XCF- 63-4-3	53	73	81	86	88	85	78	67
XCF- 03/08/1963 (2v)	38	58	66	71	73	70	63	52
XCF- 63-4-4	54	74	82	87	89	86	79	68
XCF- 04/08/1963 (2v)	39	59	67	72	74	71	64	53
XCF- 63-6-0.5	41	61	69	74	76	73	66	55
XCF- 63-6-0.75	42	62	70	75	77	74	67	56
XCF- 63-6-1	43	63	71	76	78	75	68	57
XCF- 01/12/1963 (2v)	28	48	56	61	63	60	53	42
XCF- 71-4-1.5	55	75	83	88	90	87	80	69
XCF- 71-8-1.5 (2v)	40	60	68	73	75	72	65	54
XCF- 71-4-2	56	76	84	89	91	88	81	70
XCF- 02/08/1971 (2v)	41	61	69	74	76	73	66	55
XCF- 71-4-3	58	78	86	91	93	90	83	72
XCF- 03/08/1971 (2v)	43	63	71	76	78	75	68	57
XCF- 71-4-4	59	79	87	92	94	91	84	73
XCF- 04/08/1971 (2v)	44	64	72	77	79	76	69	58
XCF- 71-6-0.75	44	64	72	77	79	76	69	58
XCF- 71-6-1	45	65	73	78	80	77	70	59
XCF- 01/12/1971 (2v)	30	50	58	63	65	62	55	44
XCF- 71-6-1.5	46	66	74	79	81	78	71	60
XCF- 71-12-1.5 (2v)	31	51	59	64	66	63	56	45
XCF- 80-4-3	59	79	87	92	94	91	84	73

Model	63	125	250	500	1000	2000	4000	8000
XCF- 03/08/1980 (2v)	44	64	72	77	79	76	69	58
XCF- 80-4-4	60	80	88	93	95	92	85	74
XCF- 04/08/1980 (2v)	45	65	73	78	80	77	70	59
XCF- 80-4-5.5	61	81	89	94	96	93	86	75
XCF- 80-8-5.5 (2v)	46	66	74	79	81	78	71	60
XCF- 80-6-1	48	68	76	81	83	80	73	62
XCF- 01/12/1980 (2v)	33	53	61	66	68	65	58	47
XCF- 80-6-1.5	49	69	77	82	84	81	74	63
XCF- 80-12-1.5 (2v)	34	54	62	67	69	66	59	48
XCF- 80-6-2	50	70	78	83	85	82	75	64
XCF- 02/12/1980 (2v)	35	55	63	68	70	67	60	49
XCF- 80-6-3	51	71	79	84	86	83	76	65
XCF- 03/12/1980 (2v)	36	56	64	69	71	68	61	50
XCF- 80-8-0.5	46	66	74	79	81	78	71	60
XCF- 80-8-0.75	47	67	75	80	82	79	72	61
XCF- 80-8-1	48	68	76	81	83	80	73	62
XCF- 90-4-4	65	85	93	98	101	97	90	79
XCF- 04/08/1990 (2v)	50	71	78	83	86	82	75	64
XCF- 90-4-5.5	67	88	95	100	103	99	92	81
XCF- 90-8-5.5 (2v)	52	73	80	85	88	84	77	66
XCF- 90-4-7.5	69	90	97	102	105	101	94	83
XCF- 90-8-7.5 (2v)	54	75	82	87	90	86	79	68
XCF- 90-4-10	70	91	98	103	106	102	95	84
XCF- 10/08/1990 (2v)	55	76	83	88	91	87	80	69
XCF- 90-6-2	55	76	83	88	91	87	80	69
XCF- 02/12/1990 (2v)	40	61	68	73	76	72	65	54
XCF- 90-6-3	56	77	84	89	92	88	81	70
XCF- 03/12/1990 (2v)	41	62	69	74	77	73	66	55
XCF- 90-6-4	57	78	85	90	93	89	82	71
XCF- 04/12/1990 (2v)	42	63	70	75	78	74	67	56
XCF- 90-8-1	49	70	77	82	85	81	74	63
XCF- 90-8-1.5	50	71	78	83	86	82	75	64
XCF- 90-8-2	51	72	79	84	87	83	76	65
XCF- 90-8-3	52	73	80	85	88	84	77	66
XCF- 100-4-7.5	72	92	100	105	107	104	97	86
XCF- 100-8-7.5 (2v)	57	77	85	90	92	89	82	71
XCF- 100-4-10	73	93	101	106	108	105	98	87
XCF- 100-8-10 (2v)	58	78	86	91	93	90	83	72
XCF- 100-4-15	74	94	102	107	109	106	99	88
XCF- 100-8-15 (2v)	59	79	87	92	94	91	84	73
XCF- 100-4-20	75	95	103	108	110	107	100	89
XCF- 100-8-20 (2v)	60	80	88	93	95	92	85	74
XCF- 100-6-3	62	82	90	95	97	94	87	76
XCF- 100-12-3 (2v)	47	67	75	80	82	79	72	61
XCF- 100-6-4	63	83	91	96	98	95	88	77
XCF- 100-12-4 (2v)	48	68	76	81	83	80	73	62
XCF- 100-6-5.5	64	84	92	97	99	96	89	78
XCF- 100-12-5.5 (2v)	49	69	77	82	84	81	74	63
XCF- 100-8-1.5	56	76	84	89	91	88	81	70
XCF- 100-8-2	57	77	85	90	92	89	82	71
XCF- 100-8-3	57	77	85	90	92	89	82	71
XCF- 100-8-4	58	78	86	91	93	90	83	72

Dimensions in mm



Model	ϕA	ϕB	ϕD	E	E1	ϕJ	N
XCF-25	310	280	240	230	10	10	4x90°
XCF-31	350	320	280	270	-	10	4x90°
XCF-35	425	395	355	280	-	10	8x45°
XCF-40	490	450	410	320	-	12	8x45°
XCF-45	540	500	460	360	-	12	8x45°
XCF-50	600	560	514	360	-	12	12x30°
XCF-56	660	620	560	400	-	12	12x30°
XCF-63	730	690	640	430	-	12	12x30°
XCF-71	810	770	710	500	-	12	16x22°30'
XCF-80	900	860	800	500	-	12	16x22°30'
XCF-90	1015	970	900	500	-	15	16x22°30'
XCF-100	1115	1070	1000	550	-	15	16x22°30'
XCF-100-4T-15	1115	1070	1000	650	-	15	16x22°30'
XCF-100-4T-20	1115	1070	1000	650	-	15	16x22°30'

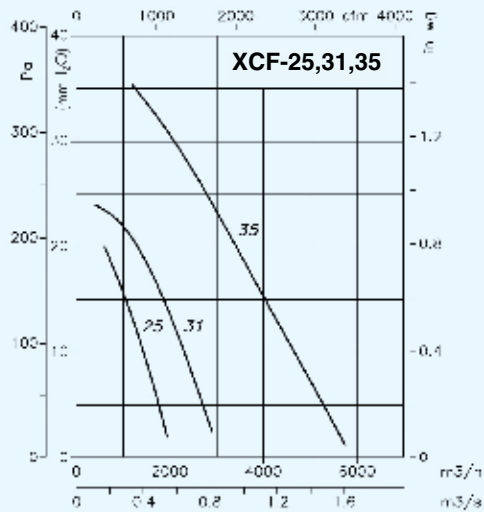


Characteristic curves

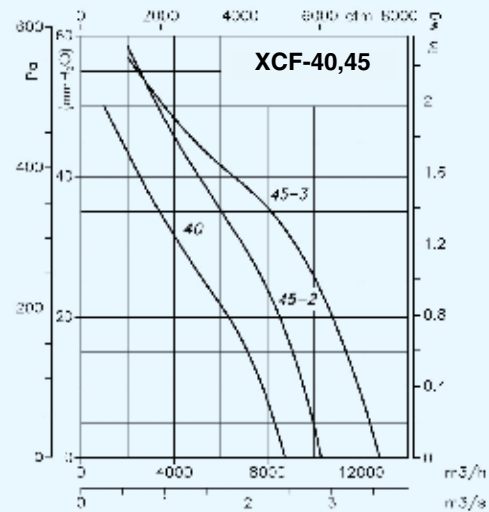
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

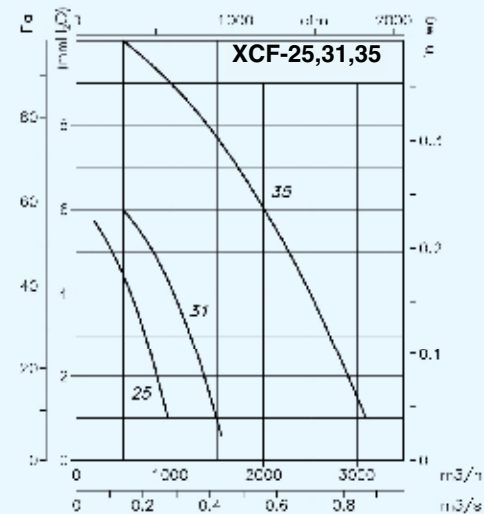
2 Poles=3000 r/min



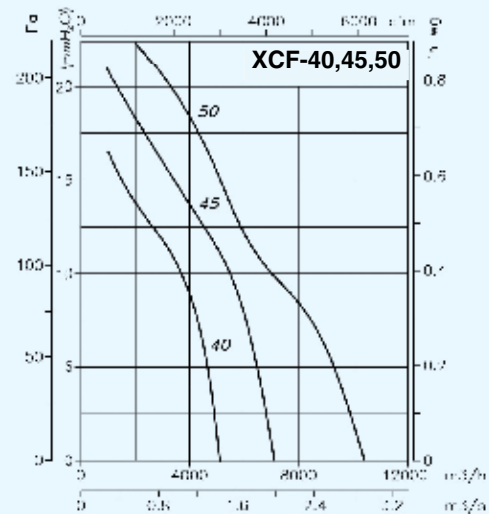
2 Poles=3000 r/min



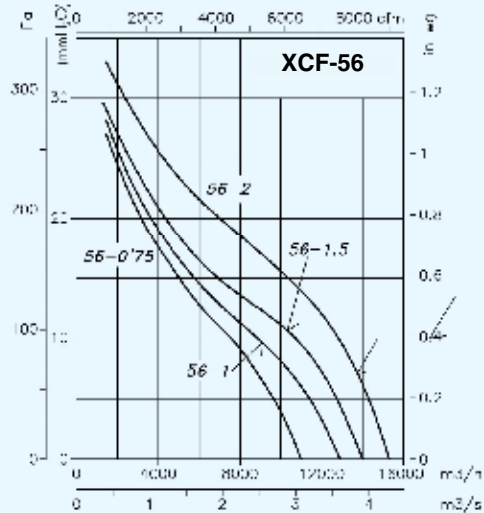
4 Poles=1500 r/min



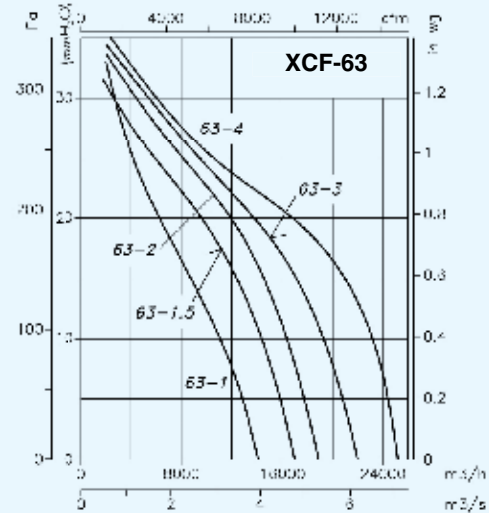
4 Poles=1500 r/min



4 Poles=1500 r/min



4 Poles=1500 r/min

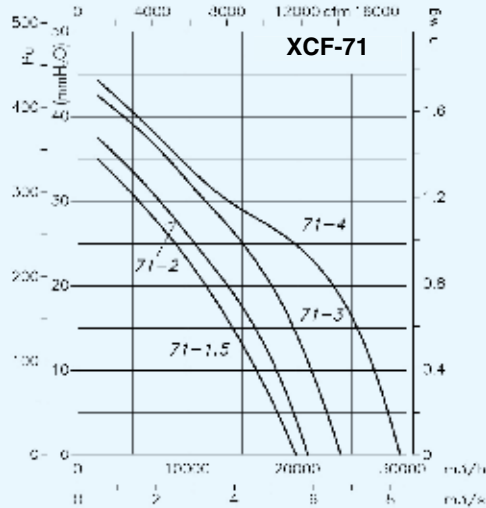


Characteristic curves

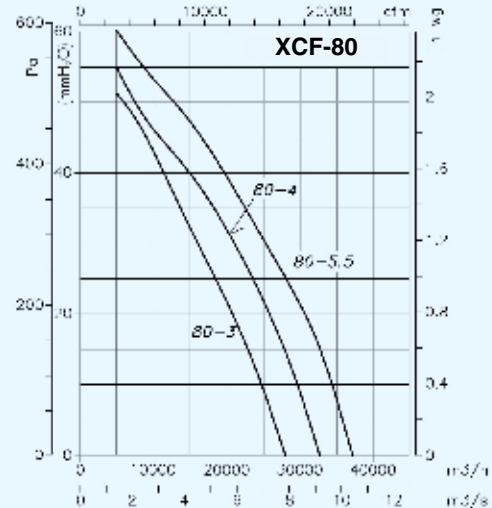
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

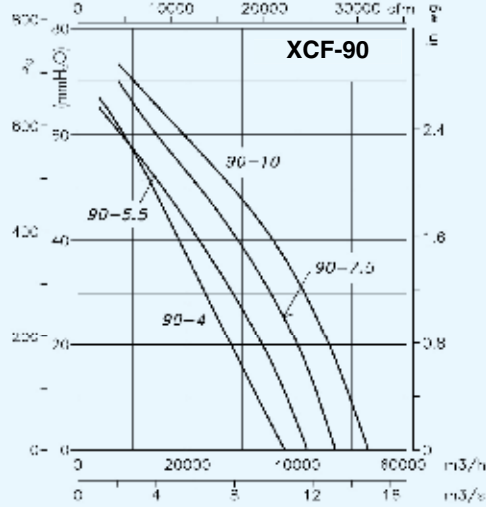
4 Poles=1500 r/min



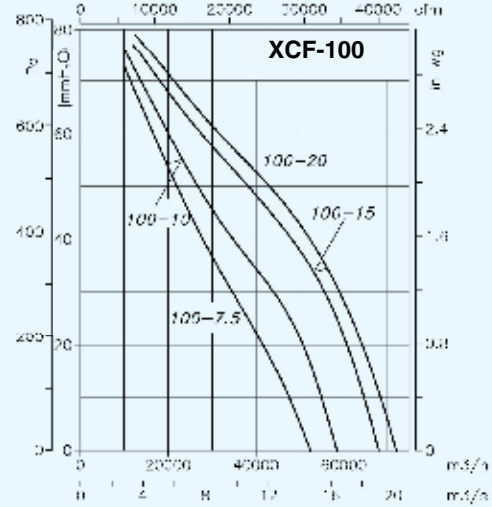
4 Poles=1500 r/min



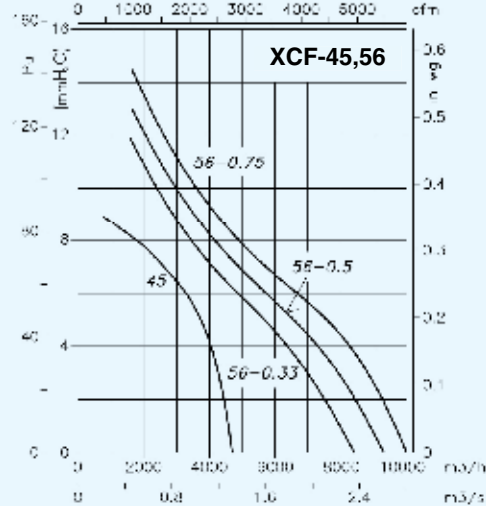
4 Poles=1500 r/min



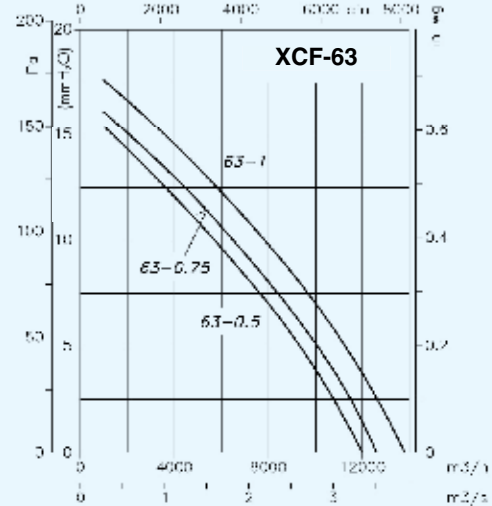
4 Poles=1500 r/min



6 Poles=1000 r/min



6 Poles=1000 r/min



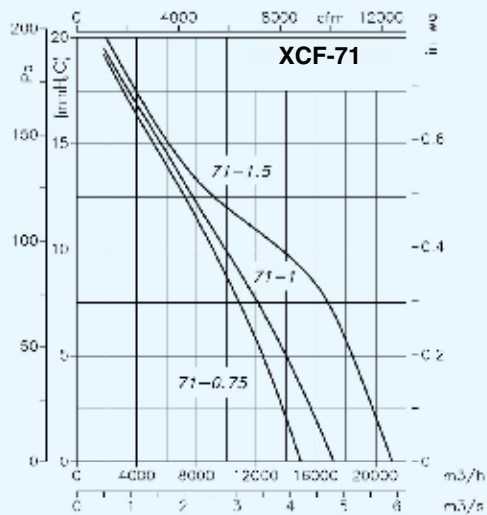


Characteristic curves

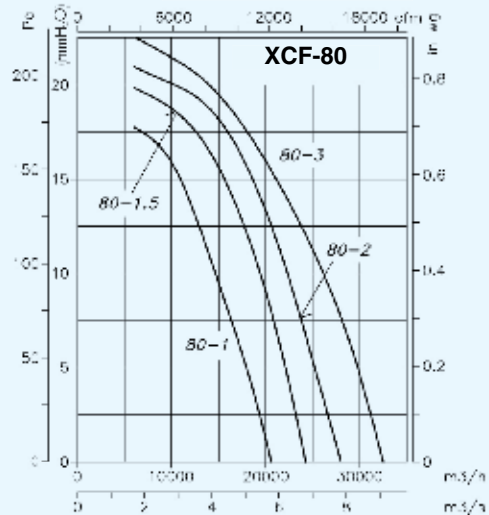
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

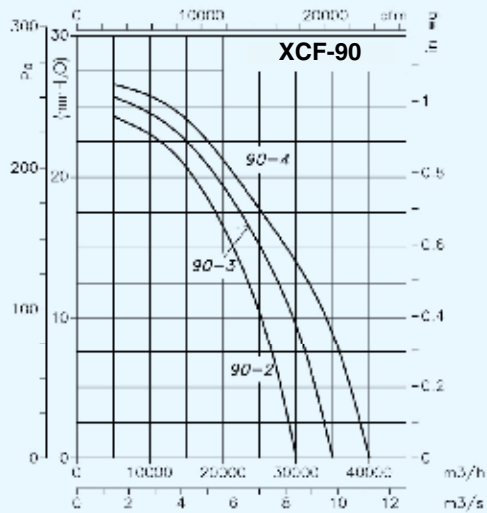
6 Poles=1000 r/min



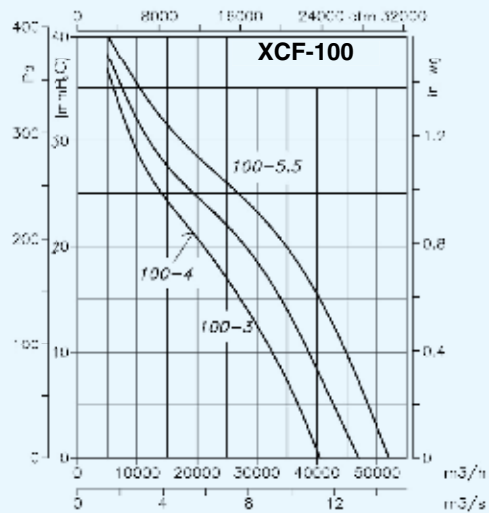
6 Poles=1000 r/min



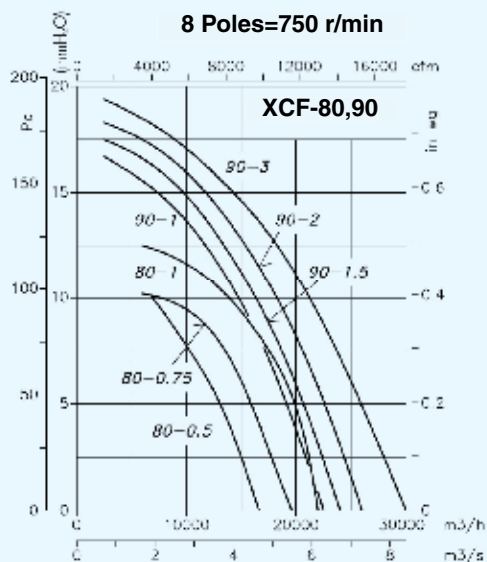
6 Poles=1000 r/min



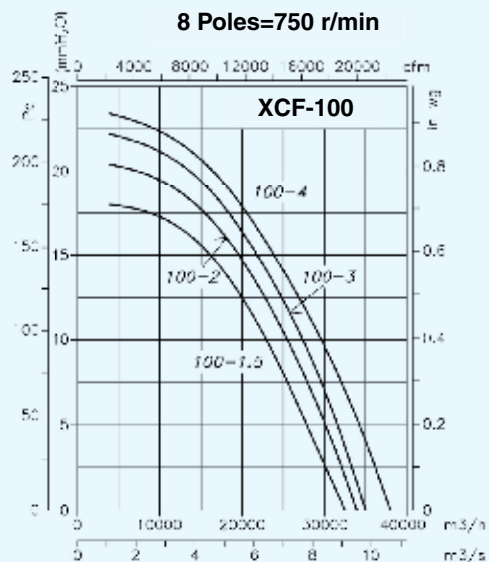
6 Poles=1000 r/min



8 Poles=750 r/min



8 Poles=750 r/min

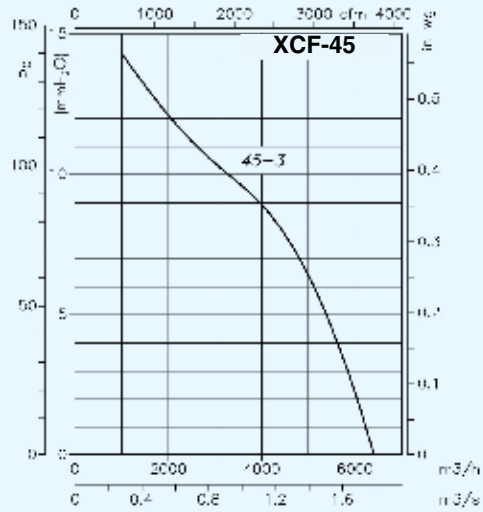


Characteristic curves

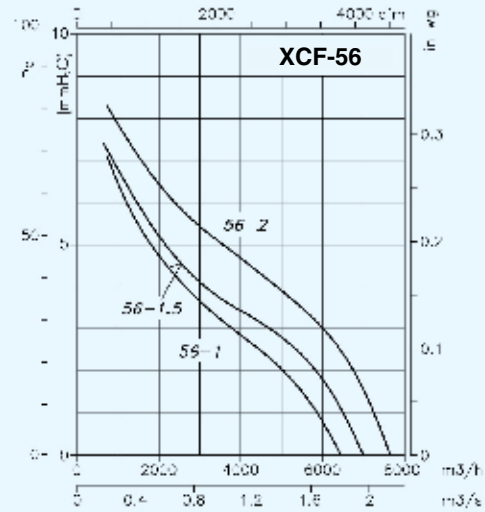
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

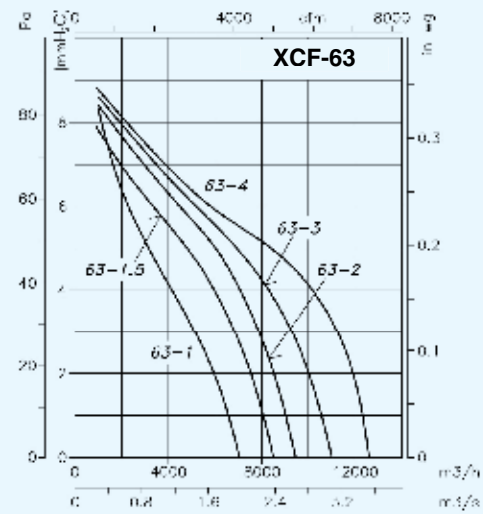
4 Poles (2-speed motor)=2/4 Poles



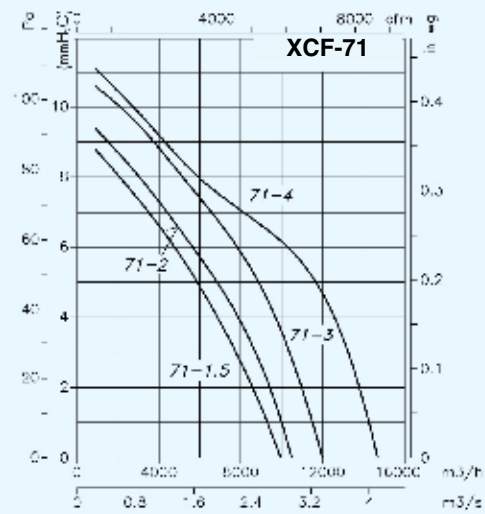
8 Poles (2-speed motor)=4/8 Poles



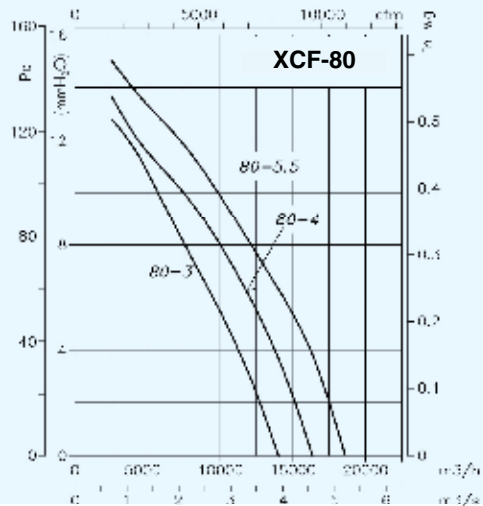
8 Poles (2-speed motor)=4/8 Poles



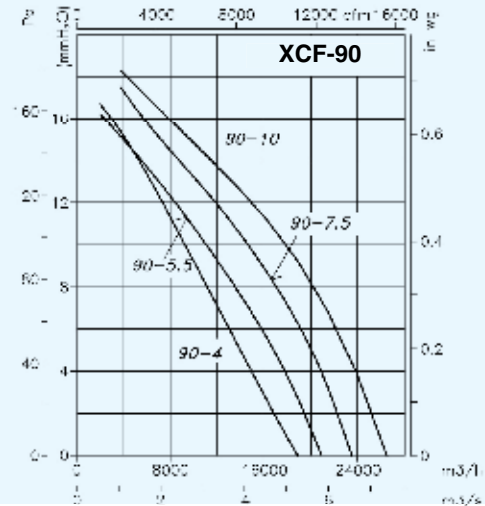
8 Poles (2-speed motor)=4/8 Poles



8 Poles (2-speed motor)=4/8 Poles



8 Poles (2-speed motor)=4/8 Poles



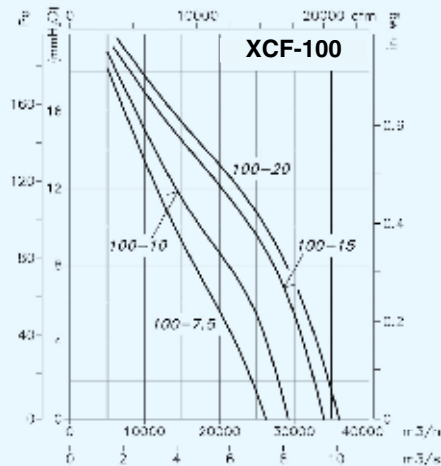


Characteristic curves

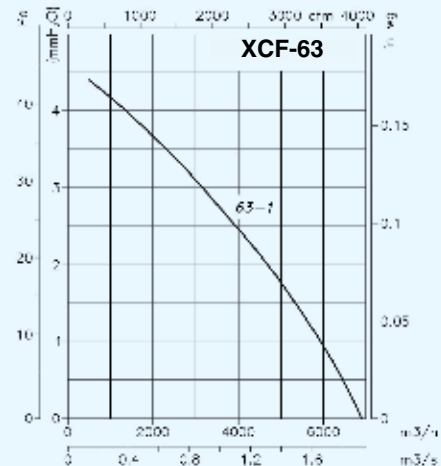
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

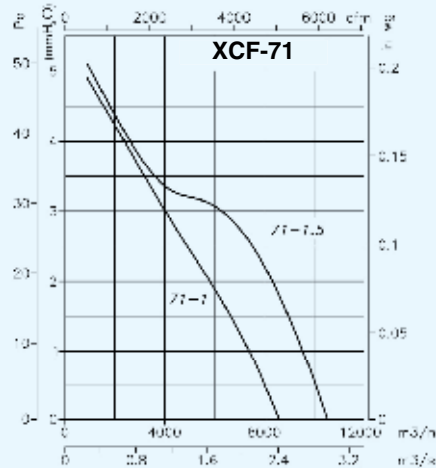
8 Poles (2-speed motor)=4/8 Poles



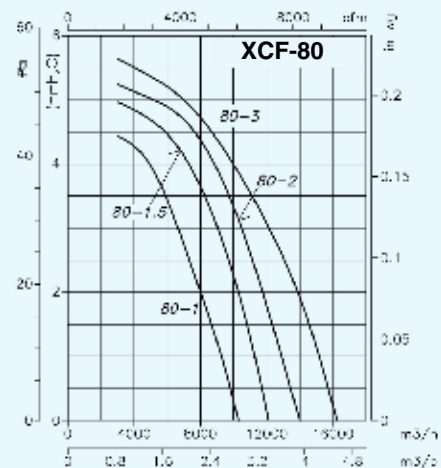
12 Poles (2-speed motor)=6/12 Poles



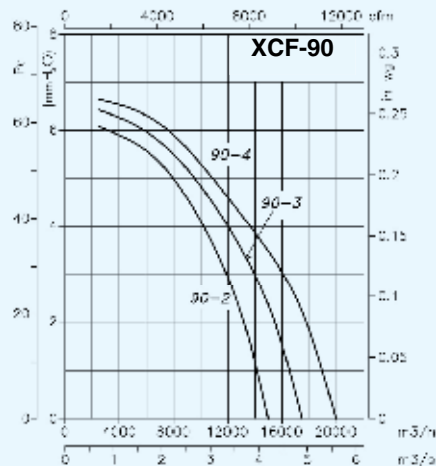
12 Poles (2-speed motor)=6/12 Poles



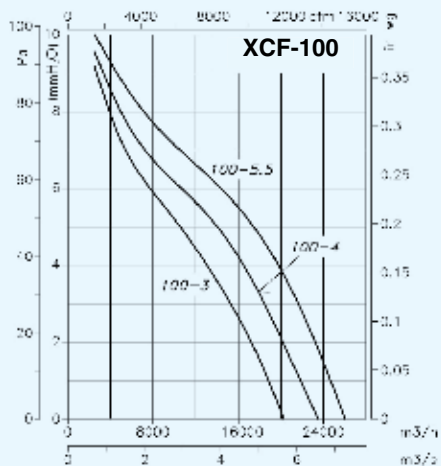
12 Poles (2-speed motor)=6/12 Poles



12 Poles (2-speed motor)=6/12 Poles



12 Poles (2-speed motor)=6/12 Poles



XWF/65

XWF/65: Wall-mounted axial fans, with IP-65 motor

Wall-mounted axial (XWF/65) with fibreglass-reinforced plastic impeller.



Fan:

- Airflow direction from motor to impeller
- Impeller in polyamide reinforced with fibre glass
- Sheet steel base plate.
- Protection guard, meets UNE 100250 standard

Motor:

- Class F motors with ball bearings, IP-65 protection
- Single-phase 220-240V.-50Hz. and three-phase 220-240/380-415V.-50Hz.
- Working temperature: -25°C +60°C, 4-6-8 poles motors and -25°C +45°C, 2 pole motors

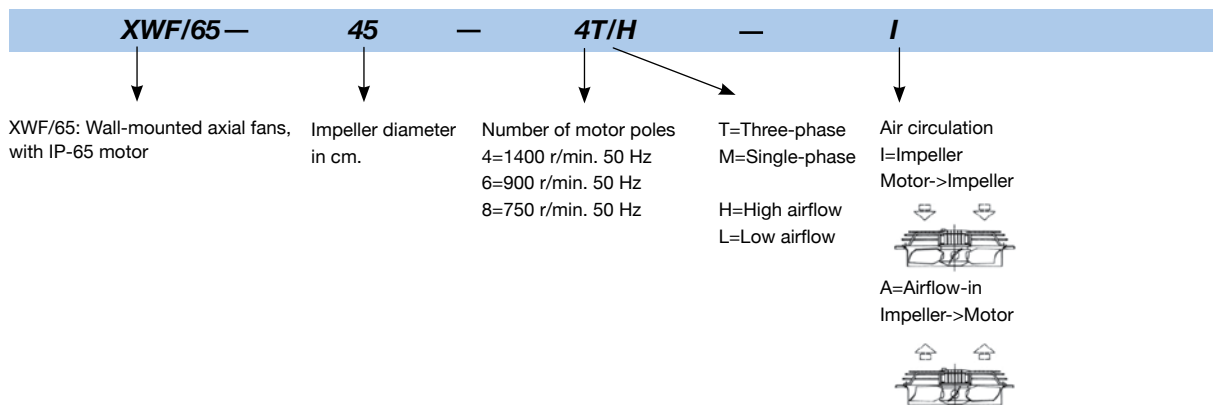
Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Airflow direction from impeller to motor
- Special windings for different voltages

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Absorbed power at free airflow (W)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)	
		220-240V	380-415V					
XWF/65-25-2T/H	2780	1.30	0.75	265	2300	64	5.3	-
XWF/65-25-2M/H	2750	1.95	-	345	2300	64	5.3	-
XWF/65-25-4T/H	1450	0.69	0.40	85	1250	52	4.5	-
XWF/65-25-4M/H	1440	0.65	-	95	1250	52	4.5	-
XWF/65-31-2T/H	2640	1.54	0.89	400	4000	74	7.0	7.4
XWF/65-31-2M/H	2640	2.30	-	410	4000	74	7.0	7.4
XWF/65-31-4T/H	1410	0.69	0.40	115	2400	55	5.7	6.2
XWF/65-31-4M/H	1410	0.75	-	130	2400	55	5.7	6.2
XWF/65-31-4T/L	1430	0.69	0.40	100	1950	54	5.1	-
XWF/65-31-4M/L	1420	0.70	-	110	1950	54	5.1	-
XWF/65-35-2T/H	2790	2.16	1.25	550	6020	76	8.8	9.4
XWF/65-35-2M/H	2675	2.80	-	560	6020	76	8.8	9.4
XWF/65-35-4T/H	1340	0.74	0.43	155	3500	58	7.1	7.6
XWF/65-35-4M/H	1340	0.98	-	160	3500	58	7.1	7.6
XWF/65-35-4T/L	1410	0.69	0.40	110	2650	56	6.5	-
XWF/65-35-4M/L	1410	0.75	-	120	2650	56	6.5	-
XWF/65-40-4T/H	1420	2.10	1.20	245	5200	61	10.6	13.5
XWF/65-40-4M/H	1400	1.85	-	355	5200	61	10.6	13.5
XWF/65-40-4T/L	1450	2.10	1.20	185	4000	60	10.6	-
XWF/65-40-4M/L	1420	1.55	-	260	4000	60	10.6	-
XWF/65-40-6T/H	960	1.12	0.65	155	3500	54	10.2	13.5

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Absorbed power at free airflow (W)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg) XWF/65	
		220-240V	380-415V					
XWF/65-40-6M/H	960	1.06	-	185	3500	54	10.2	13.5
XWF/65-45-4T/H	1400	2.11	1.22	475	7300	66	12.5	15.5
XWF/65-45-4M/H	1400	2.35	-	490	7300	66	12.5	15.5
XWF/65-45-4T/L	1440	2.10	1.20	300	5810	64	11.0	-
XWF/65-45-4M/L	1360	1.85	-	315	5810	64	11.0	-
XWF/65-45-6T/H	955	1.42	0.82	215	4900	56	11.4	15.5
XWF/65-45-6M/H	955	1.40	-	225	4900	56	11.4	15.5
XWF/65-50-4T/H	1420	3.10	1.80	740	10150	69	15.0	18.0
XWF/65-50-4M/H	1380	3.35	-	710	10150	69	15.0	18.0
XWF/65-50-4T/L	1400	2.15	1.25	390	7300	67	13.0	-
XWF/65-50-4M/L	1370	2.30	-	430	7300	67	13.0	-
XWF/65-50-6T/H	950	1.38	0.80	205	6150	59	13.2	18.0
XWF/65-50-6M/H	950	1.38	-	215	6150	59	13.2	18.0
XWF/65-56-4T/H	1350	3.63	2.10	870	12800	72	21.0	28.0
XWF/65-56-4M/H	1350	5.26	-	895	12800	72	21.0	28.0
XWF/65-56-4T/L	1400	3.20	1.85	710	10900	70	19.0	-
XWF/65-56-4M/L	1350	3.40	-	755	10900	70	19.0	-
XWF/65-56-6T/H	915	1.73	1.00	325	8250	62	17.0	28.0
XWF/65-56-6M/H	915	2.12	-	450	8250	62	17.0	28.0
XWF/65-63-4T/H	1415	6.92	4.00	1400	18700	82	25.8	33.5
XWF/65-63-4T/L	1375	5.01	2.90	1275	16500	75	23.0	-
XWF/65-63-4M/L	1375	5.40	-	1160	16500	75	23.0	-
XWF/65-63-6T/H	905	2.06	1.19	405	12050	65	20.2	33.5
XWF/65-63-6M/H	905	2.70	-	540	12050	65	20.2	33.5
XWF/65-63-6T/L	945	1.62	0.94	305	9450	63	19.4	-
XWF/65-63-6M/L	945	1.80	-	330	9450	63	19.4	-
XWF/65-63-8T/H	700	1.90	1.10	320	8250	57	19.2	-
XWF/65-63-8M/H	700	1.89	-	320	8250	57	19.2	-

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
XWF/65-25-4T/H	-	-	-	-	-	-	0.083	986	2.73	1471
XWF/65-25-4M/H	-	-	-	-	-	-	0.096	990	2.72	1466
XWF/65-31-2T/H	A	S	NO	1.00	30.3%	39.2	0.397	2782	15.89	2827
XWF/65-31-2M/H	A	S	NO	1.00	28.9%	37.6	0.417	2793	15.84	2854
XWF/65-31-4T/H	-	-	-	-	-	-	0.109	1304	5.05	1449
XWF/65-31-4M/H	-	-	-	-	-	-	0.122	1290	5.10	1461
XWF/65-31-4T/L	-	-	-	-	-	-	0.096	1141	4.37	1460
XWF/65-31-4M/L	-	-	-	-	-	-	0.109	1161	4.30	1452
XWF/65-35-2T/H	A	S	NO	1.00	35.3%	42.9	0.620	4356	18.46	2880
XWF/65-35-2M/H	A	S	NO	1.00	34.6%	42.2	0.632	4396	18.28	2851
XWF/65-35-4T/H	A	S	NO	1.00	28.3%	39.9	0.145	2167	6.95	1418
XWF/65-35-4M/H	A	S	NO	1.00	26.1%	37.4	0.158	2191	6.89	1430
XWF/65-35-4T/L	-	-	-	-	-	-	0.117	1874	4.95	1443
XWF/65-35-4M/L	-	-	-	-	-	-	0.124	1919	4.97	1451
XWF/65-40-4T/H	A	S	NO	1.00	26.8%	37.5	0.202	2135	9.28	1470
XWF/65-40-4T/L	A	S	NO	1.00	26.3%	37.5	0.172	2248	7.41	1476
XWF/65-45-4T/H	A	S	NO	1.00	33.1%	41.8	0.418	4235	11.98	1447
XWF/65-45-4M/H	A	S	NO	1.00	29.3%	37.6	0.480	4541	11.37	1450
XWF/65-45-4T/L	A	S	NO	1.00	33.0%	42.7	0.292	3719	9.53	1467
XWF/65-45-4M/L	A	S	NO	1.00	30.9%	40.4	0.314	3805	9.36	1439
XWF/65-50-4T/H	A	S	NO	1.00	31.1%	38.7	0.626	5994	11.92	1458
XWF/65-50-4M/H	A	S	NO	1.00	30.1%	37.6	0.645	5967	11.96	1446
XWF/65-50-4T/L	A	S	NO	1.00	32.9%	41.8	0.387	4894	9.54	1446
XWF/65-50-4M/L	A	S	NO	1.00	29.0%	37.6	0.438	4853	9.61	1434
XWF/65-50-6T/H	A	S	NO	1.00	28.6%	39.5	0.187	3484	5.64	977
XWF/65-50-6M/H	A	S	NO	1.00	26.8%	37.5	0.201	3601	5.50	979
XWF/65-56-4T/H	A	S	NO	1.00	31.3%	38.3	0.798	7546	12.16	1432
XWF/65-56-4M/H	A	S	NO	1.00	30.8%	37.7	0.817	7780	11.88	1442
XWF/65-56-4T/L	A	S	NO	1.00	30.3%	37.7	0.697	7344	10.57	1448

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	$\eta_e[\%]$	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
XWF/65-56-4M/L	A	S	NO	1.00	29.0%	36.2	0.730	7358	10.55	1432
XWF/65-56-6T/H	A	S	NO	1.00	27.7%	37.5	0.283	4469	6.46	964
XWF/65-63-4T/H	A	S	NO	1.00	32.0%	37.7	1.253	10152	14.52	1462
XWF/65-63-4T/L	A	S	NO	1.00	36.0%	41.9	1.170	10263	15.10	1432
XWF/65-63-4M/L	A	S	NO	1.00	34.8%	40.8	1.138	10512	13.85	1445
XWF/65-63-6T/H	A	S	NO	1.00	28.5%	37.6	0.373	6577	5.95	957
XWF/65-63-6T/L	A	S	NO	1.00	29.7%	39.3	0.300	5326	6.13	973
XWF/65-63-6M/L	A	S	NO	1.00	28.4%	37.9	0.314	5389	6.07	969

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power $L_w(A)$ spectrum in dB(A) via frequency band in Hz.

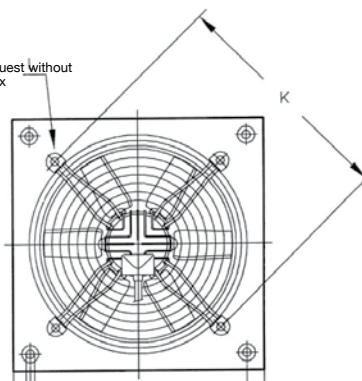
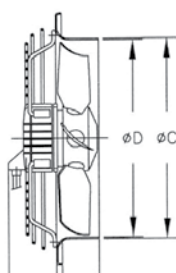
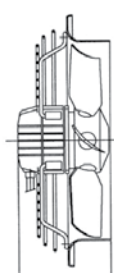
Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
XWF/65-25-2/H	39	52	64	68	70	70	66	58	XWF/65-45-6/H	33	47	59	62	64	65	61	52
XWF/65-25-4/H	27	40	52	56	58	58	54	46	XWF/65-50-4/H	46	60	72	75	77	78	74	65
XWF/65-31-2/H	49	62	74	78	80	80	76	68	XWF/65-50-4/L	44	58	70	73	75	76	72	63
XWF/65-31-4/H	30	43	55	59	61	61	57	49	XWF/65-50-6/H	36	50	62	65	67	68	64	55
XWF/65-31-4/L	29	42	54	58	60	60	56	48	XWF/65-56-4/H	49	63	75	78	80	81	77	68
XWF/65-35-2/H	51	64	76	80	82	82	78	70	XWF/65-56-4/L	47	61	73	76	78	79	75	66
XWF/65-35-4/H	33	46	58	62	64	64	60	52	XWF/65-56-6/H	39	53	65	68	70	71	67	58
XWF/65-35-4/L	31	44	56	60	62	62	58	50	XWF/65-63-4/H	61	75	87	90	92	92	89	80
XWF/65-40-4/H	36	49	61	65	67	67	63	55	XWF/65-63-4/L	54	68	80	83	85	85	82	73
XWF/65-40-4/L	35	48	60	64	66	66	62	54	XWF/65-63-6/H	44	58	70	73	75	75	72	63
XWF/65-40-6/H	29	42	54	58	60	60	56	48	XWF/65-63-6/L	42	56	68	71	73	73	70	61
XWF/65-45-4/H	43	57	69	72	74	75	71	62	XWF/65-63-8/H	36	50	62	65	67	67	64	55
XWF/65-45-4/L	41	55	67	70	72	73	69	60									

Dimensions in mm

XWF/65

Standard version with connection box

Version on request without connection box



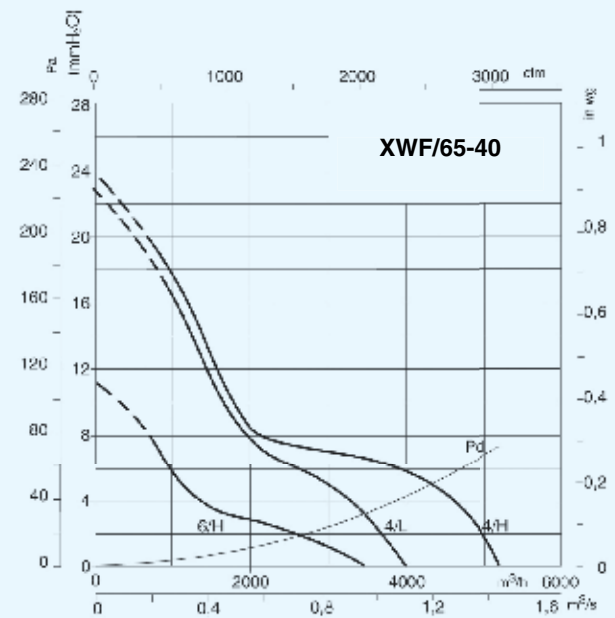
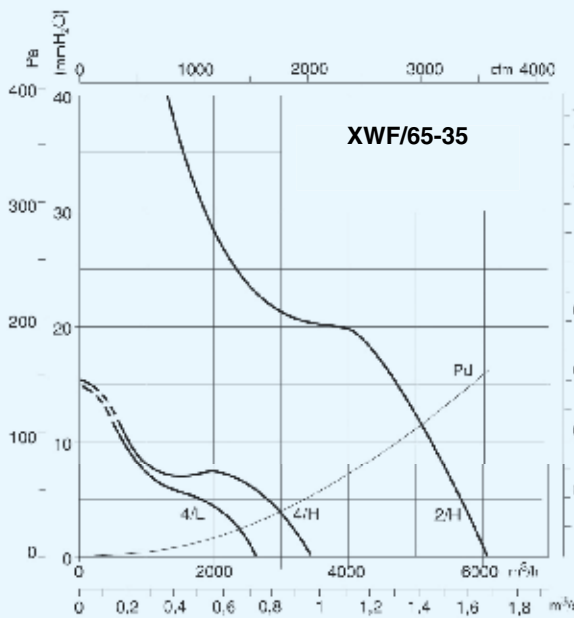
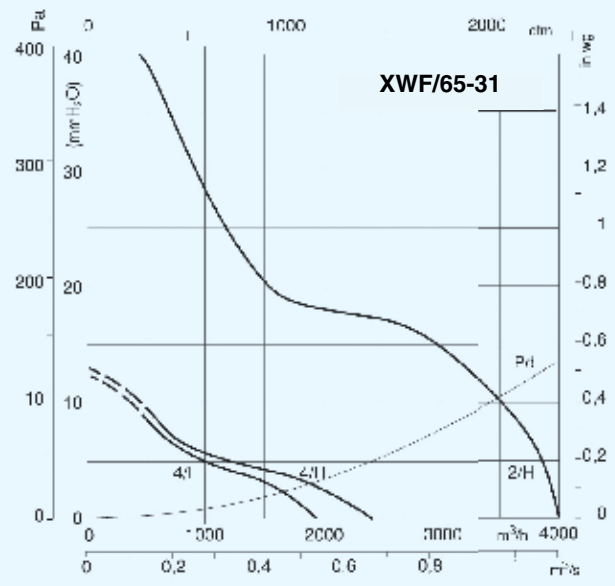
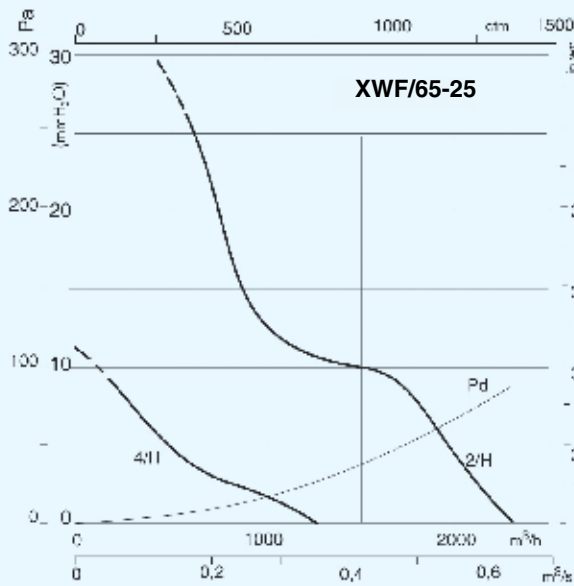
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					2T	4T	6T	8T	2T	4T	6T	8T					
XWF/65-25	330	275	262	260	189	179	-	-	213	203	-	-	11	56	8.5	310	M.8
XWF/65-31.../H400	336	310.5	308	308	190	180	-	-	214	204	-	-	11	75	10.5	380	M.8
XWF/65-31.../L 400	336	310.5	308	308	-	180	-	-	-	204	-	-	11	75	10.5	380	M.8
XWF/65-35.../H 465	390	362.5	360	360	217	187	-	-	241	211	-	-	11	86	10.5	450	M.8
XWF/65-35.../L 465	390	362.5	360	360	-	187	-	-	-	211	-	-	11	86	10.5	450	M.8
XWF/65-40.../H 532	452	412.5	410	410	-	206	186	-	-	226	205	-	11	97.5	10.5	500	M.8
XWF/65-40.../L 532	452	412.5	410	410	-	206	-	-	-	226	-	-	11	97.5	10.5	500	M.8
XWF/65-45.../H 596	504	462.5	460	460	-	214	199	-	-	234	218	-	11	105	10.5	560	M.8
XWF/65-45.../L 596	504	462.5	460	460	-	214	-	-	-	234	-	-	11	105	10.5	560	M.8
XWF/65-50.../H 665	562	516.5	514	514	-	255	235	-	-	275	254	-	11	115	10.5	640	M.8
XWF/65-50.../L 665	562	516.5	514	514	-	240	-	-	-	260	-	-	11	115	10.5	640	M.8
XWF/65-56.../H 710	630	563	560	560	-	287	247	-	-	306	266	-	15	115	10.5	721	M.8
XWF/65-56.../L 710	630	563	560	560	-	267	-	-	-	286	-	-	15	115	10.5	721	M.8
XWF/65-63.../H 800	710	638	635	635	-	-	257	247	-	340	276	266	15	140	10.5	820	M.8
XWF/65-63.../L 800	710	638	635	635	-	-	247	-	-	340	266	-	15	140	10.5	820	M.8



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

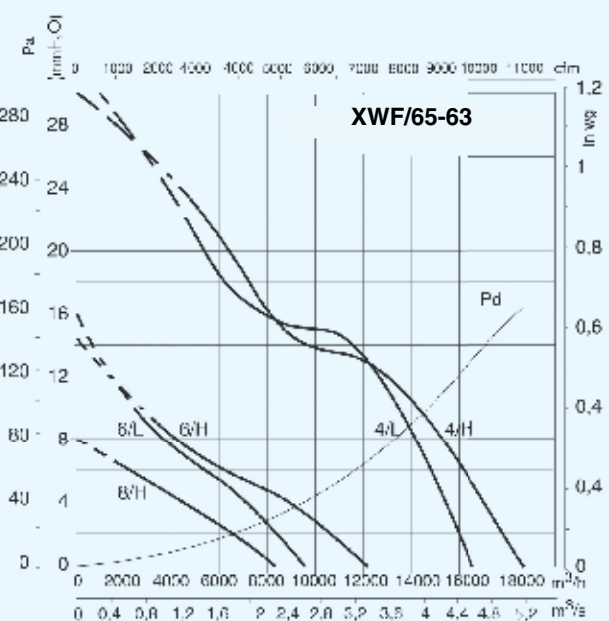
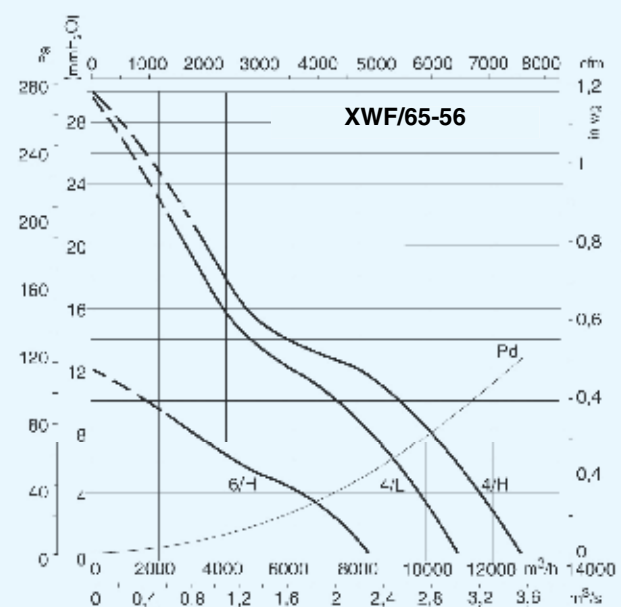
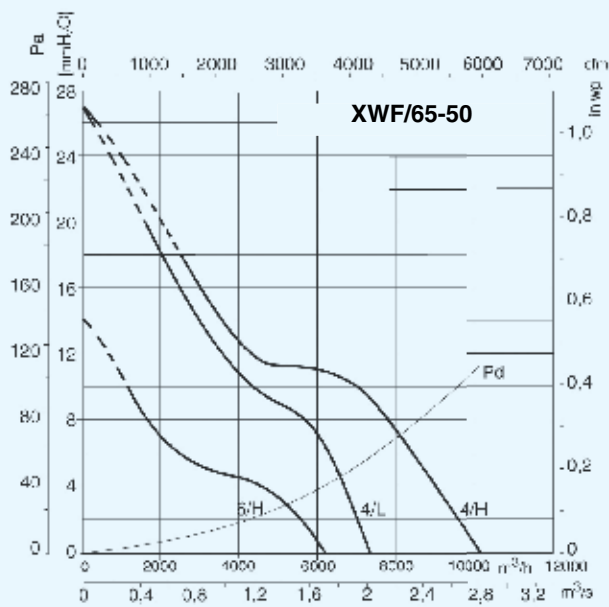
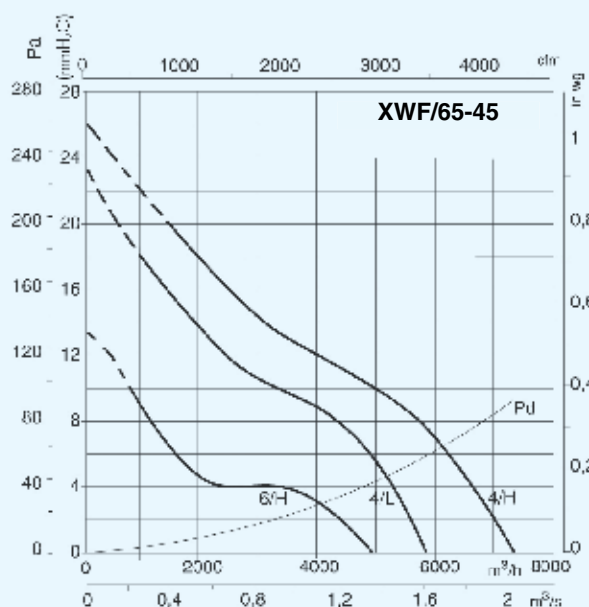




Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.



XCF/65



XCF/65: Long-cased axial fans, with IP-65 motor

Long-cased fans (XCF/65), with fibreglass-reinforced plastic impeller.

Fan:

- Airflow direction from motor to impeller
- Impeller in polyamide reinforced with fibre glass
- Sheet steel tubular casing.
- Outside connecting box, IP-65 protection

Motor:

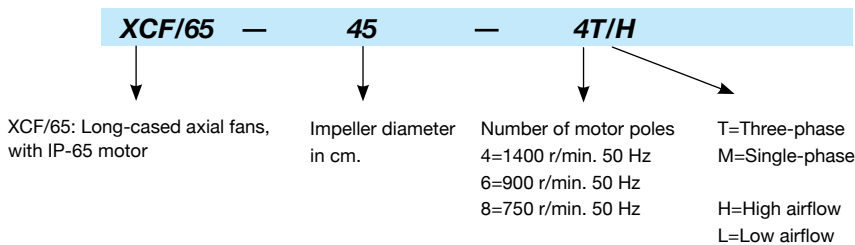
- Class F motors with ball bearings, IP-65 protection
- Single-phase 220-240V.-50Hz. and three-phase 220-240/380-415V.-50Hz.
- Working temperature: -25°C +60°C, 4-6-8 poles motors and -25°C +45°C, 2 pole motors

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Airflow direction from impeller to motor
- Special windings for different voltages

Order code

Technical characteristics

Model		Speed (r/min)	Maximum admissible current (A)		Absorbed power at free airflow (W)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg) XCF/65
			220-240V	380-415V				
XCF/65-31-2T/H	2640	1.54	0.89	400	4000	74	7.0	7.4
XCF/65-31-2M/H	2640	2.30	-	410	4000	74	7.0	7.4
XCF/65-31-4T/H	1410	0.69	0.40	115	2400	55	5.7	6.2
XCF/65-31-4M/H	1410	0.75	-	130	2400	55	5.7	6.2
XCF/65-35-2T/H	2790	2.16	1.25	550	6020	76	8.8	9.4
XCF/65-35-2M/H	2675	2.80	-	560	6020	76	8.8	9.4
XCF/65-35-4T/H	1340	0.74	0.43	155	3500	58	7.1	7.6
XCF/65-35-4M/H	1340	0.98	-	160	3500	58	7.1	7.6
XCF/65-40-4T/H	1420	2.10	1.20	245	5200	61	10.6	13.5
XCF/65-40-4M/H	1400	1.85	-	355	5200	61	10.6	13.5
XCF/65-40-6T/H	960	1.12	0.65	155	3500	54	10.2	13.5
XCF/65-40-6M/H	960	1.06	-	185	3500	54	10.2	13.5

Technical characteristics

Model		Speed (r/min)	Maximum admissible current (A) 220-240V 380-415V		Absorbed power at free airflow (W)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg) XCF/65
XCF/65-45-4T/H	1400	2.11	1.22	475	7300	66	12.5	15.5
XCF/65-45-4M/H	1400	2.35	-	490	7300	66	12.5	15.5
XCF/65-45-6T/H	955	1.42	0.82	215	4900	56	11.4	15.5
XCF/65-45-6M/H	955	1.40	-	225	4900	56	11.4	15.5
XCF/65-50-4T/H	1420	3.10	1.80	740	10150	69	15.0	18.0
XCF/65-50-4M/H	1380	3.35	-	710	10150	69	15.0	18.0
XCF/65-50-6T/H	950	1.38	0.80	205	6150	59	13.2	18.0
XCF/65-50-6M/H	950	1.38	-	215	6150	59	13.2	18.0
XCF/65-56-4T/H	1350	3.63	2.10	870	12800	72	21.0	28.0
XCF/65-56-4M/H	1350	5.26	-	895	12800	72	21.0	28.0
XCF/65-56-6T/H	915	1.73	1.00	325	8250	62	17.0	28.0
XCF/65-56-6M/H	915	2.12	-	450	8250	62	17.0	28.0
XCF/65-63-4T/H	1415	6.92	4.00	1400	18700	82	25.8	33.5
XCF/65-63-6T/H	905	2.06	1.19	405	12050	65	20.2	33.5
XCF/65-63-6M/H	905	2.70	-	540	12050	65	20.2	33.5

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH ₂ O)	(RPM)
XCF/65-25-4T/H	-	-	-	-	-	-	0.083	986	2.73	1471
XCF/65-25-4M/H	-	-	-	-	-	-	0.096	990	2.72	1466
XCF/65-31-2T/H	A	S	NO	1.00	30.3%	39.2	0.397	2782	15.89	2827
XCF/65-31-2M/H	A	S	NO	1.00	28.9%	37.6	0.417	2793	15.84	2854
XCF/65-31-4T/H	-	-	-	-	-	-	0.109	1304	5.05	1449
XCF/65-31-4M/H	-	-	-	-	-	-	0.122	1290	5.10	1461
XCF/65-31-4T/L	-	-	-	-	-	-	0.096	1141	4.37	1460
XCF/65-31-4M/L	-	-	-	-	-	-	0.109	1161	4.30	1452
XCF/65-35-2T/H	A	S	NO	1.00	35.3%	42.9	0.620	4356	18.46	2880
XCF/65-35-2M/H	A	S	NO	1.00	34.6%	42.2	0.632	4396	18.28	2851
XCF/65-35-4T/H	A	S	NO	1.00	28.3%	39.9	0.145	2167	6.95	1418
XCF/65-35-4M/H	A	S	NO	1.00	26.1%	37.4	0.158	2191	6.89	1430
XCF/65-35-4T/L	-	-	-	-	-	-	0.117	1874	4.95	1443
XCF/65-35-4M/L	-	-	-	-	-	-	0.124	1919	4.97	1451
XCF/65-40-4T/H	A	S	NO	1.00	26.8%	37.5	0.202	2135	9.28	1470
XCF/65-25-4T/H	-	-	-	-	-	-	0.083	986	2.73	1471
XCF/65-25-4M/H	-	-	-	-	-	-	0.096	990	2.72	1466
XCF/65-31-2T/H	A	S	NO	1.00	30.3%	39.2	0.397	2782	15.89	2827
XCF/65-31-2M/H	A	S	NO	1.00	28.9%	37.6	0.417	2793	15.84	2854
XCF/65-31-4T/H	-	-	-	-	-	-	0.109	1304	5.05	1449
XCF/65-31-4M/H	-	-	-	-	-	-	0.122	1290	5.10	1461
XCF/65-31-4T/L	-	-	-	-	-	-	0.096	1141	4.37	1460
XCF/65-31-4M/L	-	-	-	-	-	-	0.109	1161	4.30	1452
XCF/65-35-2T/H	A	S	NO	1.00	35.3%	42.9	0.620	4356	18.46	2880
XCF/65-35-2M/H	A	S	NO	1.00	34.6%	42.2	0.632	4396	18.28	2851
XCF/65-35-4T/H	A	S	NO	1.00	28.3%	39.9	0.145	2167	6.95	1418
XCF/65-35-4M/H	A	S	NO	1.00	26.1%	37.4	0.158	2191	6.89	1430
XCF/65-35-4T/L	-	-	-	-	-	-	0.117	1874	4.95	1443
XCF/65-35-4M/L	-	-	-	-	-	-	0.124	1919	4.97	1451
XCF/65-40-4T/H	A	S	NO	1.00	26.8%	37.5	0.202	2135	9.28	1470
XCF/65-40-4T/L	A	S	NO	1.00	26.3%	37.5	0.172	2248	7.41	1476
XCF/65-45-4T/H	A	S	NO	1.00	33.1%	41.8	0.418	4235	11.98	1447
XCF/65-45-4M/H	A	S	NO	1.00	29.3%	37.6	0.480	4541	11.37	1450
XCF/65-45-4T/L	A	S	NO	1.00	33.0%	42.7	0.292	3719	9.53	1467



Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	$\eta_e[\%]$	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
XCF/65-45-4M/L	A	S	NO	1.00	30.9%	40.4	0.314	3805	9.36	1439
XCF/65-50-4T/H	A	S	NO	1.00	31.1%	38.7	0.626	5994	11.92	1458
XCF/65-50-4M/H	A	S	NO	1.00	30.1%	37.6	0.645	5967	11.96	1446
XCF/65-50-4T/L	A	S	NO	1.00	32.9%	41.8	0.387	4894	9.54	1446
XCF/65-50-4M/L	A	S	NO	1.00	29.0%	37.6	0.438	4853	9.61	1434
XCF/65-50-6T/H	A	S	NO	1.00	28.6%	39.5	0.187	3484	5.64	977
XCF/65-50-6M/H	A	S	NO	1.00	26.8%	37.5	0.201	3601	5.50	979
XCF/65-56-4T/H	A	S	NO	1.00	31.3%	38.3	0.798	7546	12.16	1432
XCF/65-56-4M/H	A	S	NO	1.00	30.8%	37.7	0.817	7780	11.88	1442
XCF/65-56-4T/L	A	S	NO	1.00	30.3%	37.7	0.697	7344	10.57	1448
XCF/65-56-4M/L	A	S	NO	1.00	29.0%	36.2	0.730	7358	10.55	1432
XCF/65-56-6T/H	A	S	NO	1.00	27.7%	37.5	0.283	4469	6.46	964
XCF/65-63-4T/H	A	S	NO	1.00	32.0%	37.7	1.253	10152	14.52	1462
XCF/65-63-4T/L	A	S	NO	1.00	36.0%	41.9	1.170	10263	15.10	1432
XCF/65-63-4M/L	A	S	NO	1.00	34.8%	40.8	1.138	10512	13.85	1445
XCF/65-63-6T/H	A	S	NO	1.00	28.5%	37.6	0.373	6577	5.95	957
XCF/65-63-6T/L	A	S	NO	1.00	29.7%	39.3	0.300	5326	6.13	973
XCF/65-63-6M/L	A	S	NO	1.00	28.4%	37.9	0.314	5389	6.07	969

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

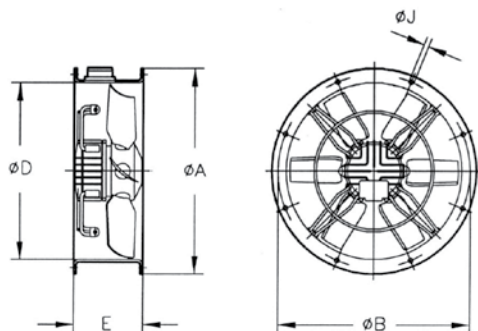
Sound power $L_w(A)$ spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
XCF/65-25-2/H	39	52	64	68	70	70	66	58
XCF/65-25-4/H	27	40	52	56	58	58	54	46
XCF/65-31-2/H	49	62	74	78	80	80	76	68
XCF/65-31-4/H	30	43	55	59	61	61	57	49
XCF/65-31-4/L	29	42	54	58	60	60	56	48
XCF/65-35-2/H	51	64	76	80	82	82	78	70
XCF/65-35-4/H	33	46	58	62	64	64	60	52
XCF/65-35-4/L	31	44	56	60	62	62	58	50
XCF/65-40-4/H	36	49	61	65	67	67	63	55
XCF/65-40-4/L	35	48	60	64	66	66	62	54
XCF/65-40-6/H	29	42	54	58	60	60	56	48
XCF/65-45-4/H	43	57	69	72	74	75	71	62
XCF/65-45-4/L	41	55	67	70	72	73	69	60

Model	63	125	250	500	1000	2000	4000	8000
XCF/65-45-6/H	33	47	59	62	64	65	61	52
XCF/65-50-4/H	46	60	72	75	77	78	74	65
XCF/65-50-4/L	44	58	70	73	75	76	72	63
XCF/65-50-6/H	36	50	62	65	67	68	64	55
XCF/65-56-4/H	49	63	75	78	80	81	77	68
XCF/65-56-4/L	47	61	73	76	78	79	75	66
XCF/65-56-6/H	39	53	65	68	70	71	67	58
XCF/65-63-4/H	61	75	87	90	92	92	89	80
XCF/65-63-4/L	54	68	80	83	85	85	82	73
XCF/65-63-6/H	44	58	70	73	75	75	72	63
XCF/65-63-6/L	42	56	68	71	73	73	70	61
XCF/65-63-8/H	36	50	62	65	67	67	64	55

Dimensions in mm

XCF/65

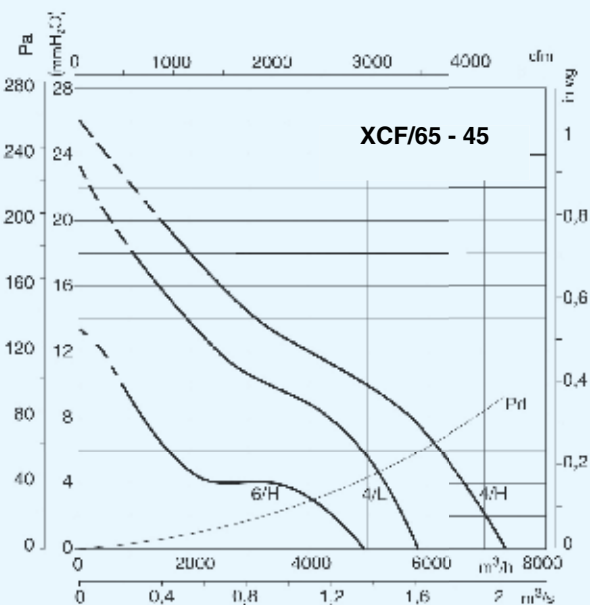
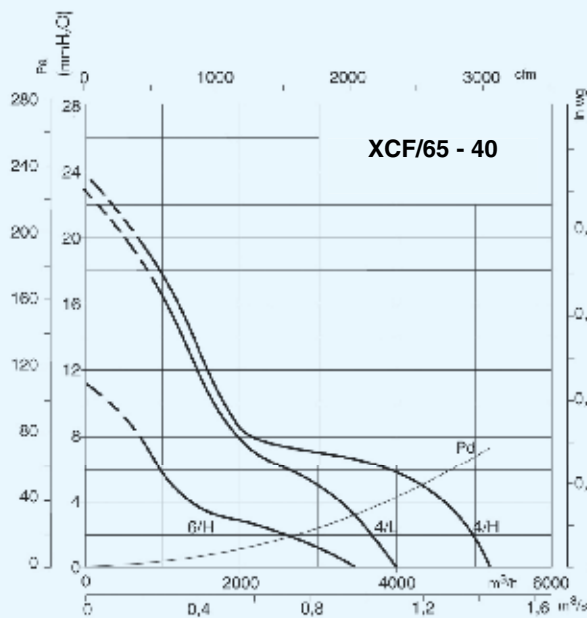
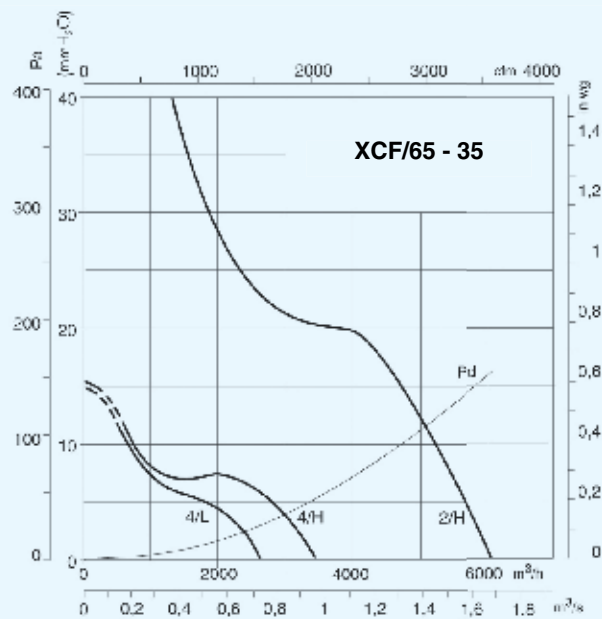
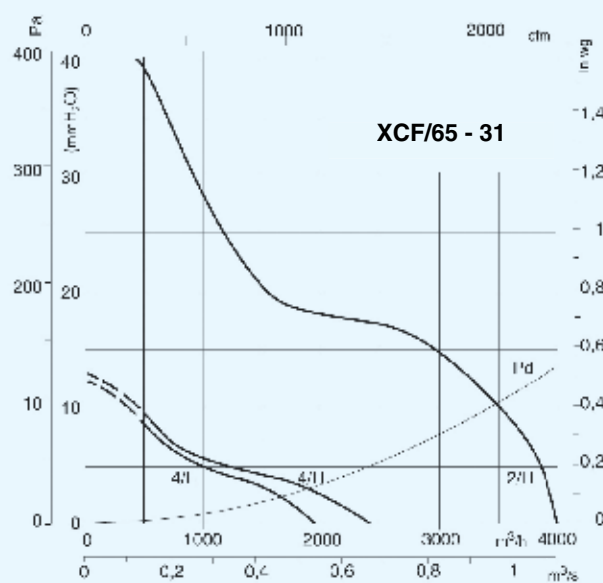


Model	ØA	ØB	ØD	E	ØJ	Drills No.
XCF/65-31	385	355	308	200	10	8
XCF/65-35	425	395	360	220	10	8
XCF/65-40	490	450	410	220	12	8
XCF/65-45	540	500	460	220	12	8
XCF/65-50	600	560	514	230	12	12
XCF/65-56	660	620	560	260	12	12
XCF/65-63	730	690	635	350	12	12

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

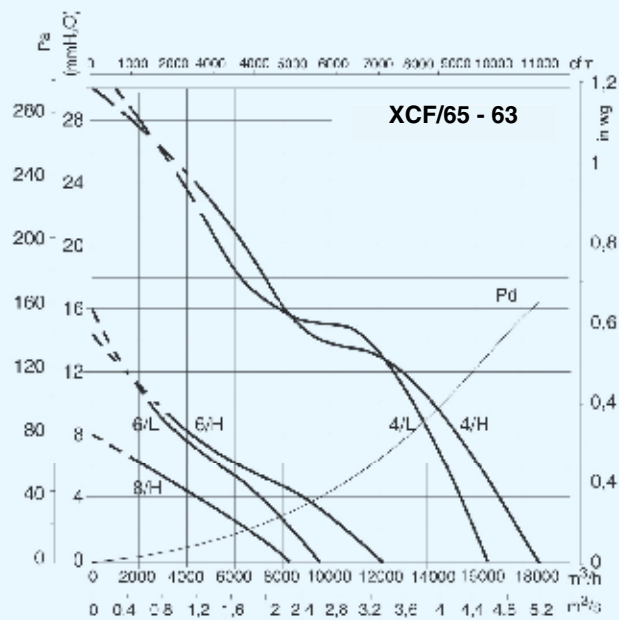
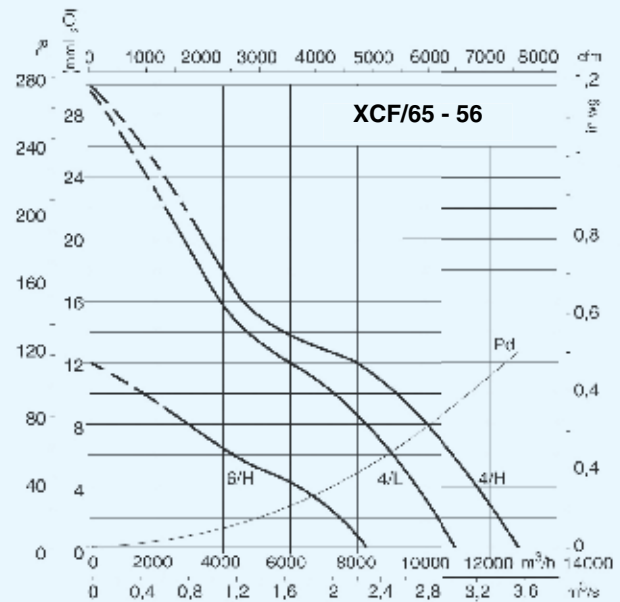
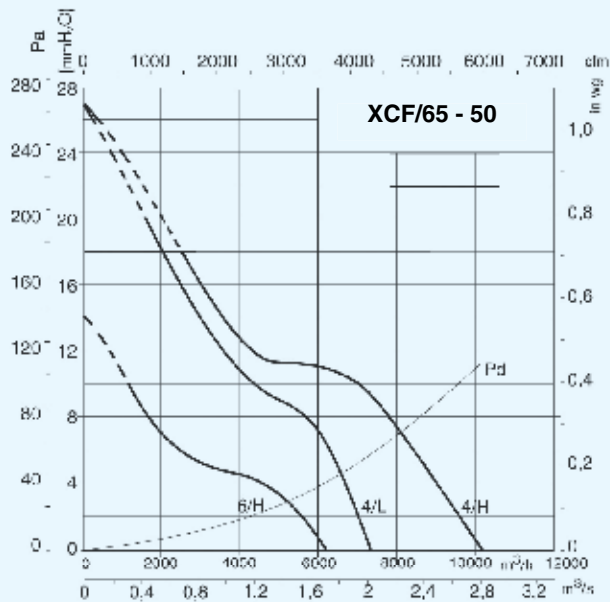
Pe = Static pressure in mmH₂O, Pa and inwg.



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.



Long cased belt-driven axial fans with casing opening up to 180°.



- Long casing with sheet steel twist-lock cap.
- Impellers made from cast aluminium
- Sealed transmission unit (IP66) with double retention system
- Airflow direction from motor to impeller

- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with bearings, IP55 protection.
- Single-phase 230V. -50Hz. and three-phase 230/400V.-50Hz. (up to 5.5CV), and 400/690V.-50Hz. (power over 5.5CV).
- Working temperature: -25°C.+ 150°C.

- Airflow direction from impeller to motor
- 100% reversible impellers.
- Special windings for different voltages
- ATEX Certification, category 2 (see XLX/ATEX series)

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

XLX — **35** — **2T** — **0,75**

axial fans

Impeller diameter in cm.

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz

T=Three-phase

Power motor (c.v)

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
XLX-35-2T-0.75	2720	2.57	1.49		0.55	4750	77	22
XLX-35-4T-0.33	1420	1.66	0.96		0.25	2500	60	20
XLX-45-4T-0.33	1200	1.66	0.96		0.25	6300	69	32
XLX-45-4T-0.50	1420	2.02	1.17		0.37	6600	70	35.5
XLX-50-4T-0.75	1310	2.92	1.69		0.55	9000	70	32.5
XLX-50-4T-1	1500	3.10	1.79		0.75	10800	71	34
XLX-56-4T-0.75	1380	2.92	1.69		0.55	11300	72	35.5
XLX-56-4T-1	1420	3.10	1.79		0.75	12200	73	35.5
XLX-56-4T-1.5	1420	4.03	2.32		1.1	14500	75	39
XLX-63-4T-1.5	1300	4.03	2.32		1.1	16000	74	59
XLX-63-4T-2	1420	5.96	3.44		1.5	17500	78	63
XLX-71-4T-1.5	1200	4.03	2.32		1.1	20300	78	73.5
XLX-71-4T-2	1350	5.96	3.44		1.5	22500	79	76.8
XLX-71-4T-3	1450	8.36	4.83		2.2	24000	81	85.2
XLX-80-4T-3	1200	8.36	4.83		2.2	29000	83	95
XLX-80-4T-4	1350	10.96	6.33		3	32000	84	100
XLX-80-4T-5.5	1450	14.10	8.12		4	40500	84	106
XLX-90-4T-5.5	1280	14.10	8.12		4	44000	89	118
XLX-90-4T-7.5	1400		11.60	6.72	5.5	51000	91	132
XLX-100-4T-10	1450		14.20	8.20	7.5	63000	93	159
XLX-100-4T-15	1450		20.20	11.60	11	68000	94	181

Acoustic features

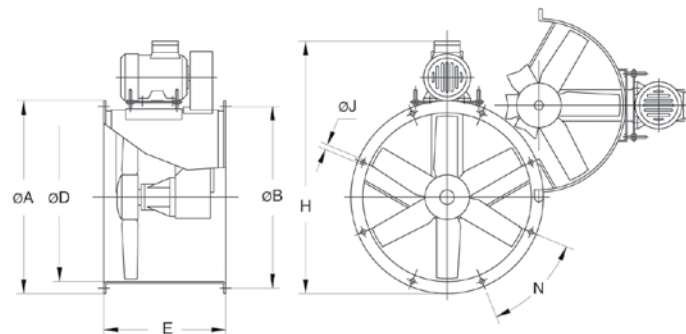
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power $L_w(A)$ spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
XLX-35-2-0.75	48	63	82	81	82	81	76	67
XLX-35-4-0.33	31	46	65	64	65	64	59	50
XLX-45-4-0.33	40	55	74	73	74	73	68	59
XLX-45-4-0.50	41	56	75	74	75	74	69	60
XLX-50-4-0.75	44	58	77	77	78	76	72	63
XLX-50-4-1	45	59	78	78	79	77	73	64
XLX-56-4-0.75	47	67	75	80	82	79	72	61
XLX-56-4-1	48	68	76	81	83	80	73	62
XLX-56-4-1.5	57	68	78	84	85	80	69	65
XLX-63-4-1.5	51	71	79	84	86	83	76	65
XLX-63-4-2	62	73	83	89	90	85	74	70

Model	63	125	250	500	1000	2000	4000	8000
XLX-71-4-1.5	55	75	83	88	90	87	80	69
XLX-74-4-2	56	76	84	89	91	88	81	70
XLX-71-4-3	65	76	86	92	93	88	77	73
XLX-80-4-3	60	80	88	93	95	92	85	74
XLX-80-4-4	61	81	89	94	96	93	86	75
XLX-80-4-5.5	68	79	89	95	96	91	80	76
XLX-90-4-5.5	67	88	95	100	103	99	92	81
XLX-90-4-7.5	69	90	97	102	105	101	94	83
XLX-100-4-10	73	93	101	106	108	105	98	87
XLX-100-4-15	74	94	102	107	109	106	99	88

Dimensions in mm



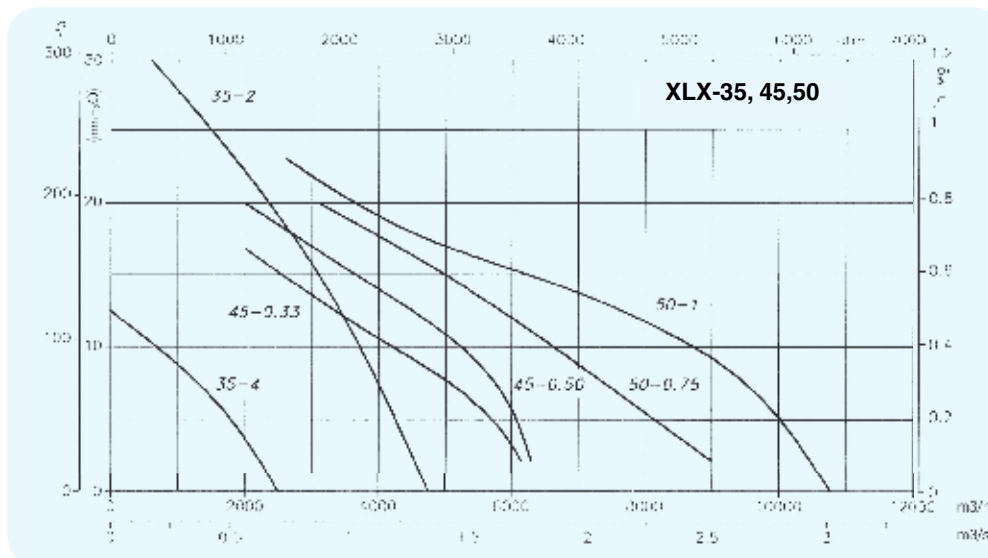
Model	ØA	ØB	ØD	E	H	ØJ	N
XLX-35-2T-0.75	425	395	355	380	606	10	8x45°
XLX-35-4T-0.33	425	395	355	380	609	10	8x45°
XLX-45-4T-0.33	540	500	460	420	740	12	8x45°
XLX-45-4T-0.50	540	500	460	420	728	12	8x45°
XLX-50-4T-0.75	600	560	512	420	803	12	12x30°
XLX-50-4T-1	600	560	512	420	803	12	12x30°
XLX-56-4T-0.75	660	620	560	450	848	12	12x30°
XLX-56-4T-1	660	620	560	450	848	12	12x30°
XLX-56-4T-1.5	660	620	560	450	870	12	12x30°
XLX-63-4T-1.5	730	690	640	500	950	12	12x30°
XLX-63-4T-2	730	690	640	500	950	12	12x30°

Model	ØA	ØB	ØD	E	H	ØJ	N
XLX-71-4T-1.5	810	770	710	550	1017	12	16x22°30'
XLX-71-4T-2	810	770	710	550	1017	12	16x22°30'
XLX-71-4T-3	810	770	710	550	1035	12	16x22°30'
XLX-80-4T-3	900	860	800	600	1173	12	16x22°30'
XLX-80-4T-4	900	860	800	600	1173	12	16x22°30'
XLX-80-4T-5.5	900	860	800	600	1200	12	16x22°30'
XLX-90-4T-5.5	1015	970	900	650	1320	15	16x22°30'
XLX-90-4T-7.5	1015	970	900	650	1320	15	16x22°30'
XLX-100-4T-10	1115	1070	1000	750	1483	15	16x22°30'
XLX-100-4T-15	1115	1070	1000	750	1513	15	16x22°30'

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

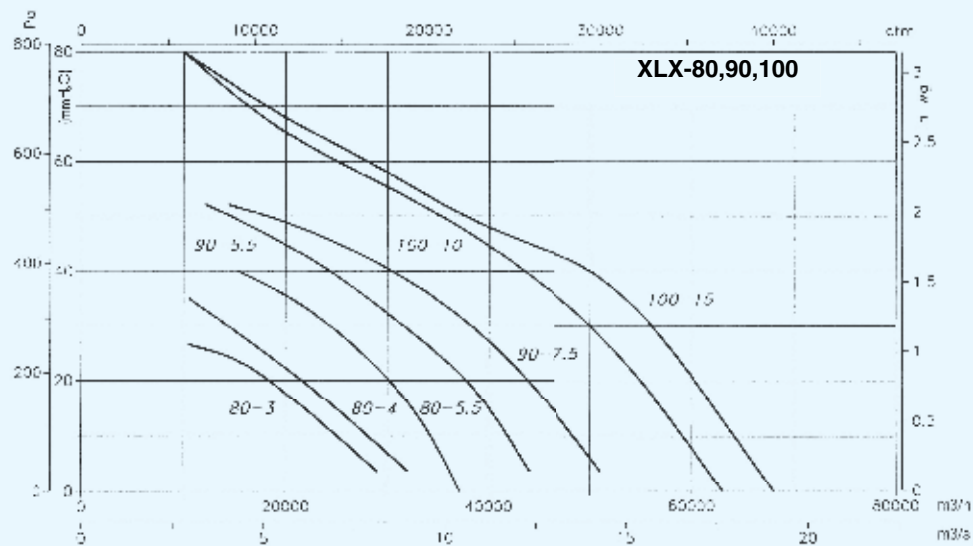
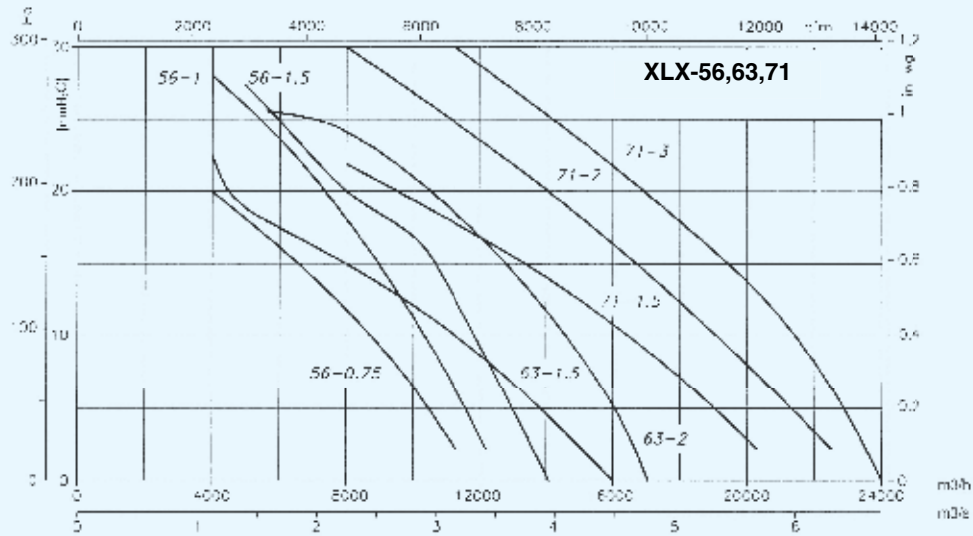
Pe = Static pressure in mmH₂O, Pa and inwg.



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.



XMF

Mobile long-cased axial fans

Mobile fans with possibility of directing airflow.



Fan:

- Sheet steel tubular casing.
- Impeller in polyamide 6 reinforced with fibre glass
- Protection guard against contacts, in accordance with standard UNE 100250, on both sides
- Connection box with start-stop switch that can be rearmed manually to avoid switching the fan on accidentally (ISO 12100-2)
- Airflow direction from motor to impeller

Motor:

- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with ball bearings and IP55 protection, except single-phase versions from size 35 to size 56, IP54 protection.
- Single-phase 230V.-50Hz., and three-phase 230/400V.-50Hz.
- Working temperature: -25°C.+ 50°C

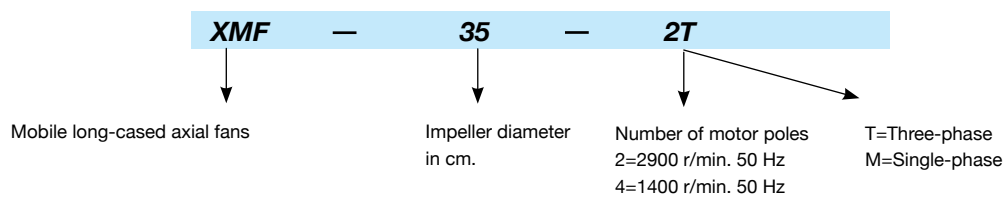
Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Airflow direction from impeller to motor
- 100% reversible impellers.
- Special windings for different voltages
- ATEX certification, Category 2

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V				
XMF-35-2T	2710	1.92	1.11	0.37	5750	77	13
XMF-35-2M	2780	2.53		0.37	5750	77	13
XMF-35-4T	1320	0.65	0.38	0.09	3100	59	12
XMF-35-4M	1380	0.65		0.09	3100	59	12
XMF-40-4T	1350	1.66	0.96	0.25	5150	64	19
XMF-40-4M	1370	2		0.25	5150	64	19
XMF-45-4T	1370	2.02	1.17	0.37	7100	68	22
XMF-45-4M	1400	2.76		0.37	7100	68	22
XMF-56-4T	1380	2.92	1.69	0.55	11050	72	27
XMF-56-4M	1400	4.4		0.55	11050	72	27
XMF-63-4T	1400	4.03	2.32	1.1	17000	74	35

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
XMF-35-2T	A	S	NO	1.00	37.1%	45.2	0.515	2998	23.40	2737
XMF-35-2M	A	S	NO	1.00	36.5%	44.6	0.524	2983	23.52	2791
XMF-35-4T	A	S	NO	1.00	27.4%	39.3	0.128	1857	6.94	1400
XMF-35-4M	A	S	NO	1.00	25.6%	37.4	0.137	1851	6.96	1425
XMF-40-4T	A	S	NO	1.00	32.0%	41.7	0.289	3401	10.00	1396
XMF-40-4M	A	S	NO	1.00	28.2%	37.5	0.329	3332	10.23	1401
XMF-45-4T	A	S	NO	1.00	33.4%	41.8	0.475	4228	13.80	1392
XMF-45-4M	A	S	NO	1.00	29.6%	37.6	0.538	4257	13.73	1410
XMF-56-4T	A	S	NO	1.00	33.2%	40.6	0.660	6808	11.81	1405
XMF-56-4M	A	S	NO	1.00	32.7%	40.1	0.669	6622	12.13	1422
XMF-63-4T	C	S	NO	1.00	45.3%	51.1	1.179	10593	18.50	1412



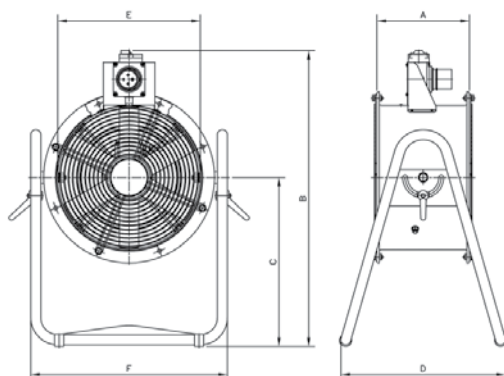
Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

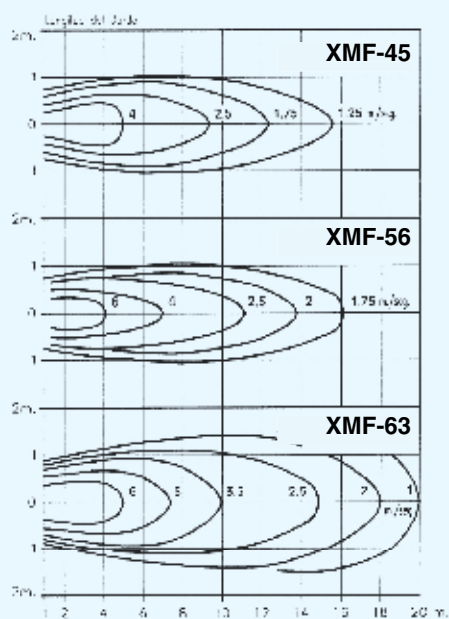
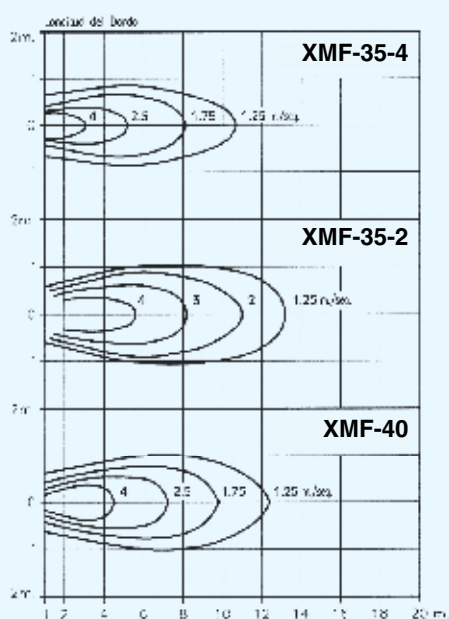
Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
XMF-35-2	42	59	71	79	84	84	80	73	XMF- 45-4	33	50	62	70	75	75	71	64
XMF- 35-4	24	41	53	61	66	66	62	55	XMF- 56-4	39	56	69	76	81	82	77	70
XMF- 40-4	29	46	58	66	71	71	67	60	XMF- 63-4	43	60	73	80	85	86	81	74

Dimensions in mm



Model	A	B	C	D	E	F
XMF-35	280	736	420	415	355	489
XMF-40	320	775	481	450	410	596
XMF-45	360	795	481	453	460	596
XMF-56	400	945	594	522	560	726
XMF-63	430	978	594	522	640	805

Characteristics of jet with fan positioned 1 metre away from point 0



XBF



Bifurcated/Forked axial fan with motor outside the air flow

Forked tubular fans for moving air of up to 150°C continuously and up to 200°C sporadically.

Fan:

- Sheet steel tubular casing.
- Impeller made from cast aluminium
- Airflow direction from impeller to motor

Motor:

- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors with ball bearings, IP-55 protection
- Three-phase 230/400V.-50Hz. (up to 5.5CV) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -25°C.+ 150°C.

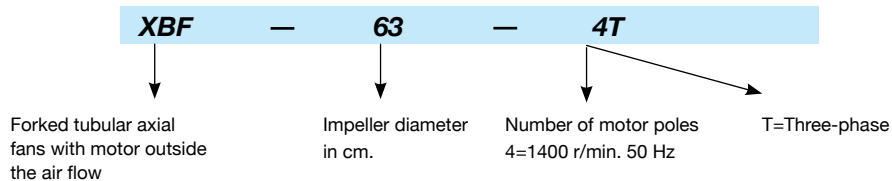
Finish:

- Anticorrosive with heat-protection paint for working in hot environments

On request:

- Casing made from stainless steel
- Hot galvanised finish
- Special windings for different voltages and motors with PTC

Order code

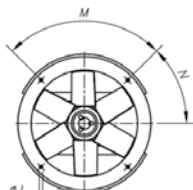
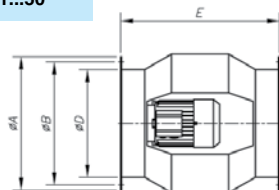


Technical characteristics

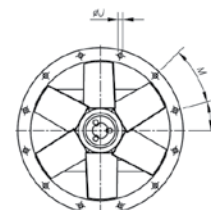
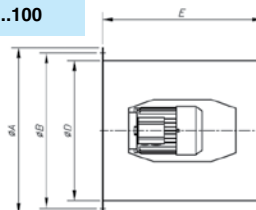
Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V				
XBF-31-2T	2760	2.57	1.49	0.55	2900	77	25
XBF-31-2M	2810	3.49	-	0.55	2900	77	26
XBF-31-4T	1350	1.66	0.96	0.25	1600	66	24
XBF-31-4M	1370	2.00	-	0.25	1600	66	25
XBF-40-2T	2860	4.20	2.40	1.10	6200	82	45
XBF-40-2M	2820	6.51	-	1.10	6200	82	46
XBF-40-4T	1370	2.02	1.17	0.37	3200	75	40
XBF-45-2T	2900	10.18	5.88	3.00	8550	84	57
XBF-50-4T	1410	3.10	1.79	0.75	6750	76	73
XBF-63-4T	1400	4.03	2.32	1.10	11150	77	91
XBF-71-4T	1440	14.10	8.12	4.00	15850	79	164
XBF-71-6T	900	2.99	1.73	0.55	11200	74	140
XBF-80-6T	945	4.88	2.82	1.10	14900	77	190
XBF-100-6T	945	4.88	2.82	1.10	21700	80	260

Dimensions in mm

XBF-31...50



XBF-63...100

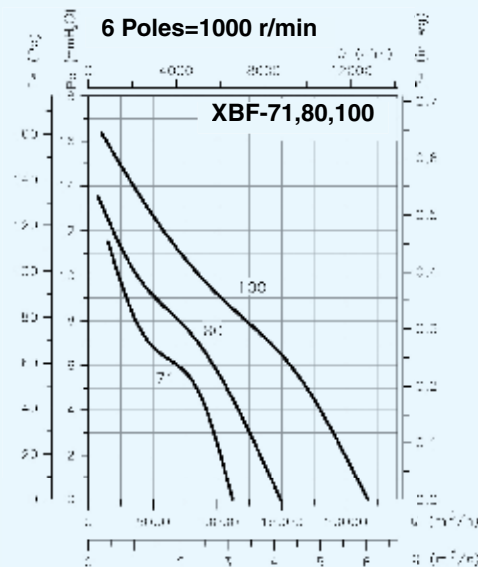
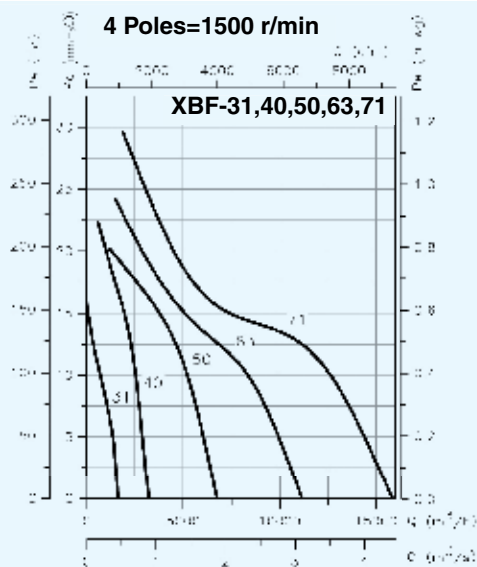
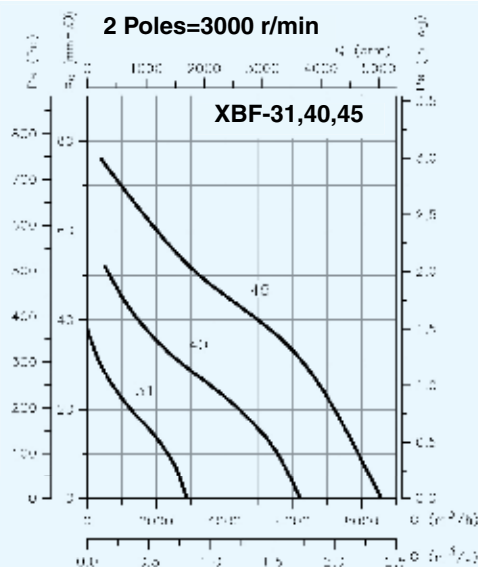


Model	ØA	ØB	ØD	E	ØJ	M	N
XBF-31	385	355	308	460	10	4x90°	45°
XBF-40	490	450	410	580	12	8x45°	22'5°
XBF-45	540	500	460	640	12	8x45°	22'5°
XBF-50	600	560	514	730	12	12x30°	15°
XBF-63	730	690	640	730	12	12x30°	15°
XBF-71	810	770	710	770	12	16x22'5°	11'25°
XBF-80	900	860	800	830	12	16x22'5°	11'25°
XBF-100	1115	1070	1000	1270	15	16x22'5°	11'25°

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.



XLS



Large-diameter axial fan for farms

Wall-mounted axial fans designed for large, low-speed airflows with automatic louvre opening system.

Fan:

- Sheet steel base plate.
- Galvanised steel structure
- Galvanised sheet steel impeller
- Protection guard, meets UNE 100250 standard
- Designed especially for use in farms and hothouses
- Airflow direction from motor to impeller

Motor:

- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with bearings, IP55 protection.
- Three-phase 230/400V.-50Hz
- Working temperature: -25°C.+ 50°C

Finish:

- Anticorrosive galvanized sheet steel

On request:

- Without shutter and with a protective grille on the impulsion side
- Special windings for different voltages

Order code

XLS	—	80	—	T	—	0,5
↓		↓		↓		↓
Large-diameter axial fan for farms		Impeller diameter in cm.		T=Three-phase		Motor power (CV)

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V				
XLS-80-T-0.5	570	1.70	1.00	0.37	16000	63	48
XLS-80-T-0.75	630	2.40	1.40	0.55	18000	65	49
XLS-100-T-0.5	398	2.10	1.20	0.37	25000	62	63
XLS-100-T-0.75	472	2.80	1.60	0.55	29000	65	64
XLS-100-T-1	503	3.50	2.00	0.75	32000	66	66
XLS-125-T-1	437	3.50	2.00	0.75	38000	69	87
XLS-125-T-1.5	485	4.80	2.80	1.10	43000	72	90

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

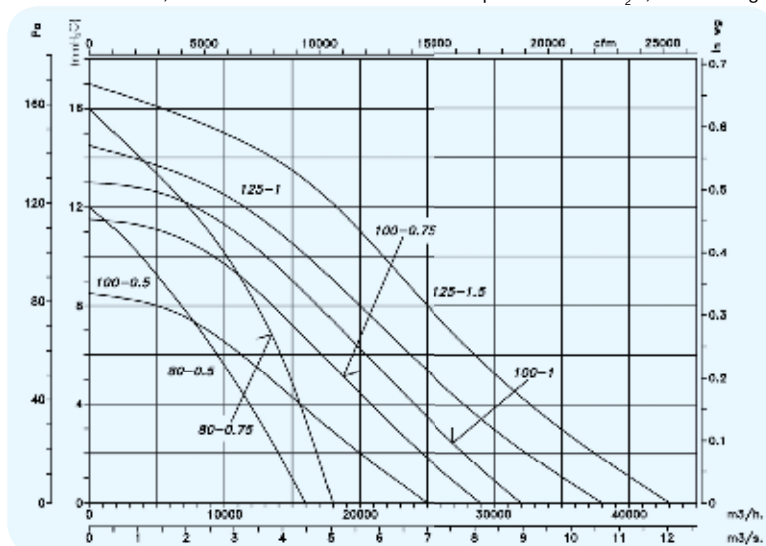
Model	63	125	250	500	1000	2000	4000	8000
XLS-80-T-0.5	57	64	72	74	72	69	66	58
XLS-80-T-0.75	59	66	74	76	74	71	68	60
XLS-100-T-0.5	57	65	73	75	73	70	66	59
XLS-100-T-0.75	60	68	76	78	76	73	69	62

Model	63	125	250	500	1000	2000	4000	8000
XLS-100-T-1	61	69	77	79	77	74	70	63
XLS-125-T-1	64	72	80	82	80	77	73	66
XLS-125-T-1.5	67	75	83	85	83	80	76	69

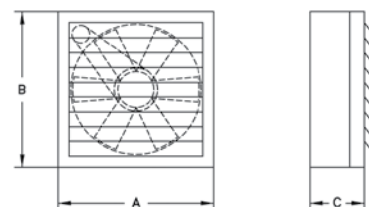
Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

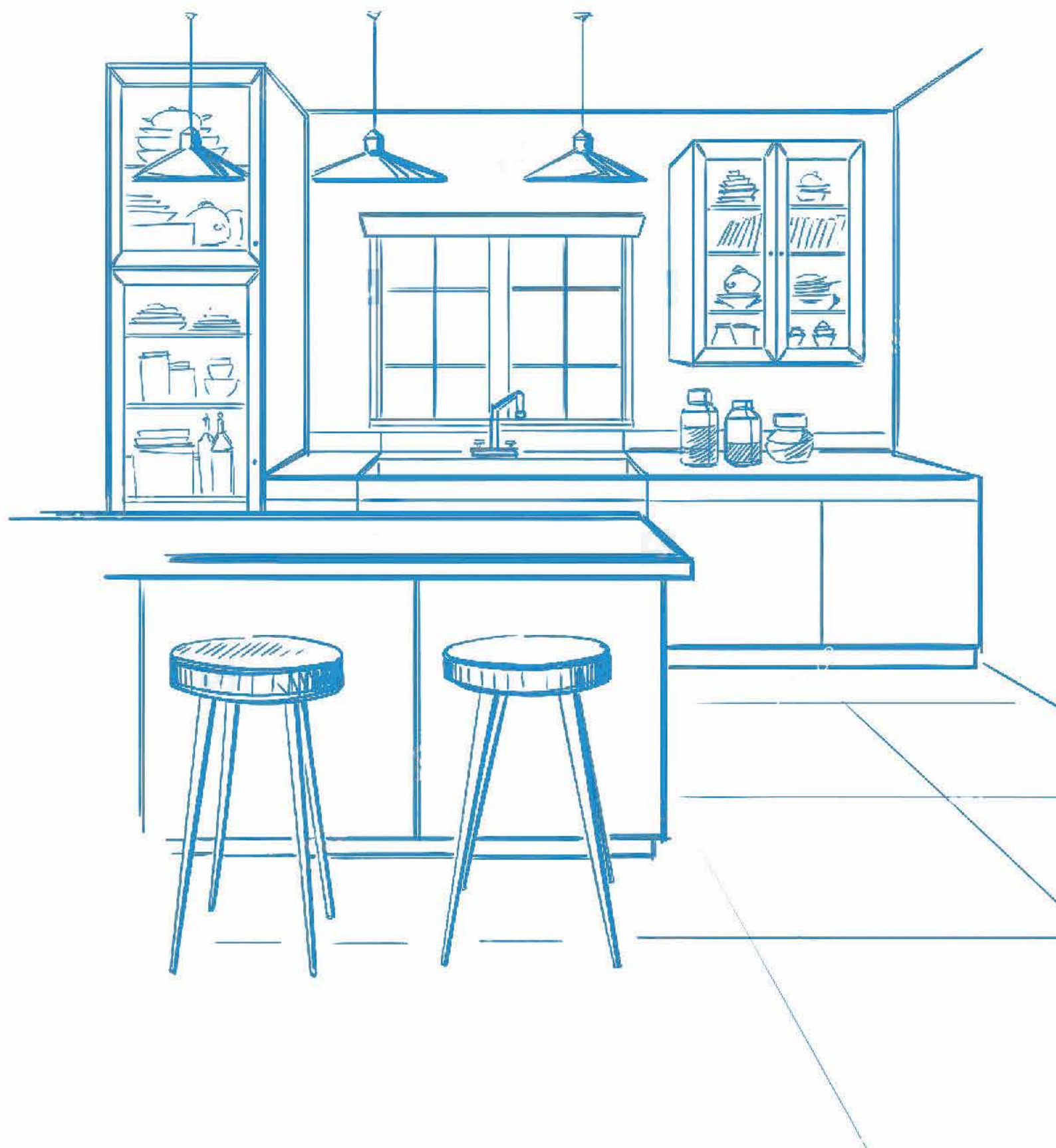


Dimensions in mm



Model	A	B	C
XLS-80	925	925	427
XLS-100	1125	1125	447
XLS-125	1375	1375	480





CFI

CFI: Centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller



Fan:

- Steel sheet casing
- Impeller with forward-facing blades made from galvanised sheet steel
- Model CFI 38-2M casing made from cast aluminium

Motor:

- Motors with IE-2 efficiency, except for motors with lower powers than 0.75 kW and single-phase motors.
- Class F motors with ball bearings, IP55 protection, except single-phase models which have IP54 protection. Model CFI-38 IP21 protection
- Single-phase 230V.-50Hz. and three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20°C.+ 120°C., maximum +100°C. model CFI-38

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

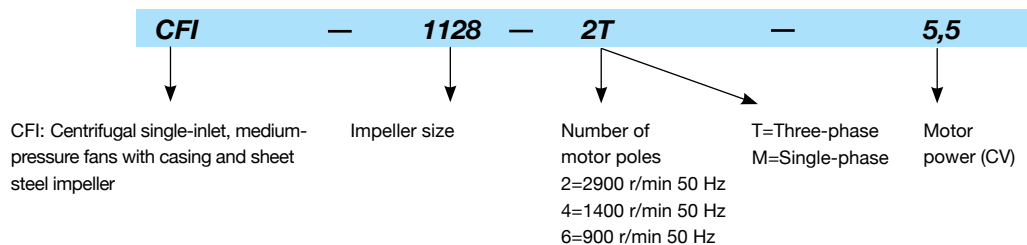
- Special windings for different voltages
- Fan designed to transport air up to 250°C
- Stainless steel fans
- ATEX Certification, category 2 (see CFI/ATEX series)

Finish:



Dynamically balanced wheels with robust centres

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CFI-38-2M/E	2650	0.50			0.01	135	50	2.0
CFI-38-2M	2600	0.50			0.01	160	50	2.0
CFI-512-2T	2670	0.64	0.37		0.09	380	62	4.0
CFI-512-2M	2760	0.79			0.09	380	62	4.0
CFI-512-4T	1320	0.55	0.32		0.06	255	55	3.5
CFI-512-4M	1360	0.59			0.06	255	55	3.5
CFI-514-2T	2750	1.21	0.70		0.18	700	65	5.0
CFI-514-2M	2780	1.42			0.18	700	65	5.0
CFI-514-4T	1320	0.65	0.38		0.09	565	58	4.5
CFI-514-4M	1370	0.83			0.09	565	58	4.5
CFI-616-2T	2760	2.57	1.49		0.55	1380	69	8.0
CFI-616-2M	2810	3.49			0.55	1380	69	9.5
CFI-616-4T	1320	0.96	0.56		0.12	850	61	7.5
CFI-616-4M	1380	1.03			0.12	850	61	7.5
CFI-620-2T	2710	1.92	1.11		0.37	765	68	9.5
CFI-620-2M	2780	2.53			0.37	765	68	10.0
CFI-620-4T	1320	0.96	0.56		0.12	810	61	7.5
CFI-620-4M	1380	1.03			0.12	810	61	7.5
CFI-718-2T	2770	2.78	1.60		0.75	1485	70	12.5

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CFI-718-2M	2810	4.50			0.75	1485	70	12.8
CFI-718-4T	1350	1.66	0.96		0.25	1280	63	9.5
CFI-718-4M	1370	2.00			0.25	1280	63	9.5
CFI-820-2T	2860	4.20	2.40		1.10	1950	73	15.0
CFI-820-2M	2820	6.51			1.10	1950	73	16.0
CFI-820-4T	1350	1.66	0.96		0.25	1670	66	10.0
CFI-820-4M	1370	2.00			0.25	1670	66	10.0
CFI-922-2T-1.5	2860	4.20	2.40		1.10	1650	70	20.0
CFI-922-2T-2	2770	5.44	3.13		1.50	2010	71	23.0
CFI-922-2T-3	2885	7.77	4.47		2.20	2600	74	25.5
CFI-922-4T	1380	2.92	1.69		0.55	2450	66	19.0
CFI-1025-2T-3	2885	7.77	4.47		2.20	2100	73	28.5
CFI-1025-2T-4	2900	10.18	5.88		3.00	2830	77	37.6
CFI-1025-4T	1400	4.03	2.32		1.10	3400	70	38.5
CFI-1128-2T-4	2900	10.18	5.88		3.00	2220	77	41.5
CFI-1128-2T-5.5	2870	13.60	7.82		4.00	3210	81	47.0
CFI-1128-4T	1445	8.36	4.83		2.20	5000	74	39.0
CFI-1128-6T	945	3.90	2.20		0.75	3300	60	28.5
CFI-1231-4T-3	1445	8.36	4.83		2.20	4740	73	47.0
CFI-1231-4T-4	1445	10.96	6.33		3.00	5910	75	49.0
CFI-1231-4T-5.5	1440	14.10	8.12		4.00	6850	77	56.0
CFI-1231-6T	955	6.42	3.71		1.50	5115	64	49.0
CFI-1435-4T-4	1445	10.96	6.33		3.00	5395	76	53.0
CFI-1435-4T-5.5	1440	14.10	8.12		4.00	6575	78	61.5
CFI-1435-4T-7.5	1460		10.60	6.10	5.50	7940	80	75.5
CFI-1435-6T	955	9.30	5.30		2.20	6400	66	58.5
CFI-1640-4T-5.5	1440	14.10	8.12		4.00	7000	77	78.5
CFI-1640-4T-7.5	1460		10.60	6.10	5.50	8035	80	92.5
CFI-1640-4T-10	1455		14.20	8.20	7.50	9710	82	103.5
CFI-1640-6T	955	9.30	5.30		2.20	8100	71	75.5
CFI-1845-4T-7.5	1460		10.60	6.10	5.50	8000	82	93.5
CFI-1845-4T-10	1455		14.20	8.20	7.50	10000	85	104.5
CFI-1845-6T	955	9.30	5.30		2.20	7500	77	84.0
CFI-2050-4T-10	1455		14.20	8.20	7.50	9000	83	134.0
CFI-2050-4T-15	1460		20.20	11.60	11.00	12525	87	153.0
CFI-2050-4T-20	1460		27.50	15.90	15.00	16500	89	172.0
CFI-2050-6T	960	16.50	9.46		4.00	11000	79	146.0
CFI-2563-6T	965		31.00	18.00	15.00	21000	86	251.0

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH ₂ O)	(RPM)
CFI-38-2M/E	-	-	-	-	-	-	0.057	77	12.05	2600
CFI-38-2M	-	-	-	-	-	-	0.058	101	11.15	2537
CFI-512-4T	-	-	-	-	-	-	0.058	156	8.03	1401
CFI-512-4M	-	-	-	-	-	-	0.076	155	8.08	1397
CFI-514-2T	A	S	NO	1.01	34.1%	45.1	0.185	399	57.91	2833
CFI-514-2M	A	S	NO	1.01	29.0%	39.4	0.226	428	56.34	2834
CFI-514-4T	-	-	-	-	-	-	0.085	326	11.33	1405
CFI-514-4M	-	-	-	-	-	-	0.072	328	11.28	1441
CFI-616-2T	A	S	NO	1.01	36.8%	46.0	0.344	639	72.61	2893
CFI-616-2M	A	S	NO	1.01	30.3%	38.7	0.478	825	64.57	2884
CFI-616-4T	-	-	-	-	-	-	0.096	485	15.35	1410
CFI-616-4M	-	-	-	-	-	-	0.101	490	15.26	1433
CFI-620-2T	A	S	NO	1.01	38.0%	46.1	0.525	699	104.72	2732
CFI-620-2M	A	S	NO	1.01	36.2%	44.0	0.578	765	100.23	2770



Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	$\eta_e[\%]$	N	(kW)	(m ³ /h)	(mmH ₂ O)	(RPM)
CFI-620-4T	-	-	-	-	-	-	0.115	369	24.13	1393
CFI-620-4M	-	-	-	-	-	-	0.123	407	22.75	1419
CFI-718-2T	A	S	NO	1.01	38.4%	46.1	0.601	909	93.17	2856
CFI-718-2M	A	S	NO	1.01	33.5%	40.7	0.742	1006	90.76	2861
CFI-718-4T	-	-	-	-	-	-	0.124	622	23.27	1455
CFI-718-4M	A	S	NO	1.00	27.2%	38.5	0.160	722	22.08	1452
CFI-820-2T	A	S	NO	1.01	47.0%	54.4	0.674	935	124.36	2932
CFI-820-2M	A	S	NO	1.01	39.9%	46.2	1.028	1317	114.37	2874
CFI-820-4T	A	S	NO	1.00	35.2%	46.5	0.165	721	29.53	1441
CFI-820-4M	A	S	NO	1.00	30.0%	40.6	0.217	841	28.40	1435
CFI-922-2T-1.5	A	S	NO	1.01	45.9%	51.5	1.352	1652	138.04	2863
CFI-922-2T-2	A	S	NO	1.02	43.1%	48.2	1.585	1736	144.34	2803
CFI-922-2T-3	A	S	NO	1.02	41.6%	46.3	1.828	1915	145.68	2920
CFI-922-4T	A	S	NO	1.00	36.4%	46.0	0.307	1187	34.59	1437
CFI-1025-2T-3	A	S	NO	1.02	42.2%	46.3	2.302	1923	185.64	2899
CFI-1025-2T-4	A	S	NO	1.02	43.2%	46.3	3.251	2717	189.89	2908
CFI-1025-4T	A	S	NO	1.01	38.9%	47.1	0.506	1501	48.06	1462
CFI-1128-2T-4	A	S	NO	1.02	43.0%	46.3	2.990	2216	212.96	2916
CFI-1128-2T-5.5	A	S	NO	1.02	44.1%	46.4	4.359	3095	227.92	2878
CFI-1128-4T	A	S	NO	1.01	40.5%	46.8	1.002	2303	64.68	1479
CFI-1128-6T	A	S	NO	1.00	36.8%	46.0	0.348	1622	28.94	981
CFI-1231-4T-3	A	S	NO	1.01	41.7%	46.9	1.482	2927	77.43	1469
CFI-1231-4T-4	A	S	NO	1.01	41.2%	46.2	1.613	3143	77.62	1475
CFI-1231-4T-5.5	A	S	NO	1.01	41.3%	46.2	1.653	3120	80.29	1478
CFI-1231-6T	A	S	NO	1.00	38.3%	46.1	0.579	2332	34.85	986
CFI-1435-4T-4	A	S	NO	1.01	42.4%	46.3	2.428	3916	96.46	1462
CFI-1435-4T-5.5	A	S	NO	1.01	42.4%	46.3	2.425	3865	97.59	1468
CFI-1435-4T-7.5	A	S	NO	1.01	42.5%	46.3	2.492	3904	99.52	1476
CFI-1435-6T	A	S	NO	1.01	39.6%	46.2	0.906	3441	38.22	985
CFI-1640-4T-5.5	A	S	NO	1.01	55.4%	58.7	3.000	4685	130.10	1461
CFI-1640-4T-7.5	A	S	NO	1.01	48.0%	50.6	3.899	5080	135.33	1463
CFI-1640-4T-10	A	S	NO	1.02	43.1%	45.2	4.596	5382	135.00	1476
CFI-1640-6T	A	S	NO	1.01	43.9%	49.5	1.300	3946	53.00	978
CFI-1845-4T-7.5	A	S	NO	1.02	57.0%	58.3	6.385	7900	169.13	1439
CFI-1845-4T-10	A	S	NO	1.02	56.7%	57.6	7.387	8599	178.87	1461
CFI-1845-6T	A	S	NO	1.01	47.0%	51.3	2.070	5546	64.33	965
CFI-2050-4T-10	A	S	NO	1.02	54.9%	55.4	8.393	8977	188.36	1455
CFI-2050-4T-15	A	S	NO	1.02	55.7%	56.0	9.285	9695	195.91	1470
CFI-2050-4T-20	B	T	NO	1.03	69.8%	69.5	16.819	16500	261.08	1459
CFI-2050-6T	A	S	NO	1.01	36.5%	39.0	3.988	6929	77.00	966
CFI-2563-6T	B	T	NO	1.02	59.3%	59.0	16.629	21000	172.41	967

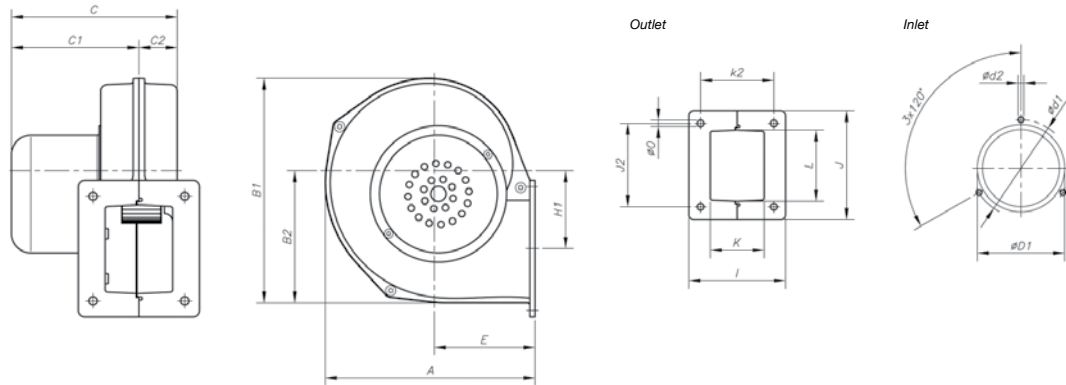
Acoustic features

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
38	25	35	46	53	57	54	52	45	1128-6	35	45	56	63	67	64	62	55
512-2	37	47	58	65	69	66	64	57	1231-4-3	51	60	71	78	82	80	78	71
512-4	30	40	51	58	62	59	57	50	1231-4-4	53	62	73	80	84	82	80	73
514-2	40	50	61	68	72	69	67	60	1231-4-5,5	55	64	75	82	86	84	82	75
514-4	33	43	54	61	65	62	60	53	1231-6	42	51	62	69	73	71	69	62
616-2	44	54	65	72	76	73	71	64	1435-4-4	54	63	74	81	85	83	81	74
616-4	36	46	57	64	68	65	63	56	1435-4-5,5	56	65	76	83	87	85	83	76
620-2	43	53	64	71	75	72	70	63	1435-4-7,5	58	67	78	85	89	87	85	78
620-4	36	46	57	64	68	65	63	56	1435-6	44	53	64	71	75	73	71	64
718-2	45	55	66	73	77	74	72	65	1640-4-5,5	55	64	75	82	86	84	82	75
718-4	38	48	59	66	70	67	65	58	1640-4-7,5	58	67	78	85	89	87	85	78
820-2	48	58	69	76	80	77	75	68	1640-4-10	60	69	80	87	91	89	87	80
820-4	41	51	62	69	73	70	68	61	1640-6	49	58	69	76	80	78	76	69
922-2-1,5	45	55	66	73	77	74	72	65	1845-4-7,5	61	71	82	89	93	91	89	81
922-2-2	46	56	67	74	78	75	73	66	1845-4-10	64	74	85	92	96	94	92	84
922-2-3	49	59	70	77	81	78	76	69	1845-6	56	66	77	84	88	86	84	76
922-4	41	51	62	69	73	70	68	61	2050-4-10	62	72	83	90	94	92	90	82
1025-2-3	48	58	69	76	80	77	75	68	2050-4-15	66	76	87	94	98	96	94	86
1025-2-4	52	62	73	80	84	81	79	72	2050-4-20	68	78	89	96	100	98	96	88
1025-4	45	55	66	73	77	74	72	65	2050-6	58	68	79	86	90	88	86	78
1128-2-4	52	62	73	80	84	81	79	72	2563-6	67	77	88	95	99	96	94	87
1128-2-5,5	56	66	77	84	88	85	83	76									
1128-4	49	59	70	77	81	78	76	69									

Dimensions in mm

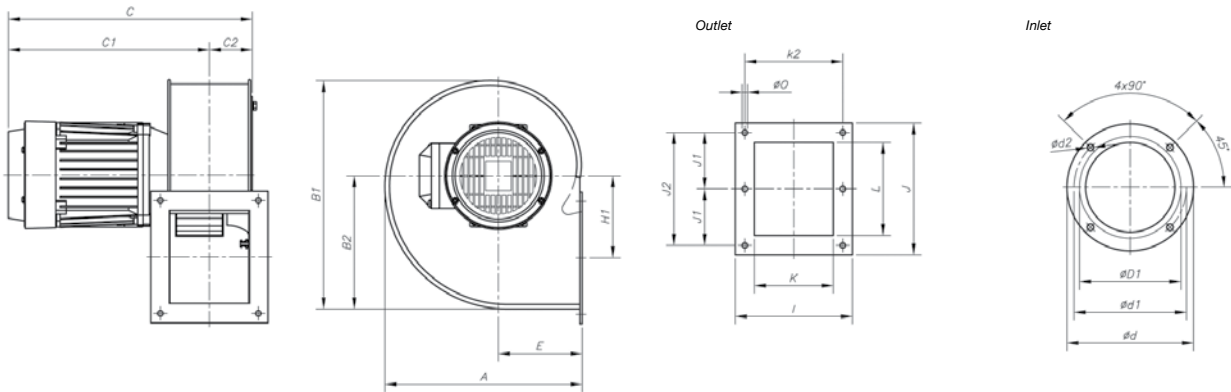
CFI-38



Model	A	B1	B2	C	C1	C2	ØD1*	Ød1	Ød2	E	H1	I	J	J2	K	k2	L	ØO
CFI-38-2M/E	141	165	97	122	96	26	80	85	2.4	60	60.5	100	80	46	50	77	52	8
CFI-38-2M	164.5	176.5	103.5	130	99	31	80	85	M4	79	64	95	107	82	53	72	67	6.5

* Recommended nominal diameter for duct.

CFI-512...820

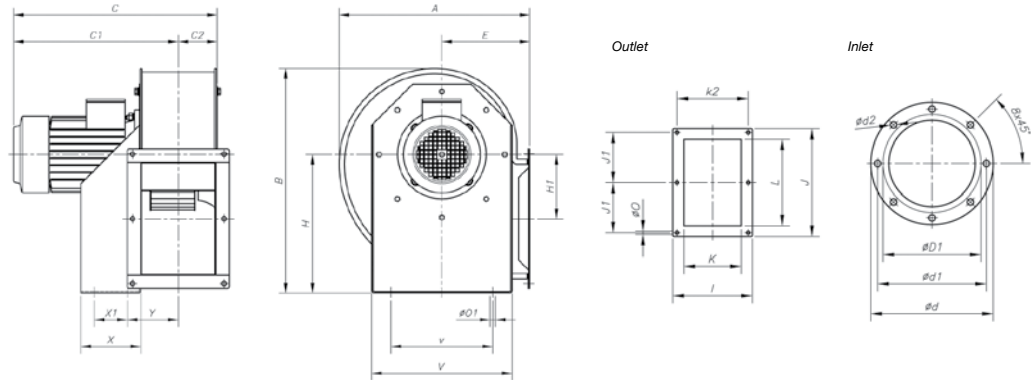


Model	A	B1	B2	C	C1	C2	ØD1*	Ød	Ød1	Ød2	E	H1	I	J	J1	J2	K	k2	L	ØO
CFI-512-2T	185	206.5	118	251	212	39	112	140	132	M4	82.5	69	104	117	-	104.5	75	92	86	5.5
CFI-512-4T	185	206.5	118	249	210	39	112	140	132	M4	82.5	69	104	117	-	104.5	75	92	86	5.5
CFI-514-2T	225	254	150	281	236	45	140	169	151.5	M4	100	91	122	147	64	128	83	105	107	6.5
CFI-514-4T	225	254	150	261	216	45	140	169	151.5	M4	100	91	122	147	64	128	83	105	107	6.5
CFI-616-2T	258	297	173.5	320	264	56	160	204	180	M6	110	105.5	153	172	-	147	103	128	125	7
CFI-616-4T	258	297	173.5	283	227	56	160	204	180	M6	110	105.5	153	172	-	147	103	128	125	7
CFI-620-2T	298	347	202.5	321	265	56	200	247	230	M6	126	145.5	159	153	-	128	105	134	100	8
CFI-620-4T	298	347	202.5	283	227	56	200	247	230	M6	126	145.5	159	153	-	128	105	134	100	8
CFI-718-2T	303.5	348	201	355	294	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CFI-718-2M	303.5	348	201	355	245	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CFI-718-4T	303.5	348	201	331	270	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CFI-718-4M	303.5	348	201	331	270	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CFI-820-2T	322	377	223	369.5	301	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9
CFI-820-2M	322	377	223	369.5	301	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9
CFI-820-4T	322	377	223	345.5	277	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9
CFI-820-4M	322	377	223	345.5	277	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9

* Recommended nominal diameter for duct.

Dimensions in mm

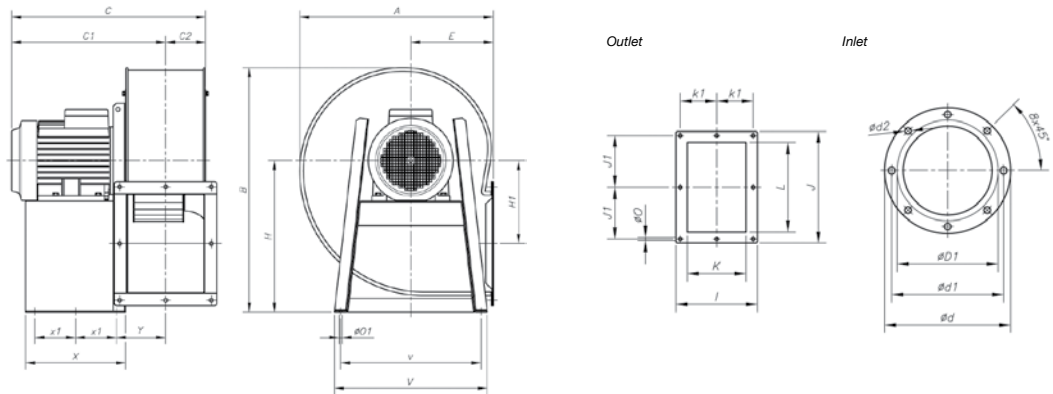
CFI-922...1231



Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k2	L	øO	øO1	V	v	X	X1	Y
CFI-922-2T-1'5	388.5	455	382.5	309	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CFI-922-2T-2	388.5	455	430.5	357	73.5	224	278	25	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CFI-922-2T-3	388.5	455	430.5	357	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CFI-922-4T	388.5	455	382.5	309	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CFI-1025-2T-3	427	503	456	370	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CFI-1025-2T-4	427	503	486	400	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CFI-1025-4T	427	503	456	370	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CFI-1128-2T-4	472	553	500.5	407	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CFI-1128-2T-5'5	472	553	523.5	430	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CFI-1128-4T	472	553	500.5	407	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CFI-1128-6T	472	553	470.5	377	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CFI-1231-4T-3	526	630	520.5	417	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CFI-1231-4T-4	526	630	520.5	417	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CFI-1231-4T-5'5	526	630	543.5	440	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CFI-1231-6T	526	630	520.5	417	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126

* Recommended nominal diameter for duct.

CFI-1435...2563



Model	A	B	C	C1	C2	øD1	ød	ød1	ød2	E	H	H1	I	J	J1	K	k1	L	øO	øO1	V	v	X	X1	Y
CFI-1435-4T-4	573.5	715	549	431	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CFI-1435-4T-5'5	573.5	715	572	454	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CFI-1435-4T-7'5	573.5	715	610	492	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CFI-1435-6T	573.5	715	572	454	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CFI-1640-4T-5'5	634	799	596	465	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CFI-1640-4T-7'5	634	799	634	504	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CFI-1640-4T-10	634	799	634	504	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CFI-1640-6T	634	799	596	466	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CFI-1845-4T-7'5	711	901	668	521	147	450	515	485	M8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CFI-1845-4T-10	711	901	668	521	147	450	515	485	M8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CFI-1845-6T	711	901	630	483	147	450	515	485	M8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CFI-2050-4T-10	797	987	700.5	538	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CFI-2050-4T-15	797	987	805.5	643	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CFI-2050-4T-20	797	987	805.5	643	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CFI-2050-6T	797	987	700.5	538	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CFI-2563-6T	1027	1213	1016	805	211	630	710	675	M10	460	742	378	512	706	330	410	230	600	17	14	590	540	450	200	239

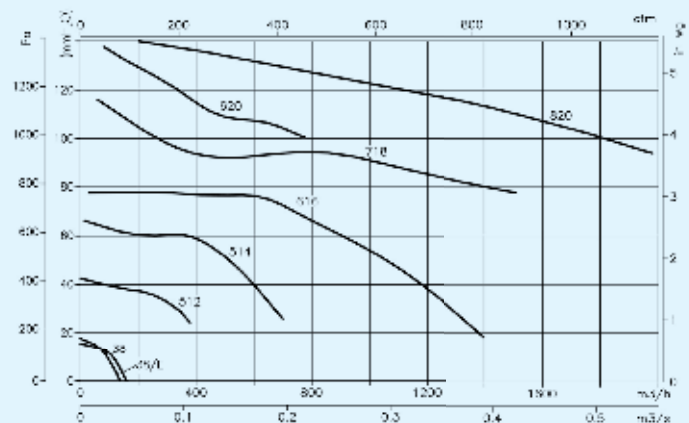
* Recommended nominal diameter for duct.

Characteristic curves

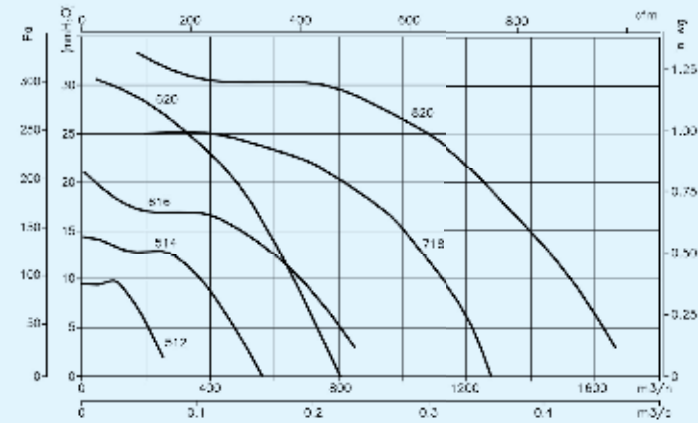
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.

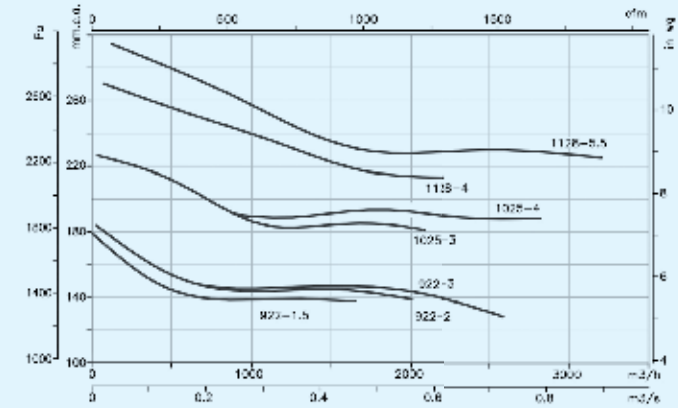
2T/2M=3000 r/min



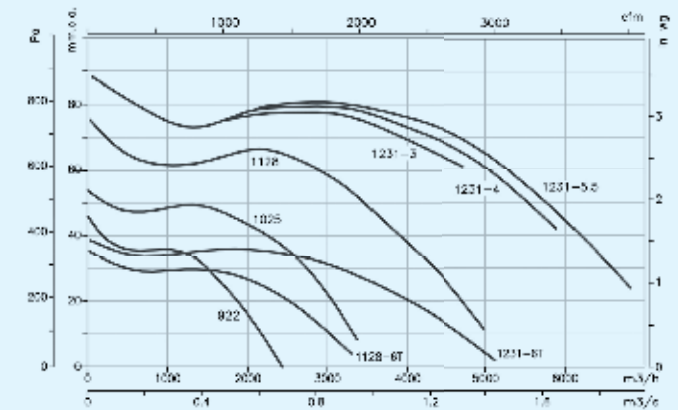
4T/4M=1500 r/min



2T=3000 r/min



4T=1500 r/min
6T=1000 r/min

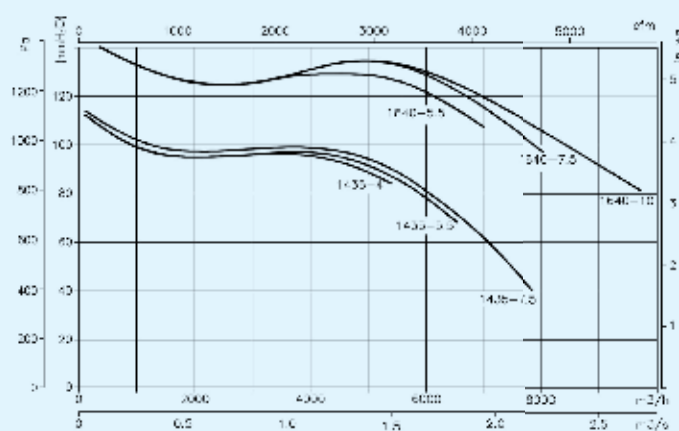


Characteristic curves

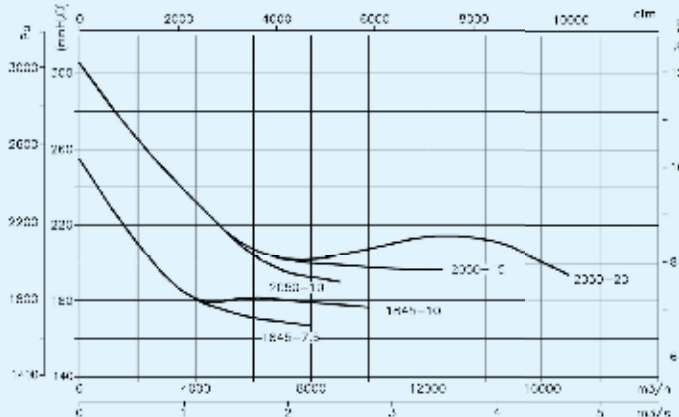
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.

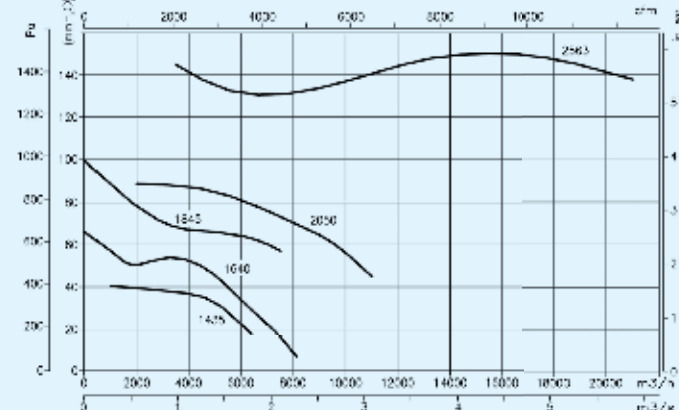
4T=1500 r/min



4T=1500 r/min



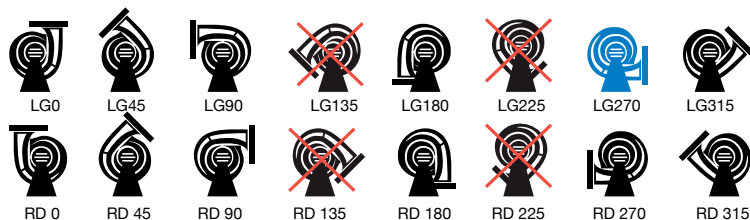
6T=1000 r/min



Positions

LG 270 standard supply

LG 180 and RD 180 positions on request and with special fixing measures.



CBI

CBI : Robust centrifugal single-inlet, medium-pressure fans fitted with an impeller with backward-facing blades

Fan:

- Steel sheet casing
- Impeller with backward-curved blades made from robust sheet steel

Motor:

- Motors with IE-2 efficiency, except for motors with lower powers than 0.75 kW and single-phase motors.
- Class F motors, with bearings, IP55 protection.
- Three-phase 230/400V.50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20°C.+ 120°C

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

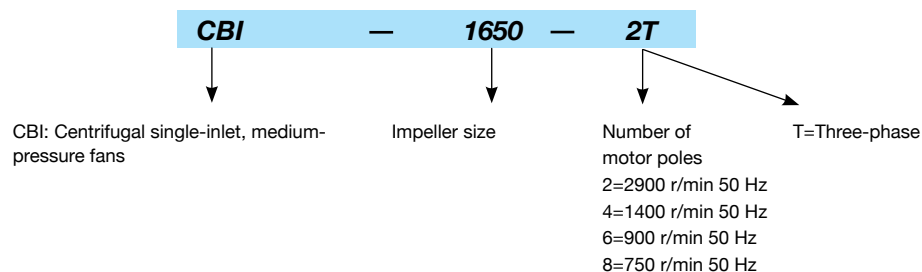
On request:

- Special windings for different voltages
- Fan designed to transport air up to 250°C
- Stainless steel fans
- ATEX Certification, category 2 (see CBI/ATEX series)



High-performance and robust backward-curved impeller.

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CBI-622-2T	2710	1.29	0.75		0.25	1040	74	11.6
CBI-625-2T	2710	1.92	1.11		0.37	1280	75	13.7
CBI-728-2T	2760	2.57	1.49		0.55	1800	76	17.6
CBI-731-2T	2770	2.78	1.60		0.75	2350	77	22.8
CBI-1031-2T	2770	5.44	3.13		1.50	5160	80	44.3
CBI-1135-2T	2885	7.77	4.47		2.20	7800	83	54.9
CBI-1240-2T	2870	13.60	7.82		4.00	11100	86	93.5
CBI-1240-4T	1410	3.10	1.79		0.75	5800	71	70.5
CBI-1445-2T	2870		14.50	8.41	7.50	16500	87	126.0
CBI-1445-4T	1400	4.03	2.32		1.10	8030	72	92.5
CBI-1650-2T	2940		20.30	11.70	11.00	18850	89	178.0
CBI-1650-4T	1430	5.96	3.44		1.50	10500	74	114.0
CBI-1650-6T	945	3.90	2.20		0.75	7410	64	114.0
CBI-1856-4T	1445	10.96	6.33		3.00	15150	79	152.0
CBI-1856-6T	945	4.88	2.82		1.10	10050	70	146.5
CBI-2063-4T	1440		11.60	6.72	5.50	24450	80	226.0
CBI-2063-6T	955	6.42	3.71		1.50	16100	71	208.5

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CBI-2063-8T	705	5.63	3.25		1.10	11600	65	210.5
CBI-2271-4T	1460		20.20	11.60	11.00	34610	85	315.0
CBI-2271-6T	960	12.70	7.30		3.00	22750	76	293.5
CBI-2271-8T	705	7.10	4.10		1.50	17360	69	275.5
CBI-2380-4T	1465		42.00	24.00	22.00	48000	83	416.0
CBI-2380-6T	970		19.20	11.10	7.50	30000	75	363.0
CBI-2380-8T	705	12.82	7.40		3.00	22000	66	317.0
CBI-2590-4T	1470		69.20	40.10	37.00	54000	86	418.0
CBI-2590-6T	970		23.20	13.40	11.00	34000	76	378.0
CBI-28100-4T	1475		99.00	57.00	55.00	75000	87	553.0
CBI-28100-6T	970		35.00	20.00	18.50	48000	77	521.0

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH ₂ O)	(RPM)
CBI-622-2T	A	S	NO	1.01	45.8%	63.8	0.193	550	59.13	2854
CBI-625-2T	A	S	NO	1.01	49.0%	63.7	0.395	791	89.77	2774
CBI-728-2T	A	S	NO	1.01	51.7%	64.4	0.620	997	117.96	2789
CBI-731-2T	A	S	NO	1.01	59.6%	70.8	0.873	1320	144.66	2791
CBI-1031-2T	A	S	NO	1.01	54.5%	64.0	1.250	2553	98.00	2845
CBI-1135-2T	A	S	NO	1.01	57.8%	64.2	2.449	4249	122.18	2892
CBI-1240-2T	A	S	NO	1.02	67.6%	71.1	4.622	6744	169.95	2871
CBI-1240-4T	A	S	NO	1.00	50.6%	63.8	0.550	2924	34.89	1448
CBI-1445-2T	A	S	NO	1.02	63.4%	64.5	7.943	8951	206.50	2879
CBI-1445-4T	A	S	NO	1.01	55.3%	66.0	0.966	3883	50.49	1428
CBI-1650-2T	B	T	NO	1.02	67.6%	67.5	12.047	12602	237.31	2941
CBI-1650-4T	A	S	NO	1.01	58.3%	66.8	1.532	5378	60.90	1441
CBI-1650-6T	A	S	NO	1.00	47.6%	60.7	0.566	4109	24.02	969
CBI-1856-4T	A	S	NO	1.01	58.8%	64.2	3.028	8342	78.29	1453
CBI-1856-6T	A	S	NO	1.00	50.4%	60.8	1.013	5632	33.24	960
CBI-2063-4T	B	T	NO	1.01	76.4%	78.7	6.032	13932	121.38	1442
CBI-2063-6T	A	S	NO	1.00	61.2%	69.0	1.790	9620	41.77	957
CBI-2063-8T	A	S	NO	1.00	52.4%	63.9	0.797	6180	24.77	726
CBI-2271-4T	B	T	NO	1.01	75.4%	75.3	12.117	22380	149.81	1460
CBI-2271-6T	B	T	NO	1.01	65.9%	70.6	3.546	15016	57.11	960
CBI-2271-8T	A	S	NO	1.00	55.5%	64.1	1.532	10253	30.43	715
CBI-2380-4T	B	T	NO	1.02	76.8%	76.1	19.785	29151	191.37	1472
CBI-2380-6T	B	T	NO	1.01	70.5%	72.4	6.573	19494	87.23	977
CBI-2380-8T	B	T	NO	1.01	68.1%	73.3	3.202	15151	52.84	713
CBI-2590-4T	B	T	NO	1.02	71.4%	70.1	34.213	38387	233.45	1474
CBI-2590-6T	B	T	NO	1.01	75.5%	75.7	9.611	25620	104.01	977
CBI-28100-4T	B	T	NO	1.03	76.5%	74.8	52.637	52061	283.94	1478
CBI-28100-6T	B	T	NO	1.01	75.1%	74.6	16.702	36707	125.40	976

Acoustic features

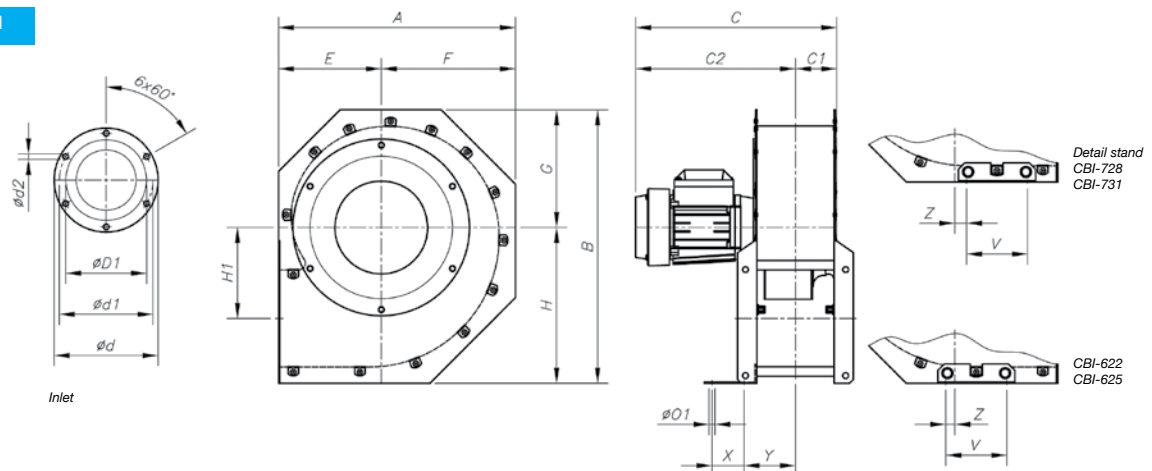
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the turbine's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
CBI-622-2T	59	72	72	85	80	80	80	73	CBI-1856-6	61	69	81	83	80	81	71	60
CBI-625-2T	60	73	73	86	81	81	81	74	CBI-2063-4	80	85	91	93	91	88	81	73
CBI-728-2T	61	74	74	87	82	82	82	75	CBI-2063-6	69	70	82	82	81	83	73	63
CBI-731-2T	62	75	75	88	83	83	83	76	CBI-2063-8	64	70	77	76	77	74	66	57
CBI-1031-2	65	78	78	91	86	86	86	79	CBI-2271-4	83	84	93	96	98	99	95	82
CBI-1135-2	72	79	77	89	87	93	92	79	CBI-2271-6	73	73	87	86	90	90	79	68
CBI-1240-2	68	83	81	93	90	94	96	83	CBI-2271-8	68	73	78	85	81	80	70	59
CBI-1240-4	56	70	76	79	79	80	70	59	CBI-2380-4	76	78	94	91	96	97	93	82
CBI-1445-2	73	85	83	95	93	97	99	89	CBI-2380-6	68	70	86	83	88	89	85	74
CBI-1445-4	59	72	78	83	80	83	78	64	CBI-2380-8	59	61	77	74	79	80	76	65
CBI-1650-2	73	81	85	99	97	99	99	88	CBI-2590-4	79	84	97	100	96	89	84	66
CBI-1650-4	64	74	82	84	83	85	76	66	CBI-2590-6	70	79	89	88	85	84	74	68
CBI-1650-6	53	65	72	77	73	69	62	54	CBI-28100-4	82	89	101	102	97	93	87	78
CBI-1856-4	69	78	91	87	90	91	85	71	CBI-28100-6	73	82	91	90	88	86	77	70

Dimensions in mm

CBI-622...731

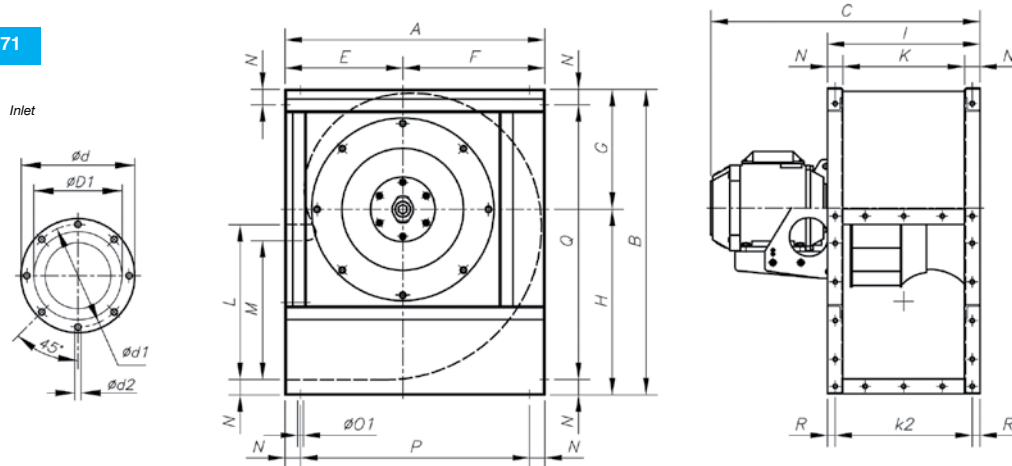


Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	F	G	H	H1	øO1	V	X	Y	Z
CBI-622-2T	364	415.5	338.5	64	274.5	162	284	256	9.5	160	204	178	237.5	141.5	9	95	50	80	14
CBI-625-2T	407	457	343.5	66.5	277	160	315	282	9.5	183	224	195.5	261.5	155	9	95	50	82.5	6
CBI-728-2T	453.5	506.5	357.5	72.5	285	192	354	320	9.5	205	248.5	216	290.5	176	9	95	50	88.2	6.5
CBI-731-2T	507	564	374	70	304	192	382	354	9.5	230	277	240.5	323.5	197.5	9	95	50	85.2	20.5

* Recommended nominal diameter for duct.

Dimensions in mm

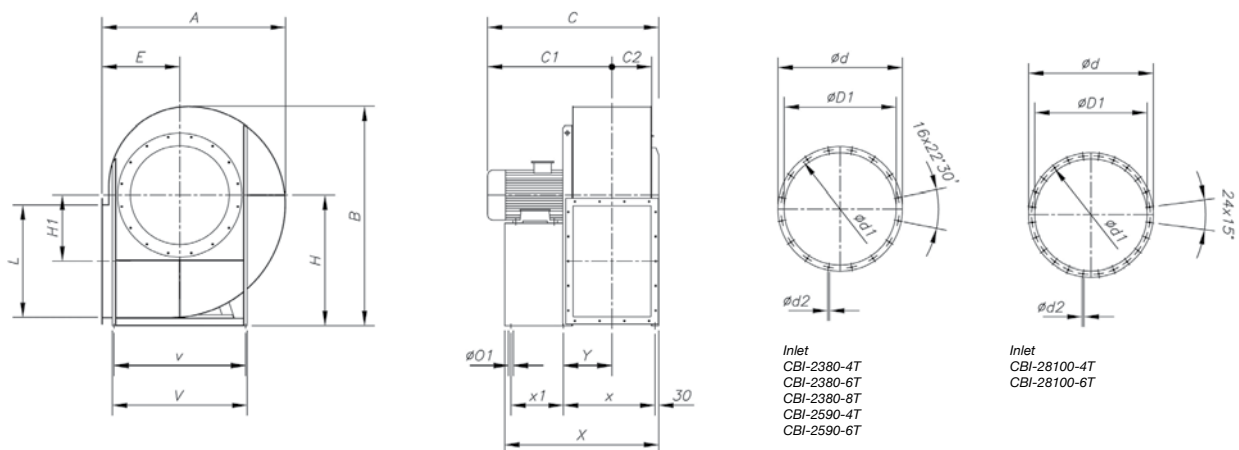
CBI-1031...2271



Model	A	B	C	øD1*	ød	ød1	ød2	E	F	G	H	I	K	k2	L	M	N	øO1	P	Q	R
CBI-1031-2T	542	626	567	315	383	356	M8	250	292	245	381	320	250	285	315	276	35	11	472	556	17,5
CBI-1135-2T	600	696	583	355	425	398	M8	275	325	273	423	350	280	315	355	310	35	11	530	626	17,5
CBI-1240-2T	673	790	728	400	472	444	M10	305	368	310	480	395	315	355	400	358	40	11	593	710	20
CBI-1240-4T	673	790	590	400	472	444	M10	305	368	310	480	395	315	355	400	358	40	11	593	710	20
CBI-1445-2T	765	880	810	450	522	494	M10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CBI-1445-4T	765	880	649	450	522	494	M10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CBI-1650-2T	832	970	961	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CBI-1650-4T	832	970	715	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CBI-1650-6T	832	970	695	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CBI-1856-4T	925	1084	832	560	645	615	M10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CBI-1856-6T	925	1084	771	560	645	615	M10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CBI-2063-4T	1037	1218	973	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CBI-2063-6T	1037	1218	893	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CBI-2063-8T	1037	1218	893	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CBI-2271-4T	1173	1375	1126	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32,5
CBI-2271-6T	1173	1375	1039	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32,5
CBI-2271-8T	1173	1375	1002	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32,5

* Recommended nominal diameter for duct.

CBI-2380...28100



Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	H	H1	L	øO1	V	v	X	x	x1	Y
CBI-2380-4T	1350	1660	1245	899	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CBI-2380-6T	1350	1660	1030	744	286	808	906	861	11.5	56	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CBI-2380-8T	1350	1660	1035	681	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CBI-2590-4T	1495	1785	1390	1012	321	908	1008	958	14	630	1060	535	900	19	1030	970	1246	425	751	393
CBI-2590-6T	1495	1785	1235	857	321	908	1008	958	14	630	1060	535	900	19	1030	970	1121	340	721	373
CBI-28100-4T	1680	1990	1470	1051	362	1008	1108	1067	14	710	1180	610	1000	19	1130	1060	1378	460	843	454
CBI-28100-6T	1680	1990	1395	976	362	1008	1108	1067	14	710	1180	610	1000	19	1130	1060	1278	385	823	434

* Recommended nominal diameter for duct.

Dimensions in mm

Outlet

CBI-1031
CBI-1135
CBI-2590
CBI-28100

CBI-622
CBI-625
CBI-728
CBI-731

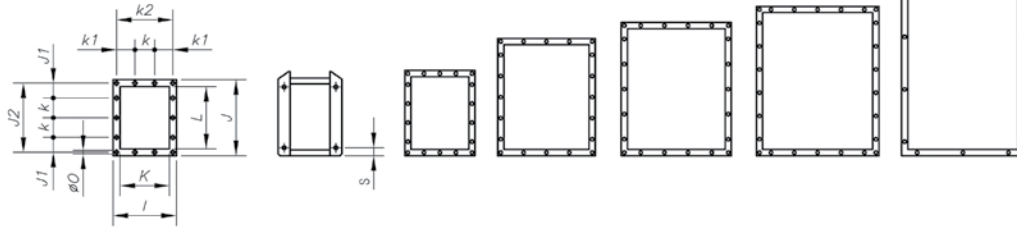
CBI-1240
CBI-1445
CBI-1650

CBI-1856

CBI-2063

CBI-2271

CBI-2380

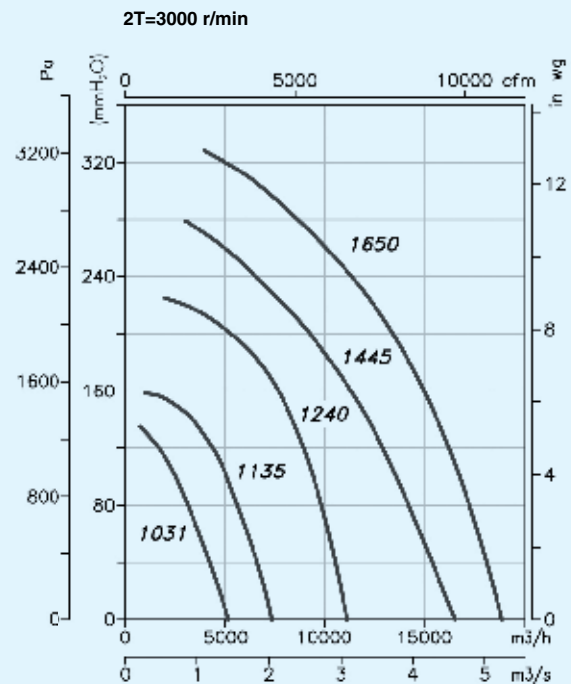
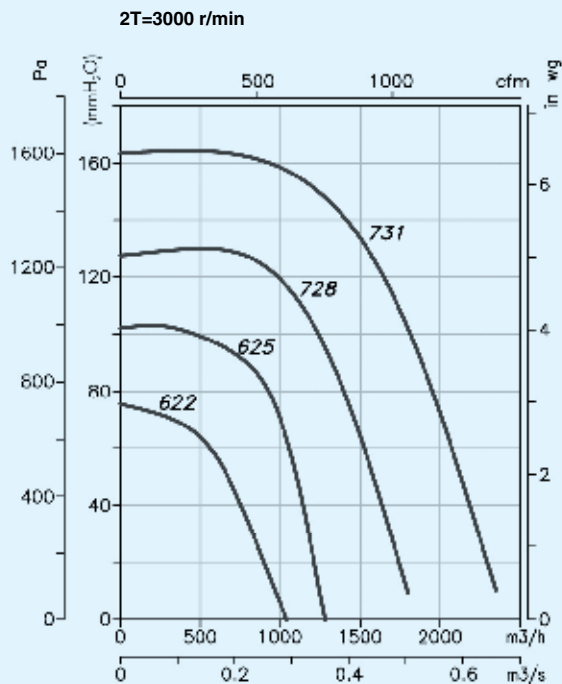


Model	I	J	J1	J2	K	k	k1	k2	L	øO	S
CBI-622	180	191.5	-	165	120	-	-	156	150	9	12
CBI-625	185	207.5	-	181.5	125	-	-	161	167.5	9	12
CBI-728	196.5	234.5	-	202	136.5	-	-	172.5	187.5	9	12
CBI-731	190.5	250.5	-	227.5	130.5	-	-	166.5	211	9	12
CBI-1031	320	385	75	350	250	100	92.5	285	315	11	-
CBI-1135	350	425	95	390	280	100	107.5	315	355	11	-
CBI-1240	395	480	70	440	315	100	77.5	355	400	11	-
CBI-1445	445	540	99	498	355	100	102.5	405	450	11	-
CBI-1650	490	590	87.5	550	400	125	100	450	500	13	-
CBI-1856	550	660	55	610	450	125	125	500	560	13	-
CBI-2063	620	750	95	690	500	125	92.5	560	630	13	-
CBI-2271	690	840	75	775	560	125	62.5	625	710	13	-
CBI-2380	680	920	160	871	560	200	140	639	800	14	-
CBI-2590	750	1020	84	968	630	200	54	708	900	14	-
CBI-28100	830	1120	138.5	1077	710	200	92.5	785	1000	14	-

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

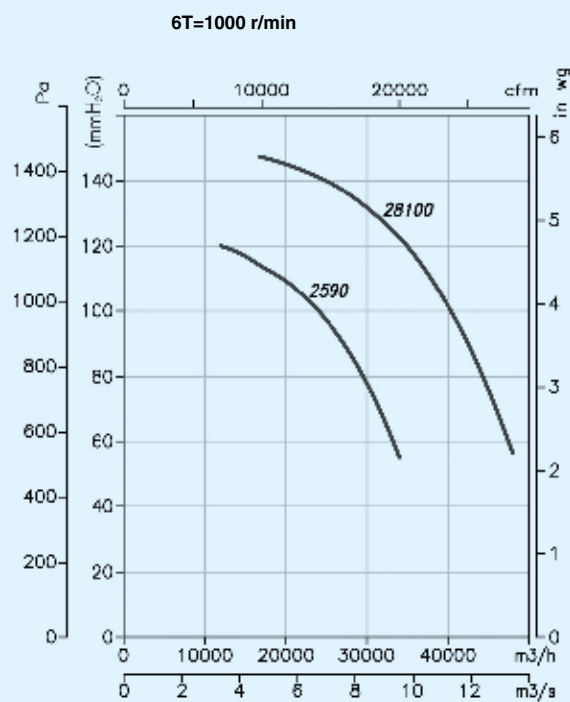
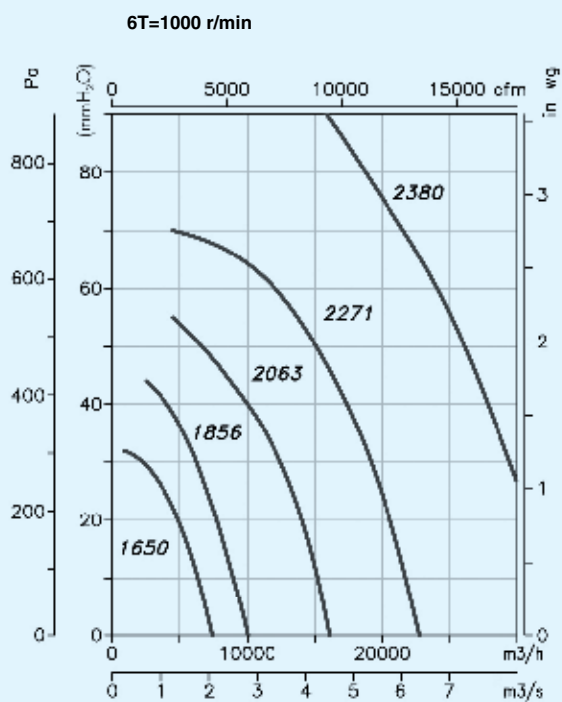
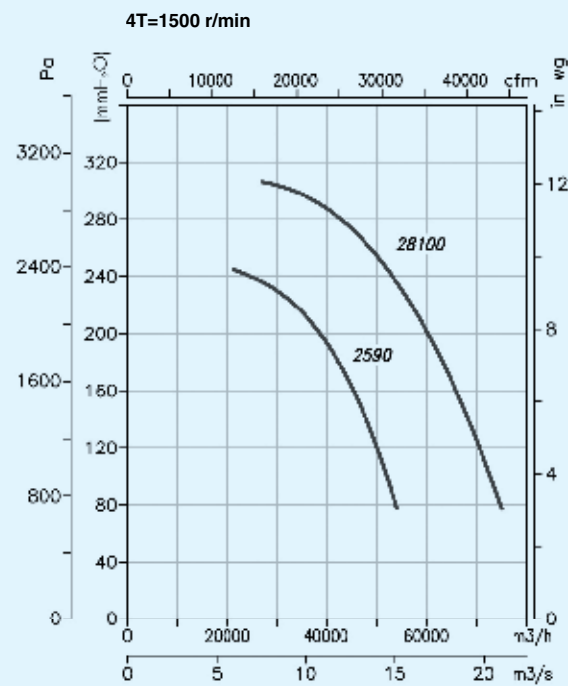
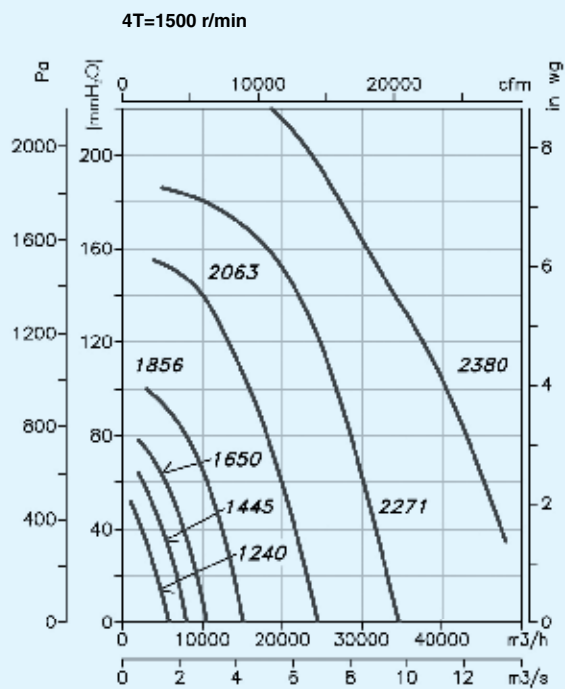
Pe = Static pressure in mm.w.c., Pa and inwg.



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

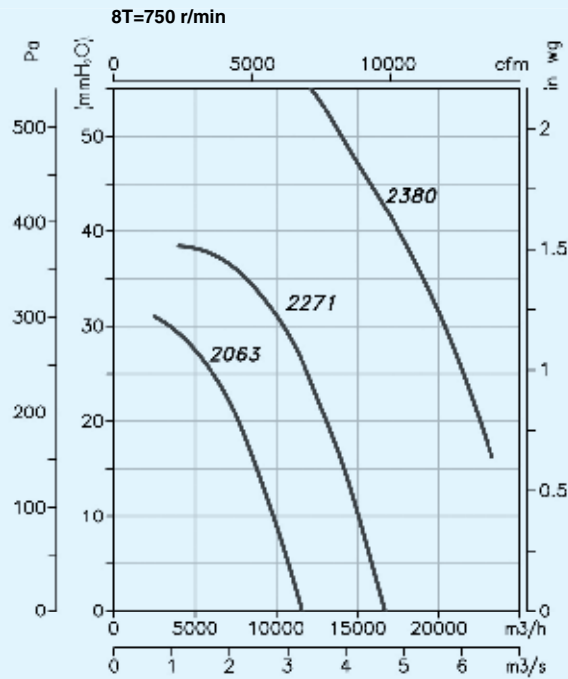
Pe = Static pressure in mm.w.c., Pa and inwg.



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.



Positions

LG 270 standard supply

Models 2380, 2590 and 28100 fixed positions LG 270 (other positions on request only)



CBI/A



High-performance
and robust
backward-curved
impeller

CBI/A: Centrifugal single-inlet medium-pressure fans fitted with a backward-curved impeller that includes a self-cleaning system, especially designed for painting booths

Fan:

- Steel sheet casing
- Impeller with backward-curved blades made from sheet steel
- Inspection hatch

Motor:

- Motors with IE-2 efficiency, except for motors with lower powers than 0.75 kW and single-phase motors.
- Class F motors, with bearings, IP55 protection.
- Three-phase 230/400V.-50Hz. (up to 5.5CV)
- Max. air temperature to transport: -20°C.+ 120°C

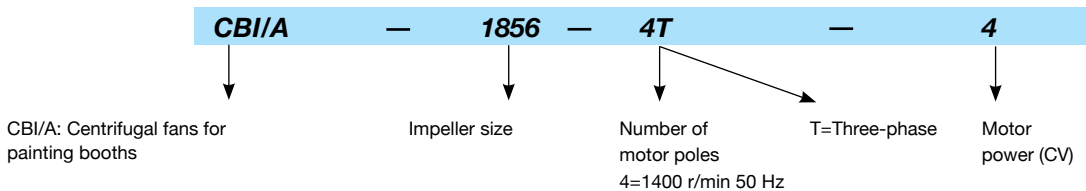
Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Special windings for different voltages.
- ATEX certification, Category 2

Order code



Technical characteristics

Model		Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight CBI/A (Kg)
			230V	400V				
CBI/A	1445-4T	1400	4.03	2.32	1.10	8200	73	62
CBI/A	1650-4T-2	1430	5.96	3.44	1.50	11050	76	79
CBI/A	1650-4T-3	1445	8.36	4.83	2.20	13500	78	92
CBI/A	1556-4T	1445	10.96	6.33	3.00	14000	80	122
CBI/A	1856-4T-4	1445	10.96	6.33	3.00	16100	80	122
CBI/A	1856-4T-5.5	1440	14.10	8.12	4.00	17200	82	128

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
CBI/A-1445-4T	A	S	NO	1.01	56.7%	66.9	1.072	4027	55.40	1420
CBI/A-1650-4T-2	A	S	NO	1.01	62.6%	70.5	1.784	6705	61.16	1431
CBI/A-1650-4T-3	A	S	NO	1.01	61.2%	67.9	2.271	7825	65.16	1452
CBI/A-1556-4T	A	S	NO	1.01	58.1%	64.2	2.618	8099	68.88	1459
CBI/A-1856-4T-4	A	S	NO	1.01	59.1%	64.2	3.221	9555	73.07	1450
CBI/A-1856-4T-5.5	A	S	NO	1.01	59.7%	64.3	3.695	9478	85.47	1452

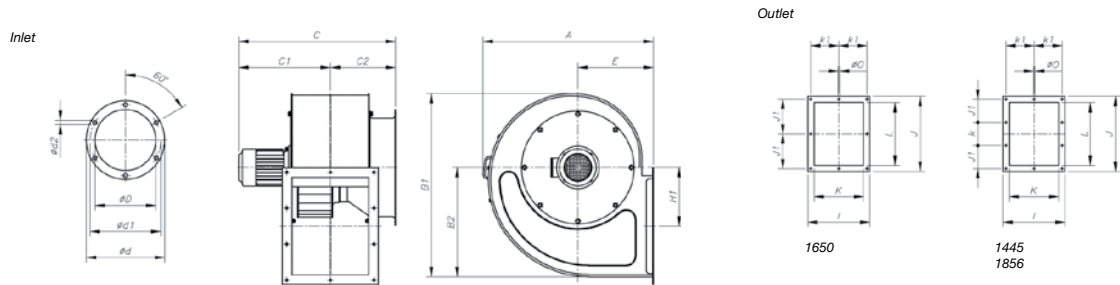
Acoustic features

Sound power $L_w(A)$ spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
CBI/A-1445	60	73	79	84	81	84	79	65	CBI/A-1556	68	77	90	86	89	90	84	70
CBI/A-1650	66	76	84	86	85	87	78	68	CBI/A-1856	70	79	92	88	91	92	86	72

Dimensions in mm

CBI/A

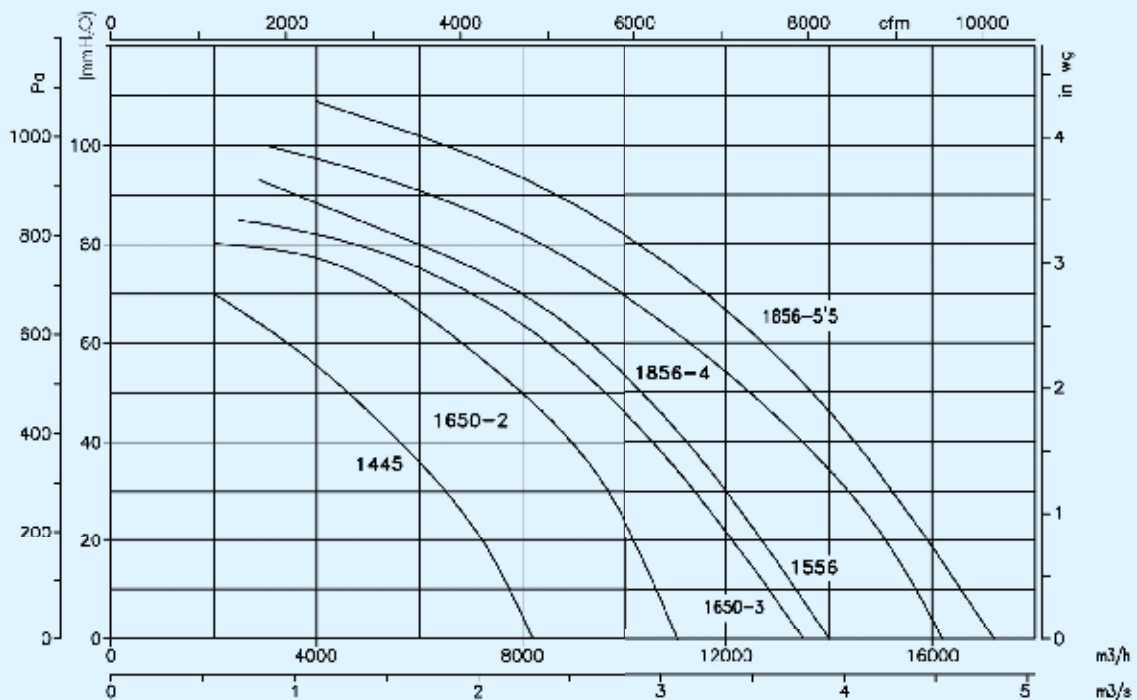


Model	A	B1	B2	C	C1	C2	øD	ød	ød1	ød2	E	H1	I	J	J1	K	k	k1	L	øO
CBI/A-1445-4T	765	847	505	765	463	302	460	534	500	12	350	271	445	538	166	355	166	202.5	450	11
CBI/A-1650-4T	831	932	555	855	490	365	512	590	565	12	375	297	490	590	275	400	-	225	500	13
CBI/A-1556-4T	923	1041	617	890	542	348	560	634	610	348	415	328	550	660	203	450	203	250	560	13
CBI/A-1856-4T	923	1041	617	890	542	348	560	634	610	348	415	328	550	660	203	450	203	250	560	13

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.



Positions

LG 270 standard supply



LG270



RD 270

CHP

CHP: Centrifugal single-inlet, high-pressure fans with casing and sheet steel impeller



Fan:

- Steel sheet casing
- Impeller with backward-facing blades made from galvanised sheet steel, except models 242-248-254-260-640-645-650 which have a cast aluminium impeller.

Motor:

- Motors with IE-2 efficiency, except for motors with lower powers than 0.75 kW and single-phase motors.
- Class F motors, with bearings, IP55 protection.
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20°C.+ 120°C

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

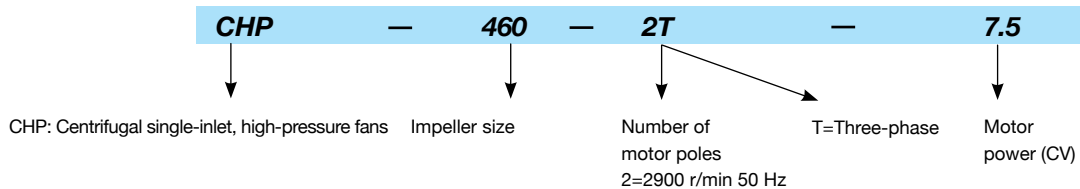
On request:

- Special windings for different voltages
- Fan designed to transport air up to 250°C
- Stainless steel fans
- ATEX certification, Category 2



Robust motor bedplate

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CHP-242-2T-0.33	2710	1.29	0.75		0.25	450	73	30.0
CHP-242-2T-0.5	2710	1.92	1.11		0.37	650	73	31.0
CHP-248-2T-0.75	2760	2.57	1.49		0.55	420	74	43.5
CHP-248-2T-1	2770	2.78	1.60		0.75	500	75	45.0
CHP-248-2T-1.5	2860	4.20	2.40		1.10	990	76	46.5
CHP-254-2T-1.5	2860	4.20	2.40		1.10	600	76	56.5
CHP-254-2T-2	2770	5.44	3.13		1.50	800	78	61.5
CHP-254-2T-3	2885	7.77	4.47		2.20	1300	80	63.0
CHP-260-2T-2	2770	5.44	3.13		1.50	500	77	75.0
CHP-260-2T-3	2885	7.77	4.47		2.20	900	79	78.0
CHP-463-2T-5.5	2870	13.60	7.82		4.00	1150	82	88.5
CHP-463-2T-7.5	2880		10.50	6.09	5.50	2000	83	95.5
CHP-467-2T-7.5	2880		10.50	6.09	5.50	1550	84	117.5
CHP-467-2T-10	2870		14.50	8.41	7.50	2600	85	122.5
CHP-571-2T-10	2870		14.50	8.41	7.50	2000	86	144.0
CHP-571-2T-15	2940		20.30	11.70	11.00	3450	87	175.0
CHP-640-2T-2	2770	5.44	3.13		1.50	2600	77	51.5

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CHP-645-2T-3	2885	7.77	4.47		2.20	2000	76	62.5
CHP-645-2T-4	2900	10.18	5.88		3.00	3000	81	69.5
CHP-650-2T-5.5	2870	13.60	7.82		4.00	3500	81	89.0
CHP-650-2T-7.5	2880		10.50	6.09	5.50	4750	83	96.0
CHP-852-2T-7.5	2880		10.50	6.09	5.50	3500	81	96.0
CHP-852-2T-10	2870		14.50	8.41	7.50	5500	85	101.0
CHP-856-2T-15	2940		20.30	11.70	11.00	7500	85	157.5
CHP-863-2T-15	2940		20.30	11.70	11.00	4000	84	168.0
CHP-863-2T-20	2935		27.40	15.90	15.00	7000	86	179.0
CHP-971-2T-25	2930		32.40	18.70	18.50	5800	87	299.0
CHP-971-2T-30	2935		38.00	22.00	22.00	8100	88	324.0
CHP-971-2T-40	2940		50.00	29.00	30.00	12000	89	380.0
CHP-1250-2T-15/A	2940		20.30	11.70	11.00	12000	84	220.0
CHP-1456-2T-25/A	2930		32.40	18.70	18.50	18000	87	286.0
CHP-1663-2T-50/A	2940		64.00	37.00	37.00	25000	92	425.0
CHP-1671-2T-60/A	2940		76.00	44.00	45.00	27000	93	575.0
CHP-2071-2T-100/A	2970		123.00	71.00	75.00	33600	95	750.0
CHP-2080-2T-125/A	2970		151.00	87.00	90.00	42600	96	820.0
CHP-790-2T-20	2935		27.40	15.90	15.00	2100	88	245.0
CHP-980-2T-30	2935		38.00	22.00	22.00	4800	87	340.0
CHP-990-2T-50	2940		64.00	37.00	37.00	6000	90	485.0
CHP-1080-2T-40	2940		50.00	29.00	30.00	5400	88	420.0
CHP-1090-2T-60	2940		76.00	44.00	45.00	6000	91	530.0

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH ₂ O)	(RPM)
CHP-242-2T-0.33	A	S	NO	1.02	45.9%	60.6	0.397	329	203.07	2701
CHP-242-2T-0.5	A	S	NO	1.02	46.9%	60.6	0.491	405	208.83	2756
CHP-248-2T-0.75	A	S	NO	1.03	49.2%	60.7	0.792	420	340.18	2755
CHP-248-2T-1	A	S	NO	1.03	49.8%	60.8	0.909	500	332.69	2782
CHP-248-2T-1.5	A	S	NO	1.03	50.2%	60.8	0.984	552	328.65	2900
CHP-254-2T-1.5	A	S	NO	1.05	52.0%	60.9	1.415	600	449.70	2857
CHP-254-2T-2	A	S	NO	1.05	52.4%	60.9	1.554	661	452.38	2807
CHP-254-2T-3	A	S	NO	1.05	52.7%	60.9	1.651	697	458.47	2928
CHP-260-2T-3	A	S	NO	1.05	54.1%	61.0	2.217	840	524.01	2903
CHP-463-2T-5.5	B	T	NO	1.07	58.6%	63.0	3.886	1150	727.30	2891
CHP-463-2T-7.5	A	S	NO	1.07	55.8%	59.9	4.123	1264	668.42	2922
CHP-467-2T-7.5	B	T	NO	1.08	60.5%	63.0	5.745	1550	822.66	2891
CHP-467-2T-10	B	T	NO	1.08	65.3%	67.6	6.031	1754	823.51	2908
CHP-571-2T-10	B	T	NO	1.09	65.3%	67.6	6.108	1528	958.25	2907
CHP-571-2T-15	B	T	NO	1.09	66.6%	67.6	7.984	2170	899.33	2961
CHP-640-2T-2	A	S	NO	1.02	56.0%	64.1	1.687	1778	194.98	2790
CHP-645-2T-3	A	S	NO	1.03	57.9%	64.2	2.523	1912	280.40	2889
CHP-645-2T-4	A	S	NO	1.03	58.2%	64.2	2.693	1930	298.19	2924
CHP-650-2T-5.5	A	S	NO	1.04	64.7%	68.6	4.295	2671	382.02	2880
CHP-650-2T-7.5	A	S	NO	1.04	61.2%	64.4	5.048	2858	396.90	2904
CHP-852-2T-7.5	A	S	NO	1.05	68.5%	70.6	6.327	3385	470.23	2880
CHP-852-2T-10	B	T	NO	1.05	73.1%	74.7	7.059	3744	505.55	2892
CHP-856-2T-15	A	S	NO	1.05	63.7%	64.5	8.389	3851	509.05	2959
CHP-863-2T-15	A	S	NO	1.06	64.4%	64.3	10.994	3998	649.61	2946
CHP-863-2T-20	B	T	NO	1.06	67.8%	67.5	13.550	5097	661.14	2947
CHP-971-2T-25	B	T	NO	1.08	68.2%	67.5	19.807	5800	854.90	2932
CHP-971-2T-30	B	T	NO	1.08	69.8%	69.0	23.300	7478	798.43	2937
CHP-971-2T-40	B	T	NO	1.08	68.6%	67.6	28.291	9171	776.93	2947
CHP-1250-2T-15/A	B	T	NO	1.03	67.5%	67.5	11.082	9279	296.04	2946
CHP-1456-2T-25/A	A	S	NO	1.04	65.6%	65.1	16.580	9659	412.97	2943



Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	η_e [%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
CHP-1663-2T-50/A	B	T	NO	1.04	76.2%	74.7	40.626	25000	454.45	2939
CHP-1671-2T-60/A	B	T	NO	1.06	74.0%	72.4	48.464	22079	596.34	2939
CHP-2071-2T-100/A	B	T	NO	1.07	69.7%	67.6	73.750	27387	689.20	2972
CHP-2080-2T-125/A	B	T	NO	1.08	73.1%	70.6	95.509	32340	791.73	2970
CHP-790-2T-20	-	-	-	1.13	-	-	12.213	2100	1347.57	2952
CHP-980-2T-30	B	T	NO	1.10	68.2%	67.5	20.183	4750	1064.07	2945
CHP-990-2T-50	-	-	-	1.15	-	-	35.007	5882	1504.38	2947
CHP-1080-2T-40	-	-	-	1.12	-	-	27.256	5400	1270.44	2949
CHP-1090-2T-60	-	-	-	1.17	-	-	41.385	6000	1748.36	2948

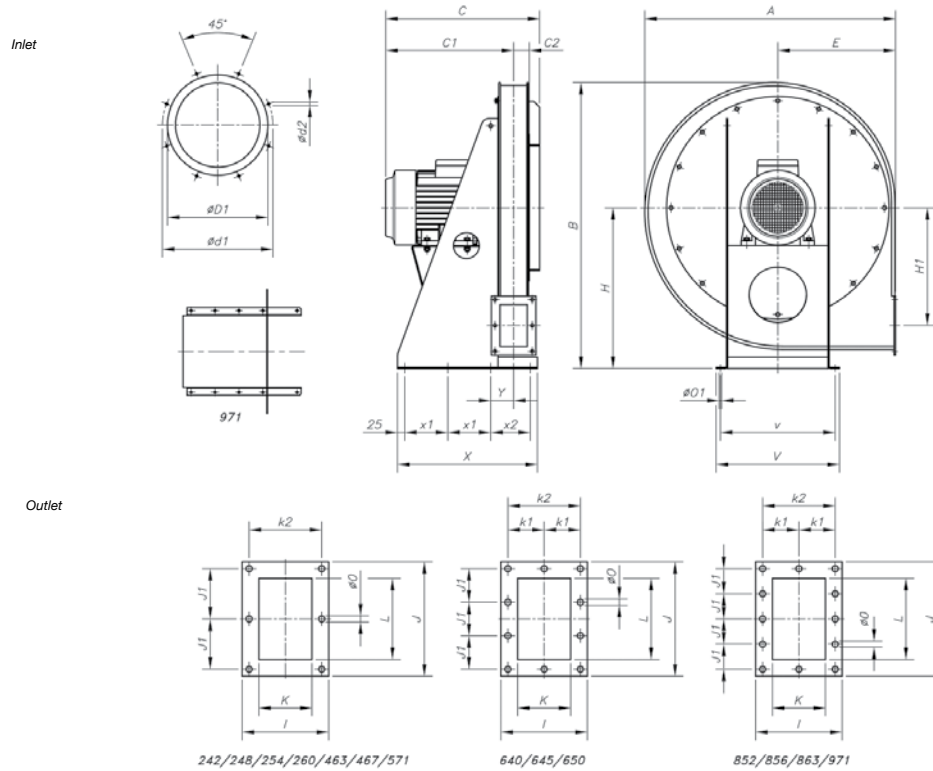
Acoustic features

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
CHP -242	50	61	67	76	83	82	79	72	CHP - 852-7,5	68	72	82	88	92	92	89	84
CHP -248-0,75	51	62	68	77	84	83	80	73	CHP - 852-10	68	76	86	93	96	96	92	84
CHP -248-1	52	63	69	78	85	84	81	74	CHP - 856	63	76	90	96	96	94	90	84
CHP -248-1,5	53	64	70	79	86	85	82	75	CHP - 863-15	67	81	87	96	96	95	92	87
CHP -254-1,5	55	66	71	81	88	87	84	77	CHP - 863-20	69	81	92	99	98	95	93	87
CHP -254-2	57	68	73	83	90	89	86	79	CHP - 971-25	67	81	90	102	98	96	93	89
CHP -254-3	56	68	76	85	90	92	89	82	CHP - 971-30	68	82	91	103	99	97	94	90
CHP -260-2	53	69	69	83	88	88	85	78	CHP - 971-40	68	83	97	102	102	99	95	88
CHP -260-3	55	71	71	85	90	90	87	80	CHP - 1250	75	88	97	94	91	86	82	73
CHP -463-5,5	57	69	82	91	93	93	89	80	CHP - 1456	80	93	102	99	96	90	87	78
CHP -463-7,5	58	70	83	92	94	94	90	81	CHP - 1663	65	74	80	95	108	100	97	93
CHP -467-7,5	69	74	83	95	95	97	93	85	CHP - 1671	64	73	79	94	108	100	97	93
CHP -467-10	70	75	84	96	96	98	94	86	CHP - 2071	66	75	81	96	110	102	99	95
CHP -571-10	64	76	86	96	99	99	94	86	CHP - 2080	67	76	82	97	111	103	100	96
CHP -571-15	65	77	87	97	100	100	95	87	CHP - 790	73	77	88	99	105	96	89	83
CHP -640	56	67	75	82	88	84	83	76	CHP - 980	61	70	76	91	105	97	94	90
CHP -645-3	55	66	74	81	87	83	82	75	CHP - 990	64	73	79	94	108	100	97	93
CHP -645-4	55	66	77	86	90	91	87	79	CHP - 1080	62	71	77	92	106	98	95	91
CHP -650-5,5	59	75	84	90	93	90	85	78	CHP - 1090	65	77	80	95	109	101	98	94
CHP -650-7,5	52	68	81	91	96	93	85	78									

Dimensions in mm

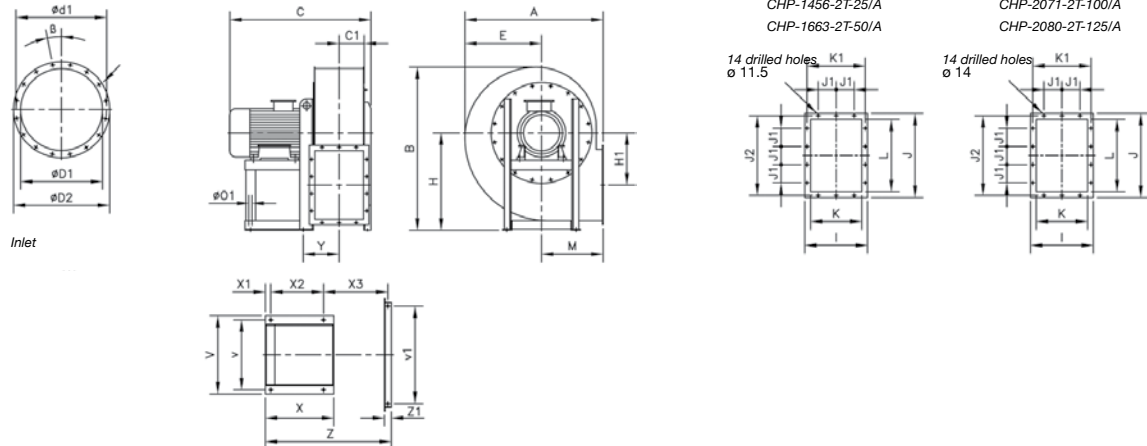
CHP-242...971



Model	A	B	C	C1	C2	*øD1	ød1	ød2	E	H	H1	I	J	J1	K	k1	k2	L	øO	øO1	V	v	X	x1	x2	Y
CHP-242-2T-0'33	576	662	282	219	33	100	130	M8	270	375	270	120	155	65	60	-	95	95	11	12	305	275	260	75	-	61
CHP-242-2T-0'5	576	662	310	247	33	100	130	M8	270	375	270	120	155	65	60	-	95	95	11	12	305	275	260	75	-	61
CHP-248-2T-0'75	639	728	315	249	36	112	140	M8	300	410	297	126	165	70	66	-	101	105	11	12	320	290	300	90	-	64
CHP-248-2T-1'1'5	639	728	340	274	36	112	140	M8	300	410	297	126	165	70	66	-	101	105	11	12	320	290	300	90	-	64
CHP-254-2T-1'5	699	788	365	294.5	40.5	125	155	M8	330	440	322	135	175	75	75	-	110	115	11	14	340	310	330	100	-	68.5
CHP-254-2T-2	699	788	413	342.5	40.5	125	155	M8	330	440	322	135	175	75	75	-	110	115	11	14	340	310	330	100	-	68.5
CHP-254-2T-3	699	788	443	372.5	40.5	125	155	M8	330	440	322	135	175	75	75	-	110	115	11	14	340	310	330	100	-	68.5
CHP-260-2T-2/3	782	875	419	343.5	47.5	150	175	M8	370	485	362	145	185	80	85	-	120	125	11	14	380	350	370	115	-	73.5
CHP-463-2T-5'5	782	875	459	383.5	45.5	200	240	M8	370	485	362	145	185	80	85	-	120	125	11	14	380	350	370	115	-	73.5
CHP-463-2T-7'5	782	875	517	441.5	45.5	200	240	M8	370	485	362	145	185	80	85	-	120	125	11	14	380	350	370	115	-	73.5
CHP-467-2T-7'5/10	833	945	530	442	48	224	258	M8	390	530	395	150	190	82.5	90	-	125	130	11	14	405	375	300	125	-	76
CHP-571-2T-10	873	995	536	445.5	50.5	250	275	M8	410	560	410	155	205	90	95	-	130	145	11	14	430	400	350	150	-	79.5
CHP-571-2T-15	873	995	671	580.5	50.5	250	275	M8	410	560	410	155	205	90	95	-	130	145	11	14	430	400	410	180	-	79.5
CHP-640-2T-2	639	728	446	350.5	65.5	250	275	M8	300	410	250	185	260	78	125	80	-	200	11	14	340	310	350	100	-	93.5
CHP-645-2T-3	699	788	461	358	73	250	275	M8	330	440	267.5	200	284	86	140	87.5	-	224	11	14	380	350	380	115	-	101
CHP-645-2T-4	699	788	491	388	73	250	275	M8	330	440	267.5	200	284	86	140	87.5	-	224	11	14	380	350	380	115	-	101
CHP-650-2T-5'5	782	875	534	421	83	250	275	M8	370	485	300	220	310	95	160	97.5	-	250	11	14	405	375	490	125	190	111
CHP-650-2T-7'5	782	875	572	459	83	250	275	M8	370	485	300	220	310	95	160	97.5	-	250	11	14	405	375	490	125	190	111
CHP-852-2T-7'5/10	833	945	603	470	94.5	280	310	M8	390	530	320	240	340	78	180	107.5	-	280	11	14	430	400	540	150	190	122
CHP-856-2T-15	833	945	708	575	93	355	395	M8	390	530	320	240	340	78	180	107.5	-	280	11	14	430	400	600	180	190	122
CHP-863-2T-15/20	873	995	728	585	103	355	410	M8	410	560	325	260	375	87.5	200	117.5	-	315	11	14	430	400	620	180	210	132
CHP-971-2T-25	1012	1170	759	598	116	400	450	M10	460	670	420	294	425	100	224	132	-	355	11	14	550	510	715	150	215	145
CHP-971-2T-30	1012	1170	881	720	116	400	450	M10	460	670	420	294	425	100	224	132	-	355	11	14	550	510	715	150	215	145
CHP-971-2T-40	1012	1170	948	787	116	400	450	M10	460	670	420	294	425	100	224	132	-	355	11	14	550	510	715	150	215	145

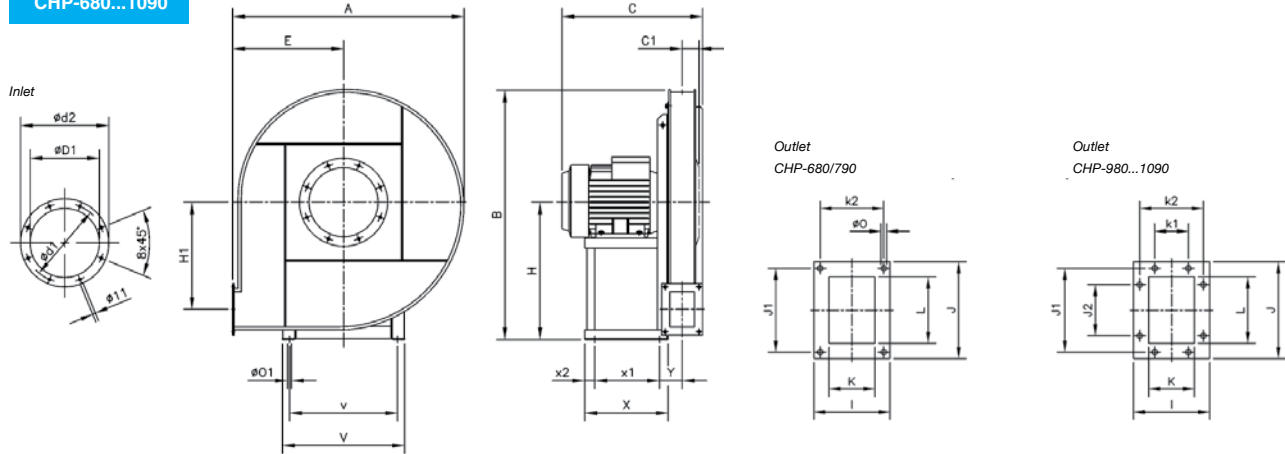
Dimensions in mm

CHP-1250...2080



Model	A	B	C	C1	øD1	øD2	ød1	x ø	β	E	H	H1	I	J	J1	J2	K	K1	L	MoO1	V	v	v1	X	X1	X2	X3	Y	Z	Z1	
CHP-1250-2T-15/A	865	1055	885	160	361	441	405	8x11.5	22°30'	510	630	365	360	480	125	448	280	332	400	355	14	440	400	-	425	30	340	-	202	-	-
CHP-1456-2T-25/A	970	1185	900	163	456	535	497	12x12	15°	555	710	410	395	530	125	497	315	366	450	400	14	440	400	-	425	30	340	-	219	-	-
CHP-1663-2T-50/A	1010	1280	1035	183	568	668	629	16x11.5	11°15'	560	800	380	435	580	125	551	355	405	500	450	16	570	510	-	500	40	385	-	263	-	-
CHP-1671-2T-60/A	1130	1340	1160	206	638	738	698	16x13	11°15'	630	800	430	500	660	160	629	400	464	560	500	19	626	565	800	550	40	425	530	292	1025	60
CHP-2071-2T-100/A	1130	1340	1290	206	638	738	698	16x13	11°15'	630	800	430	500	660	160	629	400	464	560	500	21	760	680	800	700	50	550	545	307	1125	60
CHP-2080-2T-125/A	1270	1505	1345	231	718	818	775	16x13	11°15'	710	900	486	550	730	160	698	450	513	630	560	24	760	680	900	700	50	550	595	333	1225	60

CHP-680...1090



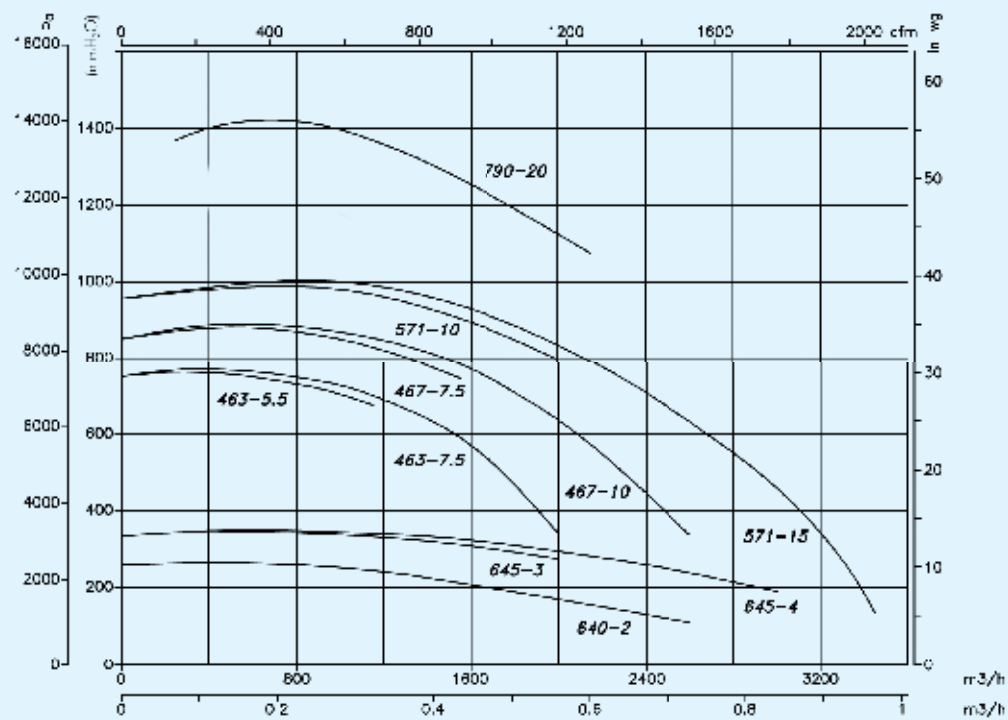
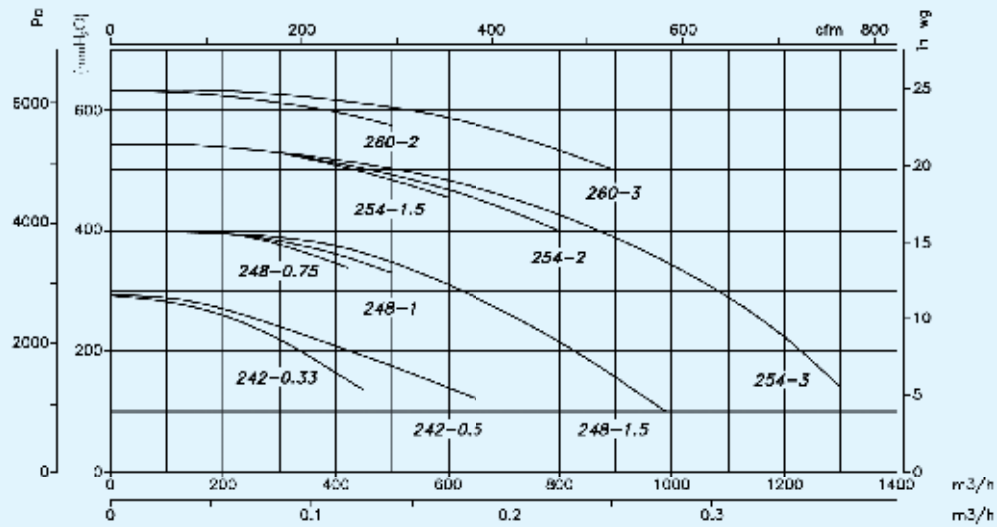
Model	A	B	C	C1	ØD1	Ød1	Ød2	E	H	H1	I	J	J1	J2	K	k1	k2	L	ØO	ØO1	V	v	X	x1	x2	Y
CHP-790-2T-20	1100	1180	650	58	185	219	255	530	630	520	140	172	140	-	80	-	112	112	9	14	440	400	425	340	30	103
CHP-980-2T-30	1120	1250	725	90	255	292	325	530	710	530	210	270	241	112	140	112	182	200	11.5	14	440	400	425	340	35	145
CHP-990-2T-50	1250	1400	900	100	286	332	366	600	800	600	230	294	265	112	160	112	200	224	11.5	16	570	510	500	385	40	165
CHP-1080-2T-40	1120	1250	850	90	255	392	325	530	710	530	210	270	241	112	140	112	182	200	11.5	16	570	510	500	385	40	155
CHP-1090-2T-60	1250	1400	930	100	286	332	366	600	800	600	230	294	265	112	160	112	200	224	11.5	16	626	565	550	425	40	175



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

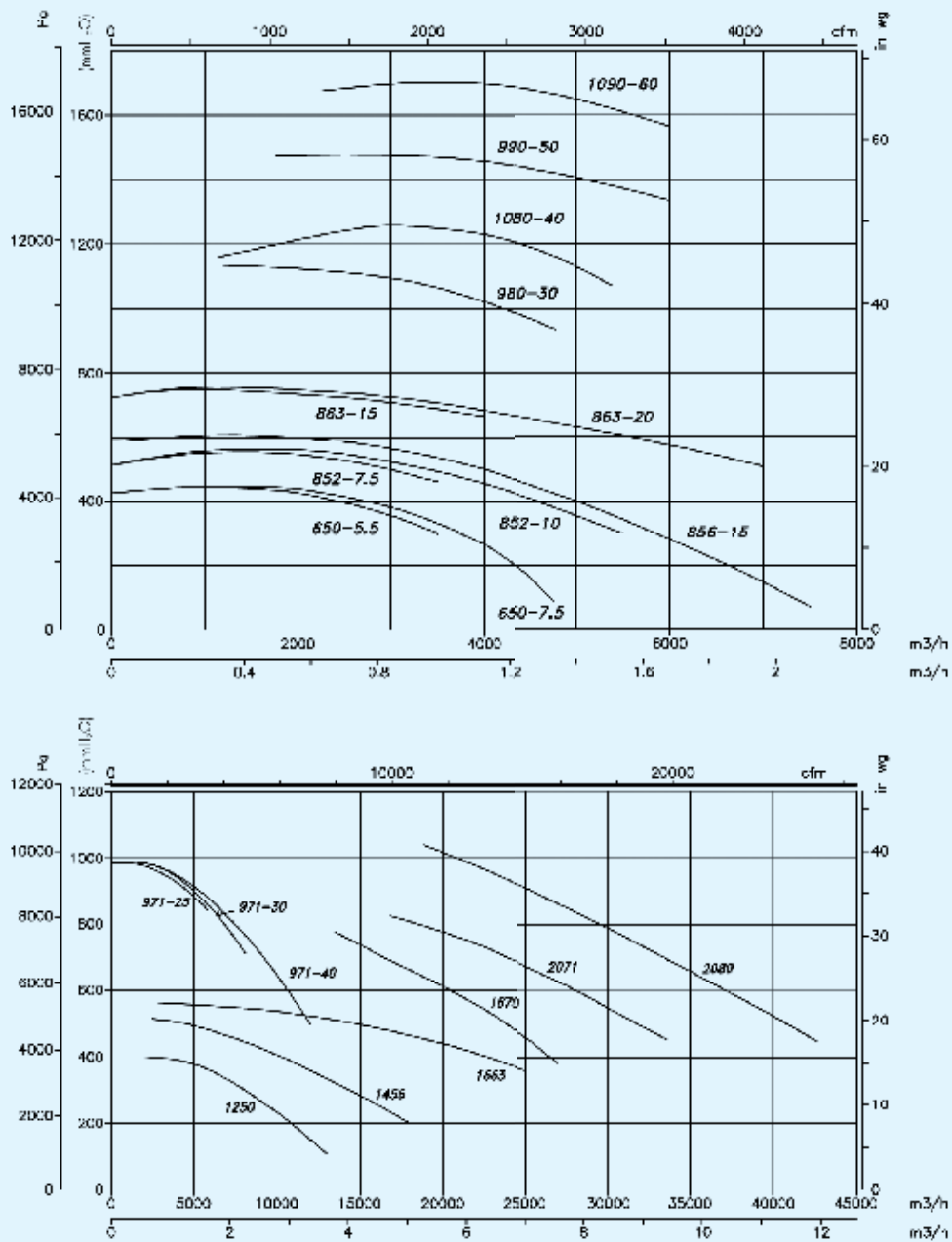
Pe = Static pressure in mm.w.c., Pa and inwg.



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.



Positions

LG 270 standard supply
LG 180 positions on request
and with special fixing measurements.



Supplied on request
RD 180 positions with special
fixing measurements.



SCF/E CF/E



SCF/E: Centrifugal single-inlet, medium-pressure fans fitted with an impeller with forward-facing blades and self-cleaning profile

CF/E: Centrifugal single-inlet, medium-pressure fans fitted with an impeller with forward-facing blades

Fan:

- Galvanized sheet steel casing
- Impeller with forward-facing blades, in galvanized sheet steel
- SCF/E: The turbine's design allows it to be easily cleaned, and prevents the build-up of grease.

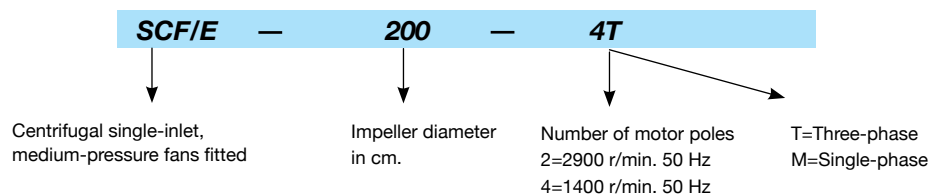
Motor:

- Three-phase motors with IE-2 efficiency, except lower powers 0.75 kW
- Maximum air temperature to transport: -20°C/+120°C.

Finish:

- Anticorrosive in galvanized sheet steel.

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Approx. weight (Kg)
		230V	400V	690V			
SCF/E-200-4T-0,5 12/6	1370	2,02	1,17		0,37	2860	15
SCF/E-250-4T-1 15/7	1410	3,10	1,79		0,75	5050	25
SCF/E-250-4T-1,5 15/7	1400	4,03	2,32		1,10	6120	45
SCF/E-300-4T-2 18/9	1440	5,67	3,26		1,50	8240	47
SCF/E-300-4T-3 18/9	1430	7,98	4,59		2,20	8990	55
SCF/E-350-4T-3 20/10	1430	7,98	4,59		2,20	7540	61
SCF/E-350-4T-4 20/10	1445	10,96	6,33		3,00	11070	69
SCF/E-350-4T-5,5 20/10	1440	14,10	8,12		4,00	12930	78
SCF/E-450-4T-7,5 22/11	1460		10,50	6,09	5,50	15000	92
SCF/E-450-4T-10 22/11	1455		14,20	8,20	7,50	17510	102
CF/E-10/5-4T-1	1410	3,10	1,79		0,75	2850	24
CF/E-10/5-6T-0,33	900	1,51	0,87		0,25	1840	22
CF/E-12/6-4T-2	1430	5,96	3,44		1,50	3810	33
CF/E-12/6-6T-1	945	3,90	2,20		0,75	3450	31
CF/E-15/7-6T-3	955	9,30	5,30		2,20	6460	78
CF/E-18/9-6T-5,5	960	16,50	9,46		4,00	10280	92
CF/E-18/9-6T-7,5	965		12,30	7,10	5,50	12450	102
CF/E-20/10-6T-10	970		19,20	11,10	7,50	16330	114

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	$\eta_e[\%]$	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
SCF/E-200-4T-0,5	A	S	NO	1,00	35,5%	44,3	0,413	1911	28,2	1406
SCF/E-250-4T-1	A	S	NO	1,00	40,0%	46,8	0,819	3389	35,5	1421
SCF/E-250-4T-1,5	A	S	NO	1,00	39,1%	45,1	1,127	4080	39,6	1416
SCF/E-300-4T-2	A	S	NO	1,01	39,9%	45,3	1,423	5150	40,5	1453
SCF/E-300-4T-3	A	S	NO	1,01	41,6%	46,8	1,511	5061	45,6	1460
SCF/E-350-4T-3	A	S	NO	1,01	51,5%	55,2	2,548	6902	69,8	1432
SCF/E-350-4T-4	A	S	NO	1,01	52,7%	56,4	2,635	6953	73,4	1458
SCF/E-350-4T-5,5	A	S	NO	1,01	48,7%	51,5	3,649	8349	78,1	1452
SCF/E-450-4T-7,5	A	S	NO	1,01	49,6%	51,6	4,873	9445	94,1	1469
SCF/E-450-4T-10	A	S	NO	1,01	49,9%	51,7	5,270	9133	105,8	1472
CF/E-10/5-4T-1	A	S	NO	1,00	35,8%	44,2	0,475	1323	47,2	1455
CF/E-10/5-6T-0,33	A	S	NO	1,00	32,5%	44,2	0,144	890	19,4	962
CF/E-12/6-4T-2	A	S	NO	1,01	46,4%	52,0	1,313	2678	83,5	1449
CF/E-12/6-6T-1	A	S	NO	1,00	38,8%	47,1	0,489	1986	35,1	973
CF/E-15/7-6T-3	A	S	NO	1,01	44,2%	50,8	0,911	2977	49,7	990
CF/E-18/9-6T-5,5	A	S	NO	1,01	61,7%	67,4	1,261	3846	74,3	989
CF/E-18/9-6T-7,5	A	S	NO	1,01	62,1%	67,5	1,434	4340	75,4	992
CF/E-20/10-6T-10	A	S	NO	1,01	65,4%	70,3	1,698	4761	85,7	994

Dimensiones mm

SCF/E

The diagram shows the SCF/E machine with various dimensions labeled. The side view (left) shows dimensions C, c1, c2, 60, øD, 25, x1, x2, x3, and X. The front view (middle) shows dimensions ø1, E, B, H, ø10, v, and V. Two detail views of the motor base are shown on the right: one for STC-200, STC-250, and STC-300, and another for STC-350 and STC-450. These detail views show dimensions like k1, k2, k3, k4, k5, k6, k7, k8, k9, k10, k11, k12, k13, k14, k15, k16, k17, k18, k19, k20, k21, k22, k23, k24, k25, k26, k27, k28, k29, k30, k31, k32, k33, k34, k35, k36, k37, k38, k39, k40, k41, k42, k43, k44, k45, k46, k47, k48, k49, k50, k51, k52, k53, k54, k55, k56, k57, k58, k59, k60, k61, k62, k63, k64, k65, k66, k67, k68, k69, k70, k71, k72, k73, k74, k75, k76, k77, k78, k79, k80, k81, k82, k83, k84, k85, k86, k87, k88, k89, k90, k91, k92, k93, k94, k95, k96, k97, k98, k99, k100, k101, k102, k103, k104, k105, k106, k107, k108, k109, k110, k111, k112, k113, k114, k115, k116, k117, k118, k119, k120, k121, k122, k123, k124, k125, k126, k127, k128, k129, k130, k131, k132, k133, k134, k135, k136, k137, k138, k139, k140, k141, k142, k143, k144, k145, k146, k147, k148, k149, k150, k151, k152, k153, k154, k155, k156, k157, k158, k159, k160, k161, k162, k163, k164, k165, k166, k167, k168, k169, k170, k171, k172, k173, k174, k175, k176, k177, k178, 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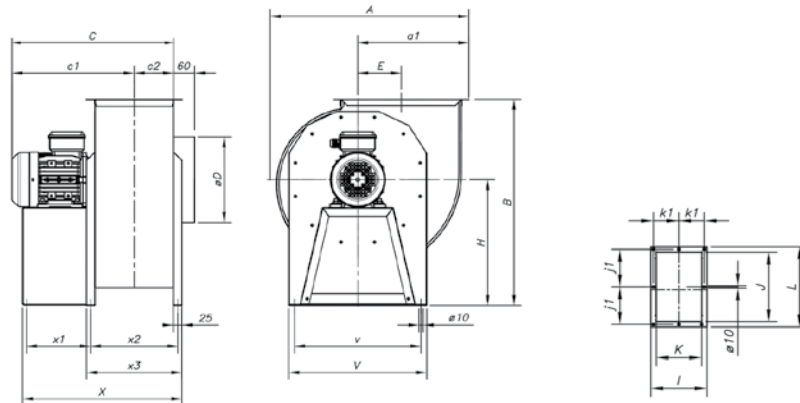
Positions

LG 0 standard supply



Dimensiones mm

CF/E



	A	a1	B	C	c1	c2	c3	øD	E	H	J	j1	K	k1	L	I	V	v	X	x1	x2	x3
CF/E-10/5-4T-1	471	276	485	420,5	330	90,5	50	300	102	283	289,5	160	180	106,5	348,5	240	345	300	385	153	207	230
CF/E-10/5-6T-0,33	471	276	485	403	312,5	90,5	50	300	102	283	289,5	160	180	106,5	348,5	240	345	300	363	130	207	230
CF/E-12/6-4T-2	555	322	560	491	386	105	60	355	121	329	343	186	210	121	402	270	400	345	445	184	236	259
CF/E-12/6-6T-1	555	322	560	474	369	105	60	355	121	329	343	186	210	121	402	270	400	345	445	184	236	259
CF/E-15/7-6T-3	651	379	650	614,5	480	134,5	75	400	147	385	406	217,5	269	153	465	330	450	415	542	222	295	318
CF/E-18/9-6T-5,5	773	446,5	776,5	711	560	151	75	450	175	453,5	484	256,5	300	166	543	361	530	495	632	280	327	350
CF/E-18/9-6T-7,5	773	446,5	776,5	711	560	151	75	450	175	453,5	484	256,5	300	166	543	361	530	495	632	280	327	350
CF/E-20/10-6T-10	948	553	935	819	654	165	75	600	221,5	560	604	317	330	181	663	391	645	610	710	325	356	379

Positions

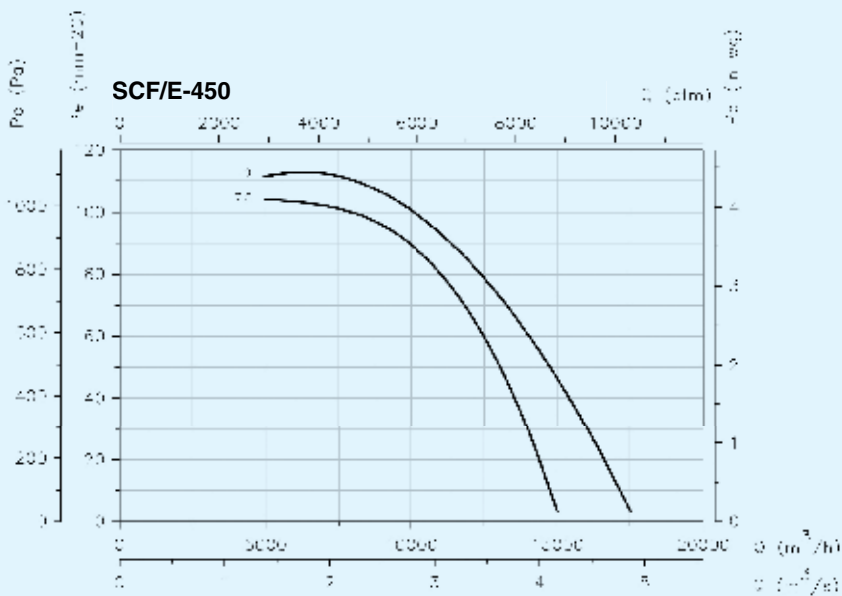
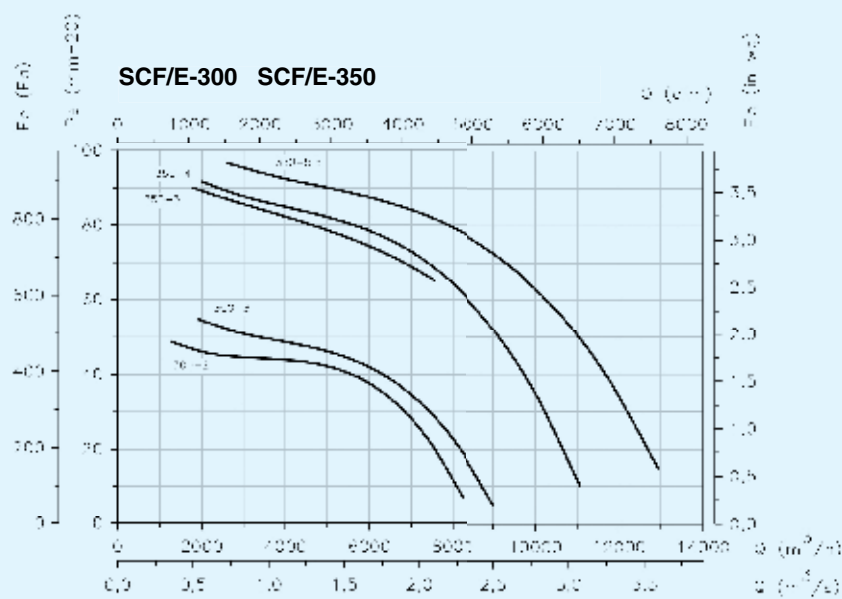
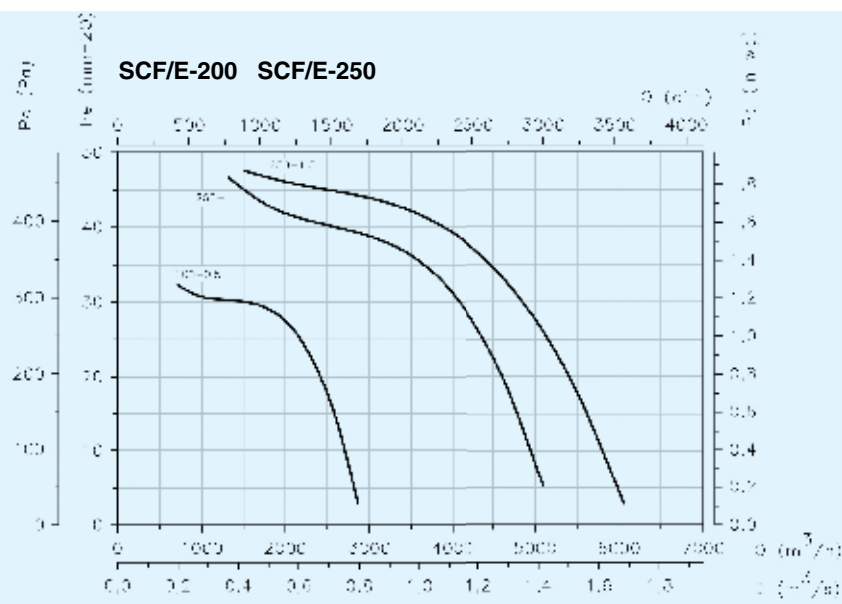
LG 0 standard supply



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.






EURO Ventus®
★★★★★

CHEMICAL FAN

CCF

CCF : Centrifugal anti-corrosive single-inlet fans made from polypropylene.



Aesthetic and modern design

Fan:

- Polypropylene casing
- Impeller with forward-facing blades made from polypropylene

Motor:

- Motors with IE-2 efficiency, except for motors with lower powers than 0.75 kW and single-phase motors.
- Class F motors, with bearings, IP55 protection.
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20°C + 70°C

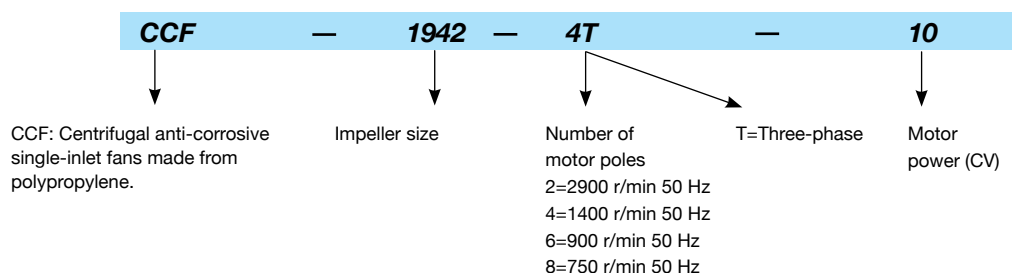
Finish:

- Plastic anticorrosive

On request:

- Special windings for different voltages
- ATEX certification, Category 3

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CCF-815-2T	2710	1.92	1.11		0.37	950	75	14.0
CCF-815-4T	1350	1.52	0.88		0.25	450	58	14.0
CCF-1020-2T	2770	2.78	1.60		0.75	2000	81	19.5
CCF-1020-4T	1350	1.52	0.88		0.25	1250	65	19.5
CCF-1020-6T	900	1.51	0.87		0.25	750	53	19.5
CCF-1325-2T	2885	7.77	4.47		2.20	3250	87	27.0
CCF-1325-4T	1370	2.02	1.17		0.37	2300	69	27.0
CCF-1325-6T	900	1.51	0.87		0.25	1400	59	27.0
CCF-1630-4T	1430	5.96	3.44		1.50	4500	75	34.5
CCF-1630-6T	900	2.99	1.73		0.55	2700	63	34.5
CCF-1840-4T	1445	10.96	6.33		3.00	6000	70	48.0
CCF-1840-6T	945	4.88	2.82		1.10	4200	65	42.0
*CCF-1942-4T-7.5	1440		11.60	6.72	5.50	8500	79	66.0
*CCF-1942-4T-10	1455		14.20	8.20	7.50	10500	84	77.0
*CCF-1942-6T	955	9.30	5.30		2.20	7000	75	49.0
*CCF-1942-8T	705	7.10	4.10		1.50	5500	70	56.0
CCF-2045-4T	1455		14.20	8.20	7.50	10400	78	102.0
CCF-2045-6T	960	12.70	7.30		3.00	7000	72	88.0
CCF-1335-2T	2880		10.50	6.09	5.50	4700	84	91.0
CCF-1160-4T	1460		20.20	11.60	11.00	8000	83	243.0
CCF-2060-4T	1460		20.20	11.60	11.00	12000	81	245.0
CCF-2160-4T	1460		27.50	15.90	15.00	15500	77	282.0
*CCF-720-2T	2710	1.92	1.11		0.37	525	75	10.0
*CCF-825-2T	2860	4.20	2.40		1.10	1140	79	17.0
*CCF-930-2T	2885	7.77	4.47		2.20	1750	84	24.0

*Only LG position allowed

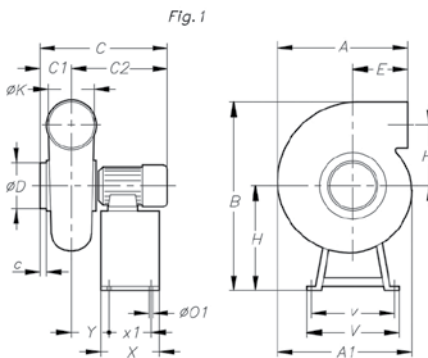
Acoustic features

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
CCF-815-2	56	69	77	81	81	77	73	65	CCF-1942-4-10	80	90	92	95	94	94	92	83
CCF-815-4	39	52	60	64	64	60	56	48	CCF-1942-6	71	81	83	86	85	85	83	74
CCF-1020-2	62	75	83	87	87	83	79	71	CCF-1942-8	66	76	78	81	80	80	78	69
CCF-1020-4	46	59	67	71	71	67	63	55	CCF-2045-4	63	76	84	88	89	85	81	72
CCF-1020-6	34	47	55	59	59	55	51	43	CCF-2045-6	57	70	78	82	83	79	75	66
CCF-1325-2	70	83	91	95	96	92	88	79	CCF-1335	67	80	88	92	93	89	85	76
CCF-1325-4	52	65	73	77	78	74	70	61	CCF-1160	68	81	89	93	94	90	86	77
CCF-1325-6	42	55	63	67	68	64	60	51	CCF-2060	66	79	87	91	92	88	84	75
CCF-1630-4	60	73	81	85	86	82	78	69	CCF-2160	64	77	85	89	89	85	81	73
CCF-1630-6	48	61	69	73	74	70	66	57	CCF-720	56	69	77	81	81	77	73	65
CCF-1840-4	55	68	76	80	81	77	73	64	CCF-825	60	73	81	85	85	81	77	69
CCF-1840-6	50	63	71	75	76	72	68	59	CCF-930	65	78	86	90	90	86	82	74
CCF-1942-4-7,5	75	85	87	90	89	89	87	78									

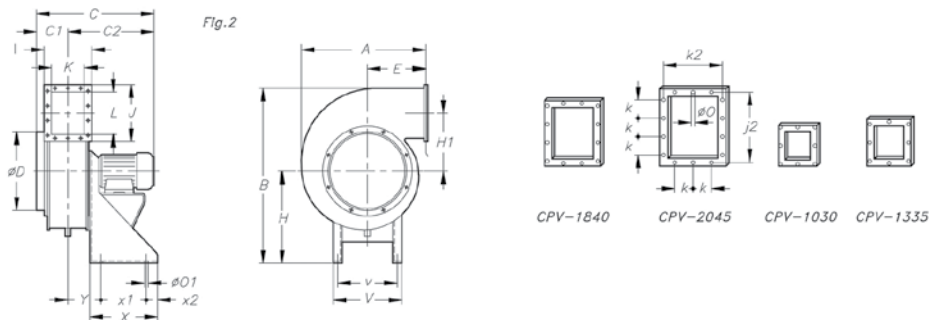
Dimensions in mm

CCF-720...1942



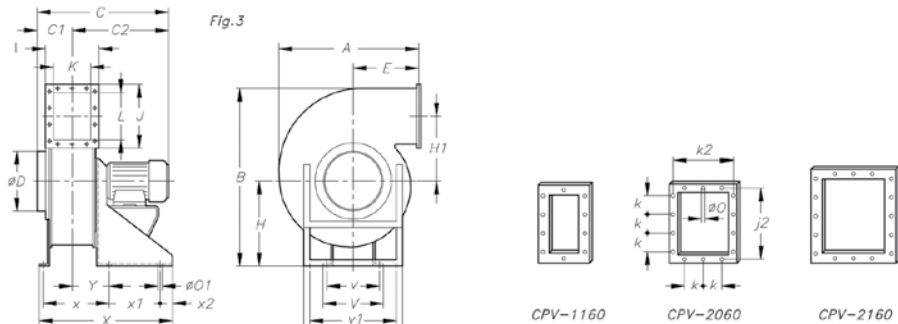
Model	Fig.	A	A1	B	C	C1	C2	c	ØD	E	H	H1	ØK	ØO1	V	v	X	x1	Y
CCF-720	1	375	-	456	350	80	270	45	90	212	281	130	90	8	355	335	180	160	92
CCF-815	1	303	335	521	360	100	260	30	125	100	281	177,5	125	8	355	335	180	160	90
CCF-825	1	445	-	522	433	110	323	55	125	218	290	170	125	8	355	335	180	160	103
CCF-930	1	540	-	658	477	100	377	40	160	262	370	205	160	8	400	380	180	160	117
CCF-1020-2T	1	340	397	593	445,5	116	329,5	32	160	100	290	223	160	8	355	335	180	160	127,5
CCF-1020-4/6T	1	340	397	584	422,5	116	306,5	32	160	100	281	223	160	8	355	335	180	160	122,5
CCF-1325-2T	1	413	505	735	494	130	364	35	200	103	370	265	200	8	400	380	180	160	125
CCF-1325-4/6T	1	413	505	716	432,5	130	302,5	35	200	103	351	265	200	8	400	380	180	160	113,5
CCF-1630-4T	1	490	602	890	536,5	145	391,5	35	250	117	440	323	250	8	450	430	240	220	142,5
CCF-1630-6T	1	490	602	880	503	145	358	35	250	117	430	323	250	8	450	430	240	220	138
CCF-1942-4T	1	580	750	1170	730,5	210	520,5	60	315	130	600	412,5	315	8	600	564	350	314	181,5
CCF-1942-6/8T	1	580	750	1150	679,5	210	469,5	60	315	130	580	412,5	315	8	600	564	350	314	204

CCF-1030...2045



Model	Fig.	A	B	C	C1	C2	ØD	E	H	H1	I	J	J2	ØK	k	k2	L	ØO	ØO1	V	v	X	x1	x2	Y
CCF-1335	2	566	788	-	175	-	225	255	452	246	240	256	226	160	100	210	180	9	12	320	285	-	200	50	140
CCF-1840-4T	2	628	819	660	210	450	355	275	420	259	305	356	326	225	100	275	280	9	12	320	285	300	200	50	170
CCF-1840-6T	2	628	809	630	210	420	355	275	410	259	305	356	326	225	100	275	280	9	12	320	285	300	200	50	170
CCF-2045	2	724	1020	810	245	565	400	300	542	310	362	421	381	270	100	322	335	9	12	350	315	350	250	50	197

CCF-1160...2160



Model	Fig.	A	B	C	C1	C2	ØD	E	H	H1	I	J	J2	ØK	k	k2	L	ØO	ØO1	V	V1	v	v1	X	x	x1	x2	Y
CCF-1160	3	937	1276	-	210	-	355	410	700	421	275	416	366	155	100	225	310	9	14	500	790	450	670	710	265	360	60	155
CCF-2060	3	937	1276	-	270	-	400	410	700	421	395	416	366	275	100	345	310	9	14	500	790	450	670	855	410	360	60	215
CCF-2160	3	981	1336	-	285	-	600	414	700	438,5	455	501	451	335	100	405	395	9	14	500	790	450	670	915	470	360	60	240

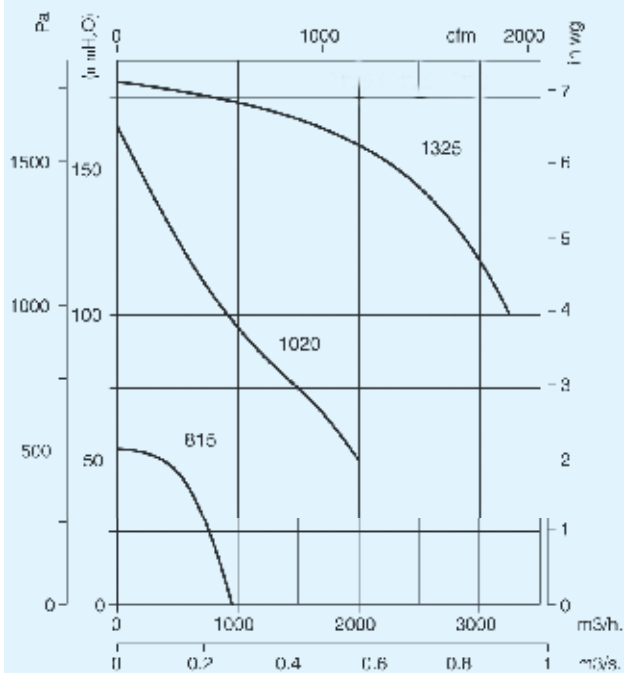


Characteristic curves

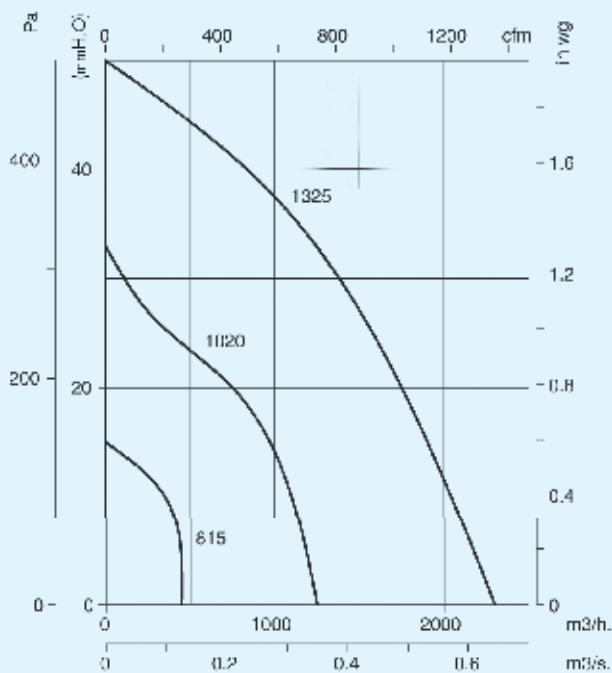
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.

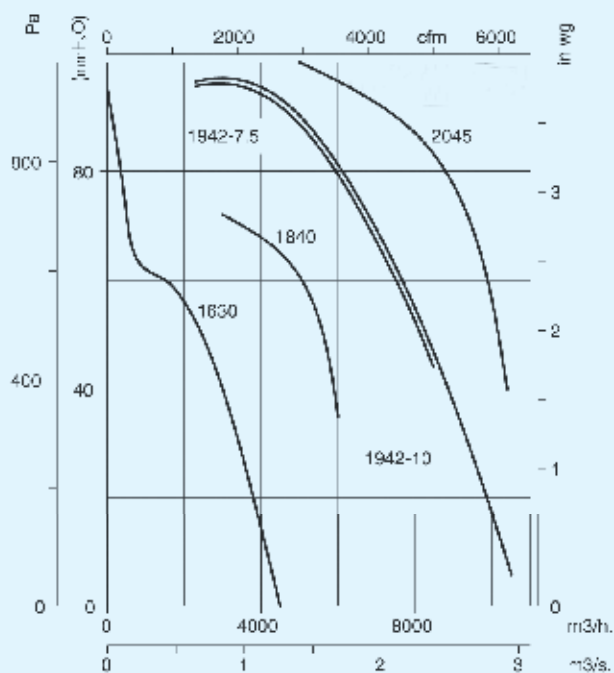
2T=3000 r/min



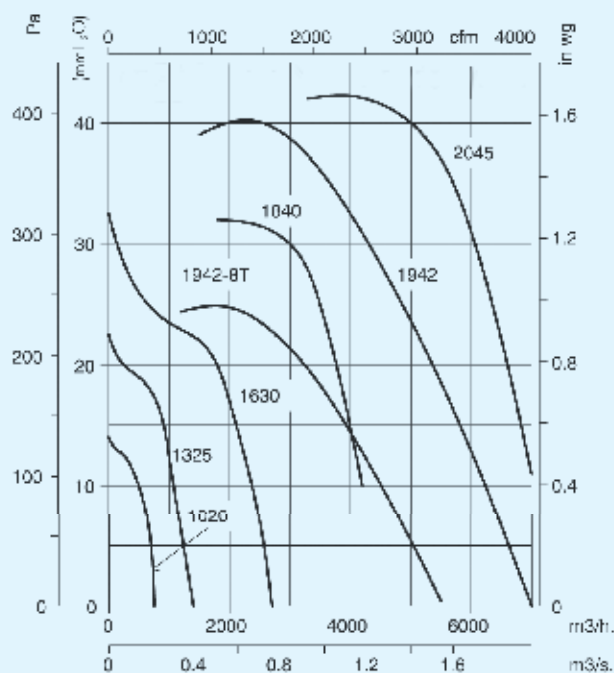
4T=1500 r/min



4T=1500 r/min



6T=1000 r/min 8T=750 r/min



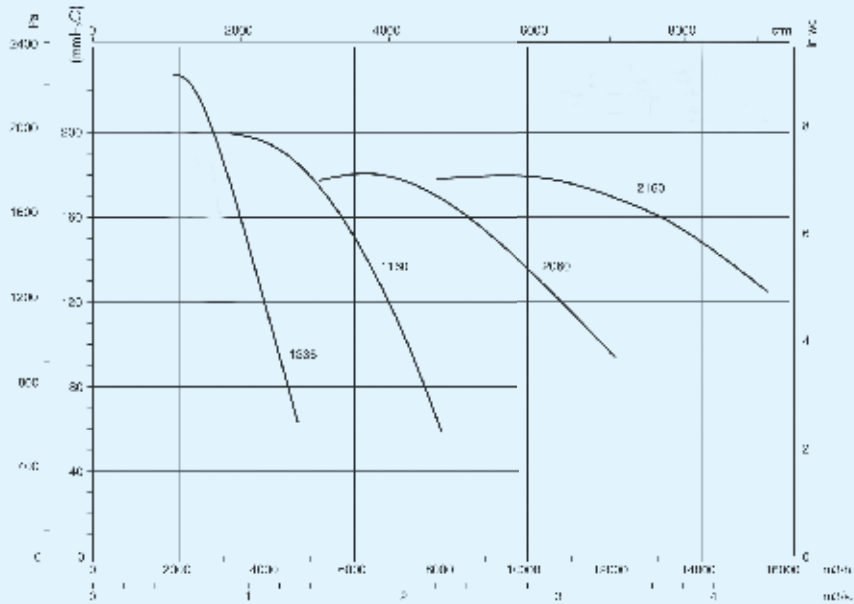
Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

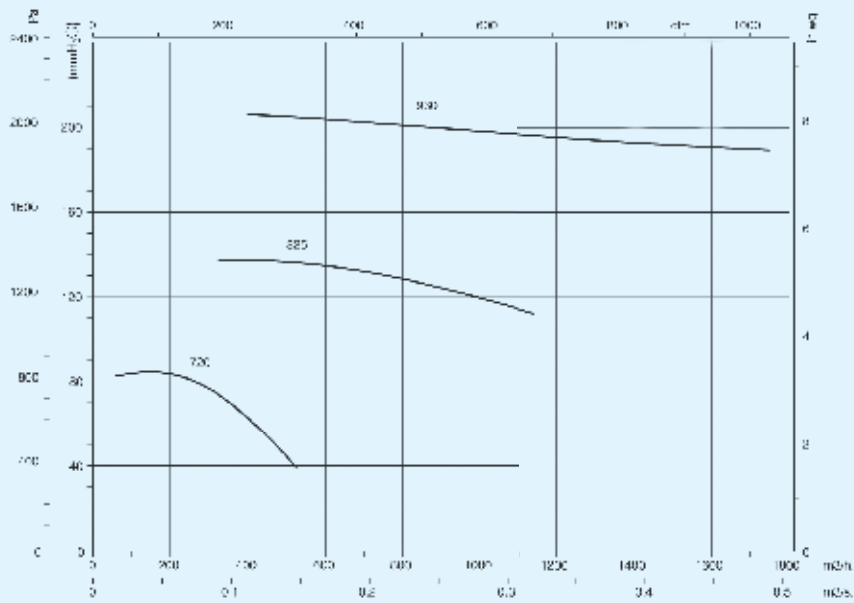
Pe = Static pressure in mm.w.c., Pa and inwg.



2T=3000 r/min 4T=1500 r/min



2T=3000 r/min



Positions

LG 90 standard supply



LG0



LG45



LG90



LG315



RD 0



RD 45



RD 90



RD 315



URF

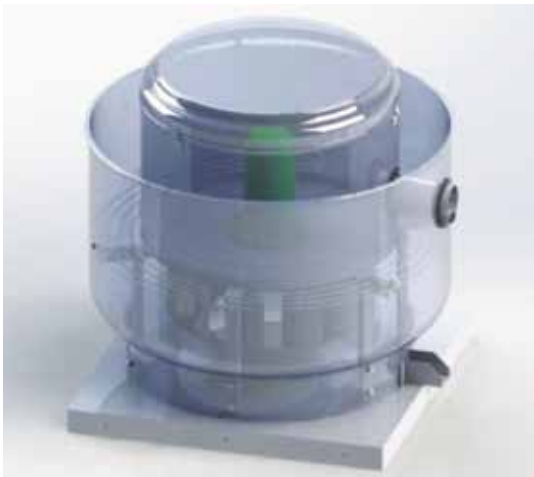
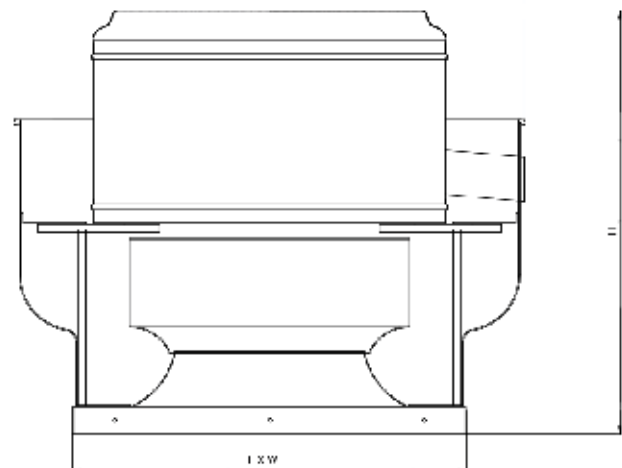


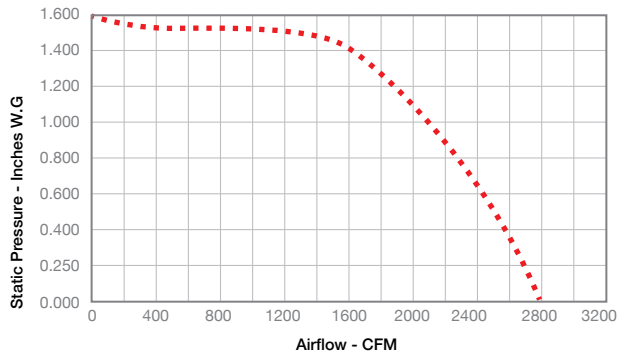
Figure 1 Module Design

URF Series: The product is made in aluminum alloy, which is cutting, by laser to ensure highprecision mold line. The base is aluminum alloy for one-time stretch. Driven cavity cover adoptp galvanized material, which can open with hands, and convenient to daily cleaning maintenance. Different ways of motor with different transmission need to select different motor bracket. The impeller adopts laser cutting technology and die stretch forming. A different work environment needs to adopt different impeller material. Carbon steel, stainless steel and aluminum alloy impeller are optional. The surface of the impeller adopts industrial spraying. Impeller balance test grades are in strict accordance with the G4.0 ISO1940, and meet its requirements. In this series, roof blower use aluminum alloy wheel.

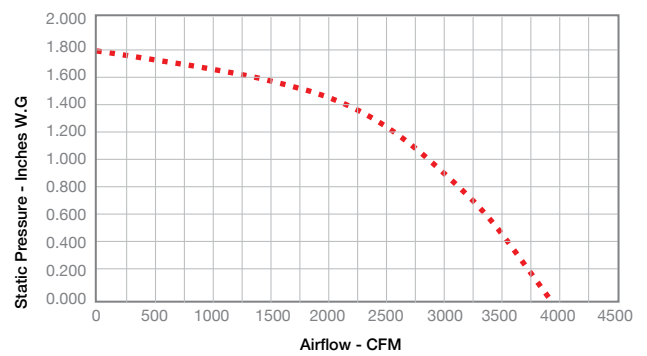


Model	Power (HP)	Voltage/Hz/Phase	Speed (RPM)	Noise level (dB)	Dimension (CM)L X W X H
URF-10/0.75	0.75	220/50/1	1450	18.1	630X630X657
URF-14/1	1	220/50/1	1450	25	630X630X692
URF-16/2	2	220/50/1	1450	28	712X712X741
URF-18/1.5	1.5	220/50/1	960	21	712X712X768
URF-20/3	3	380/50/3	960	21	838X838X826
URF-24/3	3	380/50/3	1000	21	838X838X872

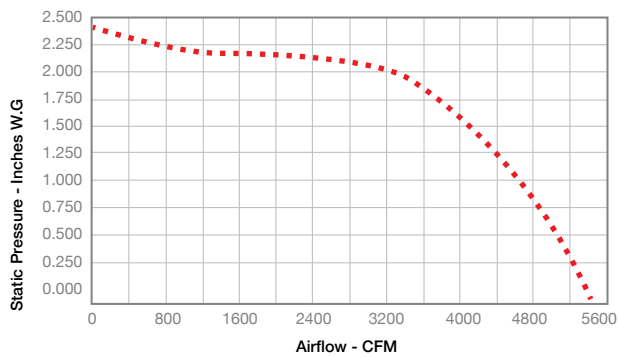
URF - 10



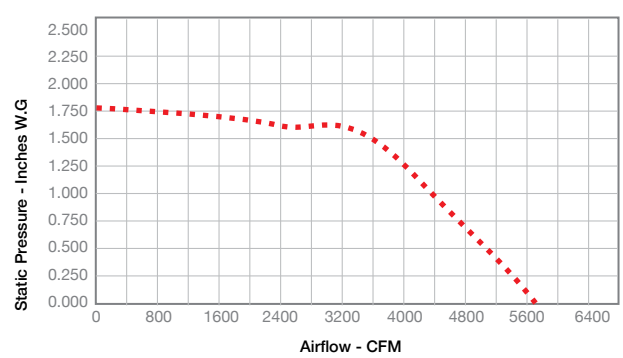
URF - 14



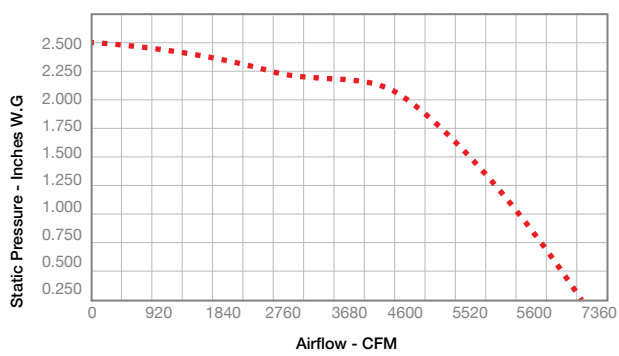
URF - 16



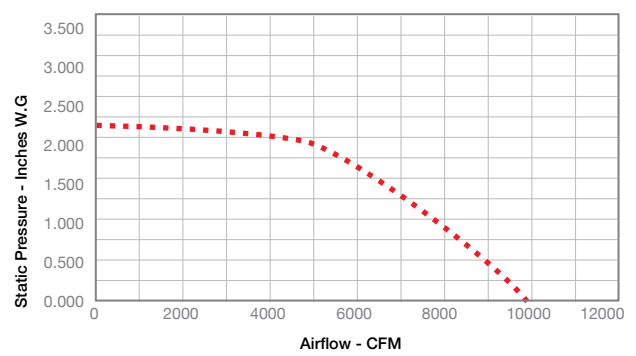
URF - 18



URF - 20



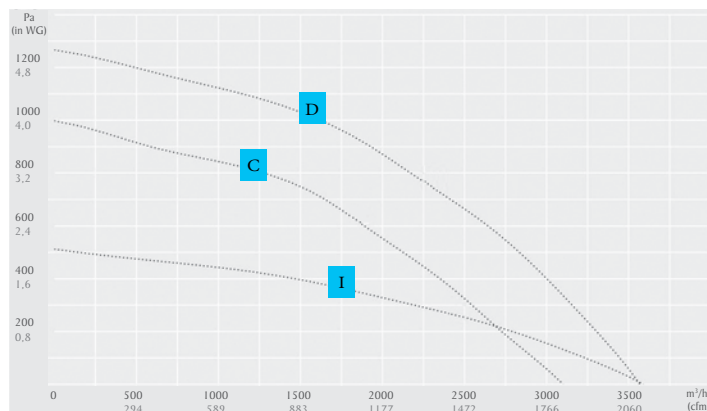
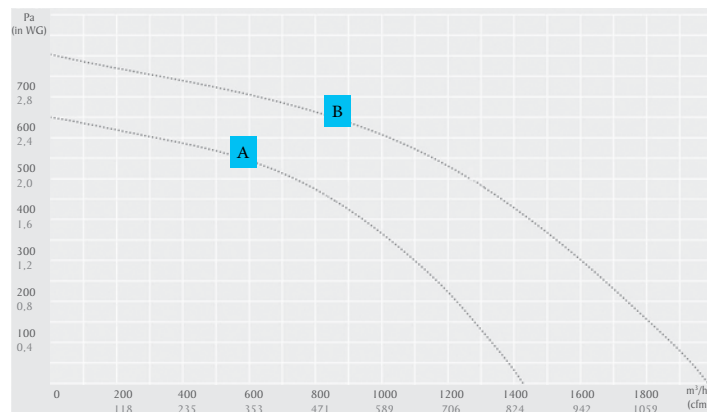
URF - 24



KRF

Roof fans, kitchen exhaust, up to 120 °C

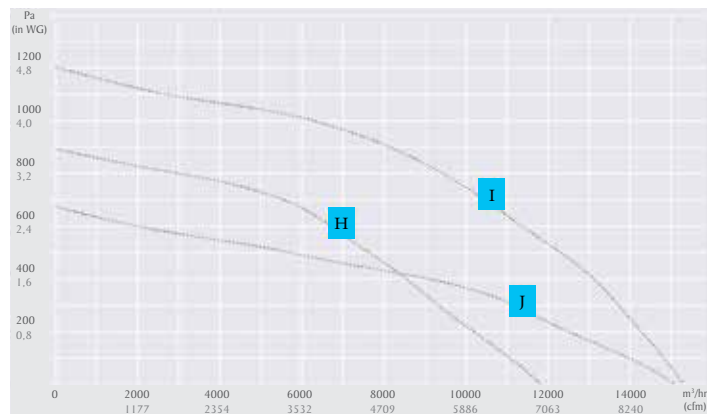
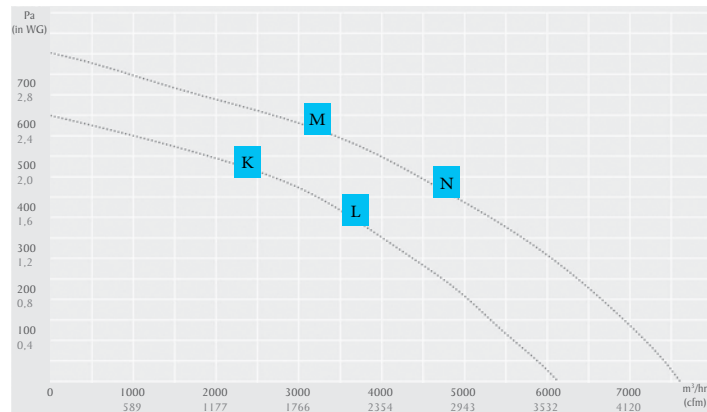
- Suitable for medium temperatures up to 120°C
- Motor outside the air stream, specific for kitchen exhaust operation
- With integrated isolator switch
- Housing made of weatherproof Aluminium AlMg3
- Integrated drain pan
- Voltage or frequency controlled air flow rate adjustment
- Fans starting with size 450, equipped with crane eyes
- Backward curved impellers for optimum efficiency rates



Type	U_N V	f_N Hz	I_{max} A	P_N W	V cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	t_A °C	t_M °C	Weight (lbs)	WxHxL in
A KRF 225 E2 20 (9")	230V ~	50	1,8	238	842 / 1430	42	42	72	76	80	120	42,7	16,1 x 19,3 x 18,7
B KRF 250 E2 20 (10")	230V ~	50	3,1	384	1171 / 1990	44	43	75	79	80	120	48,6	16,1 x 19,3 x 18,7
C KRF 280 E2 20 (11")	230V ~	50	3,8	632	1825 / 3100	49	48	76	80	60	120	64,0	19,6 x 22,5 x 21,8
D KRF 315 E2 20 (12")	230V ~	50	7,1	1094	2101 / 3570	44	43	81	88	50	120	78,5	19,6 x 22,5 x 21,8
E KRF 400 E4 20 (16")	230V ~	50	2,7	465	2113 / 3590	38	37	75	77	80	120	83,2	24,9 x 25 x 26,7
F KRF 450 E4 20 (18")	230V ~	50	4,5	811	3608 / 6130	49	48	72	75	55	120	111,1	31,1 x 29,8 x 32,6
G KRF 500 E4 20 (20")	230V ~	50	7,5	1305	4473 / 7600	47	46	78	84	55	120	123,2	31,1 x 29,8 x 32,6
H KRF 560 D4 (22")	400V 3~	50	4,6	2080	6963 / 11830	52	51	80	82	70	120	182,6	39,2 x 39,7 x 40,7
I KRF 630 D4 (25")	400V 3~	50	7,5	3990	9006 / 15300	51	50	85	87	60	120	187,0	39,2 x 39,7 x 40,7
J KRF 710 D6 (28")	400V 3~	50	4,5	2065	8882 / 15090	47	46	83	81	60	120	286,0	49,8 x 43,1 x 51,3



- The mounting surface must be horizontal and level
- Consider allowable roof load
- Make certain there is sufficient sealing between roof fan and roof socket
- Easy cleaning access through swing out fan unit
- Remove fastening screw, swing out top section and screw down base plate on to supporting surface
- Insulation Class Motor: F
- IP Complete Unit: IPX4



KRF-ISO

Roof fans, kitchen exhaust, sound insulated, up to 120°C

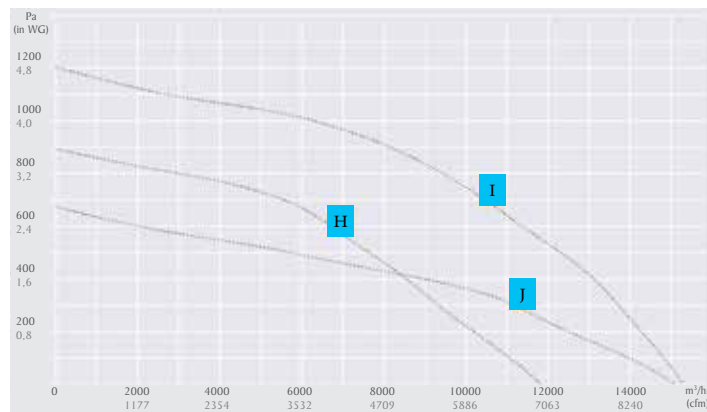
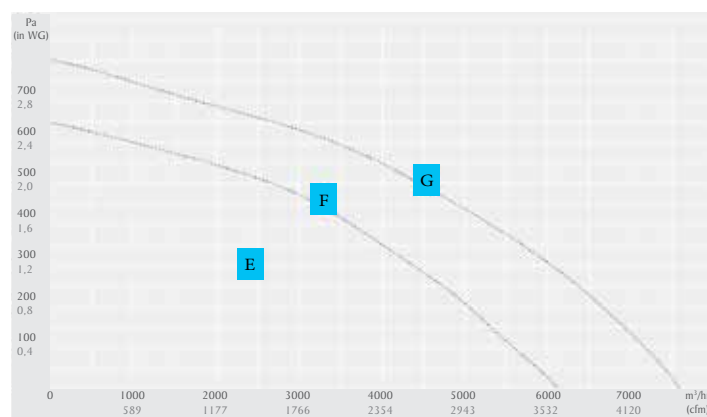
- Suitable for medium temperatures up to 120°C
- Thermally and sound insulated
- Motor outside the air stream, specific for kitchen exhaust operation
- With integrated isolator switch
- Housing made of weatherproof Aluminium AlMg3
- Integrated drain pan
- Voltage or frequency controlled air flow rate adjustment
- Fans starting with size 450, equipped with crane eyes
- Backward curved impellers for optimum efficiency rates



Type	U_N V	f_N Hz	I_{max} A	P_N W	V cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	t_A °C	t_M °C	Weight (lbs)	WxHxL in
A KRF-ISO 225 E2 20 (9")	230V ~	50	1,8	238	842 / 1430	42	42	72	72	80	120	42,7	16,1 x 19,3 x 18,7
B KRF-ISO 250 E2 20 (10")	230V ~	50	3,1	384	1171 / 1990	44	43	75	76	80	120	48,6	16,1 x 19,3 x 18,7
C KRF-ISO 280 E2 20 (11")	230V ~	50	3,8	632	1825 / 3100	49	48	76	74	60	120	64,0	19,6 x 22,5 x 21,8
D KRF-ISO 315 E2 20 (12")	230V ~	50	7,1	1094	2101 / 3570	44	43	81	80	50	120	78,5	19,6 x 22,5 x 21,8
E KRF-ISO 400 E4 20 (16")	230V ~	50	2,7	465	2113 / 3590	38	37	75	71	80	120	83,2	24,9 x 25 x 26,7
F KRF-ISO 450 E4 20 (18")	230V ~	50	4,5	811	3608 / 6130	49	48	72	72	55	120	111,1	31,1 x 29,8 x 32,6
G KRF-ISO 500 E4 20 (20")	230V ~	50	7,5	1305	4473 / 7600	47	46	78	75	55	120	123,2	31,1 x 29,8 x 32,6
H KRF-ISO 560 D4 (22")	400V 3~	50	4,6	2080	6963 / 11830	52	51	80	79	70	120	182,6	39,2 x 39,7 x 40,7
I KRF-ISO 630 D4 (25")	400V 3~	50	7,5	3990	9006 / 15300	51	50	85	83	60	120	187,0	39,2 x 39,7 x 40,7
J KRF-ISO 710 D6 (28")	400V 3~	50	4,5	2065	8882 / 15090	47	46	83	78	60	120	286,6	49,8 x 43,1 x 51,3



- The mounting surface must be horizontal and level
- Consider allowable roof load
- Make certain there is sufficient sealing between roof fan and roof socket
- Easy cleaning access through swing out fan unit
- Remove fastening screw, swing out top section and screw down base plate on to supporting surface
- Insulation Class Motor: F
- IP Complete Unit: IPX4



RBF/E RBF/V



120°C centrifugal roof fans with horizontal or vertical air outlet

RBF/E: 120°C centrifugal roof fans with horizontal air outlet, hood in aluminium

RBF/V: 120°C centrifugal roof fans with vertical air outlet, hood in aluminium

Fan:

- Galvanised sheet steel base plate
- Impeller with backward-curved blades made from galvanised sheet steel
- Bird guard
- Aluminium rain deflector hood
- Approval according to Standard EN-12101-3-2002

- Anticorrosive galvanized sheet steel and aluminium

On request:

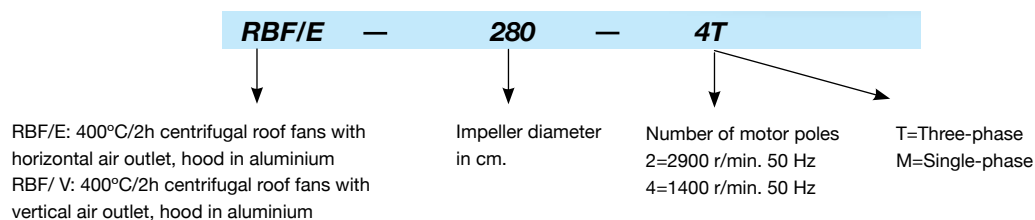
- Special windings for different voltages.
- ATEX certification, Category 3
- 400°C/2h

Motor:

- IE-2 efficiency motors, except powers lower than 0.75 kW
- Class F motors, with ball bearings, and IP55 protection
- Single-phase 230V.-50Hz., and three-phase 230/400V.-50Hz.
- Maximum air temperature to transport: -25°C.+ 120°C.

Finish:

Order code



Technical characteristics

Model			Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level DB(A)		Approx. weight (Kg)
				230V	400V			Aspiración / Inlet	Descarga / Outlet	
RBF/E	RBF/V	280-4T	1350	1,66	0,96	0,25	1450	37	43	25
RBF/E	RBF/V	280-4M	1380	0,65		0,25	1450	37	43	25
RBF/E	RBF/V	315-4T	1350	1,66	0,96	0,25	2100	41	47	25
RBF/E	RBF/V	315-4M	1380	0,95		0,25	2100	41	47	25
RBF/E	RBF/V	315-6T	900	1,51	0,87	0,25	1400	30	36	25
RBF/E	RBF/V	315-6M	890	0,50		0,25	1400	30	36	25
RBF/E	RBF/V	355-4T	1350	1,66	0,96	0,25	3100	45	50	32
RBF/E	RBF/V	355-4M	1380	1,35		0,25	3100	45	50	32
RBF/E	RBF/V	355-6T	900	1,51	0,87	0,25	2000	33	40	33
RBF/E	RBF/V	355-6M	890	0,65		0,25	2000	33	40	33
RBF/E	RBF/V	400-4T	1380	2,92	1,69	0,55	4950	48	54	35
RBF/E	RBF/V	400-4M	1380	3,30		0,55	4950	48	54	35
RBF/E	RBF/V	400-6T	900	2,24	1,30	0,37	3200	37	43	35
RBF/E	RBF/V	400-6M	910	0,95		0,37	3200	37	43	35
RBF/E	RBF/V	450-4T	1410	3,10	1,79	0,75	7000	55	61	52
RBF/E	RBF/V	450-4M	1380	4,40		0,75	7000	55	61	52
RBF/E	RBF/V	450-6T	900	2,24	1,30	0,37	4500	44	50	51
RBF/E	RBF/V	450-6M	910	1,80		0,37	4500	44	50	51
RBF/E	RBF/V	500-4T	1430	5,96	3,44	1,50	10200	59	64	60
RBF/E	RBF/V	500-6T	900	2,24	1,30	0,37	6900	47	54	53
RBF/E	RBF/V	500-6M	910	2,00		0,37	6900	47	54	53
RBF/E	RBF/V	630-6T	945	4,88	2,82	1,10	12000	51	57	95
RBF/E	RBF/V	630-8T	695	3,53	2,04	0,55	8900	44	50	95
RBF/E	RBF/V	710-6T	955	9,30	5,30	2,20	17300	54	61	118
RBF/E	RBF/V	710-8T	705	5,63	3,25	1,10	12900	46	53	102
RBF/E	RBF/V	800-6T	960	16,50	9,46	4,00	24700	58	64	160
RBF/E	RBF/V	800-8T	705	7,10	4,10	1,50	18400	50	57	142

Erp. BEP (best efficiency point) characteristics

RBF/E RBF/V

Model	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)	
RBF/E RBF/ V 280-4T	-	-	-	-	-	0,099	855	17,36	1462	
RBF/E RBF/ V 280-4M	-	-	-	-	-	0,114	888	18,71	1467	
RBF/E RBF/ V 315-4T	C	S	NO	1,00	41,2%	59,9	0,169	1205	21,26	1430
RBF/E RBF/ V 315-4M	C	S	NO	1,00	42,0%	60,1	0,189	1257	23,15	1442
RBF/E RBF/ V 315-6T	-	-	-	-	-	0,054	826	10,00	981	
RBF/E RBF/ V 315-6M	-	-	-	-	-	0,068	875	11,21	986	
RBF/E RBF/ V 355-4T	C	S	NO	1,00	45,0%	61,1	0,292	1788	26,99	1359
RBF/E RBF/ V 355-4M	C	S	NO	1,00	43,5%	59,3	0,315	1813	27,75	1377
RBF/E RBF/ V 355-6T	-	-	-	-	-	0,106	1262	13,44	959	
RBF/E RBF/ V 355-6M	C	S	NO	1,00	40,6%	60,1	0,138	1344	15,26	971
RBF/E RBF/ V 400-4T	C	S	NO	1,00	50,4%	63,3	0,588	2652	41,02	1381
RBF/E RBF/ V 400-4M	C	S	NO	1,00	48,1%	60,6	0,653	2705	42,67	1408
RBF/E RBF/ V 400-6T	C	S	NO	1,00	43,4%	61,4	0,192	1689	18,09	956
RBF/E RBF/ V 400-6M	C	S	NO	1,00	45,5%	62,9	0,219	1792	20,35	963
RBF/E RBF/ V 450-4T	C	S	NO	1,00	60,8%	72,4	0,788	4472	39,34	1411
RBF/E RBF/ V 450-4M	C	S	NO	1,00	48,3%	59,1	0,942	4343	38,48	1419
RBF/E RBF/ V 450-6T	C	S	NO	1,00	48,9%	64,6	0,319	3148	18,20	926
RBF/E RBF/ V 450-6M	C	S	NO	1,00	51,3%	66,4	0,363	3338	20,46	933
RBF/E RBF/ V 500-4T	C	S	NO	1,01	60,6%	67,9	2,018	7176	62,55	1440
RBF/E RBF/ V 500-6T	C	S	NO	1,00	54,1%	66,5	0,667	4779	27,75	959
RBF/E RBF/ V 500-6M	C	S	NO	1,00	47,6%	59,1	0,796	4854	28,63	925
RBF/E RBF/ V 630-6T	C	S	NO	1,00	62,9%	72,5	1,238	6832	41,88	923
RBF/E RBF/ V 630-8T	C	S	NO	1,00	47,1%	59,4	0,674	5027	23,21	695
RBF/E RBF/ V 710-6T	C	S	NO	1,01	59,4%	66,1	2,282	9457	52,64	956
RBF/E RBF/ V 710-8T	C	S	NO	1,00	53,0%	63,2	1,060	7052	29,27	713
RBF/E RBF/ V 800-6T	C	S	NO	1,01	63,0%	67,3	3,879	14310	62,66	968
RBF/E RBF/ V 800-8T	C	S	NO	1,00	58,0%	66,3	1,629	10429	33,28	706

Best efficiency point data of the motor-impeller unit

Acoustic features

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Suction values at 2/3 maximum flow (2/3Qmax).

	63	125	250	500	1000	2000	4000	8000
RBF/E RBF/V 280-4	35	41	52	55	56	52	50	44
RBF/E RBF/V 315-4	42	51	56	56	60	59	52	46
RBF/E RBF/V 315-6	31	40	45	45	49	48	41	35
RBF/E RBF/V 355-4	46	55	60	60	64	63	56	50
RBF/E RBF/V 355-6	34	43	48	48	52	51	44	38
RBF/E RBF/V 400-4	50	56	62	62	65	68	59	53
RBF/E RBF/V 400-6	39	45	51	51	54	57	48	42
RBF/E RBF/V 450-4	57	63	69	69	72	75	66	60
RBF/E RBF/V 450-6	46	52	58	58	61	64	55	49
RBF/E RBF/V 500-4	62	69	74	74	78	77	70	65
RBF/E RBF/V 500-6	50	57	62	62	66	65	58	53
RBF/E RBF/V 630-6	54	60	65	66	70	69	62	55
RBF/E RBF/V 630-8	47	53	58	59	63	62	55	48
RBF/E RBF/V 710-6	57	63	68	69	73	72	65	58
RBF/E RBF/V 710-8	49	55	60	61	65	64	57	50
RBF/E RBF/V 800-6	61	67	72	73	77	76	69	62
RBF/E RBF/V 800-8	53	59	64	65	69	68	61	54

Discharge values at 2/3 maximum flow (2/3Qmax).

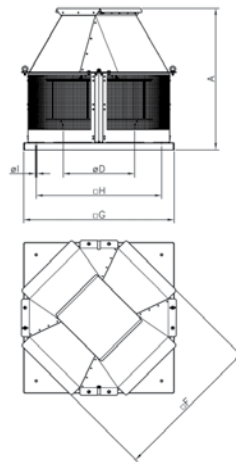
	63	125	250	500	1000	2000	4000	8000
RBF/E RBF/V 280-4	39	44	58	60	61	61	56	51
RBF/E RBF/V 315-4	41	50	60	64	67	64	57	51
RBF/E RBF/V 315-6	30	39	49	53	56	53	46	40
RBF/E RBF/V 355-4	44	53	63	67	70	67	60	54
RBF/E RBF/V 355-6	34	43	53	57	60	57	50	44
RBF/E RBF/V 400-4	49	61	69	71	72	72	64	56
RBF/E RBF/V 400-6	38	50	58	60	61	61	53	45
RBF/E RBF/V 450-4	56	68	76	78	79	79	71	63
RBF/E RBF/V 450-6	45	57	65	67	68	68	60	52
RBF/E RBF/V 500-4	60	72	80	82	83	80	73	65
RBF/E RBF/V 500-6	50	62	70	72	73	70	63	55
RBF/E RBF/V 630-6	50	64	72	76	75	72	66	60
RBF/E RBF/V 630-8	43	57	65	69	68	65	59	53
RBF/E RBF/V 710-6	54	68	76	80	79	76	70	64
RBF/E RBF/V 710-8	46	60	68	72	71	68	62	56
RBF/E RBF/V 800-6	57	71	79	83	72	79	73	67
RBF/E RBF/V 800-8	50	64	72	76	72	72	66	60

Hz frequency band

63	125	250	500	1000	2000	4000	8000
2	9	15	15	18	18	11	5

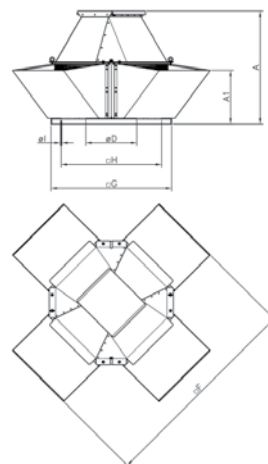
Dimensiones mm

RBF/E



	A	ØD*	F	G	H	ØI
RBF/E-280	515	250	460	450	360	12
RBF/E-315	540	250	460	450	360	12
RBF/E-355	610	355	565	560	450	12
RBF/E-400	665	355	565	560	450	12
RBF/E-450	720	500	735	710	590	12
RBF/E-500	755	500	735	710	590	12
RBF/E-630	845	630	890	900	750	14
RBF/E-710	995	710	1110	1100	900	14
RBF/E-800	1065	710	1110	1100	900	14

RBF/V



	A	A1	ØD*	F	G	H	ØI
RBF/V-280	515	235	250	800	450	360	12
RBF/V-315	540	235	250	800	450	360	12
RBF/V-355	610	305	355	1045	560	450	12
RBF/V-400	665	305	355	1045	560	450	12
RBF/V-450	720	340	500	1255	710	590	12
RBF/V-500	755	340	500	1255	710	590	12
RBF/V-630	845	400	630	1550	900	750	14
RBF/V-710	995	455	710	1875	1100	900	14
RBF/V-800	1065	455	710	1875	1100	900	14

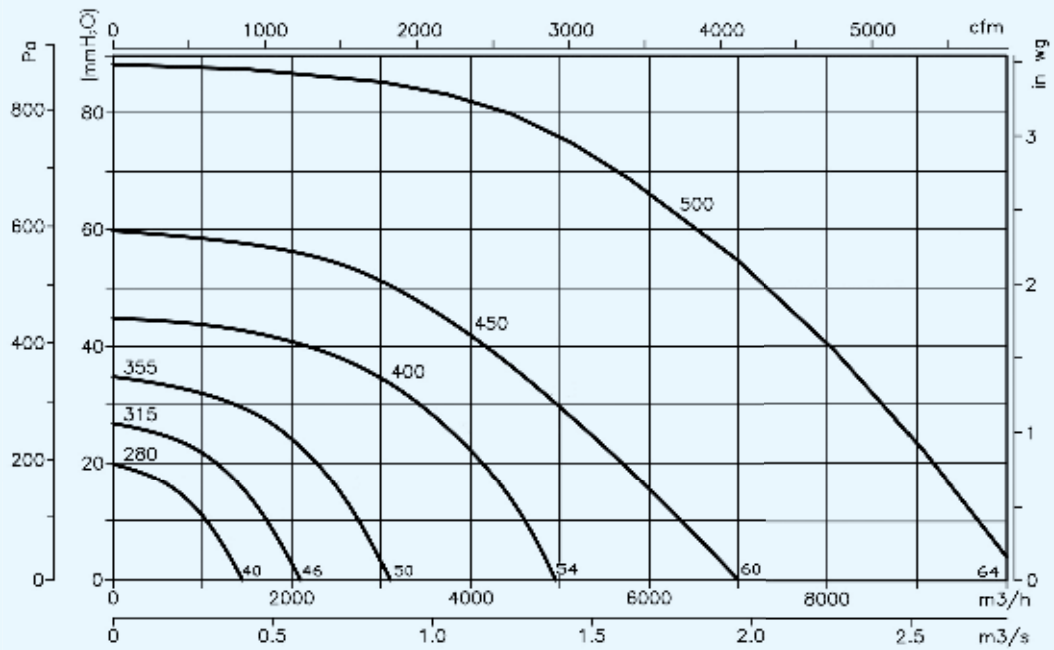
* Recommended nominal diameter for duct

Characteristic curves

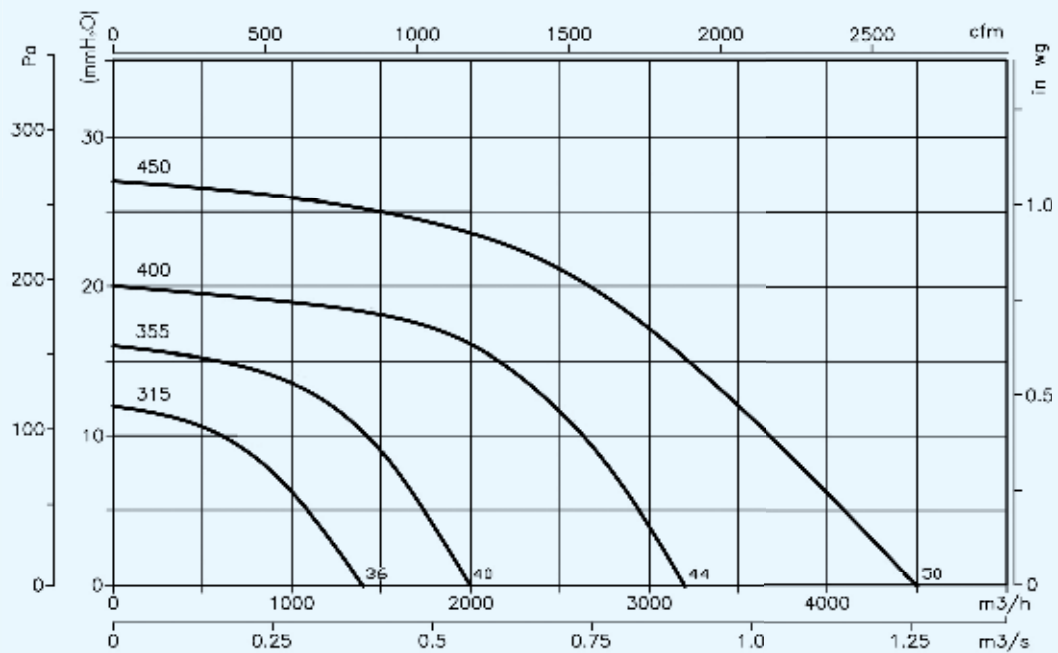
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

4T=1500 r/min



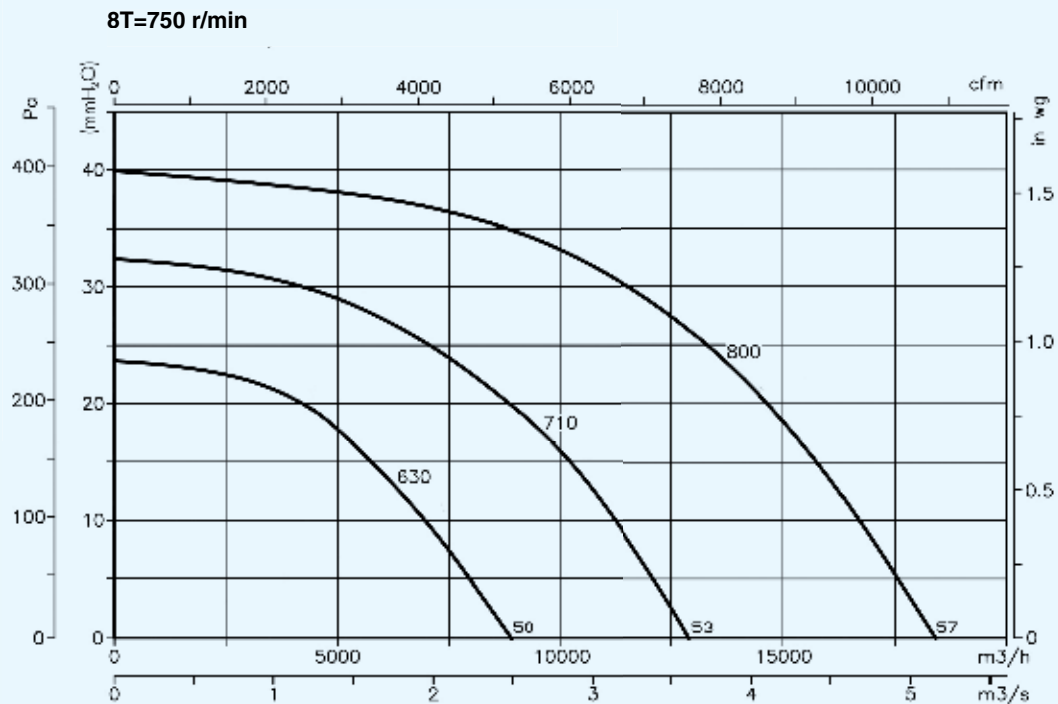
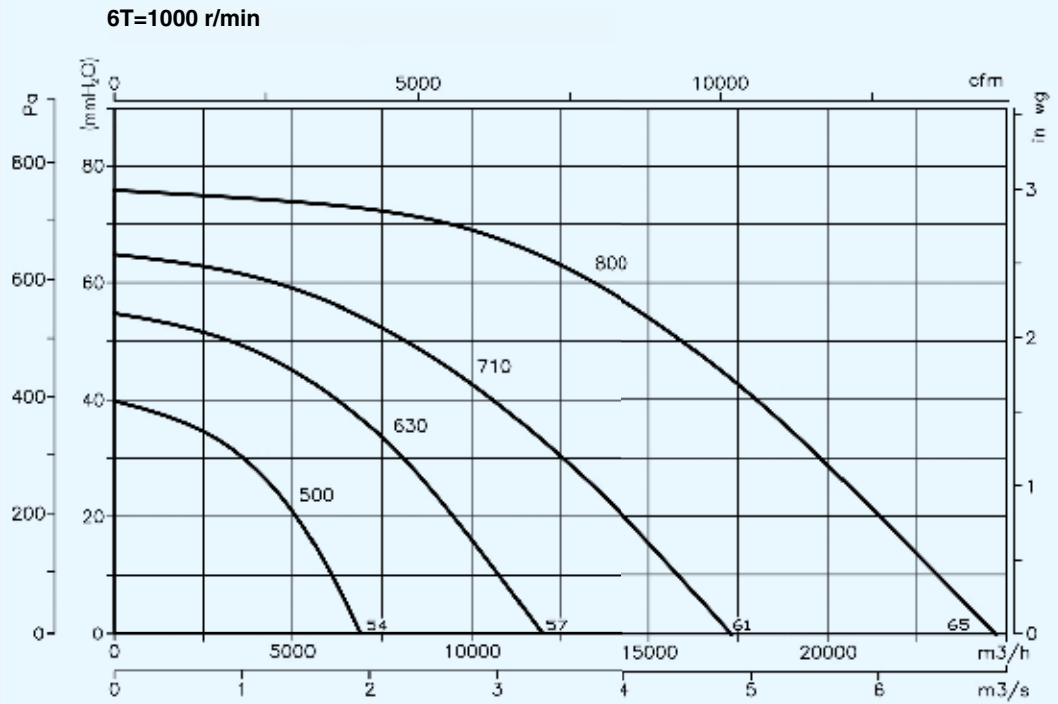
6T=1000 r/min



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.



XRF

XRF: Axial roof fans with flat base

Axial roof fans with plastic fibreglass-reinforced impeller, with a flat base to mount on the roof.



Fan:

- Sheet steel base plate.
- Impellers in polyamide 6 reinforced with fibre glass
- Bird guard
- Sheet steel rain deflector hood with anticorrosive protection, except models 80,90,100 which come in polyester
- Airflow direction from motor to impeller

Motor:

- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with ball bearings and IP55 protection, except single-phase versions from size 45 to size 63, IP54 protection.
- Single-phase 220-240V-50Hz. and three-phase 220-240V/380-415V-50Hz. (up to 5.5CV) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -25°C+ 60°C

Finish:

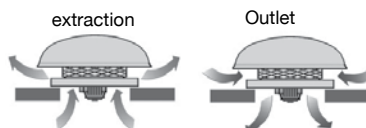
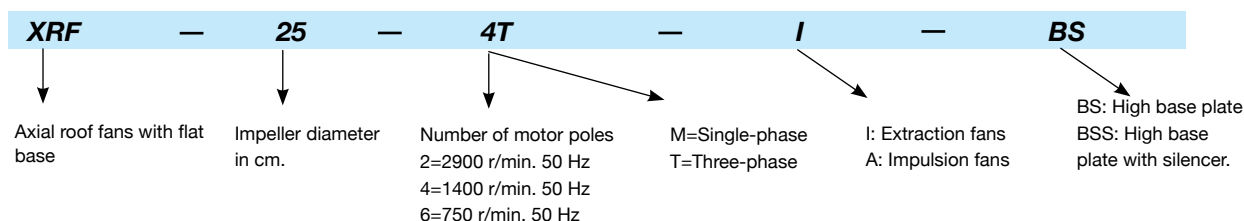
- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Possibility of supply as IMPULSION FANS
- AL version cast aluminium impellers.
- Special windings for different voltages
- ATEX certification, Category 2



Order code



Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Outlet	
XRF-25-4T	1320	0.65	0.38		0.09	1080	41	40	12.5
XRF-25-4M	1380	0.65			0.10	1080	41	40	12.5
XRF-31-4T	1320	0.65	0.38		0.09	1800	47	46	13.3
XRF-31-4M	1370	0.83			0.09	1800	47	46	13.5
XRF-35-4T	1320	0.65	0.38		0.09	2600	48	47	17.5
XRF-35-4M	1370	0.83			0.09	2600	48	47	17.5
XRF-40-4T	1350	1.66	0.96		0.25	4600	51	50	21.0
XRF-40-4M	1370	2.00			0.25	4600	51	50	21.0
XRF-45-4T	1370	2.02	1.17		0.37	6500	55	53	29.0
XRF-45-4M	1400	2.76			0.37	6500	55	54	30.5
XRF-50-4T	1380	2.92	1.69		0.55	8500	59	57	36.0
XRF-50-4M	1350	4.40			0.55	8500	59	57	39.0
XRF-56-4T	1410	3.10	1.79		0.75	9800	61	57	35.0
XRF-56-4M	1410	5.05			0.75	9800	61	57	37.0
XRF-56-6T	900	1.51	0.87		0.25	6600	48	46	46.0
XRF-56-6M	900	2.07			0.25	6600	48	46	46.0
XRF-63-4T	1400	4.03	2.32		1.10	14000	63	59	65.8
XRF-63-6T	900	2.24	1.30		0.37	9200	52	49	61.8
XRF-63-6M	900	2.69			0.37	9200	52	49	61.8
XRF-71-4T	1430	5.96	3.44		1.50	18000	69	67	64.0
XRF-71-6T	900	2.99	1.73		0.55	12200	58	56	64.9

Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Outlet	
XRF-71-6M	900	3.84			0.55	12200	58	56	64.9
XRF-80-4T	1445	8.36	4.83		2.20	26200	73	70	87.8
XRF-80-6T	945	4.88	2.82		1.10	18000	64	61	81.8
XRF-90-4T	1445	10.96	6.33		3.00	31500	77	74	94.0
XRF-90-6T	955	6.42	3.71		1.50	21200	68	65	91.0
XRF-100-4T-7.5	1440		11.60	6.72	5.50	37000	80	77	114.0
XRF-100-4T-10	1455		14.20	8.20	7.50	44000	84	81	125.0
XRF-100-6T-2	955	6.42	3.71		1.50	25000	71	68	102.0
XRF-100-6T-3	955	9.30	5.30		2.20	28200	75	72	106.0
XRF-100-8T-1.5	705	5.63	3.25		1.10	19050	64	61	103.0
XRF-100-8T-2	705	7.10	4.10		1.50	21100	66	63	114.0

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH ₂ O)	(RPM)
XRF-25-4T	-	-	-	-	-	-	0.099	586	3.45	1358
XRF-25-4M	-	-	-	-	-	-	0.102	566	3.59	1386
XRF-31-4T	-	-	-	-	-	-	0.103	1013	4.06	1397
XRF-31-4M	-	-	-	-	-	-	0.111	1004	4.09	1418
XRF-35-4T	A	S	NO	1.00	27.4%	39.3	0.128	1857	6.94	1400
XRF-35-4M	A	S	NO	1.00	25.6%	37.4	0.137	1851	6.96	1425
XRF-40-4T	A	S	NO	1.00	32.0%	41.7	0.289	3401	10.00	1396
XRF-40-4M	A	S	NO	1.00	28.2%	37.5	0.329	3332	10.23	1401
XRF-45-4T	A	S	NO	1.00	33.4%	41.8	0.475	4228	13.80	1392
XRF-45-4M	A	S	NO	1.00	29.6%	37.6	0.538	4257	13.73	1410
XRF-50-4T	A	S	NO	1.00	29.5%	37.0	0.649	3716	18.91	1406
XRF-50-4M	A	S	NO	1.00	28.6%	36.0	0.668	3673	19.10	1422
XRF-56-4T	A	S	NO	1.00	33.2%	40.3	0.759	6599	14.03	1423
XRF-56-4M	A	S	NO	1.00	31.4%	38.4	0.796	6344	14.48	1435
XRF-56-6T	A	S	NO	1.00	31.4%	41.7	0.237	3564	7.69	919
XRF-56-6M	A	S	NO	1.00	26.6%	36.3	0.293	4104	6.98	933
XRF-63-4T	C	S	NO	1.00	45.3%	51.1	1.179	10593	18.50	1412
XRF-63-6T	C	S	NO	1.00	32.7%	41.1	0.474	6417	8.88	921
XRF-63-6M	C	S	NO	1.00	32.2%	40.6	0.482	6339	8.99	915
XRF-71-4T	C	S	NO	1.00	50.1%	55.3	1.508	13256	20.95	1442
XRF-71-6T	C	S	NO	1.00	35.7%	43.0	0.710	8036	11.60	913
XRF-71-6M	C	S	NO	1.00	33.6%	40.7	0.755	7945	11.73	908
XRF-80-4T	C	S	NO	1.00	56.7%	60.7	2.309	16178	29.73	1451
XRF-80-6T	C	S	NO	1.00	46.7%	52.1	1.380	15312	15.45	946
XRF-90-4T	C	S	NO	1.00	58.1%	61.1	3.362	20308	35.36	1447
XRF-90-6T	C	S	NO	1.00	50.9%	55.7	1.777	18106	18.37	957
XRF-100-4T-7.5	C	S	NO	1.00	51.0%	52.4	5.965	27281	40.95	1443
XRF-100-4T-10	C	S	NO	1.00	47.5%	48.1	7.982	36164	38.48	1458
XRF-100-6T-2	C	S	NO	1.00	47.5%	52.5	1.619	19961	14.14	953
XRF-100-6T-3	C	S	NO	1.00	47.3%	51.1	2.461	23849	17.92	959
XRF-100-8T-1.5	C	S	NO	1.00	47.6%	52.9	1.452	19345	13.11	707
XRF-100-8T-2	C	S	NO	1.00	42.7%	47.2	1.923	20901	14.42	706

Best efficiency point data of the internal fan

Acoustic features

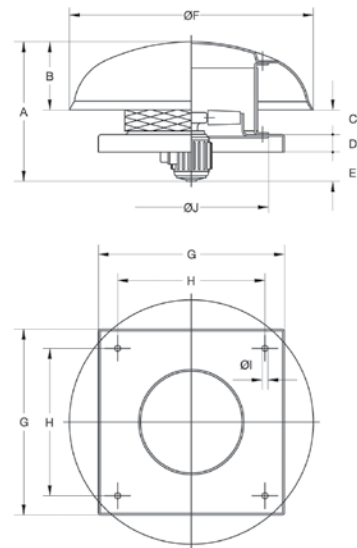
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at a distance of 6 m.

Sound power $L_w(A)$ spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
XRF-25	27	37	54	54	62	58	51	42	XRF-25	26	36	53	53	61	57	50	41
XRF-31	33	43	60	60	68	64	57	48	XRF-31	32	42	59	59	67	63	56	47
XRF-35	34	44	61	61	69	65	58	49	XRF-35	33	43	60	60	68	64	57	48
XRF-40	28	45	57	65	70	70	66	59	XRF-40	27	44	56	64	69	69	65	58
XRF-45	32	49	61	69	74	74	70	63	XRF-45	30	47	59	67	72	72	68	61
XRF-50	36	53	65	73	78	78	74	67	XRF-50	34	51	63	71	76	76	72	65
XRF-56-4	38	55	67	75	80	80	76	69	XRF-56-4	34	51	63	71	76	76	72	65
XRF-56-6	25	42	54	62	67	67	63	56	XRF-56-6	23	40	52	60	65	65	61	54
XRF-63-4	40	57	69	77	82	82	78	71	XRF-63-4	36	53	65	73	78	78	74	67
XRF-63-6	29	46	58	66	71	71	67	60	XRF-63-6	26	43	55	63	68	68	64	57
XRF-71-4	46	63	75	83	88	88	84	77	XRF-71-4	44	61	73	81	86	86	82	75
XRF-71-6	35	52	64	72	77	77	73	66	XRF-71-6	33	50	62	70	75	75	71	64
XRF-80-4	57	78	85	90	93	89	82	71	XRF-80-4	54	75	82	87	90	86	79	68
XRF-80-6	48	69	76	81	84	80	73	62	XRF-80-6	45	66	73	78	81	77	70	59
XRF-90-4	61	82	89	94	97	93	86	75	XRF-90-4	58	79	86	91	94	90	83	72
XRF-90-6	52	73	80	85	88	84	77	66	XRF-90-6	49	70	77	82	85	81	74	63
XRF-100-4-7.5	64	85	92	97	100	96	89	78	XRF-100-4-7.5	61	82	89	94	97	93	86	75
XRF-100-4-10	68	89	96	101	104	100	93	82	XRF-100-4-10	65	86	93	98	101	97	90	79
XRF-100-6-2	55	76	83	88	91	87	80	69	XRF-100-6-2	52	73	80	85	88	84	77	66
XRF-100-6-3	59	80	87	92	95	91	84	73	XRF-100-6-3	56	77	84	89	92	88	81	70
XRF-100-8-1.5	48	69	76	81	84	80	73	62	XRF-100-8-1.5	45	66	73	78	81	77	70	59
XRF-100-8-2	50	71	78	83	86	82	75	64	XRF-100-8-2	47	68	75	80	83	79	72	61

Dimensions in mm

Model	A	B	C	D	E	ØF	G	H	ØI	ØJ
XRF-25	400	176	44	40	140	620	450	360	12	346
XRF-31	423	176	67	40	140	620	500	410	12	416
XRF-35	472	228	64	40	140	770	560	450	12	486
XRF-40	478	228	82	40	128	770	630	530	12	536
XRF-45-4T	550	266	88	50	146	960	710	590	12	596
XRF-45-4M	512	266	88	50	108	960	710	590	12	596
XRF-50-4T	575	296	83	50	146	1090	800	680	12	676
XRF-50-4M	558	296	83	50	129	1090	800	680	12	676
XRF-56-4T	607	296	117	40	154	1090	900	750	14	758
XRF-56-4M	590	296	117	40	137	1090	900	750	14	758
XRF-56-6	589	296	117	40	136	1090	900	750	14	758
XRF-63-4	714	357	136	40	182	1285	1000	850	14	735
XRF-63-6	667	357	136	40	135	1285	1000	850	14	735
XRF-71-4T	740	357	166	40	178	1285	1000	850	14	815
XRF-71-6	689	357	166	40	178	1285	1000	850	14	815
XRF-80-4	840	357	244	50	189	1285	1150	1000	14	905
XRF-80-6	804	357	244	50	153	1285	1150	1000	14	905
XRF-90-4	892	440	213	50	189	1580	1150	1000	14	1020
XRF-90-6	896	440	213	50	193	1580	1150	1000	14	1020
XRF-100-4T	997	440	284	50	223	1580	1250	1100	14	1120
XRF-100-6T-2	940	440	284	50	166	1580	1250	1100	14	1120
XRF-100-6T-3	957	440	284	50	183	1580	1250	1100	14	1120
XRF-100-8T-1.5	940	440	284	50	166	1580	1250	1100	14	1120
XRF-100-8T-2	957	440	284	50	183	1580	1250	1100	14	1120

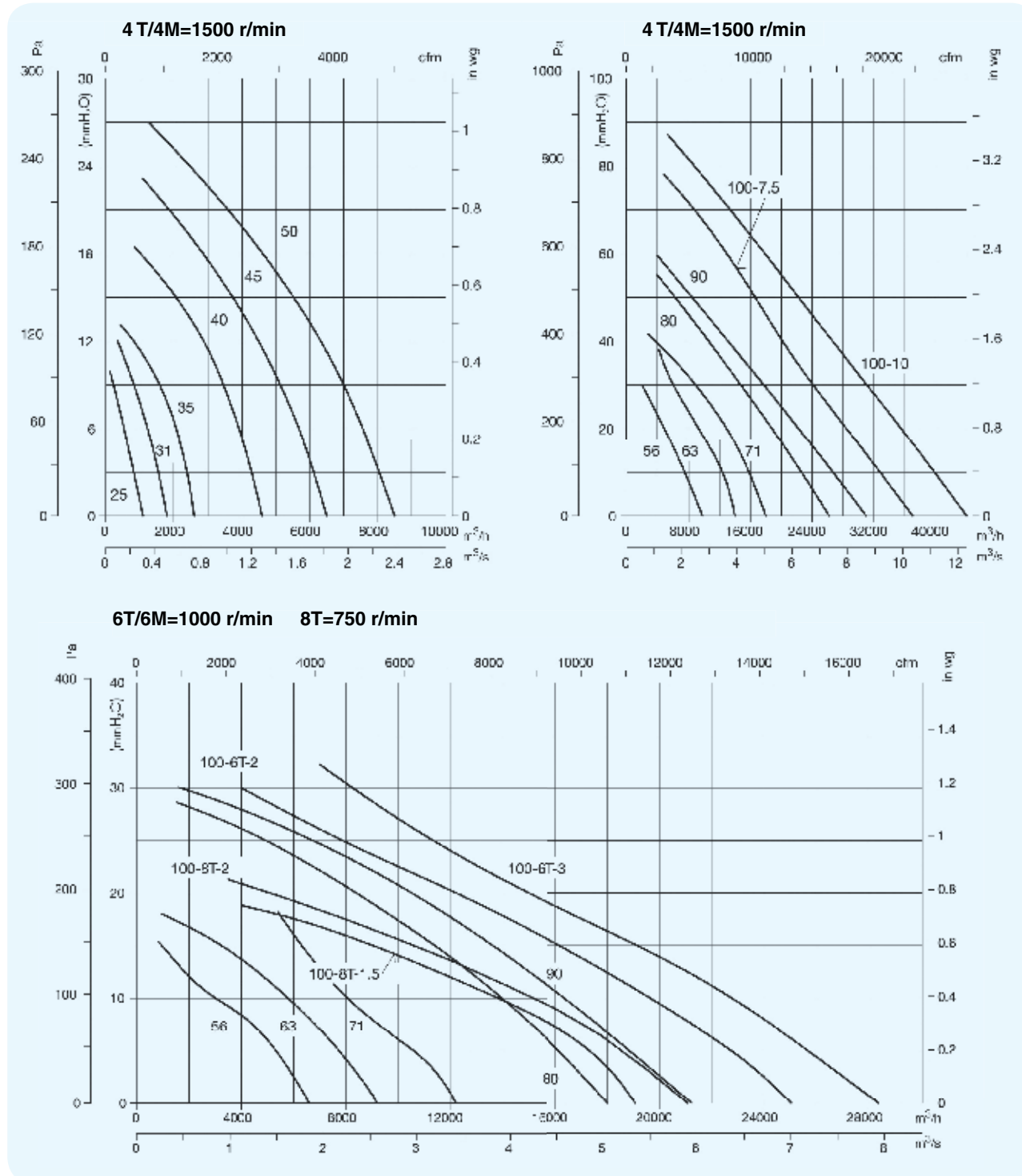




Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

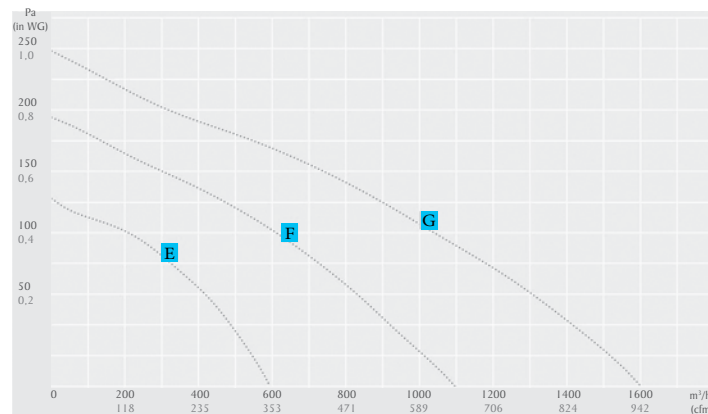
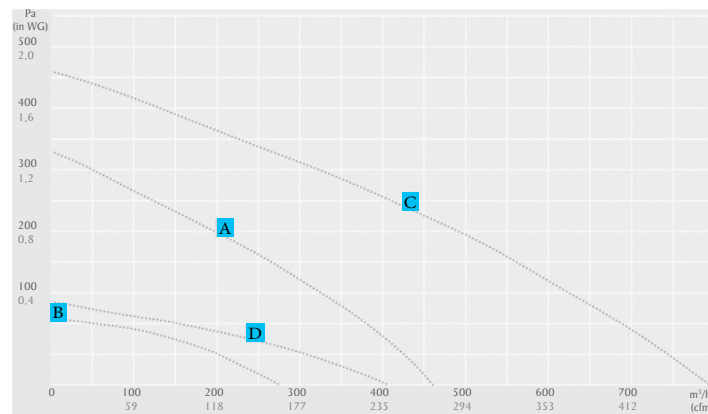
Pe = Static pressure in mmH₂O, Pa and inwg.



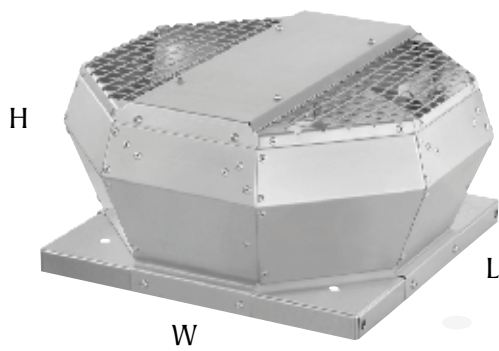
RF-N

Roof fan, vertical exhaust (metal)

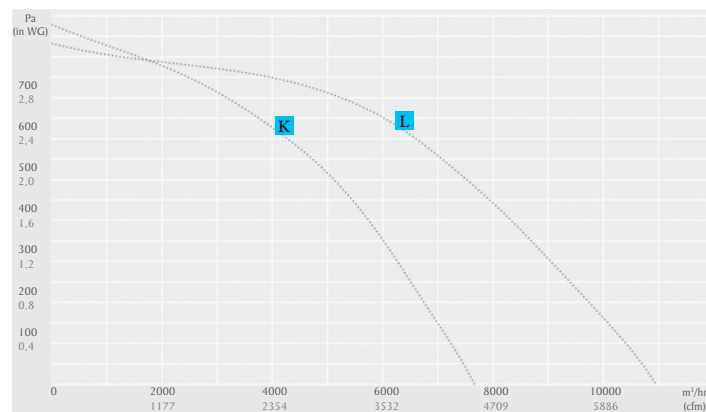
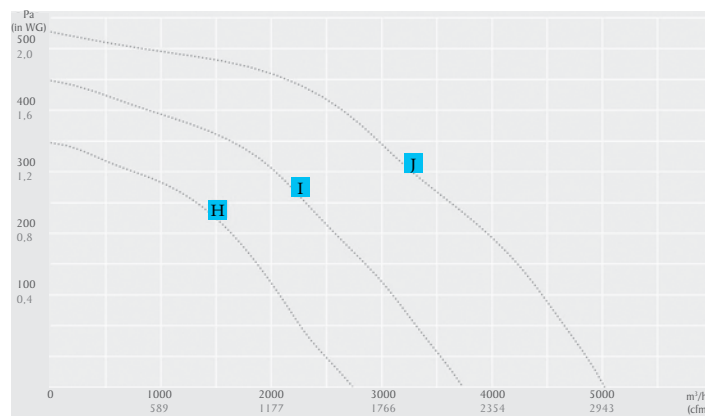
- Housing made of weatherproof Aluminium AlMg3
- Outlet side with protective grid against accidental contact
- Vertical air discharge to minimize roof soiling
- Lower noise break out than that of horizontal discharge roof fans
- Backward curved impellers for optimum efficiency rates
- Voltage-controlled air flow rate adjustment
- Built-in thermostatic switch with automatic reset
- Asynchronous three phase motors starting with size 450



Type	U_N V	f_N Hz	I_{max} A	P_N W	$\dot{V}$ cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	L_{WA2} dB(A)	t_A °C	t_M °C	Weight (lbs)	WxHxL in
A	RF-N 190 E2 30 (8")	230V ~	50	0,4 67	288 / 490	22	22	62	64		40	40	10,1	15,3 x 7,5 x 15,3
B	RF-N 190 E4 30 (8")	230V ~	50	0,2 18	165 / 280	17	16	52	55		70	70	10,8	15,3 x 7,5 x 15,3
C	RF-N 220 E2 30 (9")	230V ~	50	0,6 110	471 / 800	31	31	66	67		60	60	11,0	15,3 x 7,5 x 15,3
D	RF-N 220 E4 30 (9")	230V ~	50	0,2 21	241 / 410	23	23	50	51		80	80	11,0	15,3 x 7,5 x 15,3
E	RF-N 250 E4 30 (10")	230V ~	50	0,3 52	347 / 590	18	17	61	62		70	70	12,7	15,3 x 7,5 x 15,3
F	RF-N 280 E4 30 (11")	230V ~	50	0,4 82	647 / 1100	25	25	57	61		70	70	18,2	21,3 x 9,8 x 21,3
G	RF-N 315 E4 30 (12")	230V ~	50	0,6 114	942 / 1600	33	32	60	64		80	80	18,2	21,3 x 9,8 x 21,3
H	RF-N 355 E4 30 (14")	230V ~	50	1,3 249	1613 / 2740	45	45	64	66		45	45	41,1	29,4 x 13,1 x 29,4
I	RF-N 400 E4 30 (16")	230V ~	50	2,6 452	2201 / 3740	44	44	67	71		65	65	42,4	29,4 x 13,1 x 29,4
J	RF-N 450 D4 30 (18")	400V 3~	50	1,5 641	2955 / 5020	51	50	72	75		60	60	61,6	33,9 x 16,5 x 33,9
K	RF-N 500 D4 30 (20")	400V 3~	50	3,4 1467	4512 / 7665	51	50	80	79		55	55	77,0	33,9 x 16,5 x 33,9
L	RF-N 560 D4 30 (22")	400V 3~	50	4,8 1911	6451 / 10960	56	55	81	82		60	60	116,4	45,9 x 20,8 x 45,9



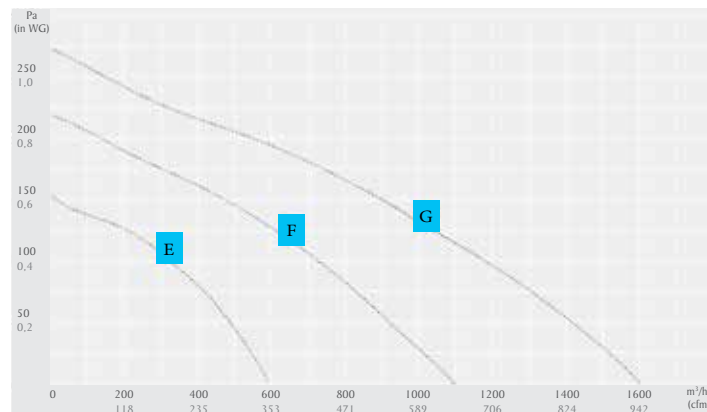
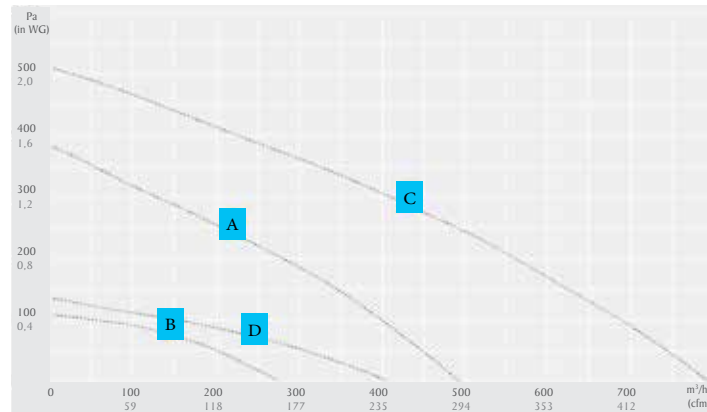
- The mounting surface must be horizontal and level
- Consider allowable roof load
- Make certain there is sufficient sealing between roof fan and roof socket
- Remove fastening screw, swing out top section and screw down base plate on to supporting surface
- Insulation Class Motor: F
- IP Complete Unit: IPX4



RF-N ... P

Roof fan, vertical exhaust, with isolator switch (metal)

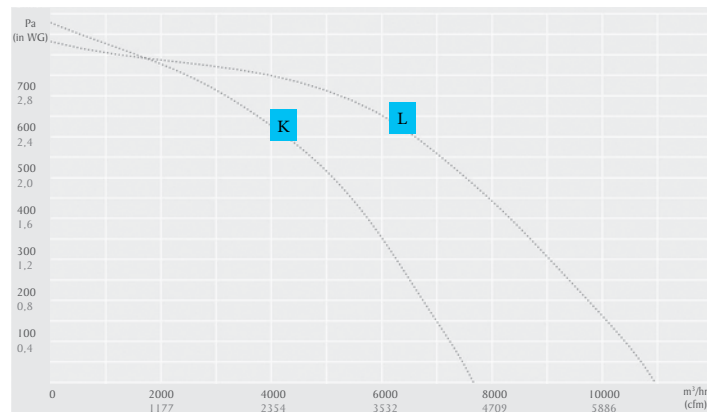
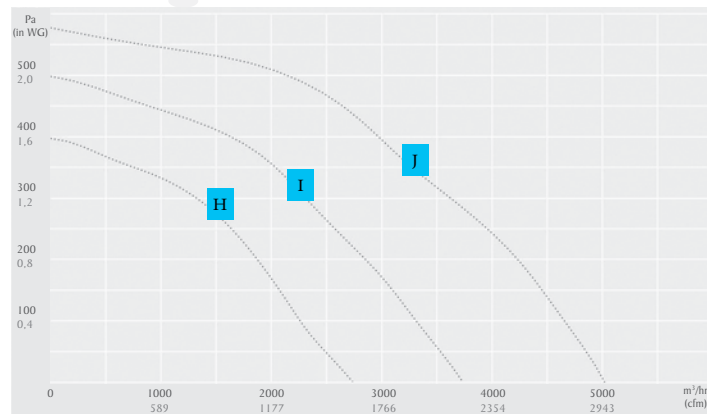
- Integrated isolator switch for simplified electric connection
 - Housing made of weatherproof Aluminium AlMg3
 - Outlet side with protective grid against accidental contact
 - Vertical air discharge to minimize roof soiling
 - Lower noise break out than that of horizontal discharge
- roof fans
 - Backward curved impellers for optimum efficiency rates
 - Voltage-controlled air flow rate adjustment
 - Built-in thermostatic switch with automatic reset
 - Asynchronous three phase motors starting with size 450



Type	U _N V	f _N Hz	I _{max.} A	P _N W	ṽ cfm / m³/h	η _t %	η _{st} %	L _{WA5} dB(A)	L _{WA6} dB(A)	t _A °C	t _M °C	Weight (lbs)	WxHxL in
A RF-N 190 E2P 30 (8")	230V ~	50	0,4	67	288 / 490	22	22	62	64	40	40	10,1	15,3 x 7,5 x 15,3
B RF-N 190 E4P 30 (8")	230V ~	50	0,2	18	165 / 280	17	16	52	55	70	70	11,0	15,3 x 7,5 x 15,3
C RF-N 220 E2P 30 (9")	230V ~	50	0,6	110	471 / 800	31	31	66	67	60	60	11,0	15,3 x 7,5 x 15,3
D RF-N 220 E4P 30 (9")	230V ~	50	0,2	21	241 / 410	23	23	50	51	80	80	11,0	15,3 x 7,5 x 15,3
E RF-N 250 E4P 30 (10")	230V ~	50	0,3	52	347 / 590	18	17	61	62	70	70	12,2	15,3 x 7,5 x 15,3
F RF-N 280 E4P 30 (11")	230V ~	50	0,4	82	647 / 1100	25	25	57	61	70	70	18,0	21,3 x 9,8 x 21,3
G RF-N 315 E4P 30 (12")	230V ~	50	0,6	114	942 / 1600	33	32	60	64	80	80	18,2	21,3 x 9,8 x 21,3
H RF-N 355 E4P 30 (14")	230V ~	50	1,3	249	1613 / 2740	45	45	64	66	45	45	42,2	29,4 x 13,1 x 29,4
I RF-N 400 E4P 30 (16")	230V ~	50	2,6	452	2201 / 3740	44	44	67	71	65	65	42,9	29,4 x 13,1 x 29,4
J RF-N 450 D4P 30 (18")	400V 3~	50	1,5	641	2955 / 5020	51	50	72	75	60	60	63,8	33,9 x 16,5 x 33,9
K RF-N 500 D4P 30 (20")	400V 3~	50	3,4	1467	4512 / 7665	51	50	80	79	55	55	67,1	33,9 x 16,5 x 33,9
L RF-N 560 D4P 30 (22")	400V 3~	50	4,8	1911	6451 / 10960	56	55	81	82	60	60	118,6	45,9 x 20,8 x 45,9



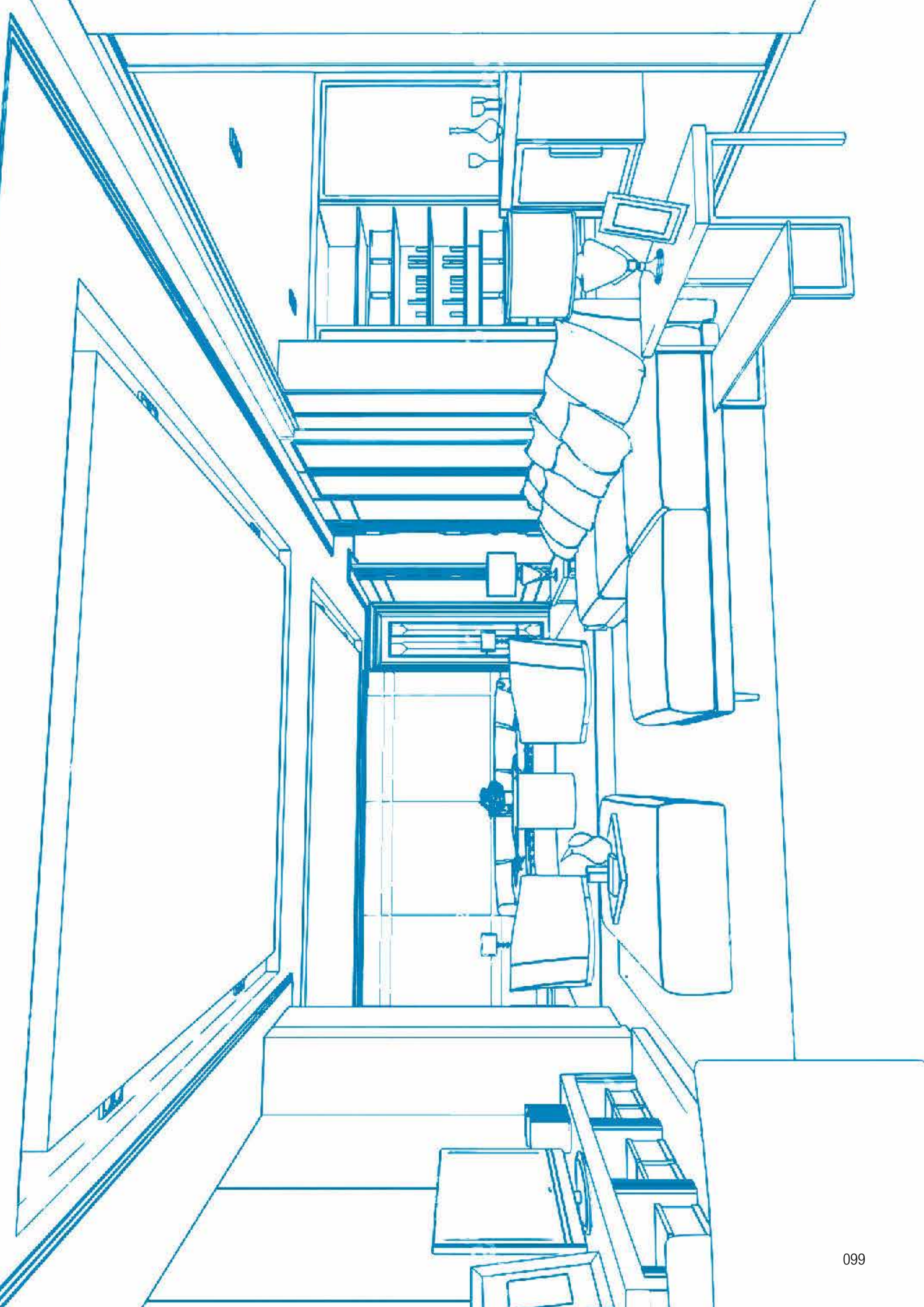
- The mounting surface must be horizontal and level
- Consider allowable roof load
- Make certain there is sufficient sealing between roof fan and roof socket
- Remove fastening screw, swing out top section and screw down base plate on to supporting surface
- Insulation Class Motor: F
- IP Complete Unit: IPX4






EURO Ventus®
★★★★★

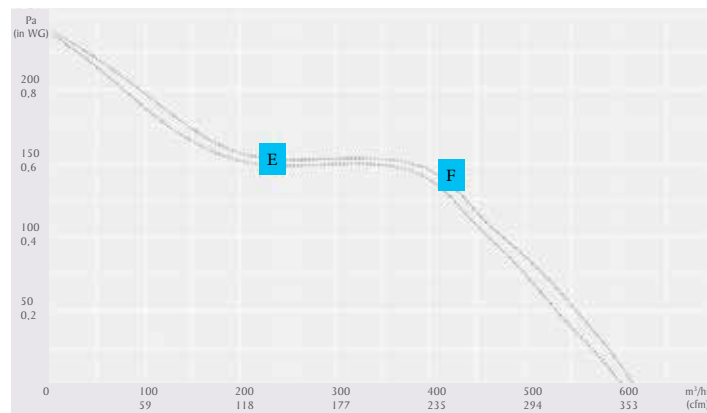
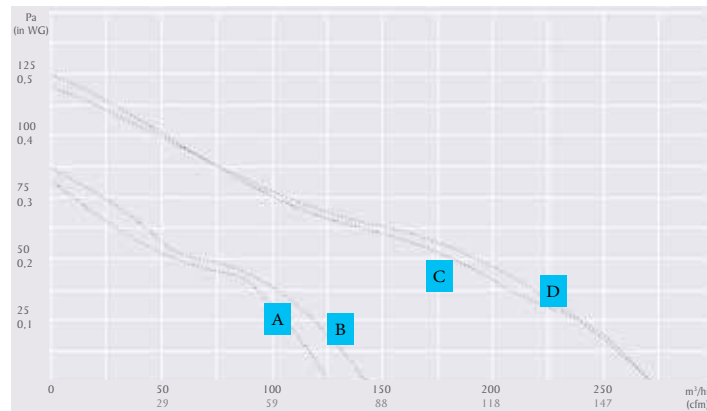
INLINE FANS



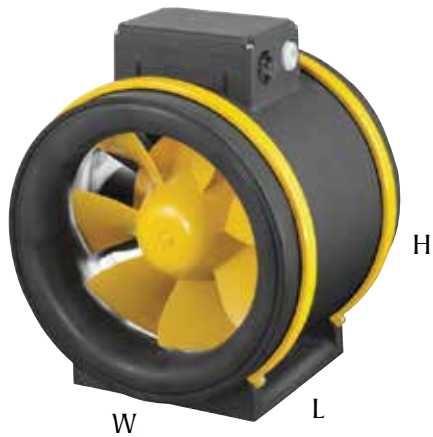
EUROMASTER

Highest efficiency, three speed levels

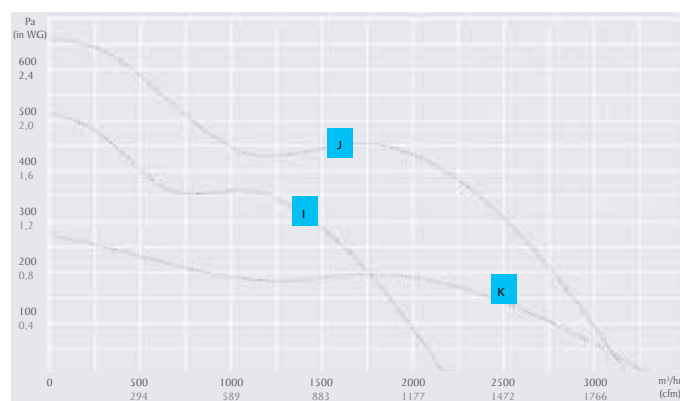
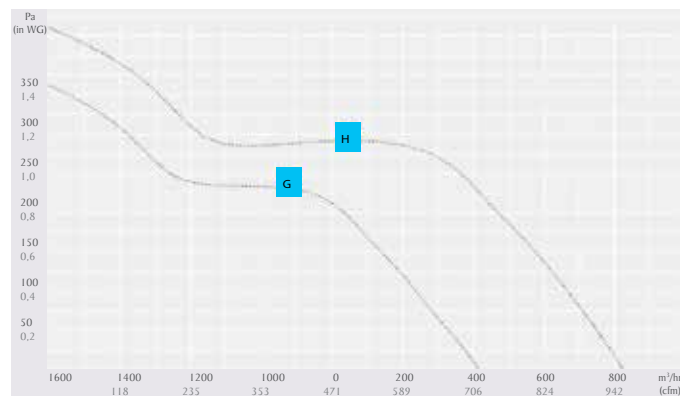
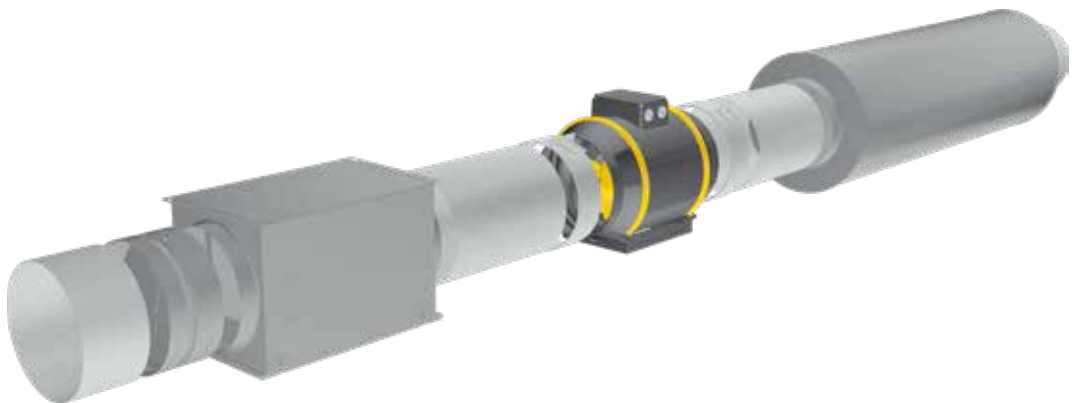
- Energy saving fan with highest aerodynamic efficiency
- Corrosion and weather-resistant plastic housing
- 3 speed steps selectable through external step switch
- Built-in thermostatic switch with automatic reset
- Appealing design suitable for visible installation
- Compact construction and reduced weight for an easy installation
- Plastic blades
- Diagonal fan with plastic, three-dimensionally shaped rotor and stator blades



Type	U _N V	f _N Hz	I _{max} A	P _N W	ṽ cfm / m³/h	η _t %	η _{st} %	L _{WA5} dB(A)	L _{WA6} dB(A)	L _{WA2} dB(A)	t _a °C	t _m °C	Weight (lbs)	WxHxL in
A EM 100L E2 01 (4")	230V ~	50	0,2	14	74 / 125						60	60		
B EM 125 E2 01 (5")	230V ~	50	0,2	14	82 / 140						60	60		
C EM 125L E2 01 (5")	230V ~	50	0,3	31	159 / 270						40	40		
D EM 150 E2 01 (6")	230V ~	50	0,3	28	159 / 270						40	40		
E EM 150L E2M 01 (6")	230V ~	50	0,3	46	353 / 600	37	31	69	67	57	60	60	5,3	8 x 9,4 x 12,2
F EM 160L E2M 01 (6")	230V ~	50	0,3	45	362 / 615	38	34	66	66	57	60	60	5,5	8 x 9,4 x 11,4
G EM 200 E2M 01 (8")	230V ~	50	0,6	117	718 / 1220	46	41	72	74	59	60	60	8,8	9,7 x 11 x 12,8
H EM 250 E2M 01 (10")	230V ~	50	0,8	170	956 / 1625	50	47	75	78	61	50	50	12,6	10,4 x 11,8 x 8,5
I EM 280 E2M 01 (11")	230V ~	50	1,1	239	1277 / 2170	53	50	77	80	63	60	60	17,0	11,5 x 12,9 x 11
J EM 315 E2M 01 (12")	230V ~	50	2,1	436	1872 / 3180	56	53	82	84	68	55	55	27,3	12,9 x 14,2 x 11,8
K EM 400 E4M 01 (16")	230V ~	50	1,0	211	1942 / 3300	51	47	71	75	57	60	60	34,6	16,2 x 17,2 x 13,8



- Variable installation in horizontal or vertical position
- Direct in-line installation
- Integrated mounting bracket for easy fan installation
- By releasing the mounting brackets, the wiring box can be oriented to best suit the application
- Insulation Class Motor: F
- IP Complete Unit: IPX4



EV-S

AXIAL EXTRACT FANS



DESCRIPTION

Duct fan EV-S is used for pumping and exhaust air ducts. Duct fan EV-S are ideal for air extraction in bathrooms and others spaces. Small dimensions fan EV-S easy installation in hard to reach places where space is limit

Material:

- housing: polypropylene plastic
- impeller: ABS

Ingress protection: IP44 (for EV-S-100-130: IPX2)

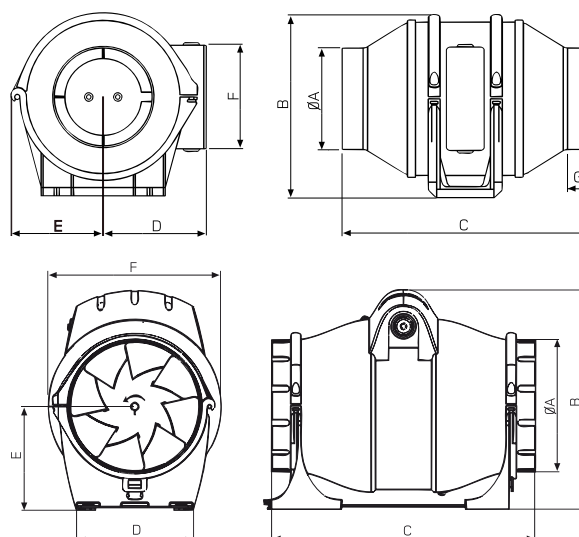
Insulation class: B (not in EV-S-100-130)

Example identification

Product code: **EV-S** - **aaa**

type
ØA

DIMENSIONS

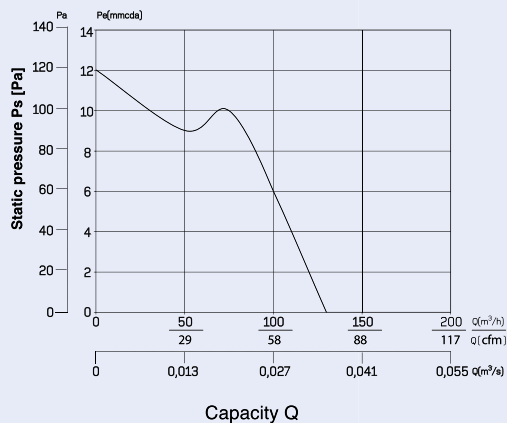


Type	ØA [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
EV-S-100/130	98	177	238	100	89	100	20
EV-S-100/270	98	230	310	130	115	170	20
EV-S-125/320	122	217	262	100	100	168	21
EV-S-150/560	147	244	293	130	115	192	21
EV-S-160/560	157	244	313	130	115	192	21
EV-S-200/910	197	278	354	142	140	230	52

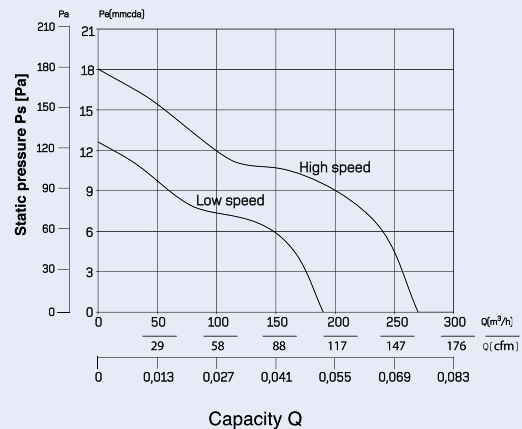
Type	Air Flow		Input Power [W]	Current [A]	Speed [obr/min]	Voltage [V]	Noise level [dB]
	[m ³ /h]	[cfm]					
EV-S-100/130	130	76	25	0,16	2200	230	24
EV-S-100/270	270/190	158/111	30/18	0,18/0,10	2300/1700	230	30/24
EV-S-125/320	365/250	214/147	30/18	0,18/0,10	2300/1700	230	32/26
EV-S-150/560	595/420	350/247	80/60	0,36/0,27	2700/2000	230	33/27
EV-S-160/560	595/425	350/250	80/60	0,36/0,27	2700/2000	230	33/27
EV-S-200/910	910/820/720	535/482/423	85/65/55	0,34/0,27/0,24	2700/2000/1800	230	39/34/32

Performance Curves

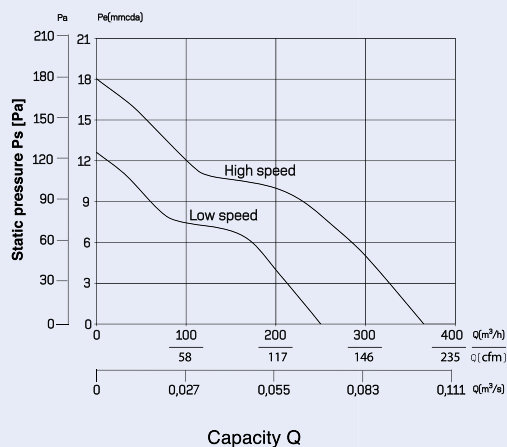
Fan flow curves **EV-S-100-130**



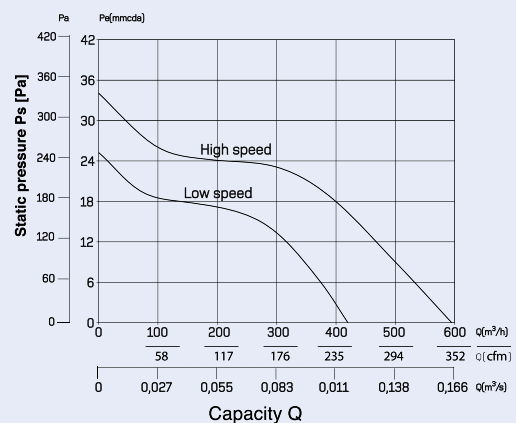
Fan flow curves **EV-S-100-270**



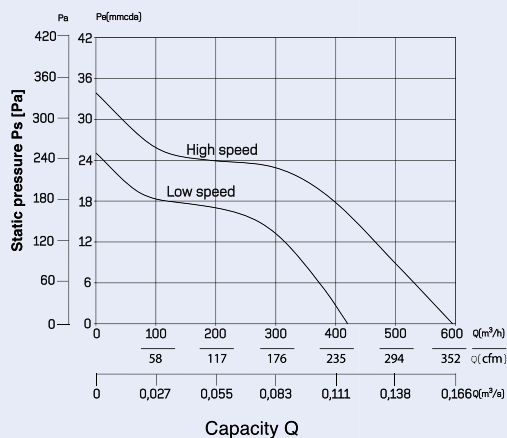
Fan flow curves **EV-S-125-320**



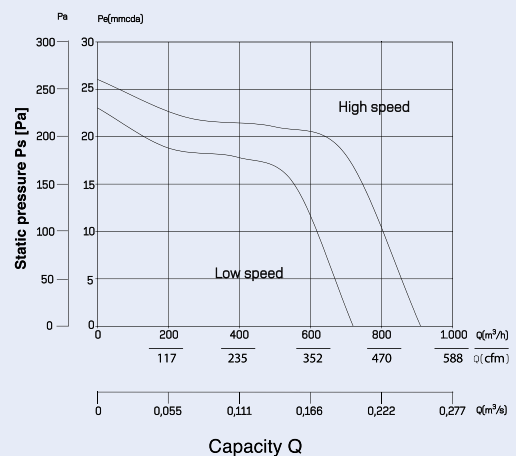
Fan flow curves **EV-S-150-560**



Fan flow curves **EV-S-160-560**



Fan flow curves **EV-S-200-910**



EVS-EXTRA range

Silent Extra Mixed Flow in Line
Duct Fan



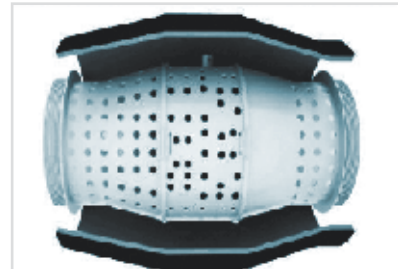
Details Show



Low-profile fan body with beautiful lines.



High performance hydromechanical fan blades.



Ultra quiet design with two-layer sound absorbent and sound wave holes.



Special design of joint to facilitate installation and dismounting; Double diameter connection.



Backdraft damper designed; inside to prevent insects.



Easy installation and maintenance.

Description

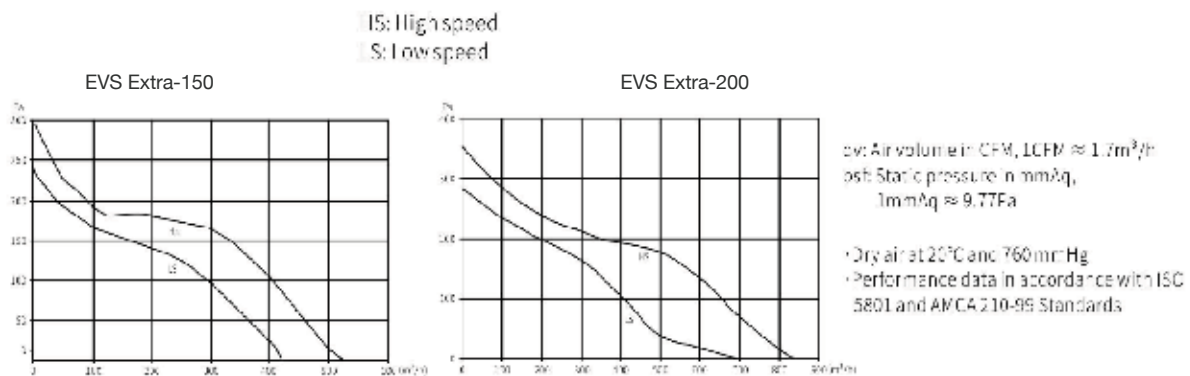
- Fan body is made of environmental protection material with beautiful lines and lightweight, double insulation.
- Fan blade is designed according to hydromechanical principle to reach the optimal airflow and air pressure, high efficiency working, low energy consumption and low noise.
- Fan inside produced with two-layer sound absorbent and sound wave holes, to reduce noise level.
- Double diameter connection, sealing-up, leak-proof and shockproof.
- Back draft damper designed inside, to prevent return air and insects.
- Special design of joint to facilitate installation and dismounting; Easy installation and maintenance.
- Outer rotor motor inside, with Japanese brand NMB ball bearing, long working life over 50,000 hours.
- Protection class: IP44.
- Can be designed with user friendly features such as time delay, temperature sense, humidity sensor or other customized functions,
- Operating temperature range: -20°C~60°C.
- This series fans offers solution to ventilation problems, especially in places where people work and live and low sound level is required, such as meeting room, office, hotel, public place, residence, hospital, gym and etc.

Performance parameter

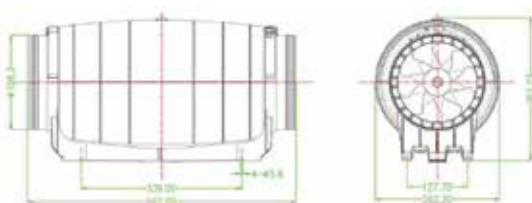
Model	Speed	Voltage/ Frequency	Current (Amps)	Power (W)	Rotate Speed (RPM)	Air Flow		Air Pressure		Avg.dBA@3m (db)	Weight (kgs)
						(m ³ /h)	(CFM)	(Pa)	(mmAq)		
EVS Extra-150	High	220-240v/ 50H	0.25	50	2550	530	312	300	31	31	4.0
	Low		0.20	43	1850	410	214	240	25	26	
	High	100-120v/ 60Hz	0.55	62	2550	530	312	300	31	31	
	Low		0.47	51	1850	410	241	240	25	26	

Model	Speed	Voltage/ Frequency	Current (Amps)	Power (W)	Rotate Speed (RPM)	Air Flow		Air Pressure		Avg.dBA@3m (db)	Weight (kgs)
						(m ³ /h)	(CFM)	(Pa)	(mmAq)		
EVS Extra-200	High	220-240v/ 50Hz	0.57	128	2450	840	495	352	36	35	4.9
	Low		0.52	123	1950	690	406	274	28	29	
	High	100-120v/ 60Hz	1.41	162	2450	840	495	352	36	35	
	Low		1.27	146	1950	690	406	274	28	29	

Performance Curves



Dimensions (mm)

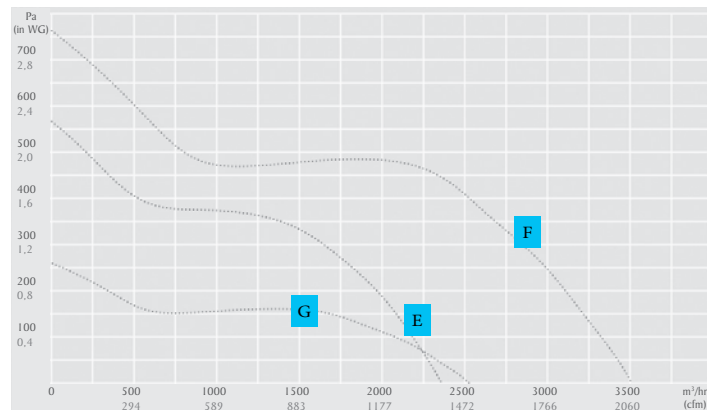
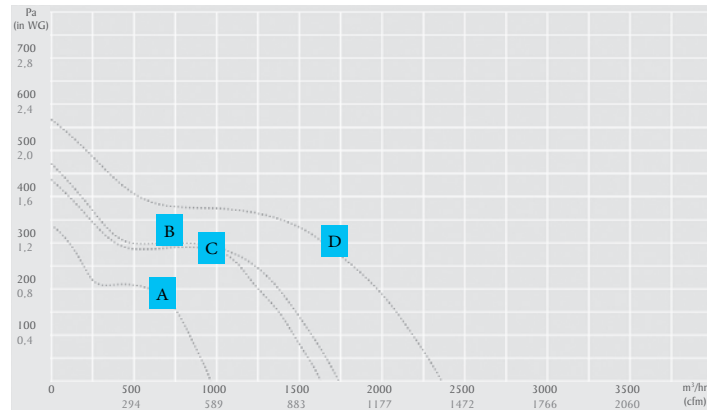


Model	X	A	øB	øD	E	F	G
EVS- Extra-150	244	488	221	14/158	95	251	352
EVS- Extra-200	310	567	262	198	128	339	436

EL-E

High efficiency, voltage controllable

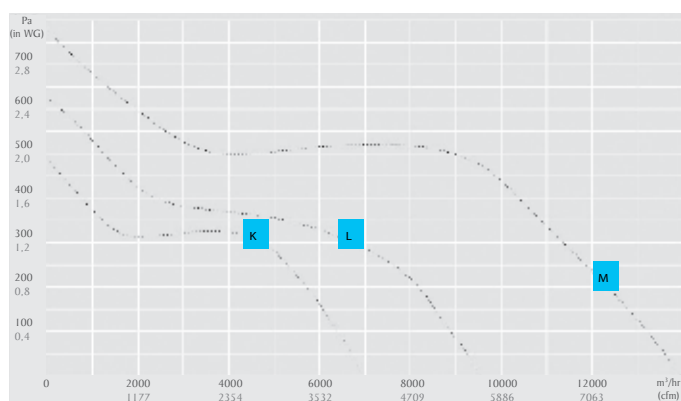
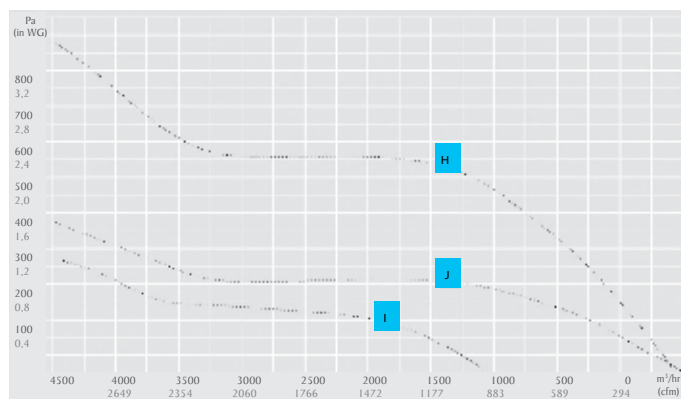
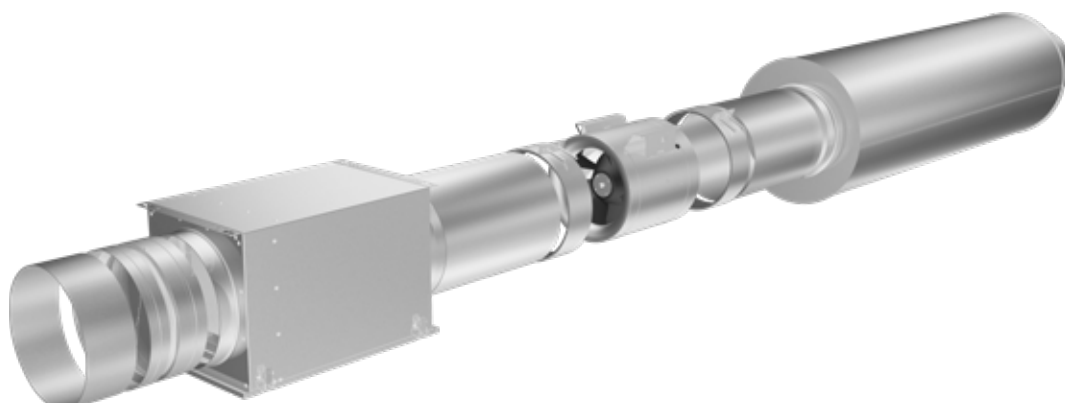
- Energy saving fan with high aerodynamic efficiency
- Considerably reduces losses in installation
- Speed control via external step transformer
- Voltage-controlled air flow rate adjustment
- Built-in thermostatic switch
- Extremely compact and weight optimized fan
- Plastic or aluminium blades (PL or AL)
- Diagonal fan with plastic or aluminium, three-dimensionally shaped rotor and stator blades (PL or AL)



		U _N	f _N	I _{max}	P _N	V	η _t	η _{st}	L _{WA5}	L _{WA6}	L _{WA2}	t _a	t _m		ØDxL
Type		V	Hz	A	W	cfm / m³/h	%	%	dB(A)	dB(A)	dB(A)	°C	°C	Weight (lbs)	in
A	EL-PL 200 E2 01 (8")	230V ~	50	0,5	100	542 / 920	37	33	72	76	60	45	45	6,4	7,9 x 8,9
B	EL-PL 250 E2 06 (10")	230V ~	50	0,8	160	956 / 1625	51	47	70	74	49	50	50	11,9	9,8 x 8,5
C	EL-PL 250 E2 01 (10")	230V ~	50	1,0	180	1024 / 1740	49	45	72	78	54	55	55	14,0	9,8 x 10,9
D	EL-PL 280 E2 02 (11")	230V ~	50	1,6	270	1389 / 2360	55	51	75	79	58	55	55	18,3	11,1 x 12,1
E	EL-PL 315 E2 03 (12")	230V ~	50	1,6	270	1389 / 2360	55	51	75	79	58	55	55	18,4	12,4 x 12,1
F	EL-PL 315 E2 01 (12")	230V ~	50	3,2	530	2066 / 3510	57	53	76	81	61	70	70	31,1	12,4 x 13,8
G	EL-PL 355 E4 01 (14")	230V ~	50	1,0	150	1519 / 2580	51	46	64	67	48	80	80	29,7	13,9 x 15,6
H	EL-PL 355 E2 01 (14")	230V ~	50	5,4	960	2908 / 4940	55	51	79	83	63	45	45	38,1	13,9 x 15,6
I	EL-AL 400 E4 01 (16")	230V ~	50	1,5	215	2025 / 3440	51	46	70	75	61	80	80	28,2	15,9 x 16,4
J	EL-AL 450 E4 01 (18")	230V ~	50	3,1	454	3067 / 5210	55	50	72	77	66	80	80	40,5	17,8 x 18,4
K	EL-AL 500 E4 01 (20")	230V ~	50	4,2	740	4091 / 6950	52	48	75	77	68	80	80	51,0	19,8 x 20,3
L	EL-AL 560 E4 01 (22")	230V ~	50	7,6	1120	5621 / 9550	54	50	83	87	79	80	80	83,6	22,2 x 22,9
M	EL-AL 630 E4 01 (25")	230V ~	50	11,4	2140	8205 / 13940	60	55	84	86	77	50	50	94,8	25,0 x 25,7



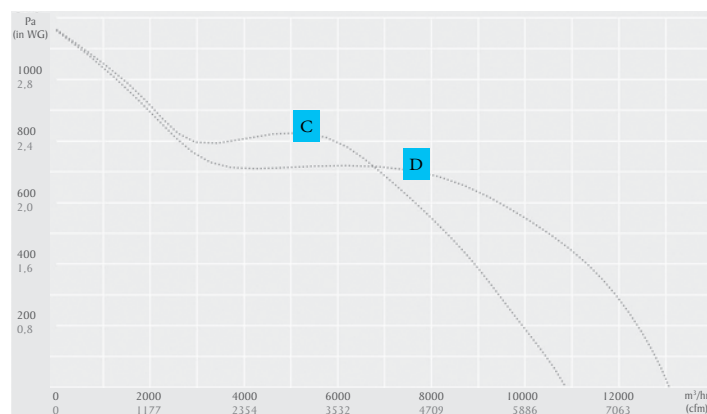
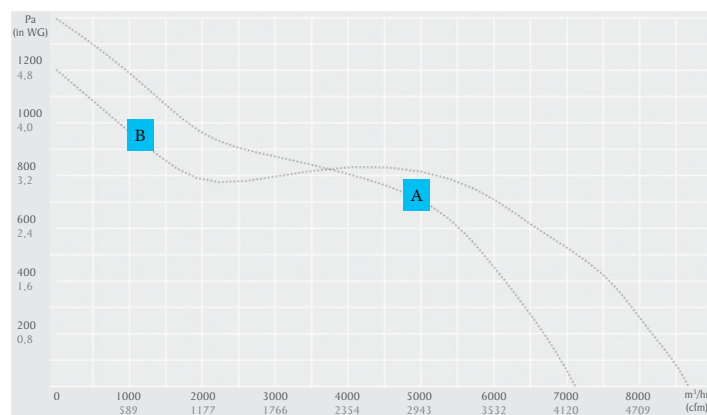
- Variable installation in horizontal or vertical position
- Direct in-line installation
- Integrated mounting bracket for easy fan installation
- For mounting, we recommend using cushioned clamps to reduce noise transmission into the ducting system
- Insulation Class Motor: F
- IP Complete Unit: IPX4



EL-EC

High efficiency, with EC Motor

- Highest energy efficiency through electronically commutated permanent magnet motors
- Considerably reduces losses in installation
- Can be combined with the constant pressure control CON P1000
- Additional energy savings by steplessly adjusting the air flow volume to the actual demand
- The fans can be connected to a superordinate control system
- Extremely compact and weight optimized fan
- Aluminium blades (AL)
- Diagonal fan with aluminium, three-dimensionally shaped rotor and stator blades (AL)



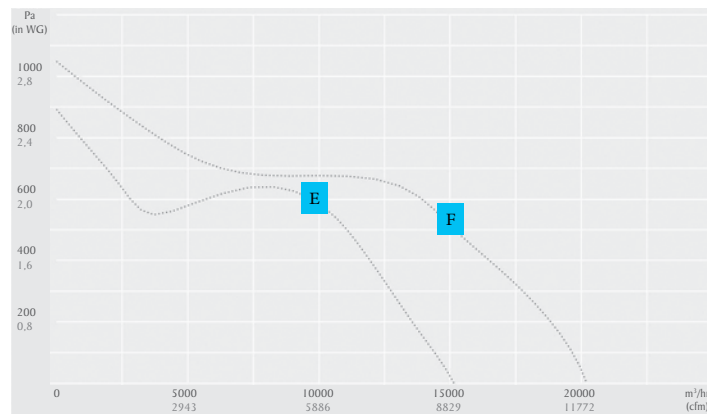
Type	U_N V	f_N Hz	I_{max} A	P_N W	$\dot{V}$ cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	L_{WA2} dB(A)	t_a °C	t_m °C	Weight (lbs)	ØD x L in
A EL-AL 400 EC 01 (12")	230V ~	50	8,8	1540	4191 / 7120	66	60	86	91	77	80	80	30,9	15,9 x 16,4
B EL-AL 450 EC 01 (14")	230V ~	50	9,9	1700	5103 / 8670	72	66	81	91	78	55	55	36,8	17,8 x 18,4
C EL-AL 500 EC 01 (14")	400V 3~	50	3,3	1850	6398 / 10870	75	69	84	92	78	55	55	48,7	19,8 x 20,3
D EL-AL 560 EC 01 (16")	400V 3~	50	4,4	2450	7699 / 13080	69	63	91	94	82	50	50	66,1	22,2 x 22,9
E EL-AL 630 EC 01 (20")	400V 3~	50	3,8	2250	8888 / 15100	75	69	88	90	81	50	50	84,6	25,0 x 25,7
F EL-AL 710 EC 01 (22")	400V 3~	50	5,7	3100	11890 / 20200	75	70	87	91	80	80	80	111,8	28,1 x 28,8



ØD

L

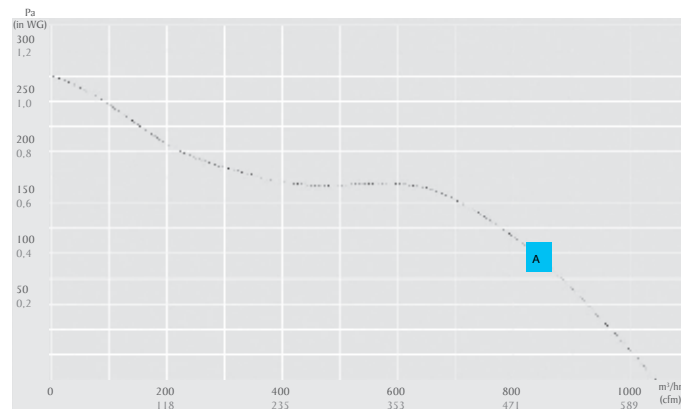
- Variable installation in horizontal or vertical position
- Direct in-line installation
- Integrated mounting bracket for easy fan installation
- For mounting, we recommend using cushioned clamps to reduce noise transmission into the ducting system
- Insulation Class Motor: F
- IP Complete Unit: IPX4



EMIK

The flexible tube extract fan

- Easy installation, indoor and outdoor
- Roof, wall and inline assembly
- Horizontal or vertical positioning
- For mounting, we recommend using cushioned clamps to reduce noise transmission into the ducting system
- Insulation Class Motor: F
- IP Complete Unit: IPX4
- Energy saving fan with highest aerodynamic efficiency



Type	U _N V	f _N Hz	I _{max.} A	P _N W	ṽ cfm / m³/h	η _t %	η _{st} %	L _{WA5} dB(A)	L _{WA6} dB(A)	L _{WA2} dB(A)	t _a °C	t _m °C	Weight (lbs)	ØD x L in
A EMIK 200 E230	(~8) 2V ~1058		31	30	66 77	53	60	60	10,0 / 50		0,6	118	623	3,9 x 25,3

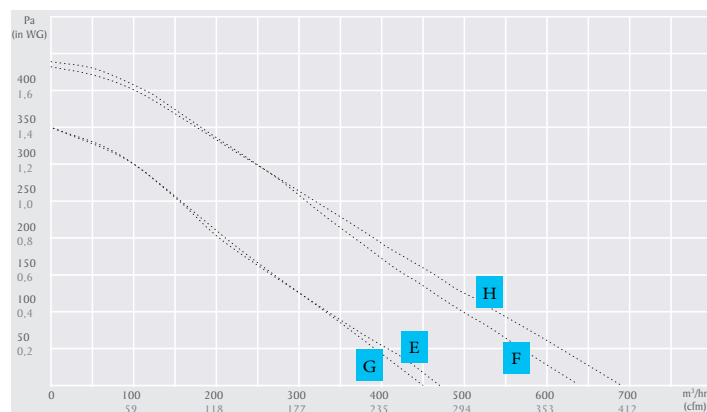
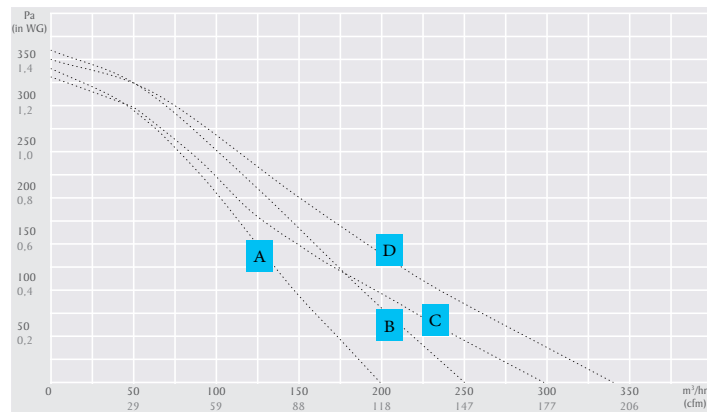


- Weather-resistant galvanized steel sheet housing
- 3 speed steps selectable through an external step switch
- Compact and complete
- Built-in thermostatic switch with automatic reset
- Incorporated diagonal fan with three-dimensionally shaped rotor and stator blades

EV

High performance radial fan (metal)

- The energy saving, versatile and cost-efficient fan
- High quality metal housing with corrosion resistant powder coating
- Reliable, established and proven design
- Voltage-controlled air flow rate adjustment
- Built-in thermostatic switch with automatic reset
- Maintenance-free and quiet in operation
- Backward curved impellers for optimum efficiency rates



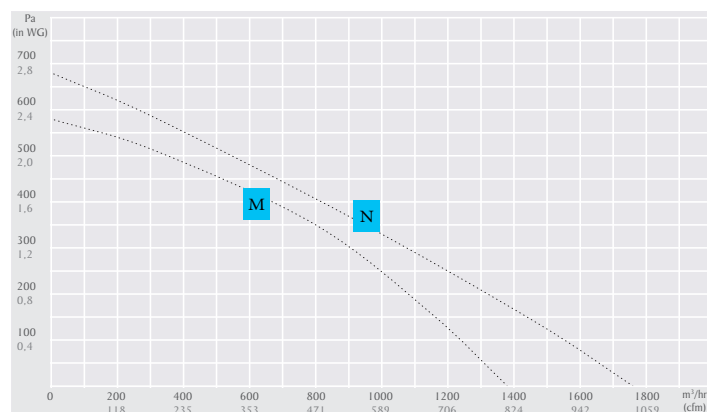
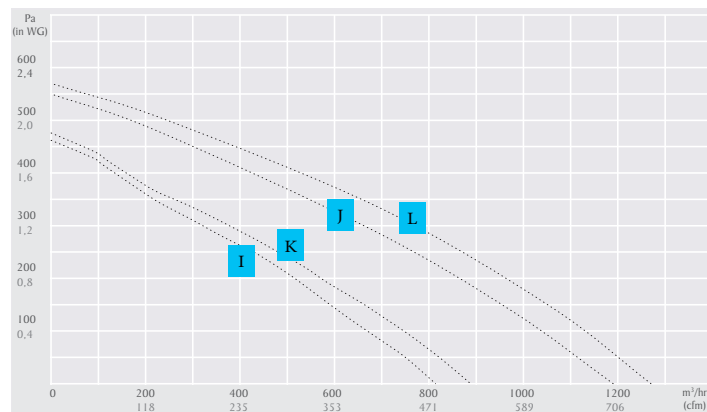
Type	U _N V	f _N Hz	I _{max.} A	P _N W	ṽ cfm / m³/h	η _t %	η _{st} %	L _{WA5} dB(A)	L _{WA6} dB(A)	L _{WA2} dB(A)	t _a °C	t _m °C	Weight (lbs)	ØDxL in
A EV 100 (4")	230V ~ 50		0,3	54	118 / 200	11	11	61	60	55	80	80	6,1	9,7 x 8,2
B EV 100L (4") TURBO	230V ~ 50		0,3	68	147 / 250	11	10	64	63	56	60	60	6,0	9,7 x 8,2
C EV 125 (5")	230V ~ 50		0,3	55	177 / 300	12	12	62	62	55	80	80	5,7	9,7 x 7,6
D EV 125 (5") TURBO	230V ~ 50		0,3	67	200 / 340	12	12	62	61	56	65	65	5,7	9,7 x 7,6
E EV 150 (6")	230V ~ 50		0,3	67	277 / 470	18	17	61	61	52	60	60	6,4	10,6 x 7,5
F EV 150L (6") TURBO	230V ~ 50		0,4	93	371 / 630	23	22	70	69	56	65	65	8,8	13,6 x 9
G EV 160 (6")	230V ~ 50		0,3	69	265 / 450	16	16	60	61	52	50	50	6,5	10,6 x 8,1
H EV 160L (6") TURBO	230V ~ 50		0,4	94	406 / 690	23	22	71	70	57	65	65	9,2	13,6 x 9
I EV 200 (8")	230V ~ 50		0,5	100	477 / 810	29	28	71	70	56	70	70	9,3	13,6 x 8,9
J EV 200XL (8") TURBO	230V ~ 50		0,9	188	700 / 1190	30	28	70	71	55	50	55	11,2	13,6 x 9,3
K EV 250 (10")	230V ~ 50		0,5	100	524 / 890	31	30	71	74	58	60	60	9,5	13,6 x 9,3
L EV 250XL (10") TURBO	230V ~ 50		0,9	192	748 / 1270	33	32	71	74	58	50	50	11,3	13,6 x 9,3
M EV 315 (12")	230V ~ 50		0,9	191	812 / 1380	38	38	73	76	58	50	55	12,2	15,8 x 10
N EV 315XL (12") TURBO	230V ~ 50		1,3	275	1036 / 1760	32	31	68	73	60	65	65	13,4	15,8 x 10



L

- Variable horizontal or vertical mounting position
- Direct in-line installation
- For mounting, we recommend using cushioned clamps to reduce noise transmission into the ducting system
- Insulation Class Motor: F
- IP Complete Unit: IPX4

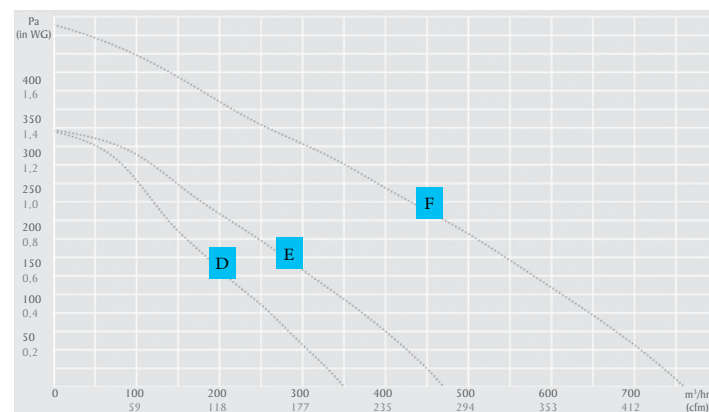
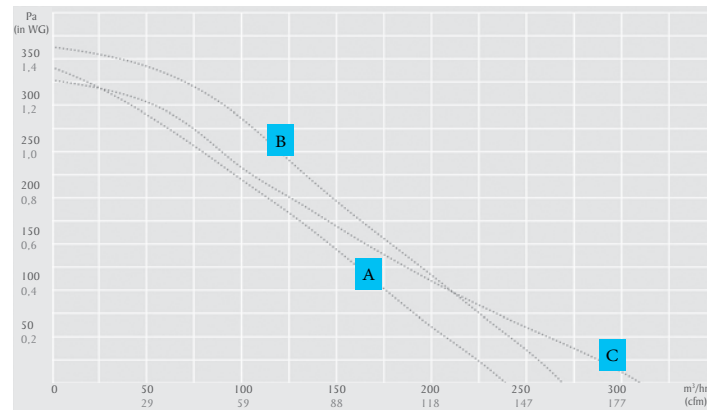
ØD



EV QUIET

High performance radial fan (plastic)

- High quality housing made of corrosion resistant plastic material PA6, RAL 7035
- Reliable in challenging operating environments
- Suitable for both supply and extract ventilation
- Established and proven design
- Built-in thermostatic switch manually or automatically resettable
- Maintenance-free and quiet in operation
- Backward curved impellers for optimum efficiency rates



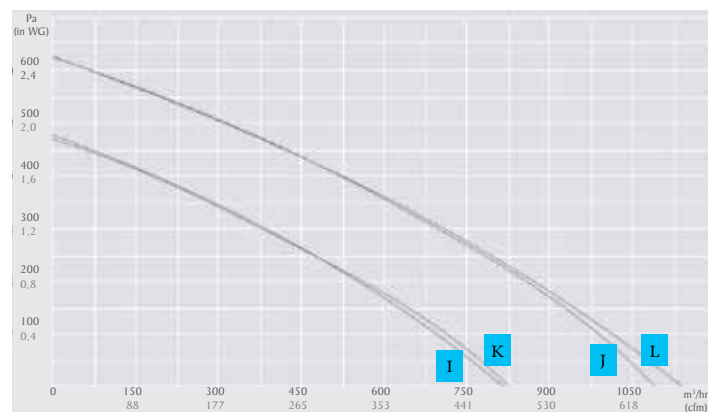
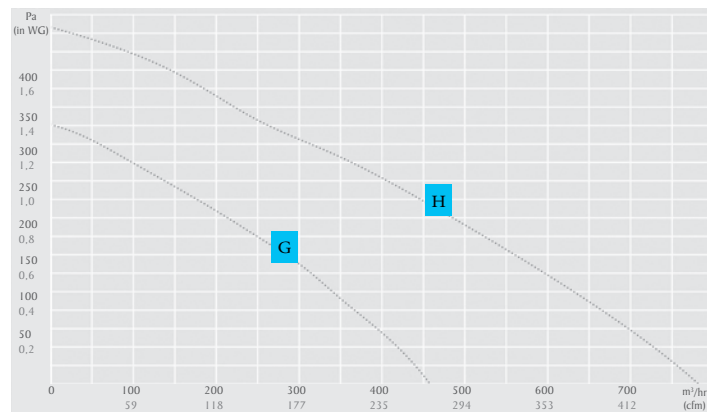
Type	U_N V	f_N Hz	$I_{max.}$ A	P_N W	$\dot{V}$ cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	L_{WA2} dB(A)	t_A °C	t_M °C	Weight (lbs)	ØDxL in
A EV Quiet100 (4")	230V ~50		0,3	55	141 / 240	13	12	62	60	52	70	70	5,1	9,6 x 10,6
B EV QUIET 100 (4") Turbo	230V ~50		0,3	70	159 / 270	13	12	66	64	54	55	55	5,1	9,6 x 10,6
C EV Quiet 125 (5")	230V ~50		0,3	60	182 / 310	13	13	63	62	50	70	70	4,6	9,6 x 10,6
D EV Quiet 125 (5") Turbo	230V ~50		0,3	70	206 / 350	14	13	64	63	51	55	55	5,1	9,6 x 10,6
E EV Quiet 150 (6")	230V ~50		0,3	70	277 / 470	20	19	63	61	55	50	50	6,4	13,4 x 14,3
F EV Quiet 150 (6") Turbo	230V ~50		0,5	105	447 / 760	31	28	71	67	59	55	55	7,1	13,4 x 14,3
G EV Quiet 160 (6")	230V ~50		0,3	70	271 / 460	20	19	60	60	54	40	40	6,2	13,4 x 14,3
H EV Quiet 160 (6") Turbo	230V ~50		0,5	103	459 / 780	31	29	68	66	62	50	50	7,1	13,4 x 14,3
I EV Quiet 200 (8")	230V ~50		0,5	100	483 / 820	31	29	68	66	55	50	50	7,1	13,4 x 14,3
J EV Quiet 200 (8") Turbo	230V ~50		0,9	185	642 / 1090	33	31	72	72	62	55	55	9,3	13,4 x 14,3
K EV Quiet 250 (10")	230V ~50		0,5	100	489 / 830	31	30	70	71	55	50	50	6,8	13,4 x 14,3
L EV Quiet 250 (10") Turbo	230V ~50		0,9	182	671 / 1140	32	32	70	70	58	60	60	9,0	13,4 x 14,3



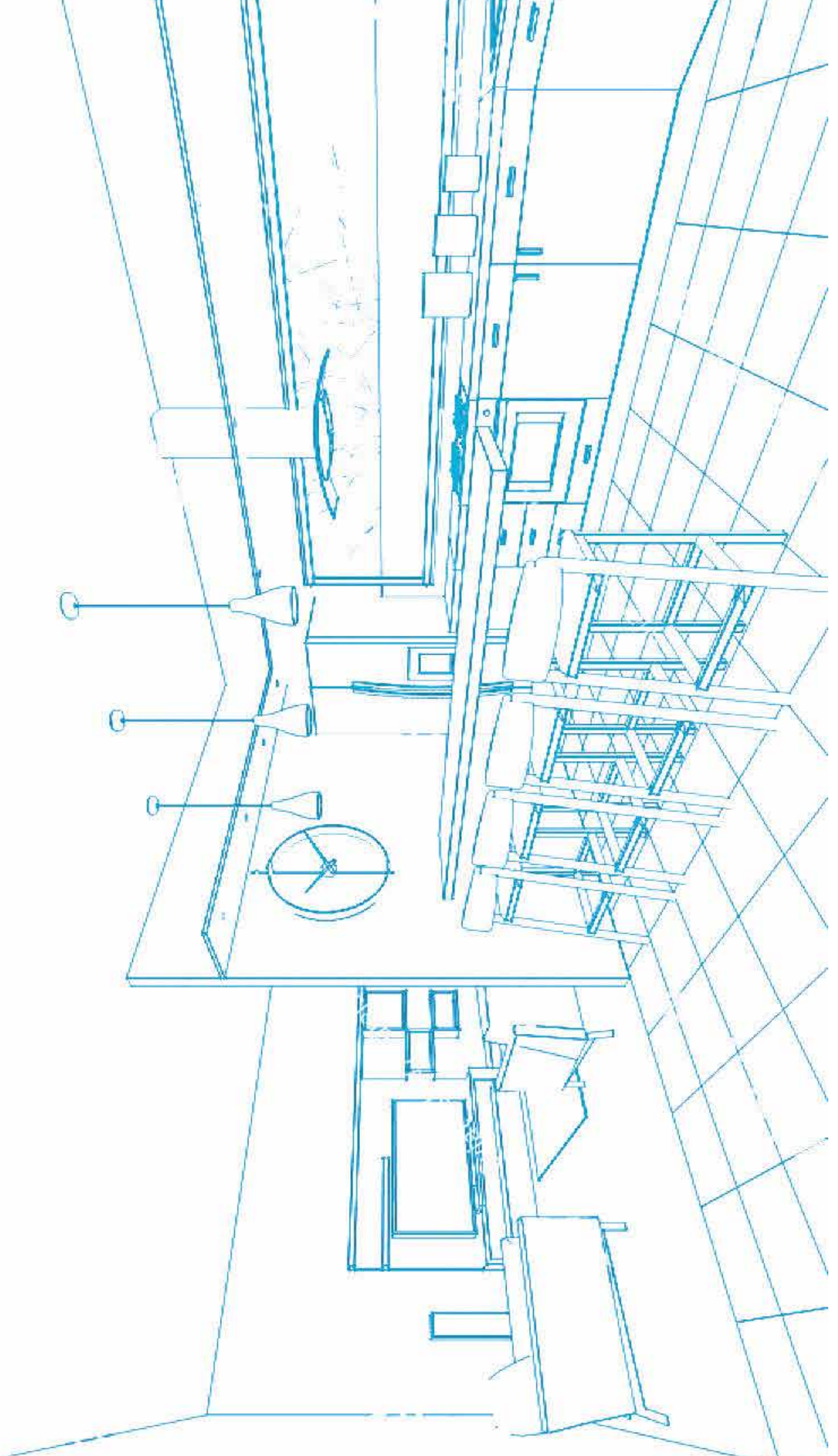
L

ØD

- Variable horizontal or vertical mounting position
- Direct in-line installation
- For mounting, we recommend using cushioned clamps to reduce noise transmission into the ducting system
- Insulation Class Motor: F
- IP Complete Unit: IPX4



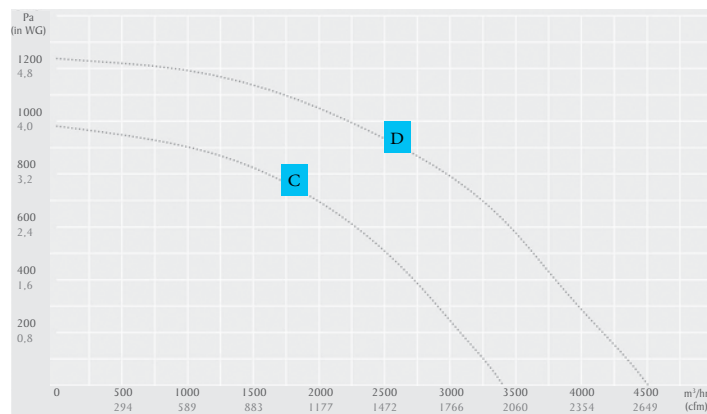
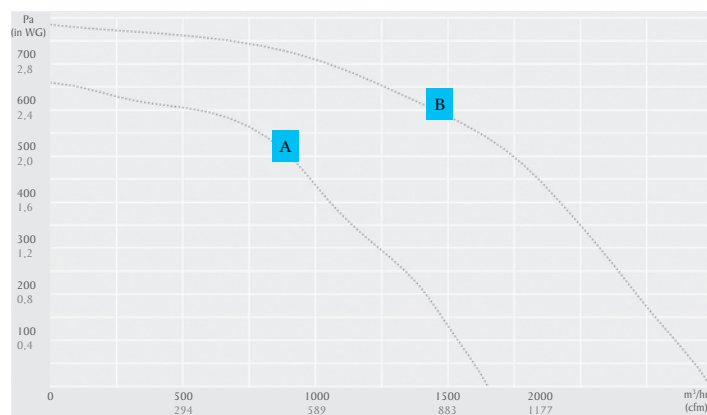




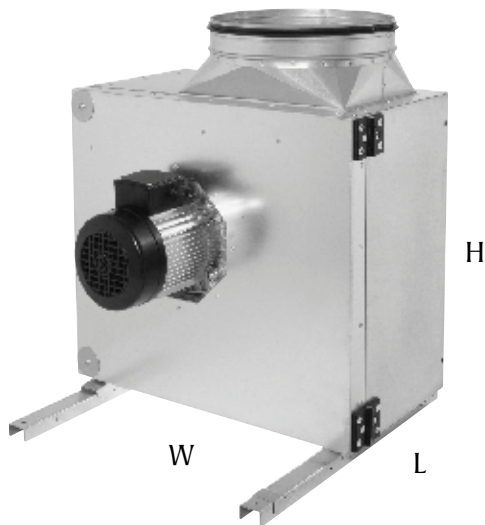
KBF-ISO

The professional solution for kitchen exhaust air

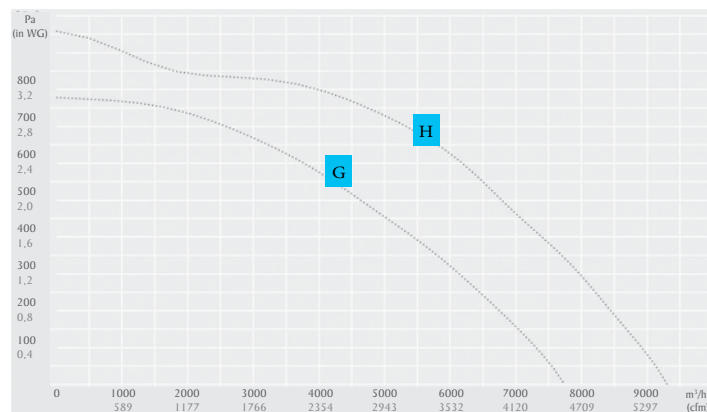
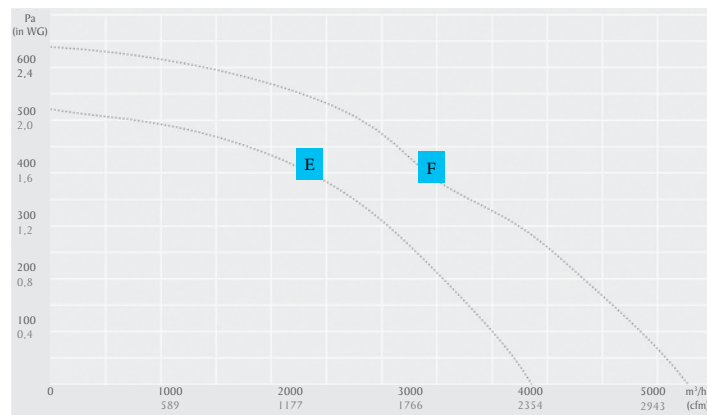
- Suitable for medium temperatures up to 120 °C
- Thermally and sound insulated
- Motor outside of air stream
- Voltage or frequency controlled air flow rate adjustment
- Serial grease pan with condensate drain (3/4")
- Backward curved impellers for optimum efficiency rates



Type	U _N V	f _N Hz	I _{max} A	P _N W	ṽ cfm / m³/h	η _t %	η _{st} %	L _{WA5} dB(A)	L _{WA6} dB(A)	L _{WA2} dB(A)	t _a °C	t _m °C	Weight (lbs)	WxHxL in
A KBF-ISO 225 E2 20 (9")	230V ~	50	1,8	259	971 / 1650	49	46	73	74	67	80	120	72,8	19,4 x 22,5 x 19,1
B KBF-ISO 250 E2 20 (10")	230V ~	50	3,3	448	1466 / 2490	56	51	78	78	71	80	120	103,2	23,3 x 27,2 x 22,3
C KBF-ISO 280 E2 20 (11")	230V ~	50	4,1	722	2001 / 3400	53	50	80	83	74	80	120	104,7	23,3 x 27,2 x 22,4
D KBF-ISO 315 E2 20 (12")	230V ~	50	7,8	1200	2655 / 4510	56	54	84	86	76	60	120	123,4	27,6 x 31,1 x 24,1
E KBF-ISO 400 E4 20 (16")	230V ~	50	2,9	525	2566 / 4360	54	50	70	70	60	80	120	134,5	32,8 x 36,1 x 24,1
F KBF-ISO 450 E4 20 (18")	230V ~	50	4,7	849	3402 / 5780	53	49	75	76	66	50	120	147,7	32,8 x 36,1 x 24,1
G KBF-ISO 500 E4 20 (20")	230V ~	50	7,7	1337	4556 / 7740	49	48	79	78	72	40	120	232,8	40,0 x 43,0 x 34,3
H KBF-ISO 560 D4 10 (22")	400V 3~	50	4,5	2100	5545 / 9420	54	47	83	84	73	70	120	220,0	34,8 x 42,4 x 32,3



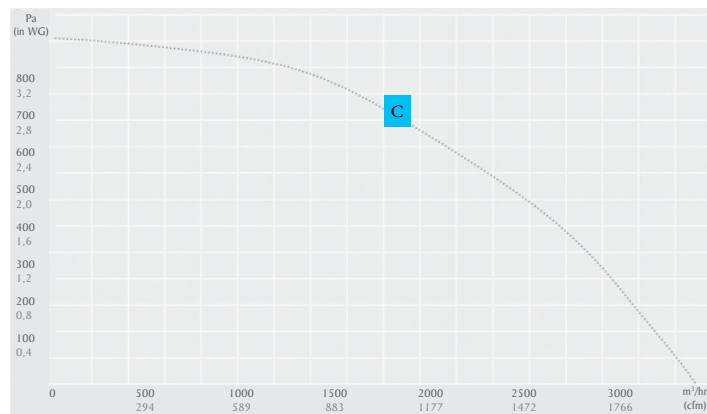
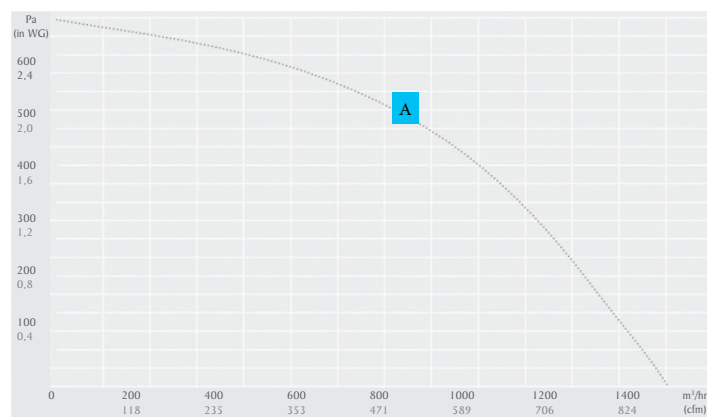
- Variable outlet configuration (on the right / left / top)
- The outlet nozzle is serially mounted on top. On site, the outlet can be positioned horizontally by repositioning the door hinges
- Optimum serviceability and cleaning access through swing out fan unit
- The foundations need to be even, levelled and fitted for the dimensions of the KBF-ISO multi purpose exhaust fan
- Insulation Class Motor: F
- IP Complete Unit: IPX4



KBF

The economic kitchen exhaust fan

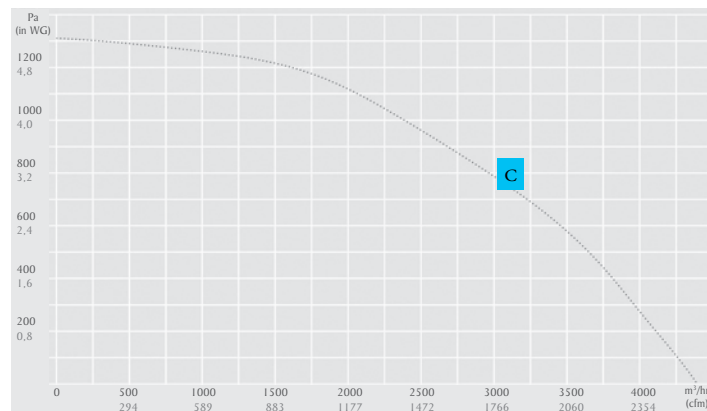
- Suitable for medium temperatures up to 80°C
- Motor outside the air stream, specific for kitchen exhaust operation
- Voltage-controlled air flow rate adjustment
- The housing is designed to function as a grease pan
- Backward curved impellers for optimum efficiency rates

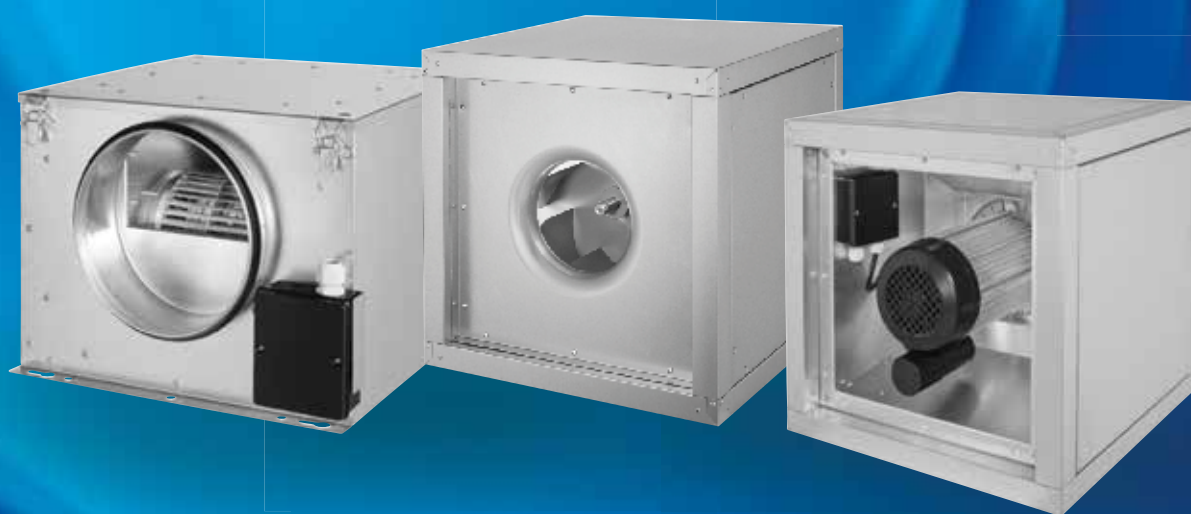


Type	U_N V	f_N Hz	I_{max} A	P_N W	$\dot{V}$ cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	L_{WA2} dB(A)	t_A °C	t_m °C	Weight (lbs)	WxHxL in
A KBF 225 E2 (9")	230V ~	50	1,9	269	883 / 1500	43	40	73	74	66	80	80	37,7	18,1 x 18,4 x 17,0
B KBF 280 E2 (11")	230V ~	50	4,1	703	1919 / 3260	54	52	81	84	72	80	80	58,6	23,3 x 22,9 x 19,0
C KBF 315 E2 (12")	230V ~	50	7,6	1189	2584 / 4390	57	55	85	86	77	60	60	78,2	27,5 x 27,4 x 21,9



- Easy cleaning access through swing out fan unit
- The integrated installation bracket enables easy wall installation
- The foundations need to be even, levelled and be fitted for the dimensions of the KBF multi purpose exhaust fan
- Insulation Class Motor: F
- IP Complete Unit: IPX4

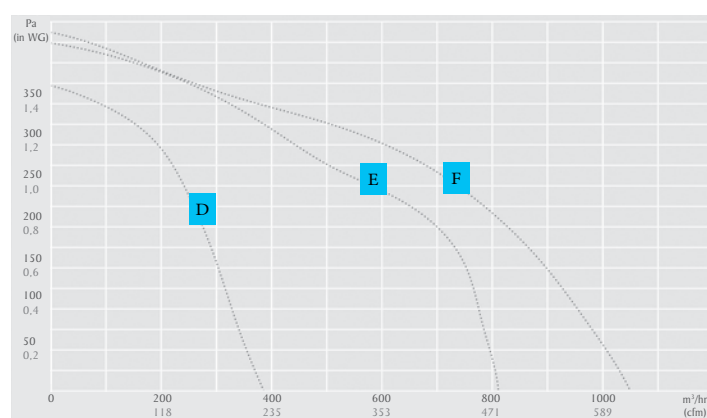
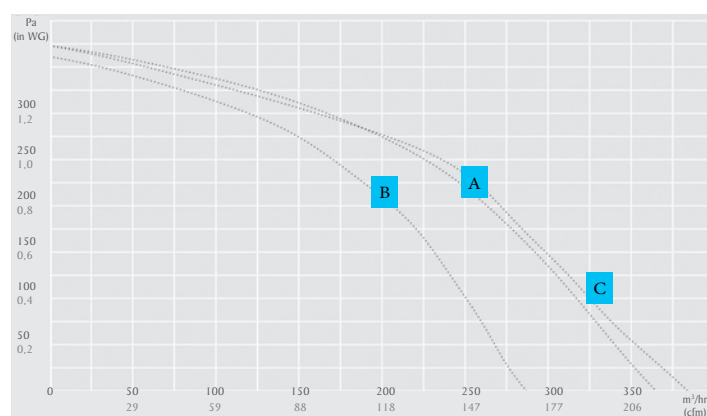




DBF-ISO

Fully insulated box fan

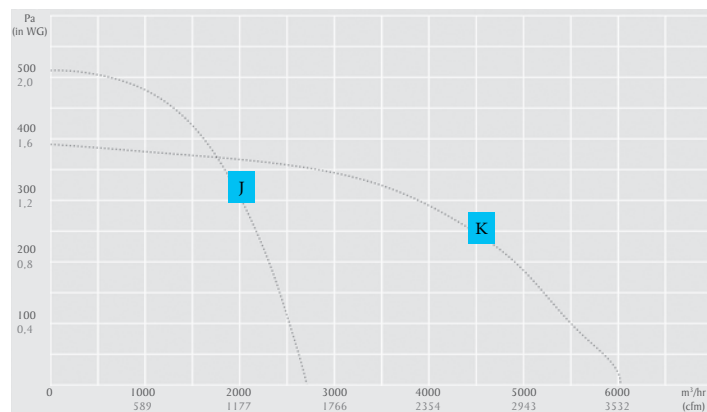
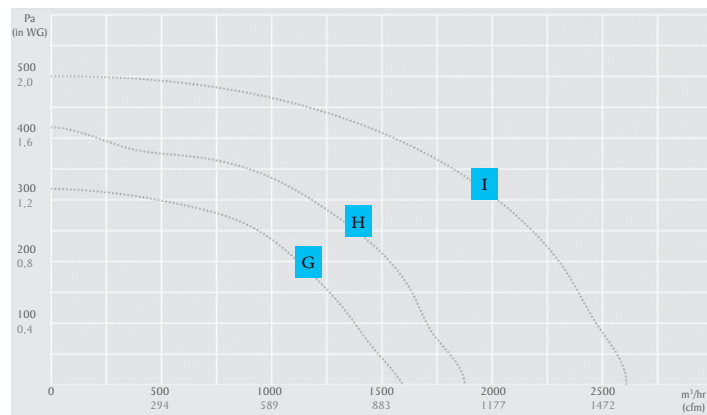
- The fully insulated fan housing ensures low sound emission
- High quality, glass fibre sealed insulation material
- The housing is made of galvanized steel sheet
- Voltage-controlled air flow rate adjustment
- Built-in thermostatic switch with automatic reset
- Quietly running and powerful forward curved impeller blades



Type	U_N V	f_N Hz	I_{max} A	P_N W	$\dot{V}$ cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	L_{WA2} dB(A)	t_a °C	t_m °C	Weight (lbs)	WxHxL in
A	DBF-ISO 125 E2 11 (5")	230V ~ 50	0,5	109	215 / 365	17	16	52	66	48	55	55	23,8	15,1 x 9,1 x 18,2
B	DBF-ISO 125 E2 10 (5")	230V ~ 50	0,5	100	171 / 290	16	16	51	65	48	50	50	24,4	15,1 x 9,1 x 18,2
C	DBF-ISO 150 E2 11 (6")	230V ~ 50	0,5	113	224 / 380	17	16	51	66	46	50	50	23,8	15,1 x 9,1 x 18,2
D	DBF-ISO 160 E2 11 (6")	230V ~ 50	0,5	110	230 / 390	18	17	55	69	49	50	50	23,8	15,1 x 9,1 x 18,2
E	DBF-ISO 200 E2 10 (8")	230V ~ 50	1,1	229	477 / 810	23	22	63	74	59	70	70	28,8	15,1 x 11,3 x 18,3
F	DBF-ISO 250 E2 10 (10")	230V ~ 50	1,3	290	618 / 1050	25	25	58	73	52	60	60	36,1	19 x 11,3 x 22,5
G	DBF-ISO 250 E4 11 (10")	230V ~ 50	2,2	410	942 / 1600	23	22	64	73	59	60	60	65,1	21,4 x 15,2 x 24,5
H	DBF-ISO 315 E2 10 (12")	230V ~ 50	2,7	568	1104 / 1875	26	26	62	75	59	50	50	53,5	21,4 x 15,2 x 24,5
I	DBF-ISO 355 E4 11 (14")	230V ~ 50	4,6	970	1536 / 2610	29	29	62	75	57	45	45	94,6	26,9 x 19,4 x 30
J	DBF-ISO 400 E4 11 (16")	230V ~ 50	4,7	980	1595 / 2710	29	29	64	75	56	50	50	94,8	26,9 x 19,4 x 31,4
K	DBF-ISO 500 E4 05 (20")	230V ~ 50	6,6	1420	3543 / 6020	31	30	64	78	57	40	40	149,2	34,8 x 23,1 x 31,8



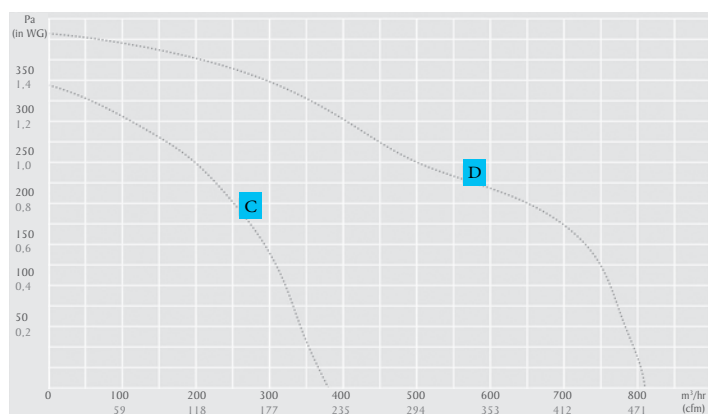
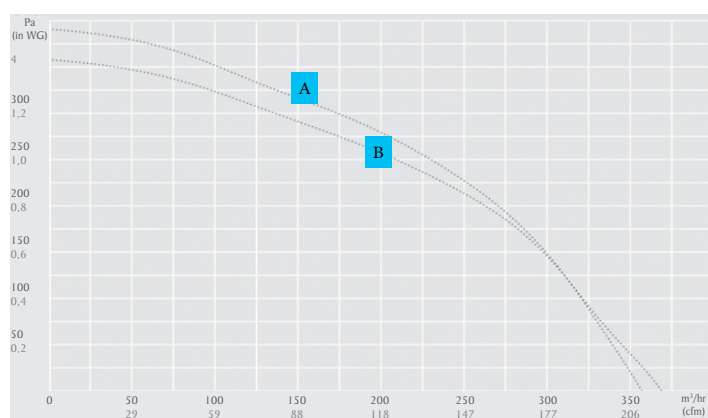
- Variable installation in horizontal or vertical position
- Integrated mounting brackets for easy installation
- Removable inspection cover with quick release fasteners for easy cleaning of the fan unit without dismantling the ventilation duct
- For mounting, we recommend using cushioned clamps to reduce noise transmission into the ducting system
- Insulation Class Motor (Range 125-160): B (Range 200-400): F
- IP Complete Unit: IPX4



DBF-I

Partially insulated box fan

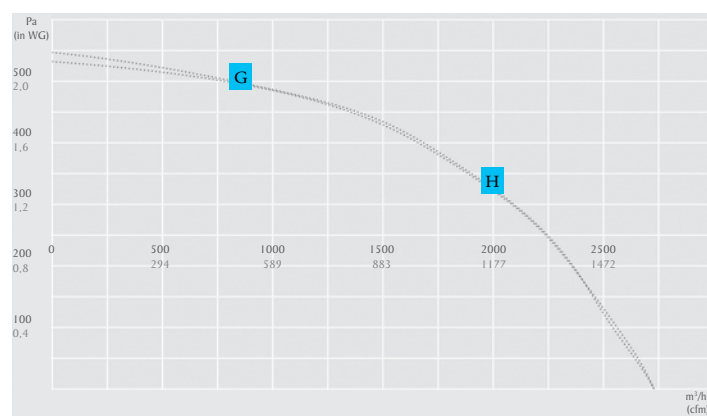
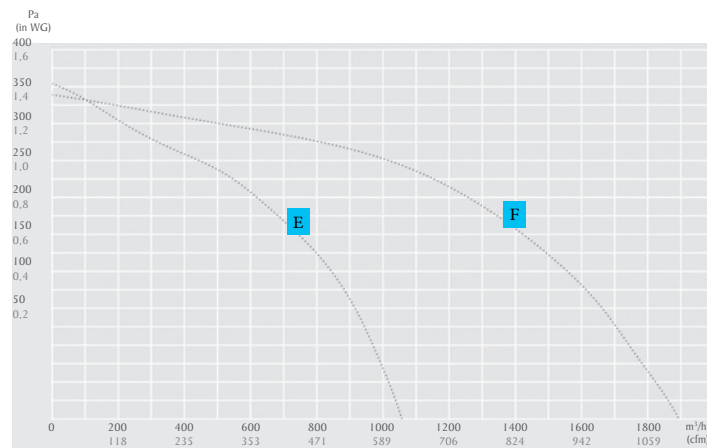
- An optimised housing insulation for low sound emission
- Excellent cost - performance ratio
- The housing is made of galvanized steel sheet
- Voltage-controlled air flow rate adjustment
- Built-in thermostatic switch with automatic reset
- Quietly running and powerful forward curved impeller blades



		U _N	f _N	I _{max}	P _N	V	η _t	η _{st}	L _{WA5}	L _{WA6}	L _{WA2}	t _A	t _m		WxHxL
Type		V	Hz	A	W	cfm / m³/h	%	%	dB(A)	dB(A)	dB(A)	°C	°C	Weight (lbs)	in
A	DBF-I 125 E2 11 (5")	230V ~	50	0,5	108	212 / 360	18	17	52	67	49	55	55	22,2	15,1 x 9,1 x 17,9
B	DBF-I 150 E2 11 (6")	230V ~	50	0,5	100	218 / 370	17	17	52	68	47	50	50	22,7	15,1 x 9,1 x 18
C	DBF-I 160 E2 11 (6")	230V ~	50	0,5	102	224 / 380	18	17	55	68	48	50	50	22,2	15,1 x 9,1 x 18,4
D	DBF-I 200 E2 10 (8")	230V ~	50	1,0	221	477 / 810	24	23	63	74	57	70	70	24,6	15,1 x 11,3 x 18,4
E	DBF-I 250 E2 10 (10")	230V ~	50	1,3	281	624 / 1060	27	26	63	74	58	60	60	24,6	19 x 11,3 x 21,6
F	DBF-I 315 E2 10 (12")	230V ~	50	2,5	545	1112 / 1890	29	29	63	76	56	50	50	49,4	21,4 x 15,2 x 23,5
G	DBF-I 355 E4 11 (14")	230V ~	50	4,5	940	1607 / 2730	32	31	63	76	59	50	50	94,9	26,9 x 19,4 x 29
H	DBF-I 400 E4 11 (16")	230V ~	50	4,6	950	1607 / 2730	31	31	62	76	57	45	45	94,6	26,9 x 19,4 x 29



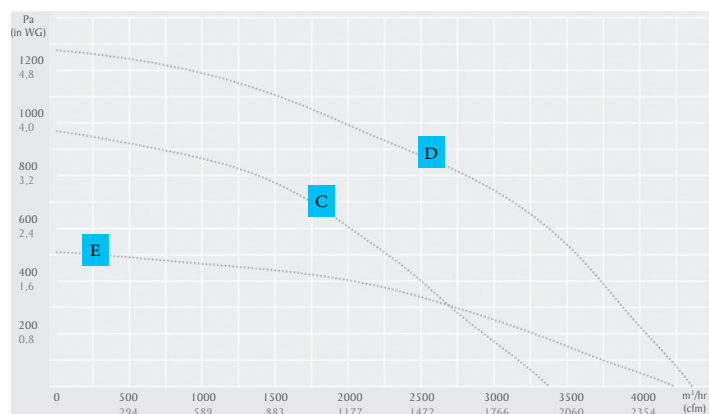
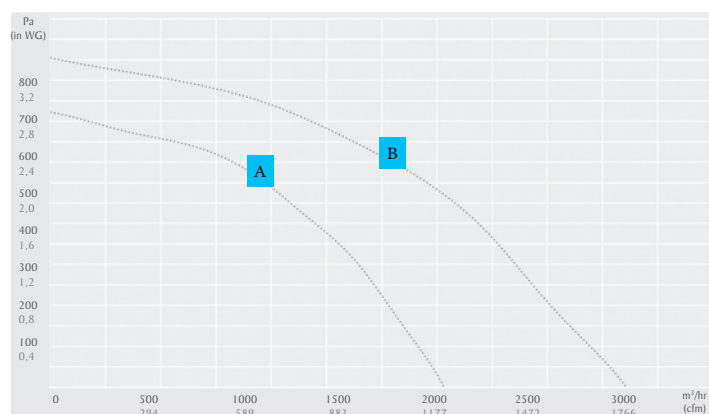
- Variable installation in horizontal or vertical position
- Integrated mounting brackets for easy installation
- Removable inspection cover with quick release fasteners for easy cleaning of the fan unit without dismantling the ventilation duct
- For mounting, we recommend using cushioned clamps to reduce noise transmission into the ducting system
- Insulation Class Motor (Range 125-160): B (Range 200-400): F
- IP Complete Unit: IPX4



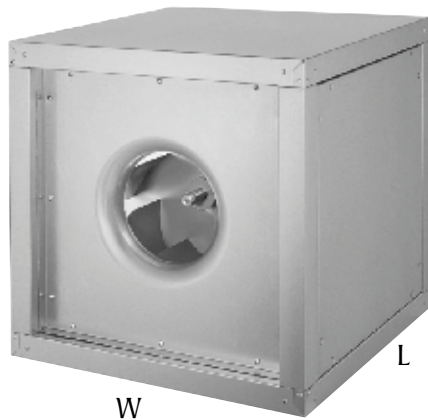
BF-N

Highly flexible exhaust fan box

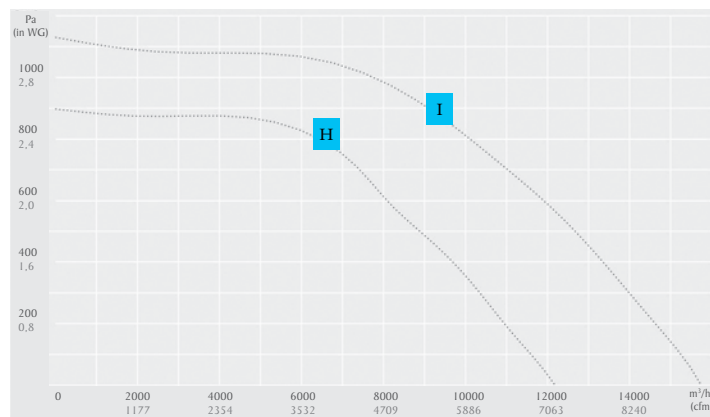
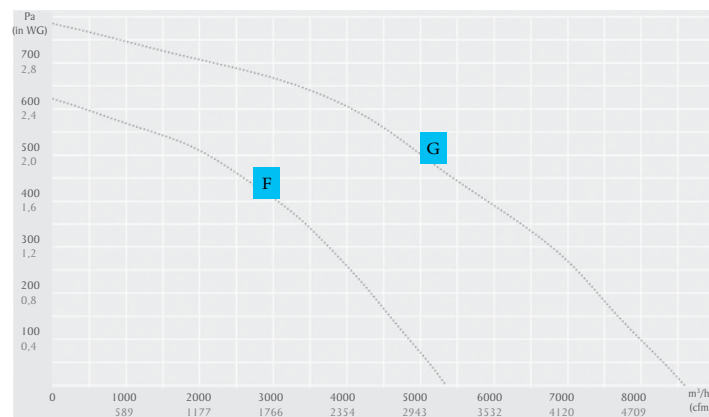
- Suitable for medium temperatures up to 80°C
- Cubic, highly flexible fan box for various applications
- Galvanized metal housing
- Speed controllable
- 1,2 in insulation
- The housing is designed to function as a grease pan
- Backward curved impellers for optimum efficiency rates



		U _N	f _N	I _{max.}	P _N	V		η _l	η _{st}	L _{WA5}	L _{WA6}	L _{WA2}	t _a	t _m	WxHxL	
Type		V	Hz	A	W	cfm / m³/h		%	%	dB(A)	dB(A)	dB(A)	°C	°C	Weight (lbs)	in
A	BF-N 225 E2 20 (9")	230V ~	50	2,0	279	1048 / 1780		48	47	69	73	56	80	80	82,7	19,7 x 19,7 x 19,7
B	BF-N 250 E2 20 (10")	230V ~	50	3,3	439	1536 / 2610		52	52	73	77	65	80	80	89,3	19,7 x 19,7 x 19,7
C	BF-N 280 E2 20 (11")	230V ~	50	4,0	675	1989 / 3380		48	48	78	82	66	80	80	94,8	19,7 x 19,7 x 19,7
D	BF-N 315 E2 20 (12")	230V ~	50	7,5	1171	2566 / 4360		55	54	85	87	70	70	70	153,2	27,6 x 27,6 x 27,6
E	BF-N 400 E4 20 (16")	230V ~	50	2,8	507	2496 / 4240		43	43	73	77	55	80	80	141,1	27,6 x 27,6 x 27,6
F	BF-N 450 E4 20 (18")	230V ~	50	4,4	767	3147 / 5347		44	42	80	81	60	75	75	158,7	27,6 x 27,6 x 27,6
G	BF-N 500 E4 20 (20")	230V ~	50	7,9	1323	5056 / 8590		50	50	81	83	68	40	40	250,2	35,4 x 35,4 x 35,4
H	BF-N 560 D4 (22")	400V 3~	50	5,0	2390	7169 / 12180		58	57	83	85	66	80	80	253,5	35,4 x 35,4 x 35,4
I	BF-N 630 D4 (25")	400V 3~	50	7,7	4077	9270 / 15750		54	54	87	89	73	50	50	303,1	35,4 x 35,4 x 35,4



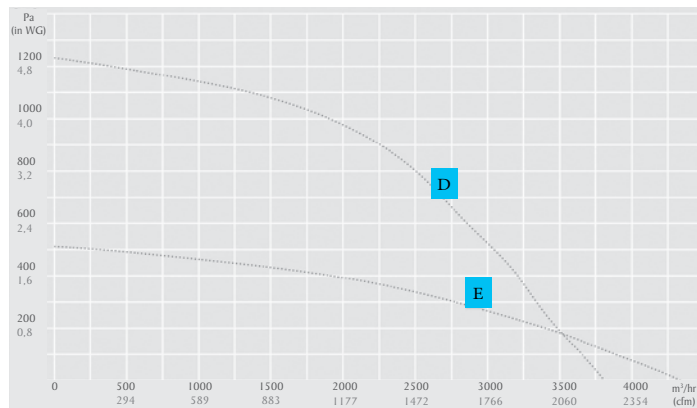
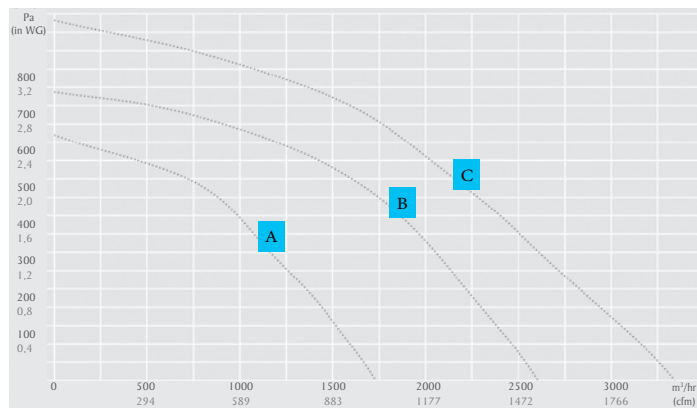
- Variable, on site, outlet configuration (right / left, axial)
- Easy to maintain via a large revision panel
- In combination with a rain and a motor cover (available as accessories), the unit is also suitable for outdoor installation
- The foundations need to be even, levelled and be fitted for the dimensions of the BF-N multi purpose exhaust fan
- Insulation Class Motor: F
- IP Complete Unit: IPX4



BF-E.M

The cubic fan box for kitchen exhaust air

- Suitable for medium temperatures up to 80 °C
- Motor outside the air stream, specific for kitchen exhaust operation
- Cubic, highly flexible fan box for different applications
- The housing is designed to function as a grease pan
- Galvanized metal housing
- Speed controllable
- 1,2 in insulation
- Backward curved impellers for optimum efficiency rates



Type	U_N V	f_N Hz	I_{max} A	P_N W	$\dot{V}$ cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	L_{WA2} dB(A)	t_A °C	t_m °C	Weight (lbs)	WxHxL in
A BF-E.M 225 E2 20 (9")	230V ~	50	1,9	266	1018 / 1730	45	45	71	75	67	80	80	90,4	19,7 x 19,7 x 19,7
B BF-E.M 250 E2 20 (10")	230V ~	50	3,4	454	1536 / 2610	51	50	77	79	73	80	80	97,0	19,7 x 19,7 x 19,7
C BF-E.M 280 E2 20 (11")	230V ~	50	4,1	703	1966 / 3340	47	47	80	82	75	75	80	101,4	19,7 x 19,7 x 19,7
D BF-E.M 315 E2 20 (12")	230V ~	50	7,5	1170	2243 / 3810	46	45	84	87	78	60	60	102,5	27,6 x 27,6 x 27,6
E BF-E.M 400 E4 20 (16")	230V ~	50	2,8	501	2555 / 4340	44	44	73	75	64	80	80	143,3	27,6 x 27,6 x 27,6
F BF-E.M 450 E4 20 (18")	230V ~	50	4,5	793	3508 / 5960	48	45	76	79	70	65	65	160,9	27,6 x 27,6 x 27,6
G BF-E.M 500 E4 20 (20")	230V ~	50	7,5	1312	5062 / 8600	50	50	81	85	78	45	80	266,5	35,4 x 35,4 x 35,4
H BF-E.M 560 D4 (22")	400V 3~	50	5,0	2390	7169 / 12180	58	57	83	85	78	80	80	262,3	35,4 x 35,4 x 35,4
I BF-E.M 630 D4 (25")	400V 3~	50	7,7	4077	9270 / 15750	54	54	87	89	80	60	60	282,2	35,4 x 35,4 x 35,4

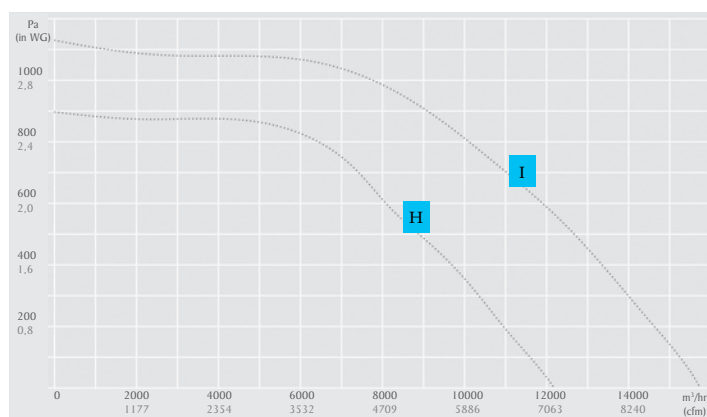
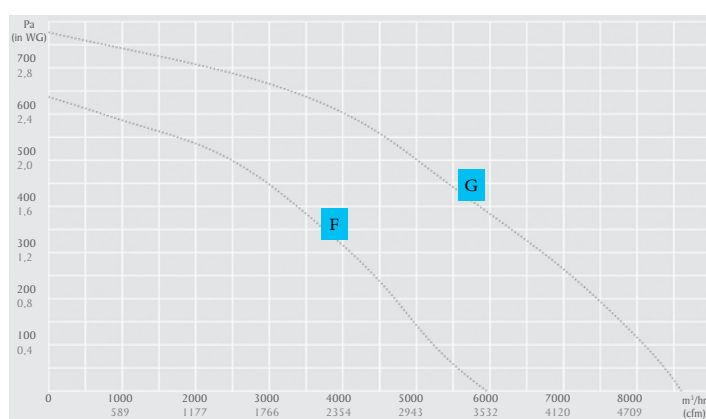


H

L

W

- Variable, on site, outlet configuration (right / left, on top)
- In combination with a rain and a motor cover (available as accessories), the unit is also suitable for outdoor installation
- The foundations need to be even, levelled and be fitted for the dimensions of the BF-E.M multi purpose exhaust fan
- Insulation Class Motor: F
- IP Complete Unit: IPX4






EURO Ventus®
★★★★★

PLASTIC FANS

EVD range

AXIAL EXTRACT FANS



Description

EVD : Wall/Window/Ceiling mounted Axial Extract fan with front flat cover integrated with backdraught shutter.

EVD/S : Wall/Window mounted Axial Extract fan with front flat cover And external gravity shutter.

EVD/G : Wall/Window mounted Axial Extract fan with front flat cover And external fixed grille.

NOTE :

EVD : Can be used as Wall Mounted And Ceiling Mounted, fan is integrated backdraught shutter.

FEATURES & BENEFITS

IPX4 protection degree

Aesthetic front flat cover for modern interior design easily removed for cleaning.

Rigid optimised spigot support preventing distortion with strengthened guard and design to maximise airflow.

Integral back-draught shutter on request to prevent air flowing back into the room when the fan is off.

Low power consumption: 100mm model has less than 8 watts operating power consumption for energy saving.

Totally recyclable plastic components, environmentally friendly.

Double insulated: no earth connection is required.

Tested to the latest standards: units are tested in the TÜV Rheinland recognised laboratory, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

APPLICATION

Ideal for air-extraction in bathroom, toilet and small/medium premises. Suitable to extract stale air directly to the outside or through short length ducting. Units can be wall/panel, ceiling and window mounted.

SPECIFICATION

Casing made of high quality ABS provides long lasting shock-proof and robust construction. The unit are finished in white RAL 9010 and are UV resistant.

Unique design winglet-type impeller, providing enhanced aerodynamic properties, low noise and increased efficiency.

Single-phase induction motors with integral thermal protection, mounted on sealed for life high quality sleeve bearings. Suitable for continuous and intermittent running.

VERSIONS

Basic

The fan is operated via a separate ON/OFF switch or the light switch.

Run-on timer

The fan is equipped with a timer circuit adjustable from $\pm 1'$ to 25'.

Operation: after switching off, the fan continues to run for the pre-set period of time.

Humidistat & timer

The fan is provided with an electronic circuit having a humidity sensor on board (adjustable from 50% to 95% RH) and a timer, adjustable from $\pm 1'$ to 25'. Operation: when the percentage of relative humidity is higher/lower than the pre-set threshold, the fan is automatically activated/ deactivated. After switching off, the fan continues to run for the pre-set period of time.

Pull cord

The fan is operated via the integrated ON/OFF pull cord switch.

Humidistat-timer-pull cord

The fan is provided with an electronic circuit having a humidity sensor on board (adjustable from 50% to 95% RH) and a timer, adjustable from $\pm 1'$ to 25'. Operation: when the percentage of relative humidity is higher/lower than the pre-set threshold, the fan is automatically activated/ deactivated. After switching off, the fan continues to run for the pre-set period of time. The integrated pull cord switch activates/ deactivates the fan manually.

OPTIONS

Ball bearing motor type to assure a longer fan life (30.000h): ideal for cold climates.

Different voltage and frequency motors can be offered to meet specific needs.

APPLICATIONS & MODEL VERSIONS

Model	Location	B	PC	T	HT	HTPC
EVD 100	Bathroom	•	•	•	•	•
EVD 120	Utility	•	•	•	•	•
EVD 150	Kitchen	•	•	•	•	•

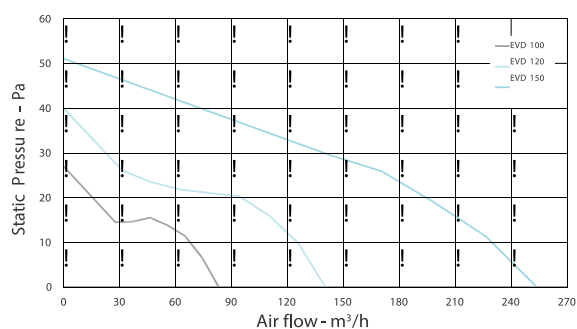
B- Basic, PC- Pull cord, T- Run on timer, HT- Humidistat/Timer, HTPC- Humidistat/Timer/ Cord

Performance

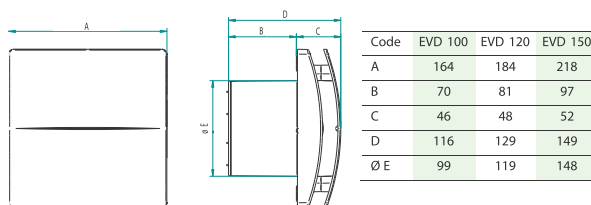
Model	EVD 100	EVD 120	EVD 150
Airflow m ³ /h / cfm	83/48	140/82	253/148
Static pressure Pa max	27	40	51
Power W max	8	14	24
Sound Pressure dB(A) @3m	26	34	42
Ambient temperature °C max	50	50	50

- rated 220-240 V ~ 50-60Hz
- air performance measured according to ISO 5801 at 230 V50Hz, air density 1, 2Kg/m³
- data measured in the TÜV Rheinland.
- product certified by TÜV Rheinland

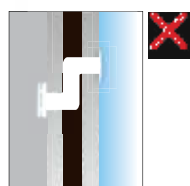
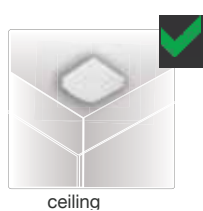
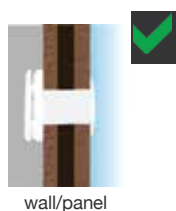
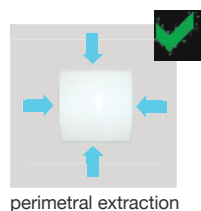
Performance Curves



Dimensions (mm)



Installation



Accessories



CG
ceiling gasket



S
window kit
with external gravity
shutters



G
window kit
with external fixed
grille



ES
external gravity
shutter

EVW range

AXIAL EXTRACT FANS



Description

EVW : Wall mounted axial extract fan.

EVW/S : Wall mounted axial extract fan with external gravity shutter.

EVW/G : Wall mounted axial extract fan with external fixed grille.

APPLICATION

Ideal for air-extraction in bathroom, toilet and small/medium premises.

Suitable to extract stale air directly to the outside or through short length ducting. Units can be wall/panel, ceiling and window mounted.

SPECIFICATION

Casing made of high quality ABS provides long lasting shock-proof and robust construction. The unit are finished in white RAL 9010 and are UV resistant.

Unique design winglet-type impeller, providing enhanced aerodynamic properties, low noise and increased efficiency.

Single-phase induction motors with integral thermal protection, mounted on sealed for life high quality sleeve bearings. Suitable for continuous and intermittent running.

FEATURES & BENEFITS

IPX4 protection degree

Stylish bright finishing of the front cover to meet any modern interior design requirement.

Aerodynamic-shaped inlet and front deflectors to optimize the efficiency and the acoustic comfort.

Rigid optimised spigot support preventing distortion with strengthened guard and design to maximise airflow.

Integral back-draught shutter on request to prevent air flowing back into the room when the fan is off.

Low power consumption: 100mm model has less than 8 watts operating power consumption for energy saving.

Totally recyclable plastic components, environmentally friendly.

Double insulated: no earth connection is required.

Tested to the latest standards: units are tested in the TÜV Rheinland, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied

upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

VERSIONS

Basic

The fan is operated via a separate ON/OFF switch or the light switch.

Run-on timer

The fan is equipped with a timer circuit adjustable from $\pm 1'$ to 25'. Operation: after switching off, the fan continues to run for the pre-set period of time.

Humidistat & timer

The fan is provided with an electronic circuit having a humidity sensor on board (adjustable from 50% to 95% RH) and a timer, adjustable from $\pm 1'$ to 25'.

Operation: when the percentage of relative humidity is higher/lower than the pre-set threshold, the fan is automatically activated/ deactivated. After switching off, the fan continues to run for the pre-set period of time.

Pull cord

The fan is operated via the integrated ON/OFF pull cord switch.

Humidistat-timer-pull cord

The fan is provided with an electronic circuit having a humidity sensor on board (adjustable from 50% to 95% RH) and a timer, adjustable from $\pm 1'$ to 25'.

Operation: when the percentage of relative humidity is higher/lower than the pre-set threshold, the fan is automatically activated/ deactivated. After switching off, the fan continues to run for the pre-set period of time. The integrated pull cord switch activates/ deactivates the fan manually.

OPTIONS

Ball bearing motor type to assure a longer fan life (30.000h): ideal for cold climates.

Different voltage and frequency motors can be offered to meet specific needs.

APPLICATIONS & MODEL VERSIONS

Model	Location	B	PC	T	HT	HTPC
EVW 100	Bathroom	•	•	•	•	•
EVW 120	Utility	•	•	•	•	•
EVW 150	Kitchen	•	•	•	•	•

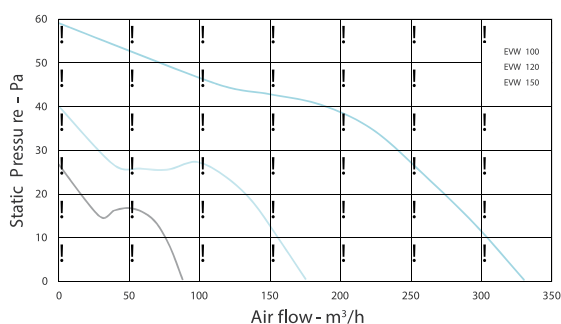
B- Basic, PC- Pull cord, T- Run on timer, HT- Humidistat/Timer, HTPC- Humidistat/Timer/ Cord

Performance

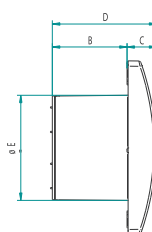
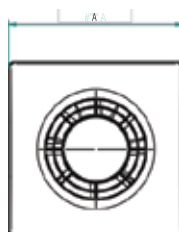
Model	EVW 100	EVW 120	EVW 150
Airflow m ³ /h / cfm	88/51	175/102	330/194
Static pressure Pa max	27	40	59
Power W max	8	14	24
Sound Pressure dB(A) @3m	26	33	42
Ambient temperature °C max	50	50	50

- rated 220-240 V ~ 50-60Hz
- air performance measured according to ISO 5801 at 230V 50Hz, air density 1,2 Kg/m³
- data measured in the TÜV Rheinland recognised laboratory .
- product certified by TÜV Rheinland

Performance Curves



Dimensions (mm)



Code	EVW 100	EVW 120	EVW 150
A	164	184	218
B	70	81	97
C	28	27	27
D	98	108	124
Ø E	99	119	148

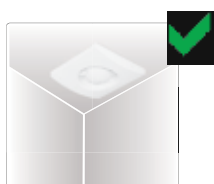
Installation



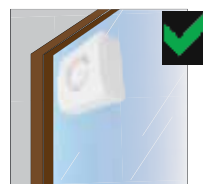
central extraction



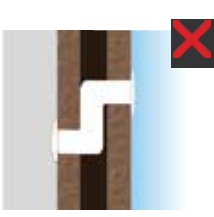
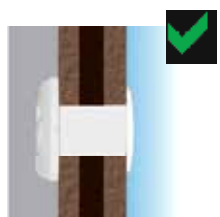
wall/panel



ceiling



window



Accessories



CG
ceiling gasket



S
window kit
with external gravity
shutters



G
window kit
with external fixed
grille



ES
external gravity
shutter

EVWS range

AXIAL EXTRACT FANS



Description

EVWS : Wall/Window mounted Axial Extract fan with Internal Automatic shutter.

EVWS/S : Wall/Window mounted Axial Extract fan with Internal Automatic shutter And external gravity shutter.

EVWS/G : Wall/Window mounted Axial Extract fan with Internal Automatic shutter And external fixed grille.

APPLICATION

Ideal for air-extraction in bathroom, toilet and small/medium premises.

Suitable to extract stale air directly to the outside or through short length ducting. Units can be wall/panel, ceiling and window mounted.

SPECIFICATION

Casing made of high quality ABS provides long lasting shock-proof and robust construction. The unit are finished in white RAL 9010 and are UV resistant.

Unique design winglet-type impeller, providing enhanced aerodynamic properties, low noise and increased efficiency.

Single-phase induction motors with integral thermal protection, mounted on sealed for life high quality sleeve bearings. Suitable for continuous and intermittent running.

FEATURES & BENEFITS

IPX4 protection degree

Automatic shutters for smooth and silent operation via integral thermo-actuator.

Tight closing of the shutters to prevent air flowing back from outside when the fan is off.

Totally recyclable plastic components, environmentally friendly.

Double insulated: no earth connection is required.

Tested to the latest standards: units are tested in the TÜV Rheinland recognised laboratory, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

VERSIONS

Basic

The fan is operated via a separate ON/OFF switch or the light switch.

Run-on timer

The fan is equipped with a timer circuit adjustable from $\pm 1'$ to 25'. Operation: after switching off, the fan continues to run for the pre-set period of time.

Humidistat & timer

The fan is provided with an electronic circuit having a humidity sensor on board (adjustable from 50% to 95% RH) and a timer, adjustable from $\pm 1'$ to 25'.

Operation: when the percentage of relative humidity is higher/lower than the pre-set threshold, the fan is automatically activated/ deactivated. After switching off, the fan continues to run for the pre-set period of time.

Pull cord

The fan is operated via the integrated ON/OFF pull cord switch.

Humidistat-timer-pull cord

The fan is provided with an electronic circuit having a humidity sensor on board (adjustable from 50% to 95% RH) and a timer, adjustable from $\pm 1'$ to 25'.

Operation: when the percentage of relative humidity is higher/lower than the pre-set threshold, the fan is automatically activated/ deactivated. After switching off, the fan continues to run for the pre-set period of time. The integrated pull cord switch activates/ deactivates the fan manually.

OPTIONS

Ball bearing motor

Ball bearing motor type to assure a longer fan life (30.000h): ideal for cold climates.

APPLICATIONS & MODEL VERSIONS

Model	Location	B	PC	T	HT	HTPC
EVWS 100	Bathroom	•	•	•	•	•
EVWS 120	Utility	•	•	•	•	•
EVWS 150	Kitchen	•	•	•	•	•

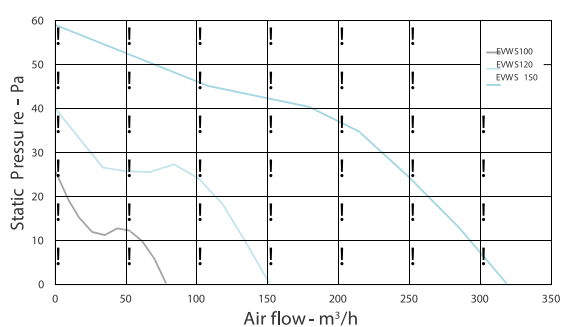
B- Basic, PC- Pull cord, T- Run on timer, HT- Humidistat/Timer, HTPC- Humidistat/Timer/ Cord

Performance

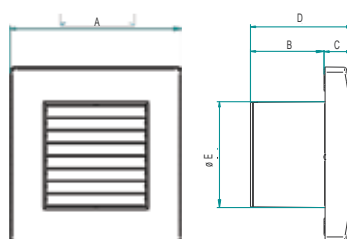
Model	EVWS 100	EVWS 120	EVWS 150
Airflow m ³ /h / cfm	83/48	151/88	320/188
Static pressure Pa max	27	40	59
Power W max	11	16	26
Sound Pressure dB(A) @3m	33	38	43
Ambient temperature °C max	50	50	50

- rated 220-240 V ~ 50-60Hz
- air performance measured according
- data measured in the TÜV Rheinland
- product certified by TÜV Rheinland

Performance Curves

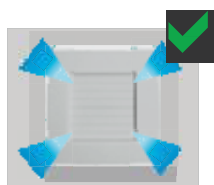


Dimensions (mm)



Code	EVWS 100	EVWS 120	EVWS 150
A	164	184	218
B	70	81	97
C	29	30	32
D	99	111	129
Ø E	99	119	148

Installation



central extraction



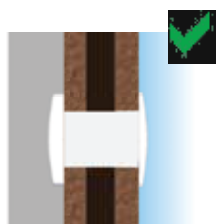
wall/panel



ceiling



window



Accessories



CG
ceiling gasket



S
window kit
with external gravity
shutters



G
window kit
with external fixed
grille



ES
external gravity
shutter

EVBA range

AXIAL EXTRACT FANS



DESCRIPTION

EVBA : Wall/Window/Ceiling mounted Axial Extract fan integrated with backdraught shutter.

EVBA/S : Wall/Window mounted Axial Extract fan with gravity shutter.

EVBA/G : Wall/Window mounted Axial Extract fan with external fixed grille.

NOTE :

*EVBA : Can be used as Wall Mounted And Ceiling Mounted, fan is integrated backdraught shutter.

SPECIFICATION

Casing made of high quality technopolymer provides long lasting shock-proof and robust construction. The unit is finished in white RAL 9010 and are UV resistant.

Unique design winglet-type impeller, providing enhanced aerodynamic properties, low noise and increased efficiency.

Single-phase induction motors with integral thermal protection, mounted on sealed for life high quality sleeve bearings. Suitable for intermittent running.

FEATURES & BENEFITS

IPX4 protection degree

Rigid optimised spigot support preventing distortion with strengthened guard and design to maximise airflow.

Back-draught shutter accessory on request to prevent air flowing back into the room when the fan is off.

Low power consumption: less than 8 watts operating power consumption for energy saving.

Totally recyclable plastic components, environmentally friendly.

Double insulated: no earth connection is required.

Tested to the latest standards: units are tested in the TÜV Rheinland recognised laboratory at Aerauliqa, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

VERSIONS

Standard

The fan is operated via a separate ON/ OFF switch or the light switch.

Run-on timer

The fan is equipped with a timer circuit adjustable from $\pm 1'$ to 25'.

Operation: after switching off, the fan continues to run for the pre-set period of time.

Article code

Model EVBA	100	100T
Code	PEVBA00000	PEVBA00001

Performance

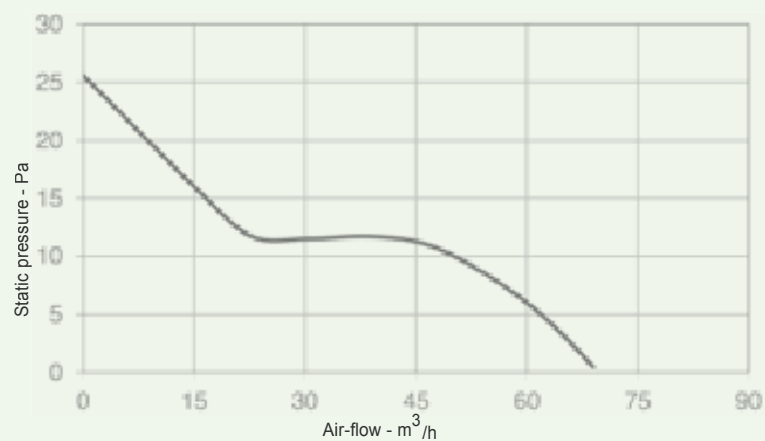
Model	EVBA 100
Air- flow m ³ /h /cfm	72/42
Power consumption W max	8
Sound pressure dB(A) @3m(1)	26
Ambient temperature °C max	50

- rated 220-240 V ~ 50-60Hz

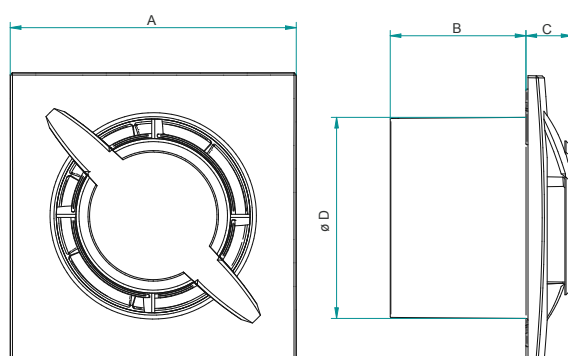
- air performance measured according to ISO 5801 at 230 V50Hz, air density 1,2 Kg/m³

- data measured in the TÜV Rheinland recognised laboratory in Aerauliqa (1) sound pressure level @ 3m in free field

Performance Curves



Dimensions (mm) & Weight



Model	EVBA100
A	140
B	67
C	23
Ø D	99
Weight Kg	0,41

EVWS/E-range

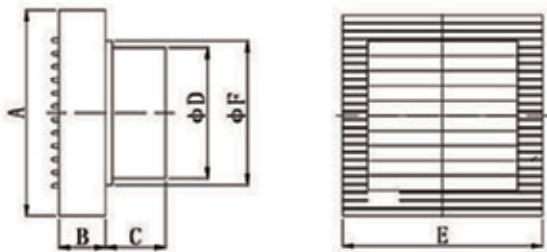
AXIAL EXTRACT FANS

Economical range



Electric Switch Wooden Finish Is Available

DIMENSIONS

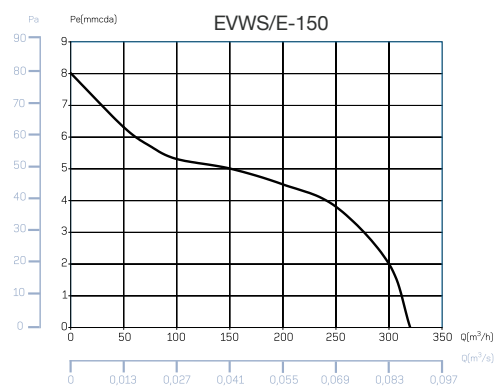
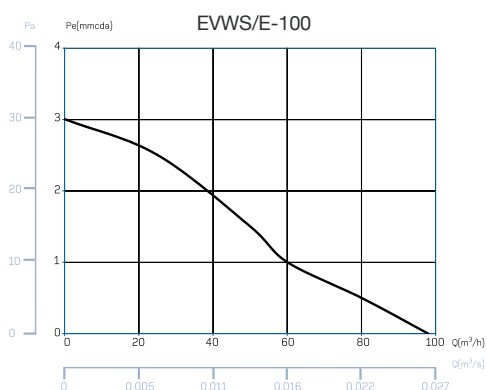


Performance

Model	A	B	C	D	E	F	Hole Size (mm)
EVWS/E-100	149	35	54	97	149	110	113
EVWS/E-150	208	45	73	149	208	164	164

Model	Power Supply	Use Area (m²)	Power (W)	Air-Flow (m³/h)/cfm	Noise [dB(A)]
EVWS/E-100	220v~/50Hz	6-10	15	100/58	40
EVWS/E-150	220v~/50Hz	16-22	25	300/176	43

Performance Curves



EV Smart



Glass/wall mounting fan to extract air directly outside.

- Glass, double glass, wall or panel mounting up to 50 mm thickness;
- Suitable for large and medium large environments;
- Slip resistant gaskets to prevent vibrations;
- Internal automatic shutter prevents ingress of air from outside while turned off;
- Ball bearing motor (except model 6/15");
- Reversible airflow, extraction and ventilation (AR version);
- Versions: M (Manual), A (Automatic), AR (Automatic and Reversible);
- Model options: T (Timer), HT (Humidistat and Timer);
- 5 speed regulation through RG 5 (optional), only A base versions or RG 5 AR (optional), only AR versions;
- In accordance with EN 80-2-600335 Standard.

FURTHER INFORMATION

- Original Euroventus coupling system
- Revolutionary installation from the inside of any building, by just one installer, thanks to the retractable external grille;
- EV Smart and fast mounting without screws;
- No need of screws to fix the connecting cable;
- EV Smart maintenance without need to remove the kit from the glass;
- T version: possible to delay switch off through adjustable timer from 2 to 25 minutes;
- HT version: automatic switch on when the humidity level is higher than the preset value, adjustable from %40 to %90 and delayed switch off through adjustable timer from 2 to 25 minutes

POSITIONING

- Wall mounting
- Glass mounting

Model	A	B	C	D	Ø Glass hole	Glass/ wall thickness
EV Smart 15/6"	223	223	110	33	184-195	3-50
EV Smart 23/9"	285	285	137	33	254-262	3-50
EV Smart 30/12"	360	360	140	33	324-337	3-50

FLOW RATE WITH RG5/RG5 AR

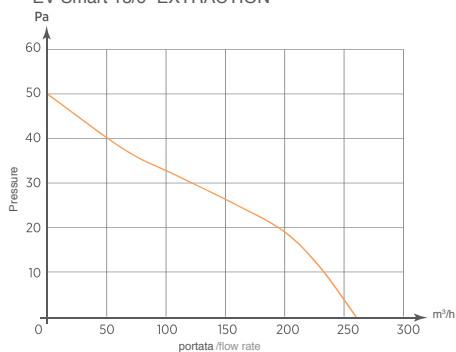
Model	Speed III	Speed II	Speed I	Speed III	Speed II
Max flow rate with RG5 controller					
EV Smart 6/15" A	65	95	135	200	260
Max flow rate with RG5 AR controller					
EV Smart 9/23" AR	150	250	330	450	660
EV Smart 12/30" AR	300	450	600	1000	1450

TECHNICAL DATA

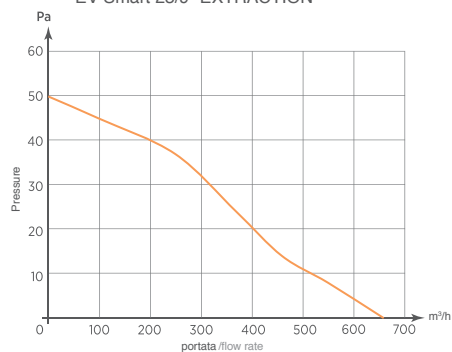
Model	Code	Ø Hole (mm)	Voltage (Volt)	Frequency (Hz)	Flow rate (m³/h)	Max press. (mm H ₂ O)	Max press. (Pa)	Power (W)	Noise dB(A)	Weight (Kg)
EV Smart 15/6" M	0070000	184-195	220-240	50	260	5,1	50	29	40	1,8
EV Smart 15/6" A	0070001	184-195	220-240	50	260	5,1	50	29	40	1,8
EV Smart 15/6" AT	0070002	184-195	220-240	50	260	5,1	50	29	40	1,8
EV Smart 15/6" A HT	0070003	184-195	220-240	50	260	5,1	50	29	40	1,8
EV Smart 23/9" M	0070200	254-262	220-240	50-60	660	5,1	50	29	43	3,2
EV Smart 23/9" AR	0070201	254-262	220-240	50-60	660	5,1	50	29	43	3,2
EV Smart 23/9" AR T	0070202	254-262	220-240	50-60	660	5,1	50	29	43	3,2
EV Smart 23/9" AR HT	0070203	254-262	220-240	50-60	660	5,1	50	29	43	3,2
EV Smart 30/12" M	0070400	324-337	220-240	50-60	1450	7,1	70	60	46	5
EV Smart 30/12" AR	0070401	324-337	220-240	50-60	1450	7,1	70	60	46	5
EV Smart 30/12" AR T	0070402	324-337	220-240	50-60	1450	7,1	70	60	46	5
EV Smart 30/12" AR HT	0070403	324-337	220-240	50-60	1450	7,1	70	60	46	5

FLOW CHARTS

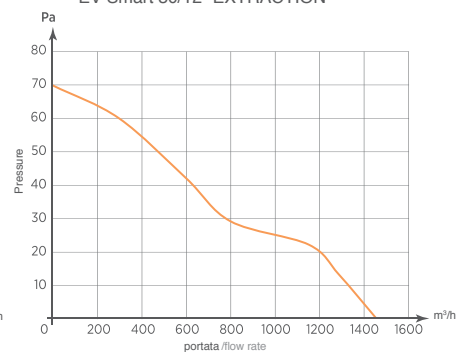
EV Smart 15/6" EXTRACTION



EV Smart 23/9" EXTRACTION



EV Smart 30/12" EXTRACTION



ACCESSORIES



Controllers




EURO Ventus®
★★★★★

SMOKE FAN

XCT



Smoke extraction for: **Car Park**

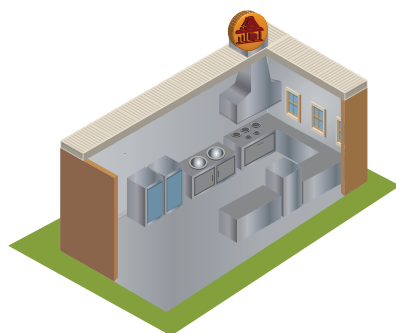
Fan Inside

Installation of fan inside
fire danger zone



Fan Outside

Installation of fan outside
fire danger zone



Smoke extraction for: **Industrial Kitchen**

Fan suitable for use in Industrial Kitchens for the correct application of the standard:

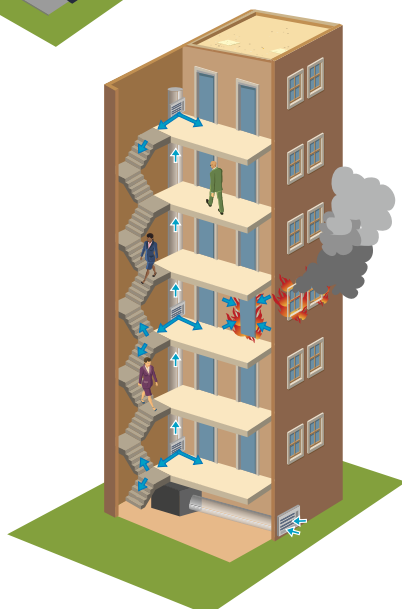
- C.T.E. Technical Building code basic SI document for the fire safety basic HS document for health and safety.



Smoke extraction for: **Industrial Building**

Fan suitable for use in Industrial buildings for the correct application of the standard:

- Regulation for Fire Safety in Industrial buildings, Royal decree 2267/2004, UNE-23585:2004 Fire Safety.



Control of smoke by different pressure for:

Escape Routes

Over pressure smoke control method: This system consists of pressurisation by means of the injection of air in spaces which are used as escape routes for people in case of fire, such as stairwells, passageways, corridors, elevators, etc. Above all in densely-occupied tall buildings. This method is based smoke control by means of the speed of air and the artificial barrier which is created by excess air pressure over smoke, so that it cannot enter escape routes. In accordance with standard EN-12101-6:2006

XCT

XCT: Cased axial fans 400°C/2h, 300°C/2h and 200°C/2h

XCT/ATEX: Cased axial fans 400°C/2h, 300°C/2h and 200°C/2h with ATEX certification



Detail XCT/Atex

Short casing axial fans for working inside fire danger zones.

XCT/ATEX: with ATEX certification, category 3 Ex II3G. In accordance with Spanish Low Voltage Regulation ITC 29 ATEX for Zone 2 rated car parks.

Fan:

- Sheet steel short casing. XCT/ATEX: with aluminium strip in the impeller area in accordance with Standard EN-14986:2005.
- Turnable cast aluminium impellers.
- Approval according to Standard EN-12101-3-2002.
- Airflow direction from motor to impeller.

Motor:

- Class H motors, ongoing use S1 and emergency use S2, with ball bearings, IP55 protection, and one or two speeds depending on the model.
- Three-phase 230/400V.-50Hz. (up to 4CV.) and 400/690V.-50Hz. (power over 4CV.)
- Max. temperature of air for transport: S1 Service -20°C+ 40°C for ongoing use, S2 Service 200°C/2h, 300°C/2h, 400°C/2h

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Long casing fans with inspection hatch
- 100% reversible impellers.

Order code

From size 40 to size 100

XCT — 56 — 4T — 2 — F-400

XCT: Short cased axial fans 400°C/2h, 300°C/2h and 200°C/2h

XCT/ATEX: Short cased axial fans 400°C/2h, 300°C/2h and 200°C/2h with ATEX certification

XCT/CL: Long cased axial fans 400°C/2h, 300°C/2h and 200°C/2h with long casing, equipped with an inspection door

Impeller diameter in cm.

Number of motor poles

2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz
8=750 r/min. 50 Hz
12=500 r/min. 50 Hz

T=Three-phase

Power motor (c.v.)

F-200 Officially approved 200°C/2h

F-300 Officially approved, tested for 300°C/2h

F-400 Officially approved 400°C/2h

CAT3: With ATEX certification, Category 3 Ex II3G.

From size 125 to size 160

XCT — 125 — 4T / 9-10 — 15 — F-400

XCT: Short cased axial fans 400°C/2h, 300°C/2h and 200°C/2h

XCT/CL: Long cased axial fans 400°C/2h, 300°C/2h and 200°C/2h with long casing, equipped with an inspection door

Impeller diameter in cm.

Number of motor poles

2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz
8=750 r/min. 50 Hz
12=500 r/min. 50 Hz

T=Three-phase

Number of blades

3 blades
6 blades
9 blades

Angle of inclination of the blades

Power motor (c.v.)

F-200 Officially approved 200°C/2h

F-300 Officially approved, tested for 300°C/2h

F-400 Officially approved 400°C/2h

CAT3: With ATEX certification, Category 3 Ex II3G.

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Power installed (kW)	Tilting angle blades (°)	Airflow maximum (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)	
		230V	400V	690V					Long	Short
XCT-40-2T-1,5	2880	4.70	2.70		1.10	20	7050	76	33	31
XCT-40-2/4T-1,5	2900 / 1450		2.90 / 1.10		1.10 / 0.25	20	7050 / 3525	76 / 61	34	32
XCT-40-2T-2	2880	5.90	3.40		1.50	24	7950	77	35	33
XCT-40-2/4T-2	2940 / 1460		4.40 / 1.40		1.50 / 0.37	24	7950 / 3975	77 / 62	35	33
XCT-40-4T-0,75	1420	2.90	1.70		0.55	32	4800	64	32	29
XCT-40-6T-0,75	930	3.30	1.90		0.55	32	3150	53	37	34
XCT-40-6/12T-0,75	940 / 460		2.10 / 0.90		0.55 / 0.09	32	3150 / 1575	53 / 38	41	38
XCT-45-2T-2	2880	5.90	3.40		1.50	16	9400	78	38	34
XCT-45-2/4T-2	2940 / 1460		4.40 / 1.40		1.50 / 0.37	16	9400 / 4700	78 / 63	37	34
XCT-45-2T-3	2900	8.70	5.00		2.20	22	11350	80	39	36
XCT-45-2/4T-3	2930 / 1450		5.70 / 1.80		2.20 / 0.60	22	11350 / 5675	80 / 65	39	36
XCT-45-4T-0,75	1420	2.90	1.70		0.55	36	7450	68	34	30
XCT-45-6T-0,75	930	3.30	1.90		0.55	30	4450	55	38	35
XCT-45-6/12T-0,75	940 / 460		2.10 / 0.90		0.55 / 0.09	30	4450 / 2225	55 / 40	42	39
XCT-50-2T-4	2880	11.20	6.50		3.00	16	13900	82	49	42
XCT-50-2/4T-4	2920 / 1440		6.70 / 2.00		3.00 / 0.80	16	13900 / 6950	82 / 67	51	44
XCT-50-2T-5,5	2890	16.00	9.30		4.00	20	15900	83	65	57
XCT-50-2/4T-6	2930 / 1450		10.00 / 3.20		4.50 / 1.30	20	15900 / 7950	83 / 68	67	60
XCT-50-4T-1	1430	3.80	2.20		0.75	28	9750	69	37	33
XCT-50-6T-0,75	930	3.30	1.90		0.55	32	7000	57	40	36
XCT-50-6/12T-0,75	940 / 460		2.10 / 0.90		0.55 / 0.09	32	7000 / 3500	57 / 42	44	40
XCT-56-2T-5,5	2890	16.00	9.30		4.00	16	18800	88	69	60
XCT-56-2/4T-6	2930 / 1450		10.00 / 3.20		4.50 / 1.30	16	18800 / 9400	88 / 72	71	63
XCT-56-2T-12	2950		19.20	11.09	9.00	30	27200	89	147	139
XCT-56-2/4T-12	2920 / 1440		18.50 / 5.50		9.00 / 2.50	30	27200 / 13600	89 / 74	137	129
XCT-56-4T-1	1430	3.80	2.20		0.75	22	11250	73	45	40
XCT-56-4T-1,5	1420	4.70	2.70		1.10	30	13600	74	44	40
XCT-56-4/8T-1,5	1440 / 710		2.90 / 1.40		1.10 / 0.25	30	13600 / 6800	74 / 59	48	43
XCT-56-4T-2	1425	6.60	3.80		1.50	36	15050	75	48	43
XCT-56-4/8T-2	1415 / 715		3.60 / 1.50		1.50 / 0.30	36	15050 / 7525	75 / 60	59	55
XCT-56-6T-0,75	930	3.30	1.90		0.55	38	10150	62	44	39
XCT-56-6/12T-0,75	940 / 460		2.10 / 0.90		0.55 / 0.09	38	10150 / 5075	62 / 47	48	43
XCT-63-2T-12	2950		19.20	11.09	9.00	18	32300	90	161	143
XCT-63-2/4T-12	2920 / 1440		18.50 / 5.50		9.00 / 2.50	18	32300 / 16150	90 / 75	151	133
XCT-63-2T-22	2960		32.30	18.65	16.00	28	39950	91	188	170
XCT-63-2/4T-22	2960 / 1480		32.30 / 8.90		16.00 / 4.00	28	39950 / 19975	91 / 76	188	170
XCT-63-4T-1	1430	3.80	2.20		0.75	14	15200	73	49	43
XCT-63-4T-1,5	1420	4.70	2.70		1.10	20	17800	74	51	45
XCT-63-4/8T-1,5	1440 / 710		2.90 / 1.40		1.10 / 0.25	20	17800 / 8900	74 / 59	55	49
XCT-63-4T-2	1425	6.60	3.80		1.50	24	19300	75	55	49
XCT-63-4/8T-2	1415 / 715		3.60 / 1.50		1.50 / 0.30	24	19300 / 9650	75 / 60	70	60
XCT-63-4T-3	1435	9.20	5.30		2.20	32	22150	76	64	54
XCT-63-4/8T-3	1415 / 715		5.20 / 1.90		2.20 / 0.45	32	22150 / 11075	76 / 61	77	66
XCT-63-4T-4	1430	11.40	6.60		3.00	38	24250	77	73	63
XCT-63-4/8T-4	1420 / 705		6.90 / 2.30		3.00 / 0.60	38	24250 / 12125	77 / 62	86	77
XCT-63-6T-0,75	930	3.30	1.90		0.55	28	13600	65	51	45
XCT-63-6/12T-0,75	940 / 460		2.10 / 0.90		0.55 / 0.09	28	13600 / 6800	65 / 50	55	49
XCT-63-6T-1	940	4.40	2.60		0.75	38	15900	66	54	48
XCT-63-6/12T-1	935 / 430		2.50 / 1.03		0.75 / 0.15	38	15900 / 7950	66 / 51	61	55
XCT-71-4T-1,5	1420	4.70	2.70		1.10	12	19500	78	58	52
XCT-71-4/8T-1,5	1440 / 710		2.90 / 1.40		1.10 / 0.25	12	19500 / 9750	78 / 63	61	56
XCT-71-4T-2	1425	6.60	3.80		1.50	14	20900	79	61	56
XCT-71-4/8T-2	1415 / 715		3.60 / 1.50		1.50 / 0.30	14	20900 / 10450	79 / 64	76	67

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Power installed (kW)	Tilting angle blades (°)	Airflow maximum (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)	
		230V	400V	690V					Long	Short
XCT-71-4T-3	1435	9.20	5.30		2.20	22	25100	81	70	61
XCT-71-4/8T-3	1415 / 715		5.20 / 1.90		2.20 / 0.45	22	25100 / 12550	81 / 66	82	74
XCT-71-4T-4	1430	11.40	6.60		3.00	28	27500	82	79	70
XCT-71-4/8T-4	1420 / 705		6.90 / 2.30		3.00 / 0.60	28	27500 / 13750	82 / 67	92	83
XCT-71-6T-0,75	930	3.30	1.90		0.55	20	16100	67	57	52
XCT-71-6/12T-0,75	940 / 460		2.10 / 0.90		0.55 / 0.09	20	16100 / 8050	67 / 52	61	56
XCT-71-6T-1	940	4.40	2.60		0.75	26	17300	68	61	55
XCT-71-6/12T-1	935 / 430		2.50 / 1.03		0.75 / 0.15	26	17300 / 8650	68 / 53	67	62
XCT-71-6T-1,5	945	6.40	3.70		1.10	34	19950	69	69	61
XCT-71-6/12T-1,5	940 / 450		3.30 / 1.20		1.10 / 0.18	34	19950 / 9975	69 / 54	77	69
XCT-80-4T-3	1435	9.20	5.30		2.20	12	25450	82	79	69
XCT-80-4/8T-3	1415 / 715		5.20 / 1.90		2.20 / 0.45	12	25450 / 12725	82 / 67	91	82
XCT-80-4T-4	1430	11.40	6.60		3.00	16	30250	83	88	78
XCT-80-4/8T-4	1420 / 705		6.90 / 2.30		3.00 / 0.60	16	30250 / 15125	83 / 68	101	92
XCT-80-4T-5,5	1440		8.40	4.85	4.00	18	32750	84	94	85
XCT-80-4/8T-5,5	1450 / 720		9.40 / 3.50		4.00 / 0.80	18	32750 / 16375	84 / 69	127	118
XCT-80-6T-1,5	945	6.40	3.70		1.10	18	21450	72	78	69
XCT-80-6/12T-1,5	940 / 450		3.30 / 1.20		1.10 / 0.18	18	21450 / 10725	72 / 57	86	77
XCT-80-6T-2	945	7.40	4.30		1.50	26	25950	73	87	78
XCT-80-6/12T-2	960 / 470		4.30 / 1.70		1.50 / 0.25	26	25950 / 12975	73 / 58	91	82
XCT-80-6T-3	950	10.30	5.90		2.20	32	29950	74	94	84
XCT-80-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	32	29950 / 14975	74 / 59	100	91
XCT-80-8T-0,75	700	3.60	2.10		0.55	20	17550	70	71	62
XCT-80-8T-1	710	4.80	2.80		0.75	28	20650	71	78	69
XCT-90-4T-4	1430	11.40	6.60		3.00	8	33600	87	110	93
XCT-90-4/8T-4	1420 / 705		6.90 / 2.30		3.00 / 0.60	8	33600 / 16800	87 / 72	124	106
XCT-90-4T-5,5	1440		8.40	4.85	4.00	12	38900	89	117	99
XCT-90-4/8T-5,5	1450 / 720		9.40 / 3.50		4.00 / 0.80	12	38900 / 19450	89 / 74	150	132
XCT-90-4T-7,5	1430		11.50	6.64	5.50	18	46150	91	143	126
XCT-90-4/8T-7,5	1455 / 725		12.80 / 4.60		5.50 / 1.10	18	46150 / 23075	91 / 76	157	140
XCT-90-4T-10	1460		17.70	10.22	7.50	22	50150	92	154	137
XCT-90-4/8T-9	1455 / 725		15.50 / 5.50		6.70 / 1.50	22	50150 / 25075	92 / 77	157	140
XCT-90-6T-2	945	7.40	4.30		1.50	16	28800	77	110	92
XCT-90-6/12T-2	960 / 470		4.30 / 1.70		1.50 / 0.25	16	28800 / 14400	77 / 62	114	96
XCT-90-6T-3	950	10.30	5.90		2.20	24	34000	78	116	99
XCT-90-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	24	34000 / 17000	78 / 63	123	105
XCT-90-6T-4	945	15.00	8.70		3.00	30	38900	79	142	124
XCT-90-6/12T-4	970 / 475		8.90 / 3.50		3.00 / 0.55	30	38900 / 19450	79 / 64	143	126
XCT-90-8T-1	710	4.80	2.80		0.75	18	22900	71	100	84
XCT-90-8T-2	700	9.00	5.20		1.50	30	29500	73	116	99
XCT-90-8T-3	705	13.20	7.60		2.20	32	30850	74	134	116
XCT-100-4T-7,5	1430		11.50	6.64	5.50	10	46850	92	151	131
XCT-100-4/8T-7,5	1455 / 725		12.80 / 4.60		5.50 / 1.10	10	46850 / 23425	92 / 77	165	145
XCT-100-4T-10	1460		17.70	10.22	7.50	16	57400	93	162	142
XCT-100-4/8T-9	1455 / 725		15.50 / 5.50		6.70 / 1.50	14	54700 / 27350	93 / 78	165	145
XCT-100-4T-15	1455		23.00	13.28	11.00	22	66300	94	215	195
XCT-100-4/8T-15	1470 / 725		23.20 / 8.70		11.00 / 2.80	22	66300 / 33150	94 / 79	215	195
XCT-100-4T-20	1460		29.00	16.74	15.00	28	76150	95	230	210
XCT-100-4/8T-20	1470 / 725		31.70 / 11.80		15.00 / 3.80	28	76150 / 38075	95 / 80	230	210
XCT-100-6T-3	950	10.30	5.90		2.20	16	37600	82	124	105
XCT-100-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	16	37600 / 18800	82 / 67	130	112
XCT-100-6T-4	945	15.00	8.70		3.00	20	41150	83	150	130
XCT-100-6/12T-4	970 / 475		8.90 / 3.50		3.00 / 0.55	20	41150 / 20575	83 / 68	151	131
XCT-100-6T-5,5	970		11.00	6.35	4.00	26	47800	84	162	142
XCT-100-6/12T-5,5	970 / 480		11.30 / 4.20		4.00 / 0.65	26	47800 / 23900	84 / 69	162	142

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Power installed (kW)	Tilting angle blades (°)	Airflow maximum (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)	
		230V	400V	690V					Long	Short
XCT-100-8T-2	700	9.00	5.20		1.50	22	32900	77	124	105
XCT-100-8T-3	705	13.20	7.60		2.20	30	39400	77	142	122
XCT-100-8T-4	710	15.60	9.00		3.00	32	40550	78	162	142
XCT-125-4T/3-10	1460		17.70	10.22	7.50	8	58550	88	243	210
XCT-125-4/8T/3-9	1455 / 725		15.50 / 5.50		6.70 / 1.50	8	58550 / 29275	88 / 68	243	210
XCT-125-4T/3-15	1455		23.00	13.28	11.00	14	77750	89	294	266
XCT-125-4/8T/3-15	1470 / 725		23.20 / 8.70		11.00 / 2.80	14	77750 / 38875	89 / 69	294	266
XCT-125-4T/3-20	1460		29.00	16.74	15.00	18	91450	91	309	281
XCT-125-4/8T/3-20	1470 / 725		31.70 / 11.80		15.00 / 3.80	18	91450 / 45725	91 / 71	309	281
XCT-125-4T/3-25	1465		37.00	21.36	18.50	20	98350	91	377	334
XCT-125-4T/3-30	1470		42.00	24.25	22.00	24	110350	92	391	348
XCT-125-4/8T/3-27	1470 / 735		38.00 / 13.00		20.00 / 4.00	22	104400 / 52200	92 / 71	391	348
XCT-125-4/8T/3-37	1475 / 735		51.00 / 20.60		27.00 / 6.00	28	120700 / 60350	93 / 72	472	429
XCT-125-4T/3-40	1475		58.00	33.49	30.00	30	125000	93	472	429
XCT-125-4/8T/3-40	1480 / 735		62.00 / 27.00		30.00 / 10.00	30	125000 / 62500	93 / 72	618	562
XCT-125-4T/6-20	1460		29.00	16.74	15.00	10	78600	89	318	290
XCT-125-4/8T/6-20	1470 / 725		31.70 / 11.80		15.00 / 3.80	10	78600 / 39300	89 / 68	318	290
XCT-125-4/8T/6-22	1470 / 735		31.80 / 12.00		16.50 / 3.30	12	85600 / 42800	89 / 69	303	275
XCT-125-4T/6-25	1465		37.00	21.36	18.50	14	92550	90	386	343
XCT-125-4/8T/6-27	1470 / 735		38.00 / 13.00		20.00 / 4.00	16	98850 / 49425	90 / 69	400	357
XCT-125-4T/6-30	1470		42.00	24.25	22.00	16	98850	90	400	357
XCT-125-4/8T/6-37	1475 / 735		51.00 / 20.60		27.00 / 6.00	20	110900 / 55450	90 / 70	481	437
XCT-125-4T/6-40	1475		58.00	33.49	30.00	22	117450	92	481	437
XCT-125-4/8T/6-40	1480 / 735		62.00 / 27.00		30.00 / 10.00	22	117450 / 58725	92 / 71	627	571
XCT-125-4T/6-50	1480		73.00	42.15	37.00	26	131050	93	529	473
XCT-125-4T/9-25	1465		37.00	21.36	18.50	10	79650	88	395	352
XCT-125-4/8T/9-22	1470 / 735		31.80 / 12.00		16.50 / 3.30	8	71150 / 35575	88 / 69	312	284
XCT-125-4T/9-30	1470		42.00	24.25	22.00	12	88300	89	409	366
XCT-125-4/8T/9-27	1470 / 735		38.00 / 13.00		20.00 / 4.00	12	88300 / 44150	89 / 70	409	366
XCT-125-4/8T/9-37	1475 / 735		51.00 / 20.60		27.00 / 6.00	16	104050 / 52025	90 / 70	490	446
XCT-125-4T/9-40	1475		58.00	33.49	30.00	16	104050	91	490	446
XCT-125-4/8T/9-40	1480 / 735		62.00 / 27.00		30.00 / 10.00	16	104050 / 52025	91 / 71	636	580
XCT-125-4T/9-50	1480		73.00	42.15	37.00	20	118400	93	538	482
XCT-125-6T/3-4	945	15.00	8.70		3.00	12	46750	79	230	197
XCT-125-6/12T/3-4	970 / 475		8.90 / 3.50		3.00 / 0.55	12	46750 / 23375	79 / 64	232	199
XCT-125-6T/3-5,5	970		11.00	6.35	4.00	16	55400	80	242	209
XCT-125-6/12T/3-5,5	970 / 480		11.30 / 4.20		4.00 / 0.65	16	55400 / 27700	80 / 65	243	210
XCT-125-6T/3-7,5	970		14.00	8.08	5.50	22	68400	81	249	216
XCT-125-6/12T/3-7,5	970 / 480		13.70 / 5.60		5.50 / 1.00	22	68400 / 34200	81 / 66	263	230
XCT-125-6T/3-10	960		18.60	10.74	7.50	28	79150	83	274	246
XCT-125-6/12T/3-10	970 / 480		19.00 / 8.00		7.50 / 1.40	28	79150 / 39575	83 / 68	294	266
XCT-125-6T/3-15	955		26.00	15.01	11.00	34	87150	84	304	276
XCT-125-6/12T/3-15	970 / 470		28.50 / 13.00		11.00 / 2.00	34	87150 / 43575	84 / 69	309	281
XCT-125-6T/3-20	950		35.50	20.50	15.00	38	91650	85	377	334
XCT-125-6/12T/3-24	970 / 480		36.00 / 14.50		17.50 / 3.50	38	91650 / 45825	85 / 70	472	429
XCT-125-6T/6-5,5	970		11.00	6.35	4.00	10	51500	77	251	218
XCT-125-6/12T/6-5,5	970 / 480		11.30 / 4.20		4.00 / 0.65	10	51500 / 25750	77 / 62	252	219
XCT-125-6T/6-7,5	970		14.00	8.08	5.50	14	60650	77	258	225
XCT-125-6/12T/6-7,5	970 / 480		13.70 / 5.60		5.50 / 1.00	14	60650 / 30325	77 / 62	272	239
XCT-125-6T/6-10	960		18.60	10.74	7.50	20	72650	79	283	255
XCT-125-6/12T/6-10	970 / 480		19.00 / 8.00		7.50 / 1.40	20	72650 / 36325	79 / 64	303	275
XCT-125-6T/6-15	955		26.00	15.01	11.00	26	85850	81	313	285
XCT-125-6/12T/6-15	970 / 470		28.50 / 13.00		11.00 / 2.00	26	85850 / 42925	81 / 66	318	290
XCT-125-6T/6-20	950		35.50	20.50	15.00	30	92850	82	386	343

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Power installed (kW)	Tilting angle blades (°)	Airflow maximum (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)	
		230V	400V	690V					Long	Short
XCT-125-6/12T/6-24	970 / 480	36.00 / 14.50			17.50 / 3.50	34	99650 / 49825	82 / 67	481	437
XCT-125-6T/9-10	960	18.60			10.74	7.50	14	63500	78	292 264
XCT-125-6/12T/9-10	970 / 480	19.00 / 8.00			7.50 / 1.40	14	63500 / 31750	78 / 63	312	284
XCT-125-6T/9-15	955	26.00			15.01	11.00	20	77550	81	322 294
XCT-125-6/12T/9-15	970 / 470	28.50 / 13.00			11.00 / 2.00	20	77550 / 38775	81 / 66	327	299
XCT-125-6T/9-20	950	35.50			20.50	15.00	26	92950	84	395 352
XCT-125-6/12T/9-24	970 / 480	36.00 / 14.50			17.50 / 3.50	30	98500 / 49250	84 / 69	490	446
XCT-140-6T/3-5,5	970	11.00			6.35	4.00	8	51300	83	279 242
XCT-140-6T/3-7,5	970	14.00			8.08	5.50	14	68150	84	287 250
XCT-140-6T/3-10	960	18.60			10.74	7.50	18	80200	85	339 300
XCT-140-6T/3-15	955	26.00			15.01	11.00	24	96700	86	356 317
XCT-140-6T/3-20	950	35.50			20.50	15.00	30	109600	88	436 386
XCT-140-6T/6-7,5	970	14.00			8.08	5.50	8	62800	84	297 260
XCT-140-6T/6-10	960	18.60			10.74	7.50	10	68900	85	349 310
XCT-140-6T/6-15	955	26.00			15.01	11.00	16	86650	86	366 327
XCT-140-6T/6-20	950	35.50			20.50	15.00	22	102950	87	445 396
XCT-140-6T/6-25	975	34.40			19.86	18.50	24	108750	88	497 448
XCT-140-6T/6-30	975	41.40			23.90	22.00	28	119050	89	506 457
XCT-140-6T/9-10	960	18.60			10.74	7.50	8	62350	84	358 319
XCT-140-6T/9-15	955	26.00			15.01	11.00	12	77400	86	375 336
XCT-140-6T/9-20	950	35.50			20.50	15.00	16	91200	87	455 405
XCT-140-6T/9-25	975	34.40			19.86	18.50	20	103800	88	506 458
XCT-140-6T/9-30	975	41.40			23.90	22.00	22	111000	89	515 467
XCT-140-6T/9-40	985	54.20			31.29	30.00	28	128800	91	673 611
XCT-140-6T/9-50	980	66.40			38.34	37.00	32	135750	92	751 696
XCT-140-8T/3-3	705	13.20	7.60		2.20	12	47400	78	279	242
XCT-140-8T/3-4	710	15.60	9.00		3.00	16	56200	78	287	250
XCT-140-8T/3-5,5	710	13.00			7.51	4.00	20	65350	79	337 298
XCT-140-8T/3-7,5	710	15.10			8.72	5.50	26	77400	81	346 307
XCT-140-8T/3-10	715	20.60			11.89	7.50	32	85900	82	357 318
XCT-140-8T/6-3	705	13.20	7.60		2.20	8	47600	78	289	252
XCT-140-8T/6-4	710	15.60	9.00		3.00	10	52250	79	297	260
XCT-140-8T/6-5,5	710	13.00			7.51	4.00	14	61500	80	347 308
XCT-140-8T/6-7,5	710	15.10			8.72	5.50	18	69550	81	356 317
XCT-140-8T/6-10	715	20.60			11.89	7.50	24	82700	82	367 328
XCT-140-8T/6-15	725	21.70			12.53	11.00	30	94150	83	453 404
XCT-140-8T/9-4	710	15.60	9.00		3.00	8	47250	79	306	269
XCT-140-8T/9-5,5	710	13.00			7.51	4.00	10	52950	79	356 317
XCT-140-8T/9-7,5	710	15.10			8.72	5.50	14	64400	81	365 326
XCT-140-8T/9-10	715	20.60			11.89	7.50	18	73900	82	376 337
XCT-140-8T/9-15	725	21.70			12.53	11.00	26	94300	83	463 413
XCT-140-8T/9-20	725	32.90			18.99	15.00	32	102900	86	516 468
XCT-160-6T/3-10	960	18.60			10.74	7.50	8	76600	83	412 358
XCT-160-6T/3-15	955	26.00			15.01	11.00	12	93350	85	429 375
XCT-160-6T/3-20	950	35.50			20.50	15.00	18	119700	86	522 453
XCT-160-6T/3-25	975	34.40			19.86	18.50	22	136600	87	574 504
XCT-160-6T/3-30	975	41.40			23.90	22.00	24	144550	89	583 513
XCT-160-6T/6-15	955	26.00			15.01	11.00	8	93750	85	440 386
XCT-160-6T/6-20	950	35.50			20.50	15.00	12	112000	86	532 463
XCT-160-6T/6-25	975	34.40			19.86	18.50	14	121100	87	584 515
XCT-160-6T/6-30	975	41.40			23.90	22.00	16	129350	88	593 524
XCT-160-6T/6-40	985	54.20			31.29	30.00	22	153700	89	768 669
XCT-160-6T/6-50	980	66.40			38.34	37.00	26	170800	91	842 757
XCT-160-6T/9-15	955	26.00			15.01	11.00	8	93100	85	450 396

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Power installed (kW)	Tilting angle blades (°)	Airflow maximum (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)	
		230V	400V	690V					Long	Short
XCT-160-6T/9-20	950		35.50	20.50	15.00	8	93100	86	542	473
XCT-160-6T/9-25	975		34.40	19.86	18.50	10	104250	87	594	525
XCT-160-6T/9-30	975		41.40	23.90	22.00	14	126800	88	603	534
XCT-160-6T/9-40	985		54.20	31.29	30.00	18	145500	89	778	679
XCT-160-6T/9-50	980		66.40	38.34	37.00	20	154950	90	852	768
XCT-160-6T/9-60	985		84.50	48.79	45.00	24	176750	91	1067	968
XCT-160-6T/9-75	985		100.00	57.74	55.00	28	192300	92	1112	1013
XCT-160-8T/3-4	710	15.60	9.00		3.00	8	58050	77	356	304
XCT-160-8T/3-5,5	710		13.00	7.51	4.00	12	70750	79	410	356
XCT-160-8T/3-7,5	710		15.10	8.72	5.50	16	83900	80	419	365
XCT-160-8T/3-10	715		20.60	11.89	7.50	20	97550	81	430	376
XCT-160-8T/3-15	725		21.70	12.53	11.00	26	115550	83	530	461
XCT-160-8T/6-5,5	710		13.00	7.51	4.00	8	71050	77	421	367
XCT-160-8T/6-7,5	710		15.10	8.72	5.50	10	77950	79	430	376
XCT-160-8T/6-10	715		20.60	11.89	7.50	14	91800	80	441	387
XCT-160-8T/6-15	725		21.70	12.53	11.00	18	103800	82	540	471
XCT-160-8T/6-20	725		32.90	18.99	15.00	24	123050	83	594	525
XCT-160-8T/6-25	730		34.90	20.15	18.50	28	134700	84	741	642
XCT-160-8T/9-7,5	710		15.10	8.72	5.50	8	70550	79	440	386
XCT-160-8T/9-10	715		20.60	11.89	7.50	10	79000	80	451	397
XCT-160-8T/9-15	725		21.70	12.53	11.00	14	96100	82	550	481
XCT-160-8T/9-20	725		32.90	18.99	15.00	18	110300	83	604	535
XCT-160-8T/9-25	730		34.90	20.15	18.50	22	125600	84	751	652
XCT-160-8T/9-30	730		41.10	23.73	22.00	26	140750	85	776	677
XCT-160-8T/9-40	730		56.30	32.50	30.00	32	153550	86	837	753

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

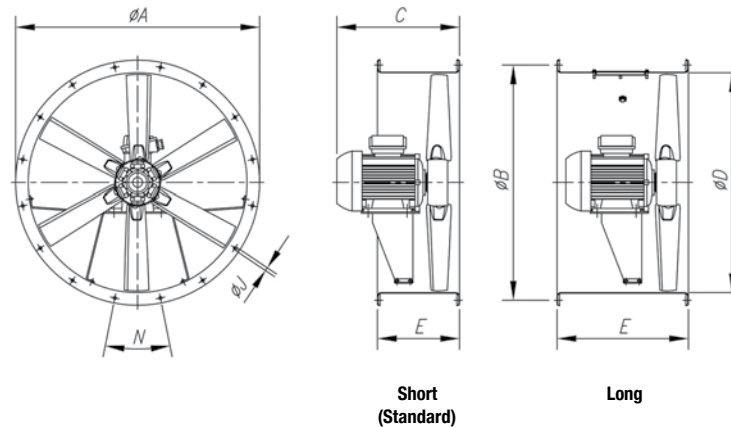
Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
XCT-XCT-XCT-40-2-1.548	69	76	81	84	80	80	73	62	XCT-63-4-1	50	70	78	83	85	82	75	64
XCT-40-2-2	49	70	77	82	85	81	74	63	XCT-63-4-1.5	48	68	76	81	83	80	73	65
XCT-40-4-0.75	36	57	64	69	72	68	61	50	XCT-63-4-2	52	68	76	81	83	80	73	66
XCT-40-4-1.5	33	54	61	66	69	65	58	47	XCT-63-4-3	53	70	78	83	85	82	77	67
XCT-40-4-2	34	55	62	67	70	66	59	48	XCT-63-4-4	54	71	79	84	86	83	78	68
XCT-40-6	25	46	53	58	61	57	50	39	XCT-63-4-12	52	72	80	85	87	84	77	66
XCT-40-12	10	31	38	43	46	42	35	24	XCT-63-4-22	53	73	81	86	88	85	78	67
XCT-45-2-2	50	71	78	83	86	82	75	64	XCT-63-6-0.75	42	60	68	73	75	72	65	56
XCT-45-2-3	52	73	80	85	88	84	77	66	XCT-63-6-1	43	62	70	75	77	74	67	57
XCT-45-4-0.75	40	61	68	73	76	72	65	54	XCT-63-8-1.5	33	53	61	66	68	65	58	50
XCT-45-4-2	35	56	63	68	71	67	60	49	XCT-63-8-2	37	53	61	66	68	65	58	51
XCT-45-4-3	37	58	65	70	73	69	62	51	XCT-63-8-3	38	55	63	68	70	67	62	52
XCT-45-6	27	48	55	60	63	59	52	41	XCT-63-8-4	39	56	64	69	71	68	63	53
XCT-45-12	12	33	40	45	48	44	37	26	XCT-63-12-0.75	27	43	51	56	58	55	48	37
XCT-50-2-4	57	77	85	90	92	89	82	71	XCT-63-12-1	28	45	53	58	60	57	50	42
XCT-50-2-5.5	58	78	86	91	93	90	83	72	XCT-71-4-1.5	54	74	82	87	89	86	79	69
XCT-50-2-6	58	78	86	91	93	90	83	72	XCT-71-4-2	53	73	81	86	88	85	78	70
XCT-50-4-1	44	64	72	77	79	76	69	58	XCT-71-4-3	58	72	80	85	87	84	77	71
XCT-50-4-4	42	62	70	75	77	74	67	56	XCT-71-4-4	59	73	81	86	88	85	78	72
XCT-50-4-6	43	63	71	76	78	75	68	57	XCT-71-6-0.75	44	63	72	74	76	73	66	55
XCT-50-6	32	52	60	65	67	64	57	46	XCT-71-6-1	45	65	73	75	77	74	67	56
XCT-50-12	17	37	45	50	52	49	42	31	XCT-71-6-1.5	46	66	71	76	78	75	68	57
XCT-50-2-5.5	63	83	91	96	98	95	88	77	XCT-71-8-1.5	38	58	66	71	73	70	63	54
XCT-56-2-6	63	83	91	96	98	95	88	77	XCT-71-8-2	38	58	66	71	73	70	63	55
XCT-56-2-12	64	84	92	97	99	96	89	78	XCT-71-8-3	43	57	65	70	72	69	62	56
XCT-56-4-1	48	68	76	81	83	80	73	62	XCT-71-8-4	44	58	66	71	73	70	63	57
XCT-56-4-1.5	49	69	77	82	84	81	74	63	XCT-71-12-0.75	29	44	52	57	59	56	49	38
XCT-56-4-2	50	70	78	83	85	82	75	64	XCT-71-12-1	30	46	54	59	61	58	51	40
XCT-56-4-6	48	68	76	81	83	80	73	62	XCT-71-12-1.5	31	46	54	59	61	58	51	40
XCT-56-4-12	49	69	77	82	84	81	74	63	XCT-80-4-3	57	77	85	90	92	89	82	73
XCT-56-6	37	57	65	70	72	69	62	51	XCT-80-4-4	56	76	84	89	91	88	81	74
XCT-56-8-1.5	34	54	62	67	69	66	59	48	XCT-80-4-5.5	56	76	84	89	91	88	81	70
XCT-56-8-2	35	55	63	68	70	67	60	49	XCT-80-6-1.5	49	66	74	79	81	78	71	60
XCT-56-12	22	42	50	55	57	54	47	36	XCT-80-6-2	50	67	75	80	82	79	72	61
XCT-63-2-12	67	87	95	100	102	99	92	81	XCT-80-6-3	51	68	76	81	83	80	73	62
XCT-63-2-22	68	88	96	101	103	100	93	82	XCT-80-8-0.75	47	60	68	73	75	72	65	54

Acoustic features

Sound power $L_w(A)$ spectrum in dB(A) via frequency band in Hz.

XCT- 80-8-1	48	61	69	74	76	73	66	55	XCT-125-12/6-15	49	58	71	74	75	72	61	57
XCT- 80-8-3	42	62	70	75	77	74	67	58	XCT-125-12/6-24	50	59	72	75	76	73	62	58
XCT- 80-8-4	41	61	69	74	76	73	66	59	XCT-125-4/9-22	66	74	91	97	98	93	88	84
XCT- 80-8-5.5	40	60	68	73	75	72	65	59	XCT-125-4/9-25	66	74	91	97	98	93	88	84
XCT- 80-12-1.5	34	49	57	62	64	61	54	43	XCT-125-4/9-27	67	75	92	98	99	94	89	85
XCT- 80-12-2	35	50	58	63	65	62	55	44	XCT-125-4/9-30	67	75	92	98	99	94	89	85
XCT- 80-12-3	36	51	59	64	66	63	56	45	XCT-125-4/9-37	68	76	93	99	100	95	90	86
XCT- 90-4-4	61	82	89	94	97	93	86	79	XCT-125-4/9-40	69	77	94	100	101	96	91	87
XCT- 90-4-5.5	60	81	88	93	96	92	85	74	XCT-125-4/9-50	71	79	96	102	103	98	93	89
XCT- 90-4-7.5	59	80	87	92	95	91	84	73	XCT-125-6/9-10	58	68	83	87	86	85	74	70
XCT- 90-4-9	58	79	86	91	94	90	83	72	XCT-125-6/9-15	61	71	86	90	89	88	77	73
XCT- 90-4-10	58	79	86	91	94	90	83	72	XCT-125-6/9-20	64	74	89	93	92	91	80	76
XCT- 90-6-2	49	70	77	82	85	81	74	63	XCT-125-6/9-24	64	74	89	93	92	91	80	76
XCT- 90-6-3	56	70	77	82	85	81	74	63	XCT-125-8/9-22	47	55	72	78	79	74	69	65
XCT-90-6-4	57	72	79	84	87	83	76	65	XCT-125-8/9-27	48	56	73	79	80	75	70	66
XCT-90-8-1	42	63	70	75	78	74	67	56	XCT-125-8/9-37	48	56	73	79	80	75	70	66
XCT-90-8-2	51	66	73	78	81	77	70	59	XCT-125-8/9-40	49	57	74	80	81	76	71	67
XCT-90-8-3	52	66	73	78	81	77	70	59	XCT-125-12/9-10	43	53	68	72	71	70	59	55
XCT-90-8-4	46	67	74	79	82	78	71	64	XCT-125-12/9-15	46	56	71	75	74	73	62	58
XCT-90-8-5.5	45	66	73	78	81	77	70	59	XCT-125-12/9-24	49	59	74	78	77	76	65	61
XCT-90-8-7.5	43	64	71	76	79	75	68	57	XCT-140-6/3-5.5	69	79	87	92	91	90	77	77
XCT-90-8-9	43	64	71	76	79	75	68	57	XCT-140-6/3-7.5	70	80	88	93	92	91	78	78
XCT-90-12-2	32	53	60	65	68	64	57	46	XCT-140-6/3-10	71	81	89	94	93	92	79	79
XCT-90-12-3	41	53	60	65	68	64	57	46	XCT-140-6/3-15	72	82	90	95	94	93	80	80
XCT-90-12-4	42	55	62	67	70	66	59	48	XCT-140-6/3-20	74	84	92	97	96	95	82	82
XCT-100-4-7.5	64	84	92	97	99	96	89	78	XCT-140-6/6-7.5	68	83	92	94	91	85	77	73
XCT-100-4-9	63	83	91	96	98	95	88	77	XCT-140-6/6-10	69	84	93	95	92	86	78	74
XCT-100-4-10	62	82	90	95	97	94	87	76	XCT-140-6/6-15	70	85	94	96	93	87	79	75
XCT-100-4-15	61	81	89	94	96	93	86	75	XCT-140-6/6-20	71	86	95	97	94	88	80	76
XCT-100-4-20	63	83	91	96	98	95	88	77	XCT-140-6/6-25	72	87	96	98	95	89	81	77
XCT-100-6-3	61	72	80	85	87	84	77	66	XCT-140-6/6-30	73	88	97	99	96	90	82	78
XCT-100-6-4	64	72	80	85	87	84	77	66	XCT-140-6/9-10	66	84	93	92	91	87	78	73
XCT-100-6-5.5	64	73	81	86	88	85	78	67	XCT-140-6/9-15	68	86	95	94	93	89	80	75
XCT-100-8-2	56	66	74	79	81	78	71	60	XCT-140-6/9-20	69	87	96	95	94	90	81	76
XCT-100-8-3	57	68	76	81	83	80	73	62	XCT-140-6/9-25	70	88	97	96	95	91	82	77
XCT-100-8-4	58	68	76	81	83	80	73	62	XCT-140-6/9-30	71	89	98	97	96	92	83	78
XCT-100-8-7.5	49	69	77	82	84	81	74	63	XCT-140-6/9-40	73	91	100	99	98	94	85	80
XCT-100-8-9	48	68	76	81	83	80	73	62	XCT-140-6/9-50	74	92	101	100	99	95	86	81
XCT-100-8-15	46	66	74	79	81	78	71	60	XCT-140-8/3-3	64	74	82	87	86	85	72	67
XCT-100-8-20	47	67	75	80	82	79	72	61	XCT-140-8/3-4	64	74	82	87	86	85	72	67
XCT-100-12-3	46	55	63	68	70	67	60	49	XCT-140-8/3-5.5	65	75	83	88	87	86	73	68
XCT-100-12-4	48	55	63	68	70	67	60	49	XCT-140-8/3-7.5	67	77	85	90	89	88	75	70
XCT-100-12-5.5	49	56	64	69	71	68	61	50	XCT-140-8/3-10	68	78	86	91	90	89	76	71
XCT-125-4/3-9	70	76	88	98	98	94	86	82	XCT-140-8/6-3	63	75	84	88	86	80	70	67
XCT-125-4/3-10	70	76	88	98	98	94	86	82	XCT-140-8/6-4	64	76	85	89	87	81	71	68
XCT-125-4/3-15	71	77	89	99	99	95	87	83	XCT-140-8/6-5.5	65	77	86	90	88	82	72	69
XCT-125-4/3-20	73	79	91	101	101	97	89	85	XCT-140-8/6-7.5	66	78	87	91	89	83	73	70
XCT-125-4/3-25	73	79	91	101	101	97	89	85	XCT-140-8/6-10	67	79	88	92	90	84	74	71
XCT-125-4/3-27	74	80	92	102	102	98	90	86	XCT-140-8/6-15	68	80	89	93	91	85	75	72
XCT-125-4/3-30	74	80	92	102	102	98	90	86	XCT-140-8/9-4	62	73	84	89	87	83	73	68
XCT-125-4/3-37	75	81	93	103	103	99	91	87	XCT-140-8/9-5.5	62	73	84	89	87	83	73	68
XCT-125-4/3-40	75	81	93	103	103	99	91	87	XCT-140-8/9-7.5	64	75	86	91	89	85	75	70
XCT-125-6/3-5.5	66	74	86	90	88	83	74	70	XCT-140-8/9-10	65	76	87	92	90	86	76	71
XCT-125-6/3-7.5	67	75	87	91	89	84	75	71	XCT-140-8/9-15	66	77	88	93	91	87	77	72
XCT-125-6/3-10	69	77	89	93	91	86	77	73	XCT-140-8/9-20	69	80	91	96	94	90	80	75
XCT-125-6/3-15	70	78	90	94	92	87	78	74	XCT-160-6/3-10	69	79	87	92	91	90	77	72
XCT-125-6/3-20	71	79	91	95	93	88	79	75	XCT-160-6/3-15	71	81	89	94	93	92	79	74
XCT-125-6/3-24	71	79	91	95	93	88	79	75	XCT-160-6/3-20	72	82	90	95	94	93	80	75
XCT-125-8/3-9	50	56	68	78	78	74	66	62	XCT-160-6/3-25	73	83	91	96	95	94	81	76
XCT-125-8/3-15	51	57	69	79	79	75	67	63	XCT-160-6/3-30	75	85	93	98	97	96	83	78
XCT-125-8/3-20	53	59	71	81	81	77	69	65	XCT-160-6/6-15	69	84	93	95	92	86	78	74
XCT-125-8/3-27	53	59	71	81	81	77	69	65	XCT-160-6/6-20	70	85	94	96	93	87	79	75
XCT-125-8/3-37	54	60	72	82	82	78	70	66	XCT-160-6/6-25	71	86	95	97	94	88	80	76
XCT-125-8/3-40	54	60	72	82	82	78	70	66	XCT-160-6/6-30	72	87	96	98	95	89	81	77
XCT-125-6/3-4	65	73	85	89	87	82	73	69	XCT-160-6/6-40	73	88	97	99	96	90	82	78
XCT-125-12/3-4	50	58	70	74	72	67	58	54	XCT-160-6/6-50	75	90	99	101	98	92	84	80
XCT-125-12/3-5.5	51	59	71	75	73	68	59	55	XCT-160-6/9-15	67	85	94	93	92	88	79	74
XCT-125-12/3-7.5	52	60	72	76	74	69	60	56	XCT-160-6/9-20	68	86	95	94	93	89	80	75
XCT-125-12/3-10	54	62	74	78	76	71	62	58	XCT-160-6/9-25	69	87	96	95	94	90	81	76
XCT-125-12/3-15	55	63	75	79	77	72	63	59	XCT-160-6/9-30	70	88	97	96	95	91	82	77
XCT-125-12/3-24	56	64	76	80	78	73	64	60	XCT-160-6/9-40	71	89	98	97	96	92	83	78
XCT-125-4/6-20	67	75	91	98	100	95	89	85	XCT-160-6/9-50	72	90	99	98	97	93	84	79
XCT-125-4/6-22	67	75	91	98	100	95	89	85	XCT-160-6/9-60	73	91	100	99	98	94	85	80
XCT-125-4/6-25	68	76	92	99	101	96	90	86	XCT-160-6/9-75	74	92	101	100	99	95	86	81
XCT-125-4/6-27	68	76	92	99	101	96	90	86	XCT-160-8/3-4	63	73	81	86	85	84	71	66
XCT-125-4/6-30	68	76	92	99	101	96	90	86	XCT-160-8/3-5.5	65	75	83	88	87	86	73	68
XCT-125-4/6-37	68	76	92	99	101	96	90	86	XCT-160-8/3-7.5	66	76	84	89	88	87	74	69
XCT-125-4/6-40	70	78	94	101	103	98	92	88	XCT-160-8/3-10	67	77	85	90	89	88	75	70
XCT-125-4/6-50	71	79	95	102	104	99	93	89	XCT-160-8/3-15	69	79	87	92	91	90	77	72
XCT-125-6/6-5.5	60	69	82	85	86	83	72	68	XCT-160-8/6-5.5	61	76	85	87	84	78	70	66
XCT-125-6/6-7.5	60	69	82	85	86	83	72	68	XCT-160-8/6-7.5	63	78	87	89	86	80	72	68
XCT-125-6/6-10																	

Dimensions in mm



C (consult motor size according to power)																			
Model	ØA	ØB	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225	250	280	ØD	E
XCT-40	490	450	348	364	389	-	-	-	-	-	-	-	-	-	-	-	-	410	Short
XCT-45	540	500	348	364	389	-	-	-	-	-	-	-	-	-	-	-	-	460	Long
XCT-50	600	560	339	364	389	419	-	-	-	-	-	-	-	-	-	-	-	514	Long
XCT-50	600	560	-	-	-	-	438	-	-	-	-	-	-	-	-	-	-	514	Long
XCT-56	660	620	275	364	389	-	-	-	-	-	-	-	-	-	-	-	-	560	Long
XCT-56	660	620	-	-	-	416	432	480	518	-	-	-	-	-	-	-	-	560	Long
XCT-56	660	620	-	-	-	-	-	-	-	620	-	-	-	-	-	-	-	560	Long
XCT-63	730	690	339	359	389	-	-	-	-	-	-	-	-	-	-	-	-	640	Long
XCT-63	730	690	-	-	-	420	437	-	-	-	-	-	-	-	-	-	-	640	Long
XCT-63	730	690	-	-	-	-	-	539	577	-	-	-	-	-	-	-	-	640	Long
XCT-63	730	690	-	-	-	-	-	-	-	630	674	-	-	-	-	-	-	640	Long
XCT-71	810	770	366	379	404	-	-	-	-	-	-	-	-	-	-	-	-	710	Long
XCT-71	810	770	-	-	-	438	433	-	-	-	-	-	-	-	-	-	-	710	Long
XCT-80	900	860	-	-	422	456	472	-	-	-	-	-	-	-	-	-	-	800	Long
XCT-80	900	860	-	-	-	-	-	515	-	-	-	-	-	-	-	-	-	800	Long
XCT-90	1015	970	-	-	-	466	482	525	565	-	-	-	-	-	-	-	-	900	Long
XCT-100	1115	1070	-	-	-	-	482	525	565	-	-	-	-	-	-	-	-	1000	Long
XCT-100	1115	1070	-	-	-	-	-	-	-	695	695	-	-	-	-	-	-	1000	Long
XCT-125	1365	1320	-	-	-	-	-	561	601	-	-	-	-	-	-	-	-	1250	Long
XCT-125	1365	1320	-	-	-	-	-	-	-	695	695	-	-	-	-	-	-	1250	Long
XCT-125	1365	1320	-	-	-	-	-	-	-	-	-	740	740	860	-	-	-	1250	Long
XCT-125	1365	1320	-	-	-	-	-	-	-	-	-	-	-	-	907	-	-	1250	Long
XCT-125	1365	1320	-	-	-	-	-	-	-	-	-	-	-	-	-	987	-	1250	Long
XCT-125	1365	1320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1077	1250	Long
XCT-140	1515	1470	-	-	-	-	-	-	570	-	-	-	-	-	-	-	-	1400	Long
XCT-140	1515	1470	-	-	-	-	-	-	-	-	700	-	-	-	-	-	-	1400	Long
XCT-140	1515	1470	-	-	-	-	-	-	-	-	-	-	765	-	-	-	-	1400	Long
XCT-140	1515	1470	-	-	-	-	-	-	-	-	-	-	-	825	-	-	-	1400	Long
XCT-140	1515	1470	-	-	-	-	-	-	-	-	-	-	-	-	910	-	-	1400	Long
XCT-140	1515	1470	-	-	-	-	-	-	-	-	-	-	-	-	-	985	-	1400	Long
XCT-160	1735	1680	-	-	-	-	-	-	570	-	-	-	-	-	-	-	-	1600	Long
XCT-160	1735	1680	-	-	-	-	-	-	-	-	700	-	-	-	-	-	-	1600	Long
XCT-160	1735	1680	-	-	-	-	-	-	-	-	-	-	765	-	-	-	-	1600	Long
XCT-160	1735	1680	-	-	-	-	-	-	-	-	-	-	-	825	-	-	-	1600	Long
XCT-160	1735	1680	-	-	-	-	-	-	-	-	-	-	-	-	910	-	-	1600	Long
XCT-160	1735	1680	-	-	-	-	-	-	-	-	-	-	-	-	-	985	-	1600	Long
XCT-160	1735	1680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1190	1600	Long

Motor build sizes depending on power (one-speed)

		CV																	
		0,75	1	1,5	2	3	4	5,5	7,5	10	12	15	20	22	25	30	40	50	60
2T (3000 r/min)	80	80	80	90S	90L	100LB	112M	132S	132S	132MA	160M	160M	160L	180M	180L	200L	225S/M	225S/M	250S/M
4T (1500 r/min)	90S	90S	90S	90L	100LA	100LB	112M	132S	132M	-	160M	160L	-	180M	180L	200L	225S/M	225S/M	250S/M
6T (1000 r/min)	90S	90S	90L	100L	112M	132S	132MA	132MB	160M	-	160L	180L	-	200MLA	200MLB	225SMB	250S/M	280S/M	280S/M
8T (750 r/min)	90L	100LA	100L	112M	132S	132M	160MA	160M	160L	-	180L	200MLA	-	225SMA	225SMB	250SMA	280S/M	280S/M	-

Motor build sizes depending on power (two-speed)

		CV																	
		0,75	1	1,5	2	3	4	5,5	6	7,5	8	9	10	12	15	18	20	22	24
2/4(3000/1500 r/min)	-	-	90S	90S	90L	100L	-	112M	-	-	132M	-	160MA	-	160M	-	160L	-	-
4/8(1500/750 r/min)	-	-	90S	100L	100LA	100LC	132S	-	132S	132S	-	132M	-	160M	-	160L	180M	180M	180L
6/12(1000/500 r/min)	90L	100L	100LB	112M	112M	132MC	160M	160M	160LB	160LB	-	160LB	-	200MLC	160L	200M	-	250SMB	22S/M



Characteristic curves

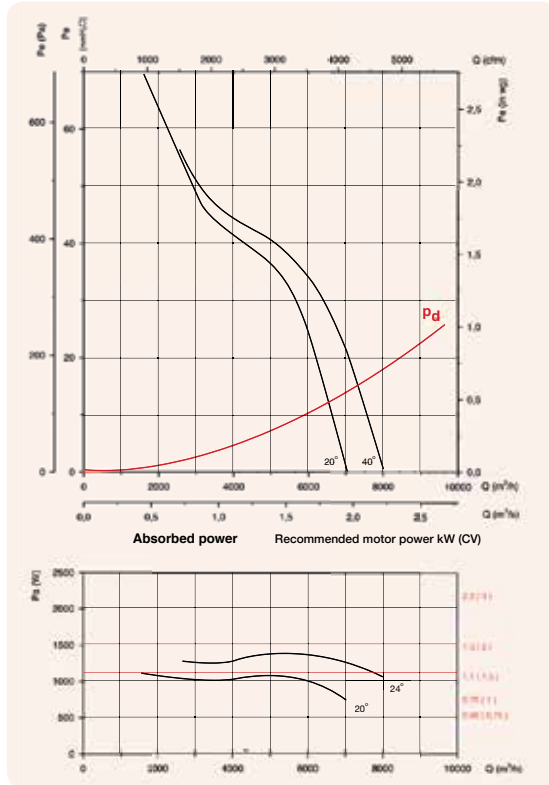
XCT

Q = Airflow in m³/h, m³/s and cfm.
Impeller diameter (cm)

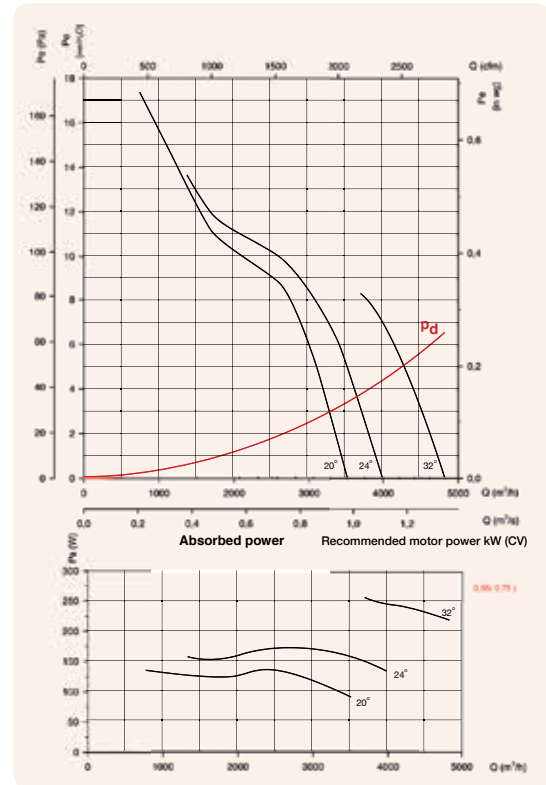
Pe= Static pressure in mm.w.c., Pa and inwg.

Number of blades: 6

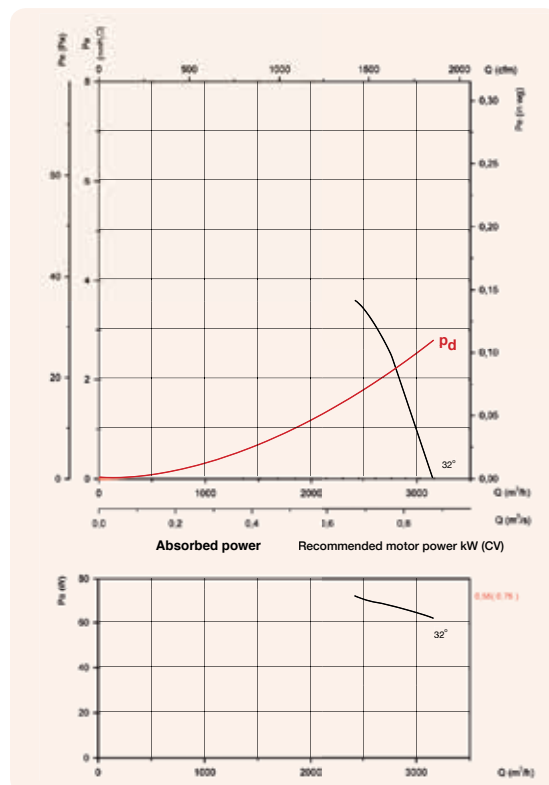
40Number of poles: 2



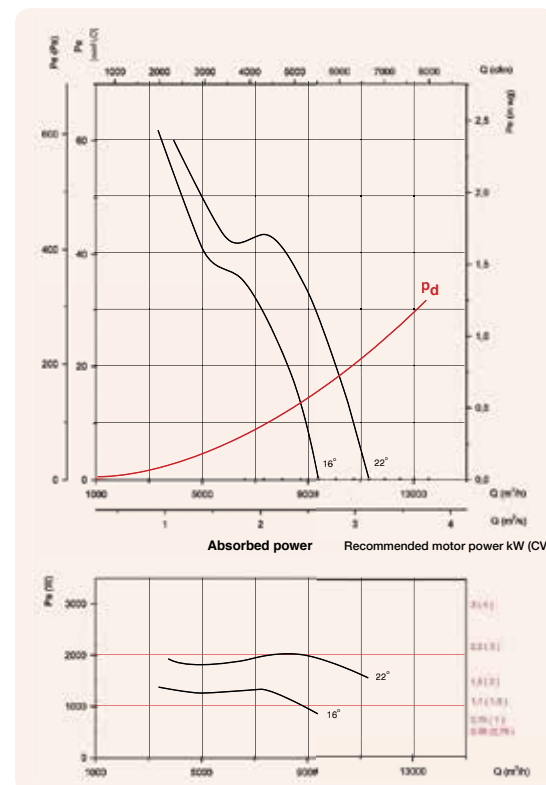
40Number of poles: 4



40Number of poles: 6



45Number of poles: 2



Characteristic curves

XCT

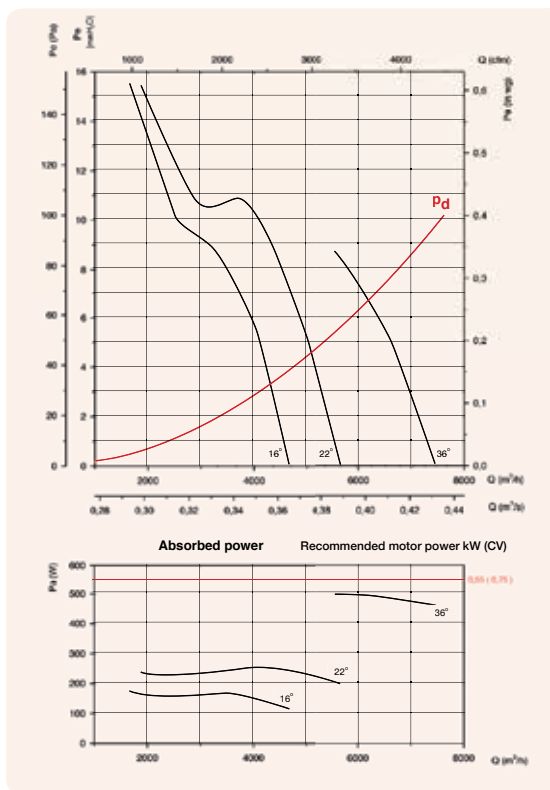
Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mm.w.c., Pa and inwg.

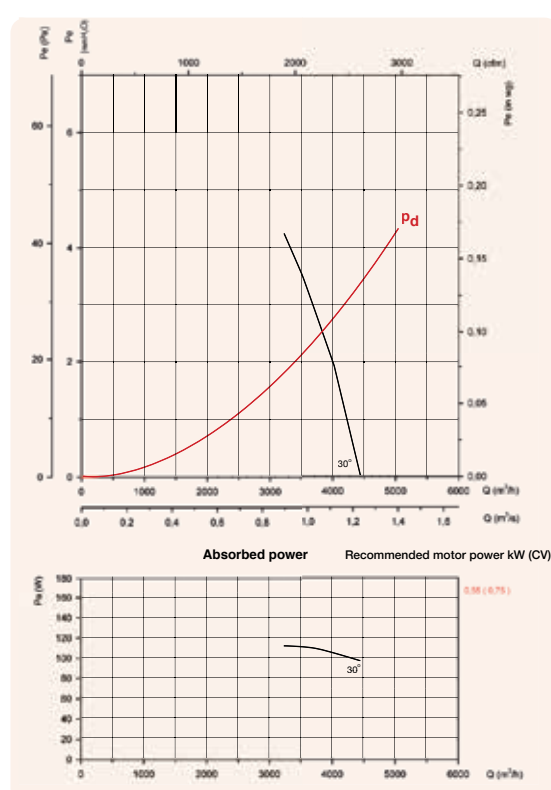
Number of blades: 6

Impeller diameter (cm)

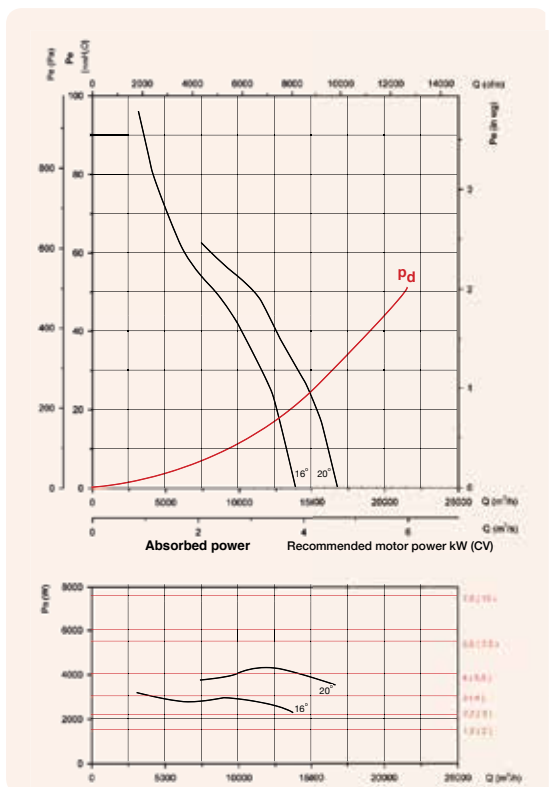
45Number of poles: 4



45Number of poles: 6



50Number of poles: 2



50Number of poles: 4





Characteristic curves

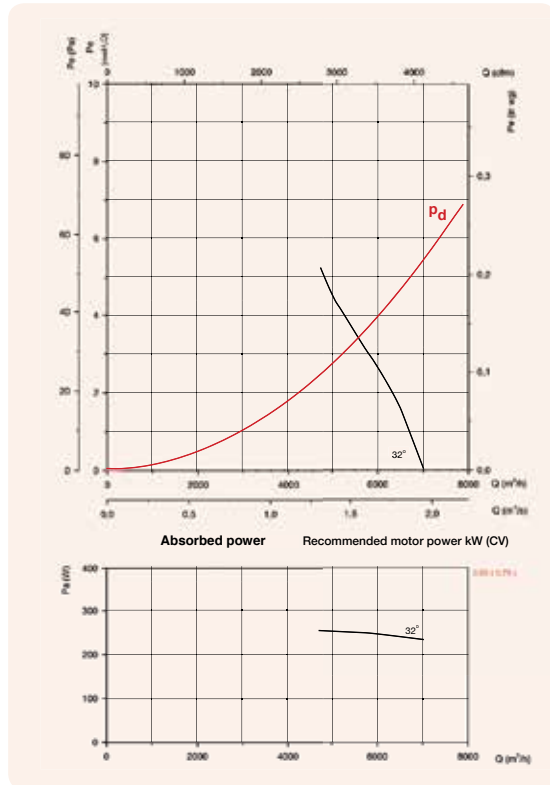
XCT

Q = Airflow in m³/h, m³/s and cfm.
Impeller diameter (cm)

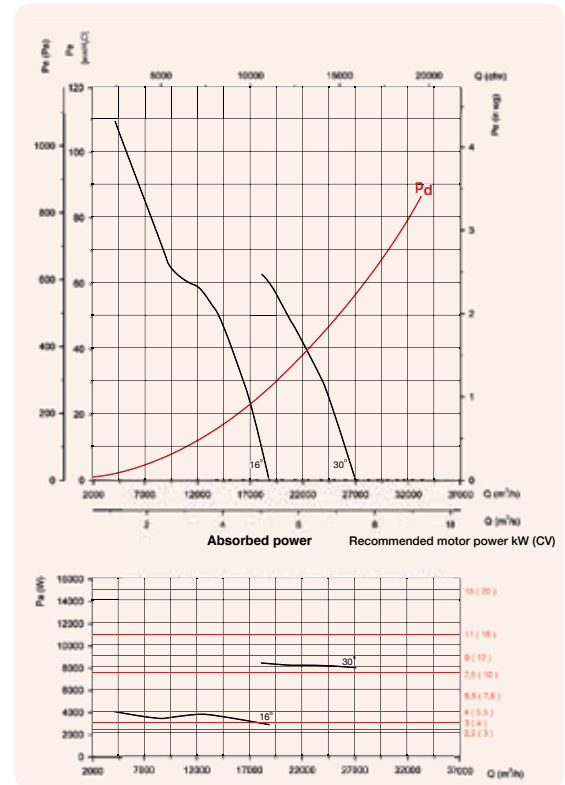
Pe = Static pressure in mm.w.c., Pa and inwg.

Number of blades: 6

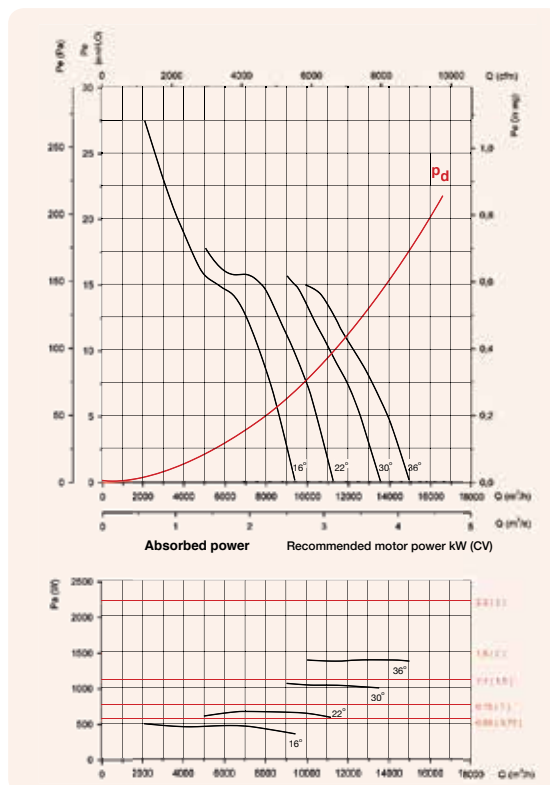
50 Number of poles: 6



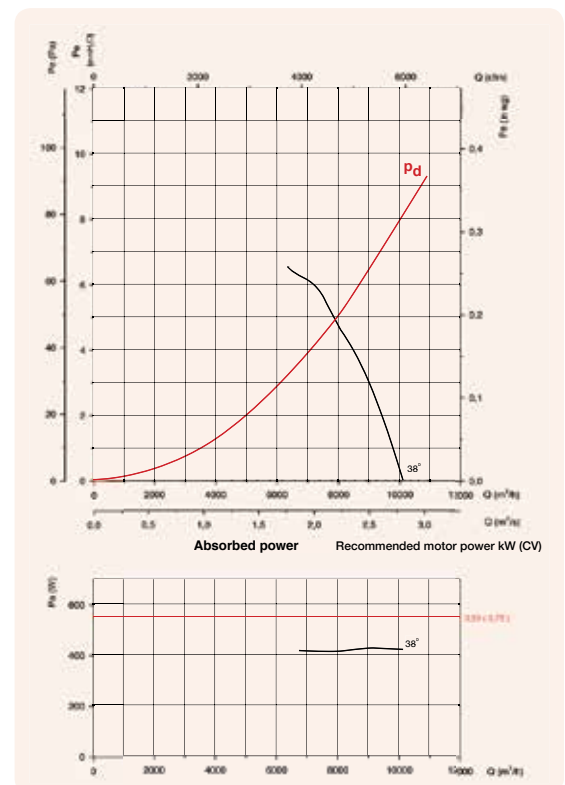
56 Number of poles: 2



56 Number of poles: 4



56 Number of poles: 6



Characteristic curves

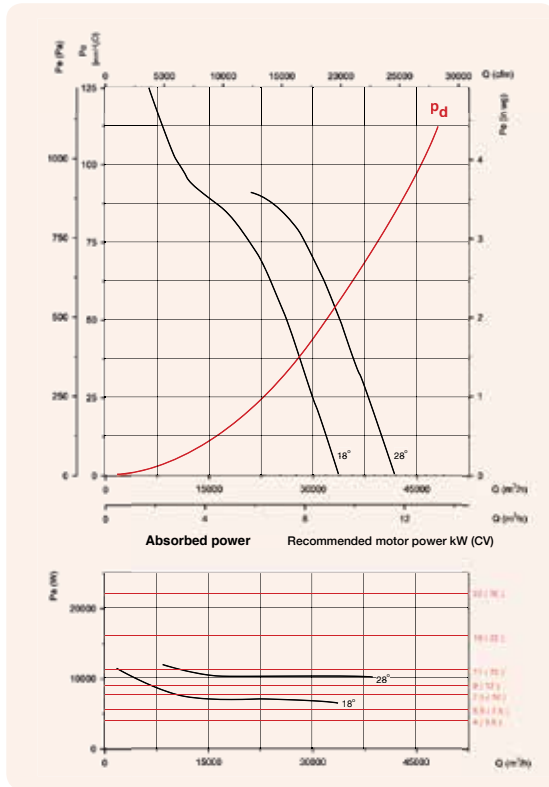
XCT

Q = Airflow in m³/h, m³/s and cfm.
Impeller diameter (cm)

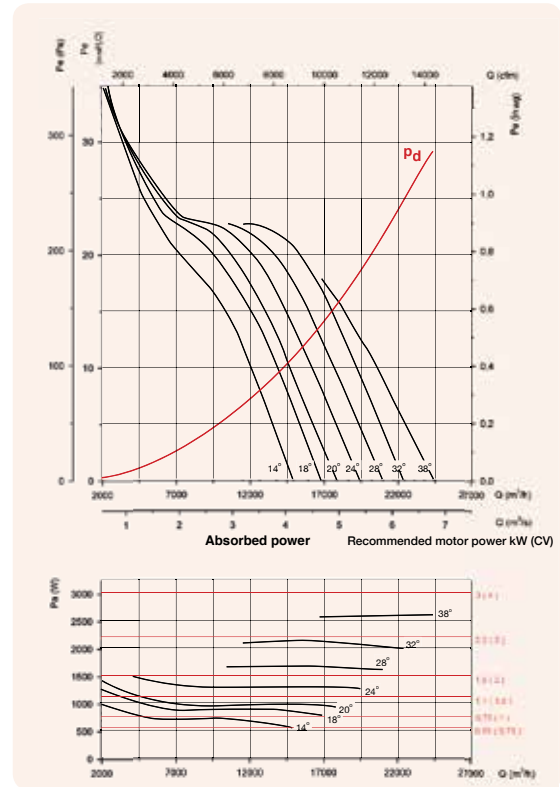
Pe = Static pressure in mm.w.c., Pa and inwg.

Number of blades: 6

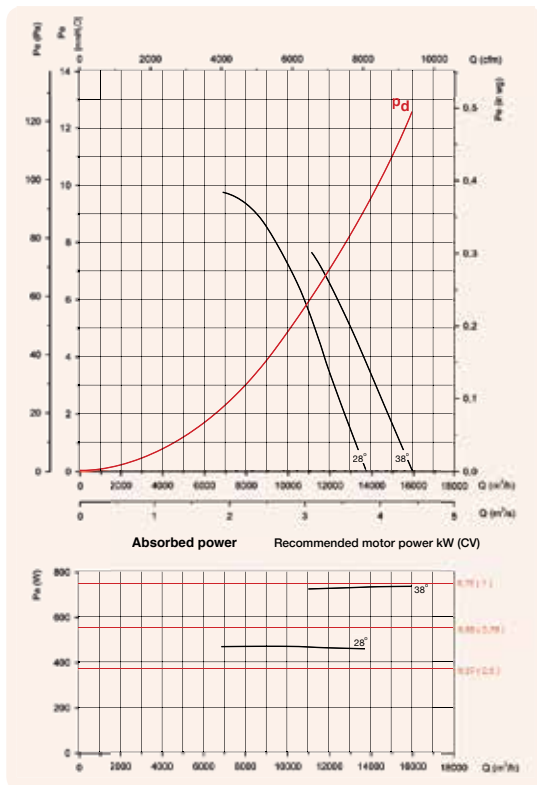
63Number of poles: 2



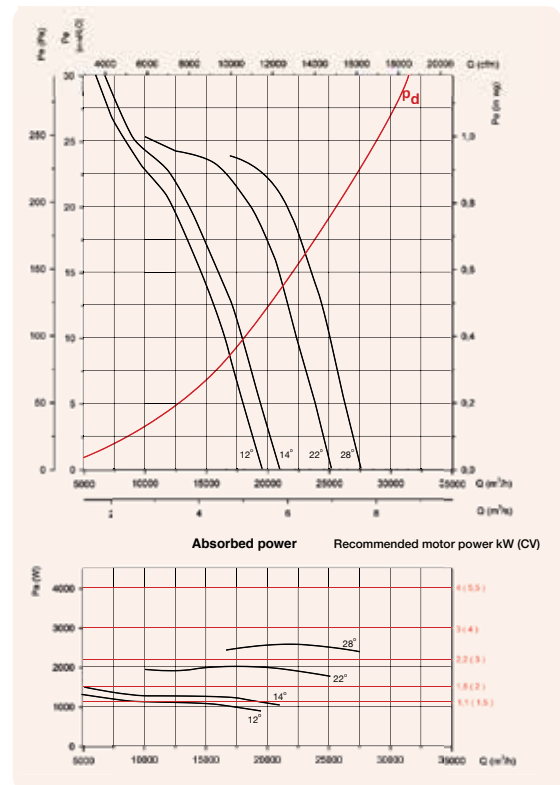
63Number of poles: 4



63Number of poles: 6



71Number of poles: 4





Characteristic curves

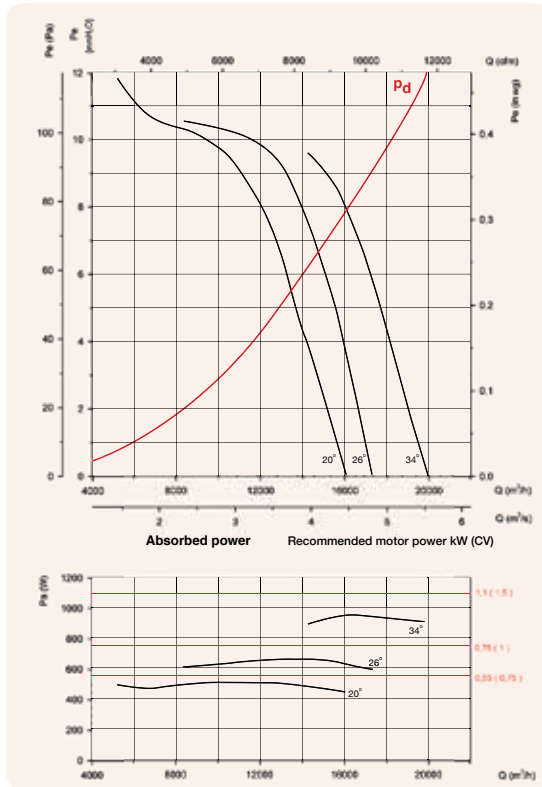
XCT

Q = Airflow in m³/h, m³/s and cfm.
Impeller diameter (cm)

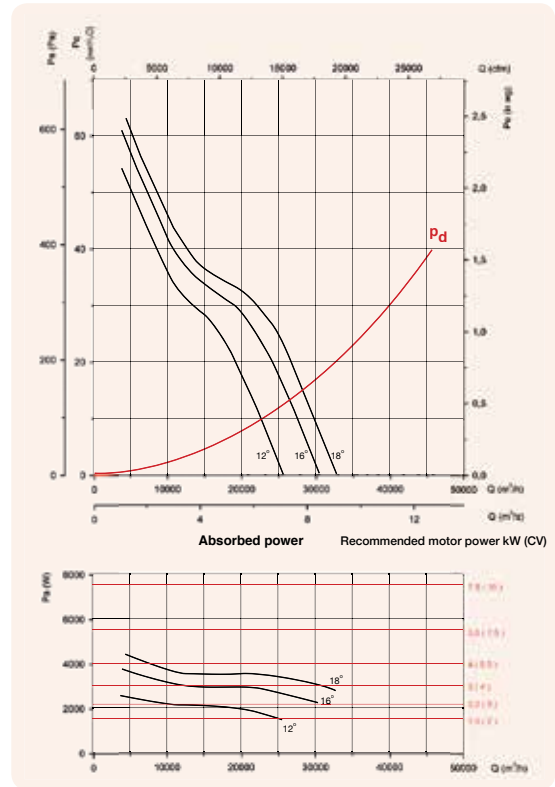
Pe= Static pressure in mm.w.c., Pa and inwg.

Number of blades: 6

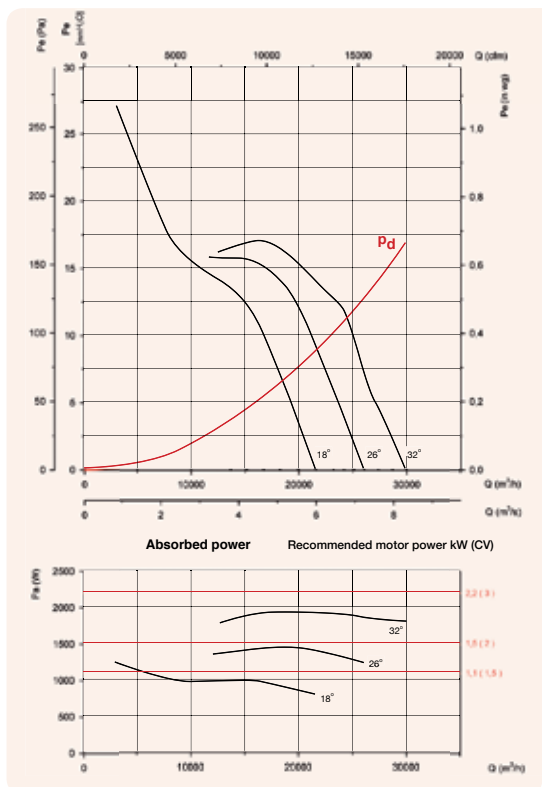
71Number of poles: 6



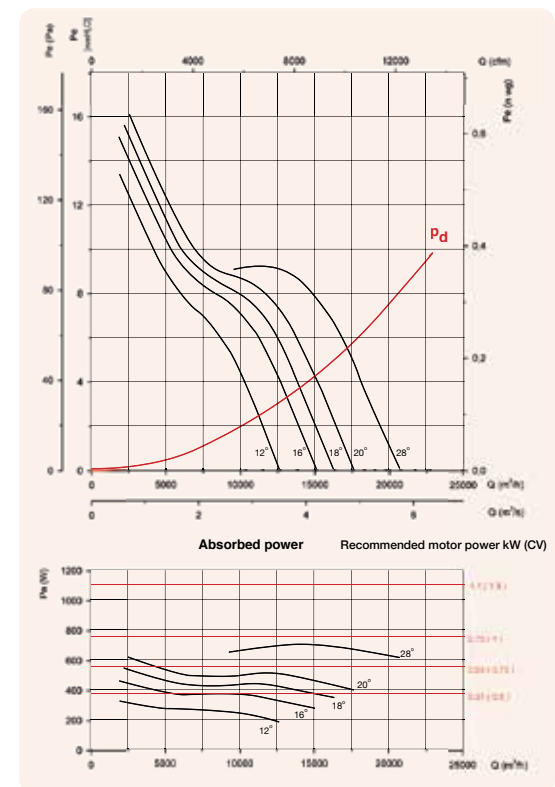
80Number of poles: 4



80Number of poles: 6



80Number of poles: 8



Characteristic curves

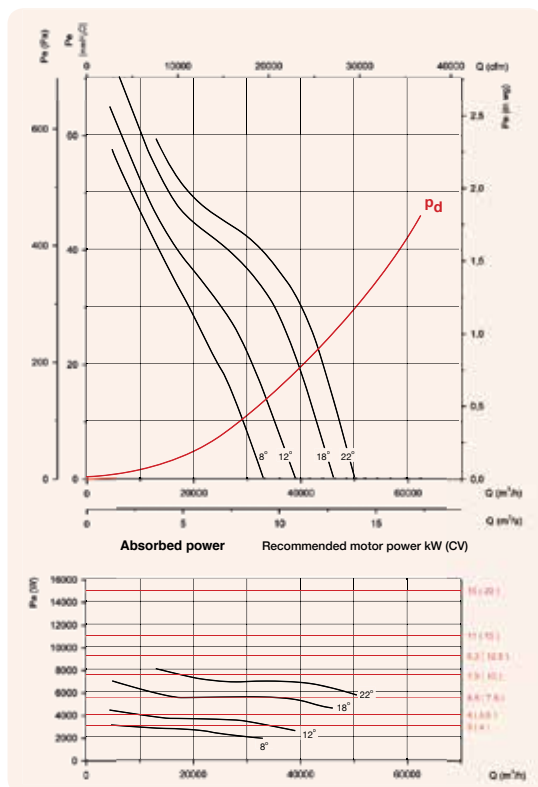
XCT

Q = Airflow in m³/h, m³/s and cfm.
Impeller diameter (cm)

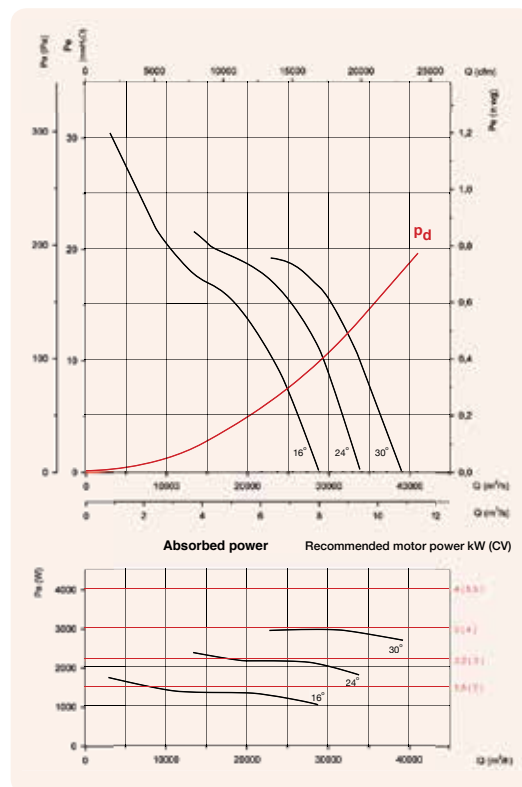
Pe= Static pressure in mm.w.c., Pa and inwg.

Number of blades: 6

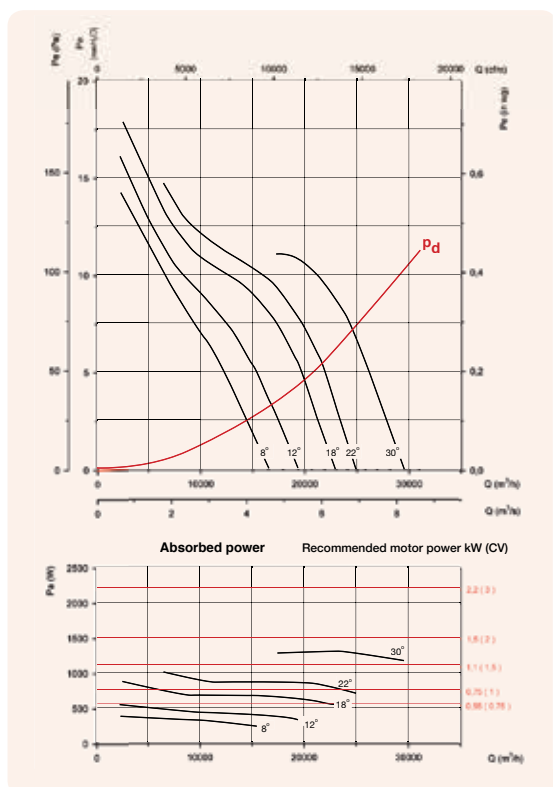
90Number of poles: 4



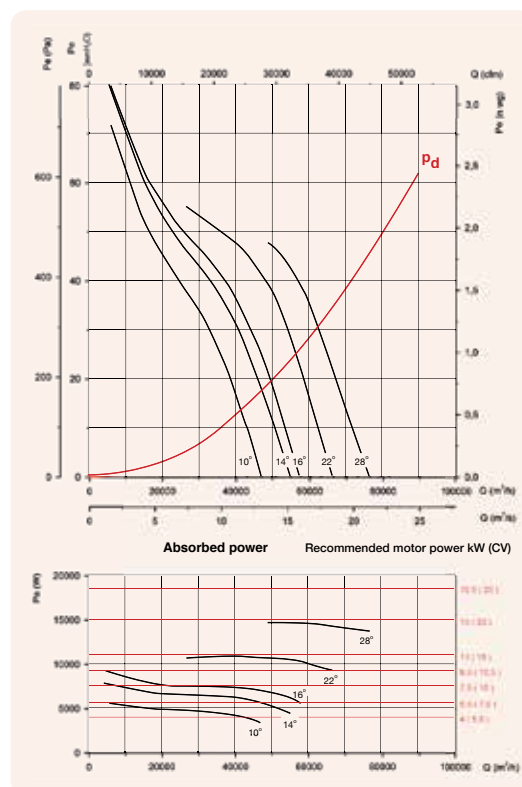
90Number of poles: 6



90Number of poles: 8



100 Number of poles: 4





Characteristic curves

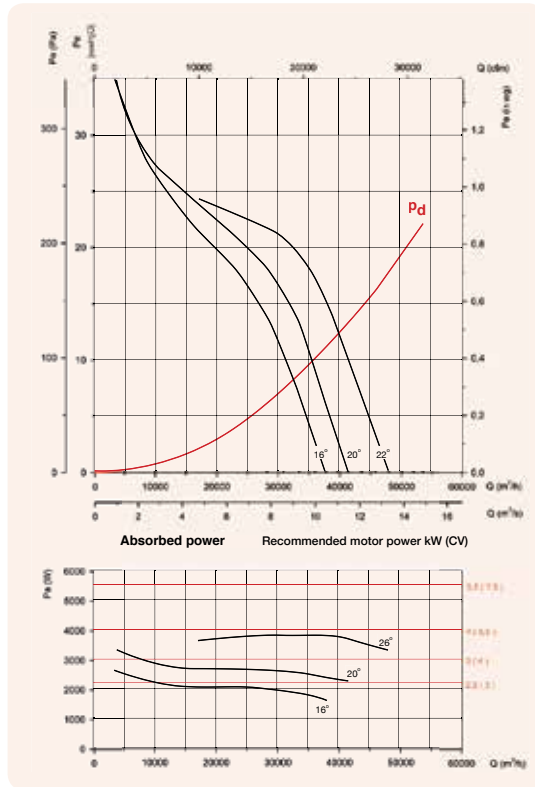
XCT

Q = Airflow in m³/h, m³/s and cfm.
Impeller diameter (cm)

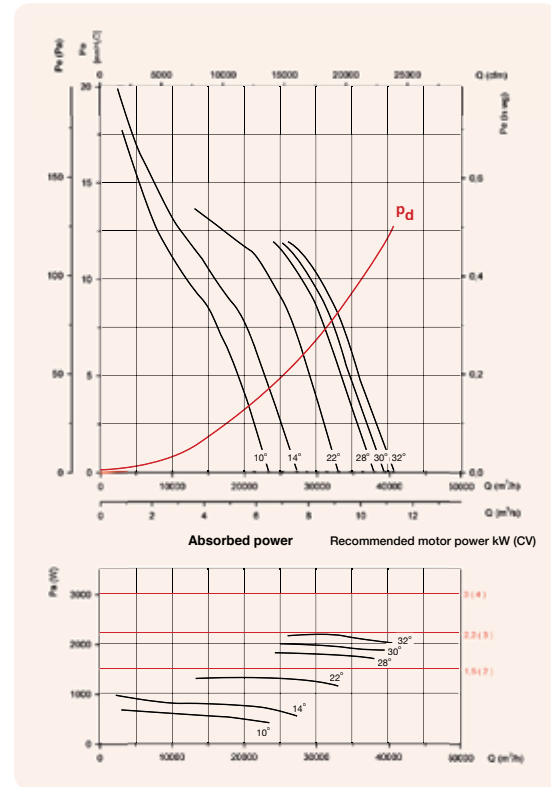
Pe= Static pressure in mm.w.c., Pa and inwg.

Number of blades: 6

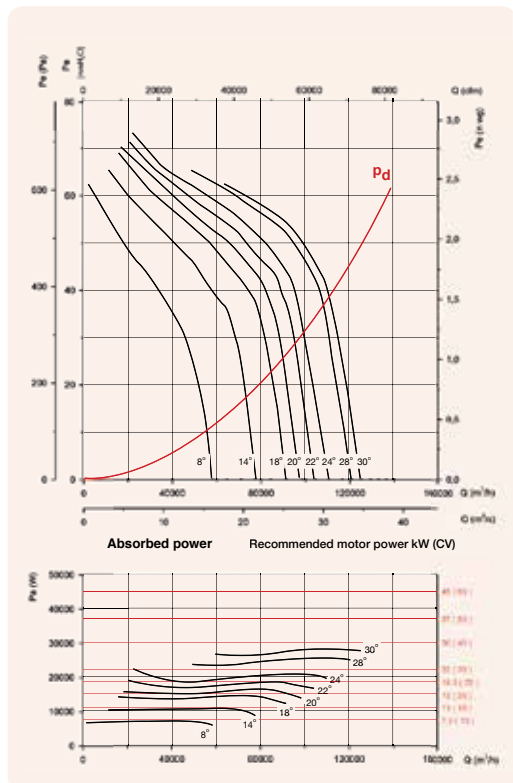
100 Number of poles: 6



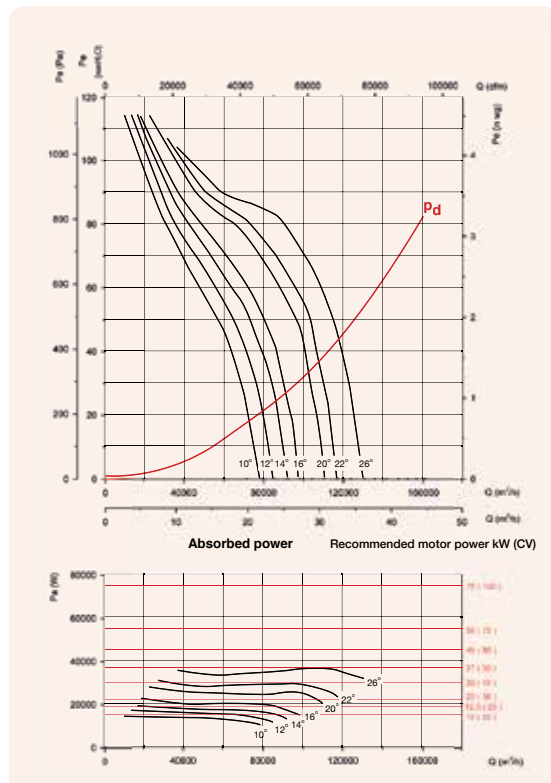
100 Number of poles: 8



Number of blades: 3
125 Number of poles: 4



125 Number of poles: 4



Characteristic curves

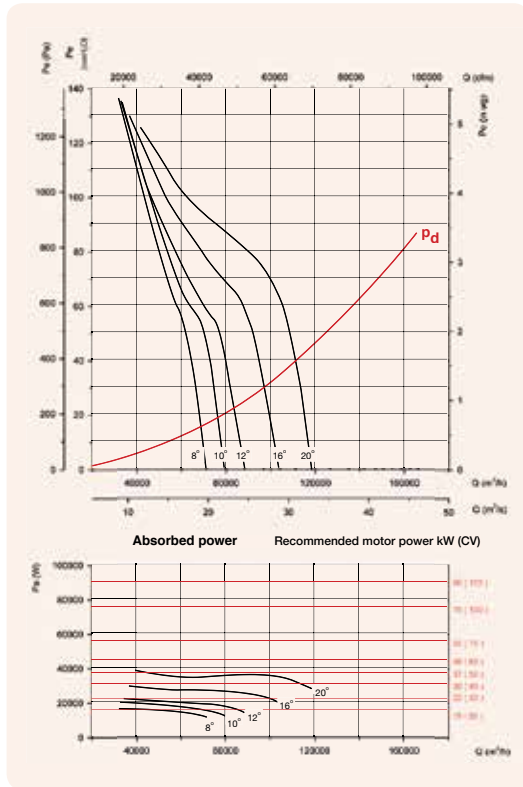
XCT

Q = Airflow in m³/h, m³/s and cfm.

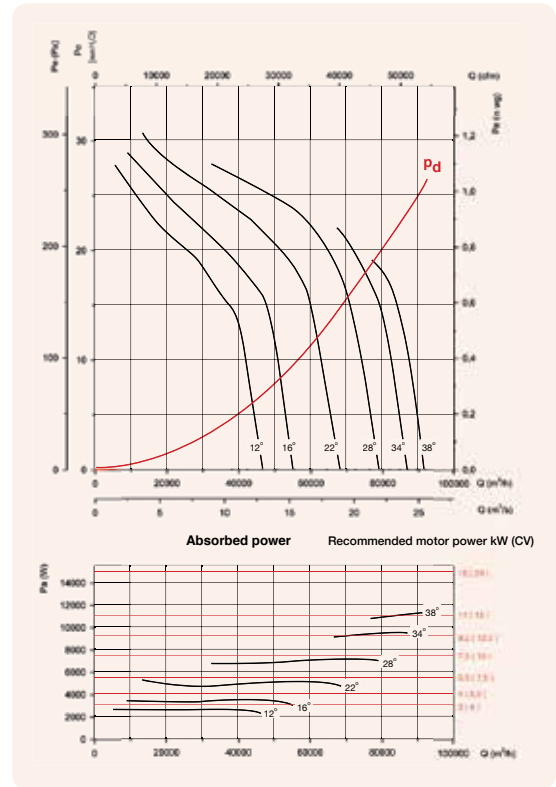
Pe= Static pressure in mm.w.c., Pa and inwg.

Impeller diameter (cm)

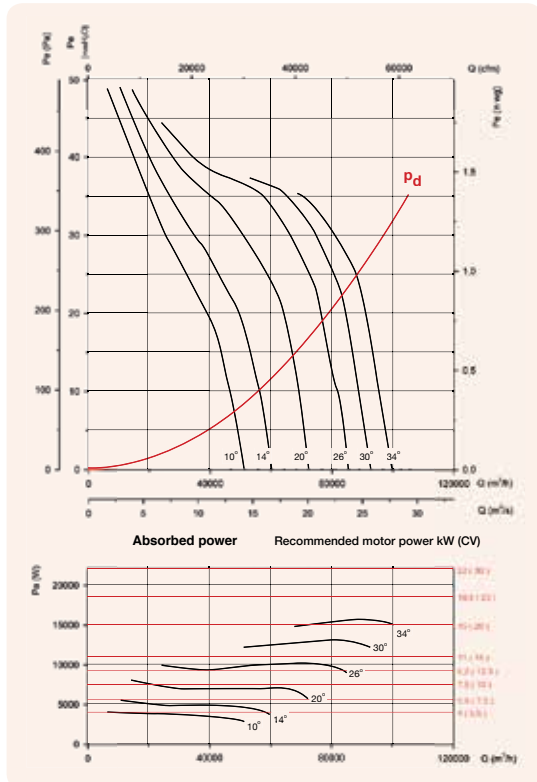
Number of blades: 9
125 Number of poles: 4



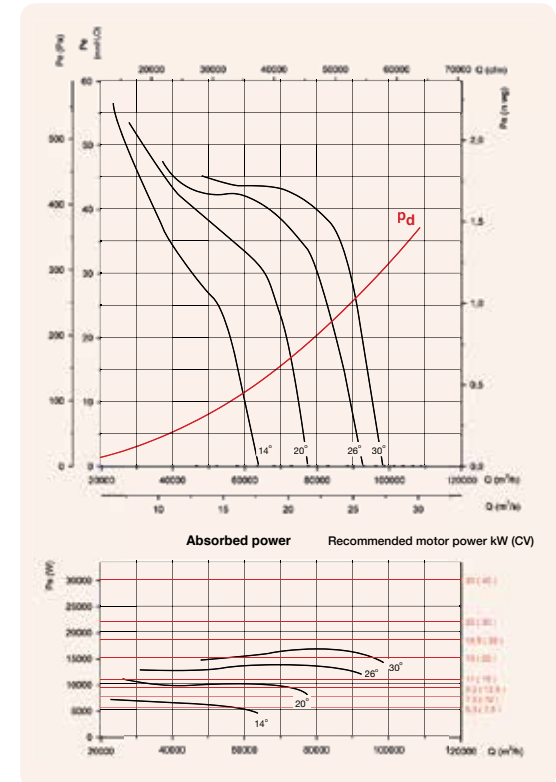
Number of blades: 3
125 Number of poles: 6



Number of blades: 6
125 Number of poles: 6



Number of blades: 9
125 Number of poles: 6





Characteristic curves

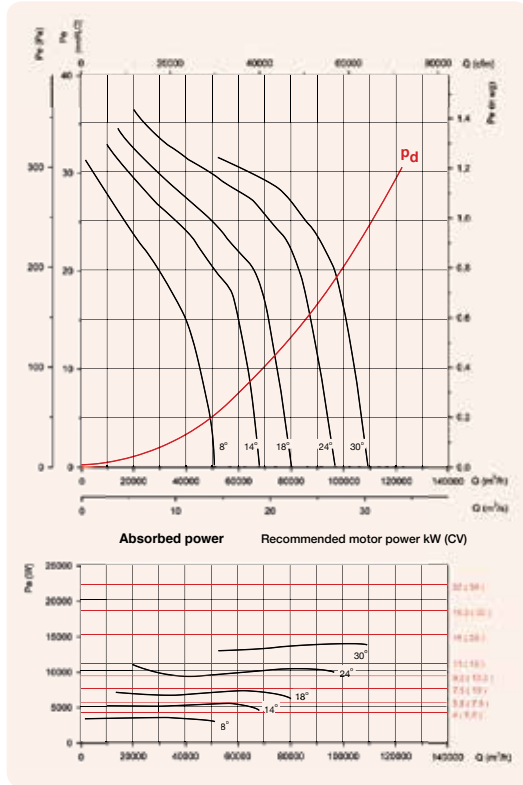
XCT

Q = Airflow in m³/h, m³/s and cfm.

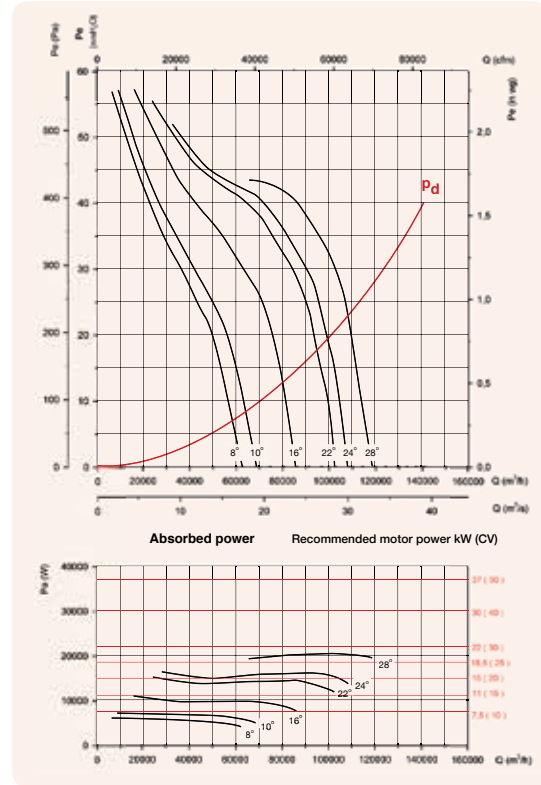
Pe= Static pressure in mm.w.c., Pa and inwg.

Impeller diameter (cm)

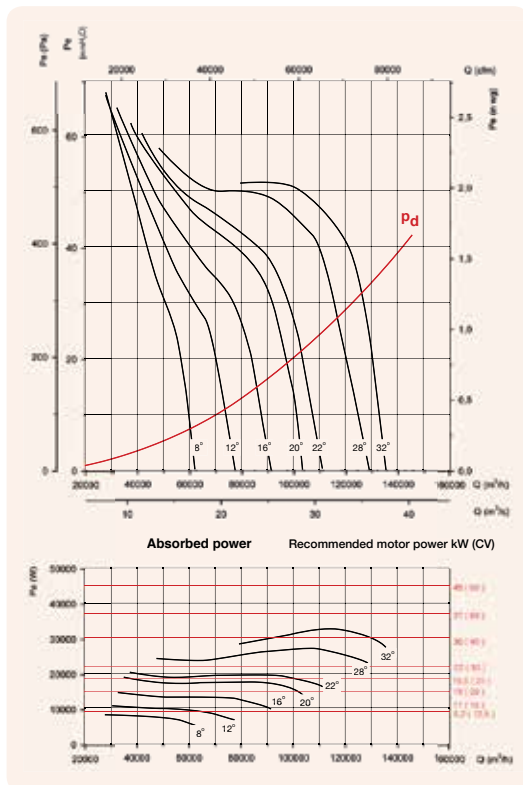
Number of blades: 3
140 Number of poles: 6



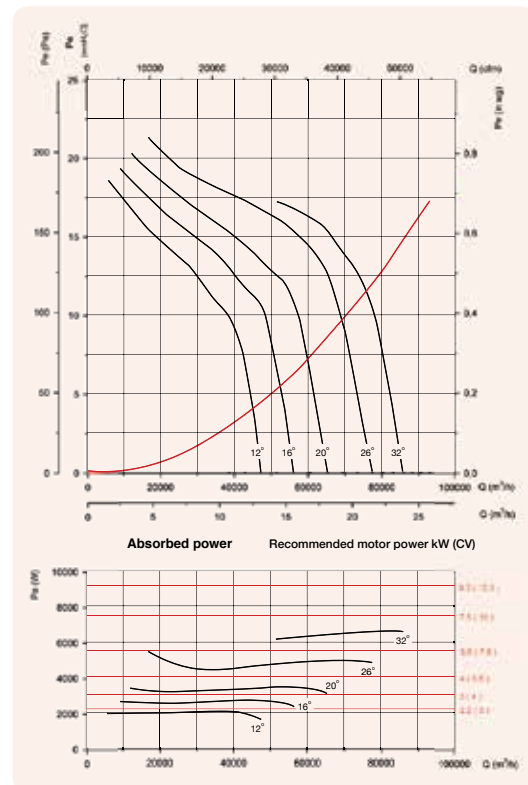
Number of blades: 6
140 Number of poles: 6



Number of blades: 9
140 Number of poles: 6



Number of blades: 3
140 Number of poles: 8



Characteristic curves

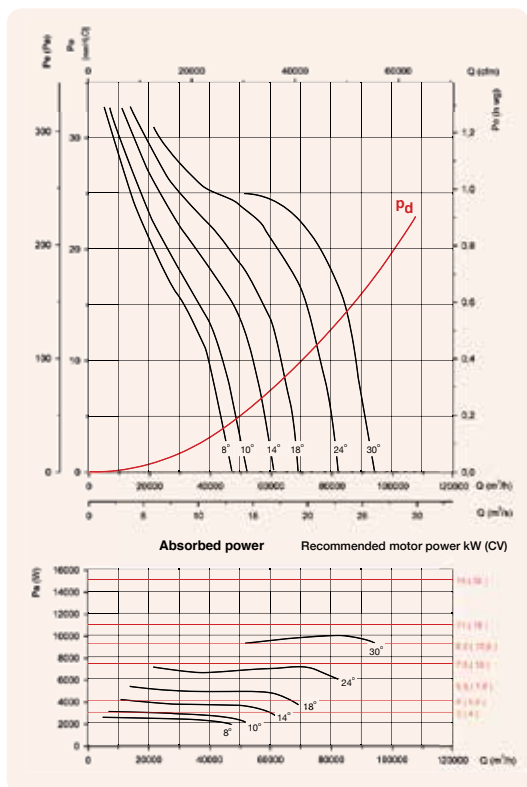
XCT

Q = Airflow in m³/h, m³/s and cfm.

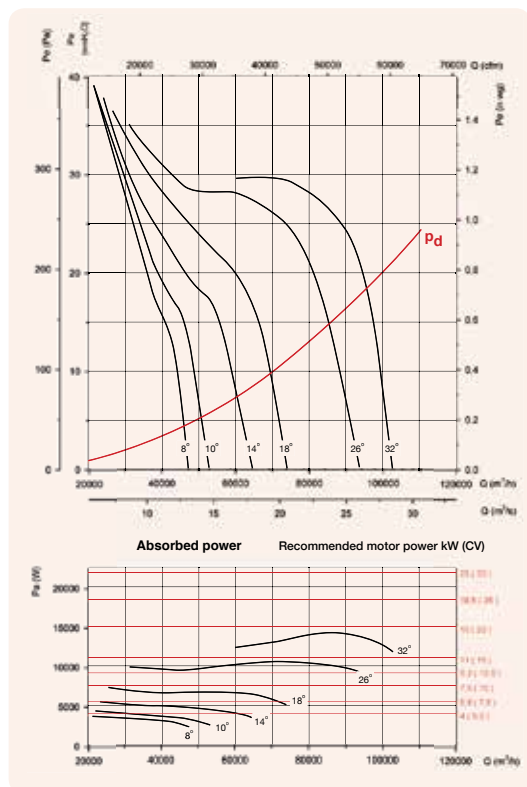
Pe = Static pressure in mm.w.c., Pa and inwg.

Impeller diameter (cm)

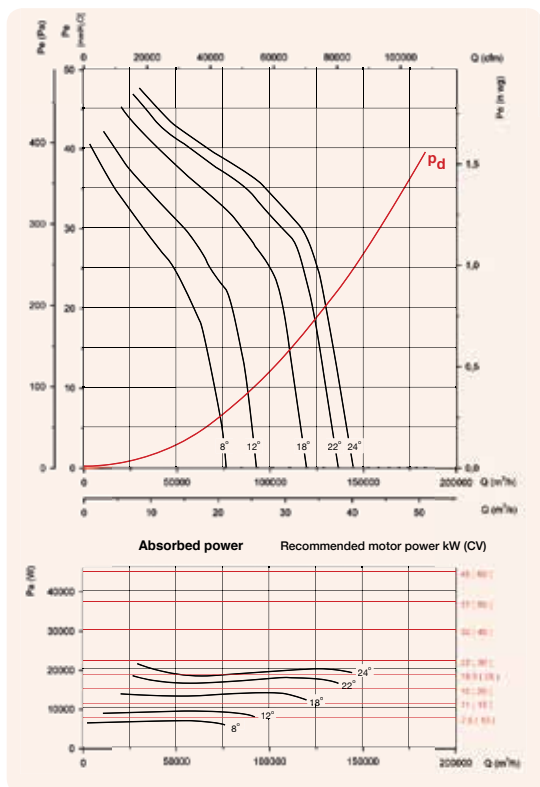
Number of blades: 6
140 Number of poles: 8



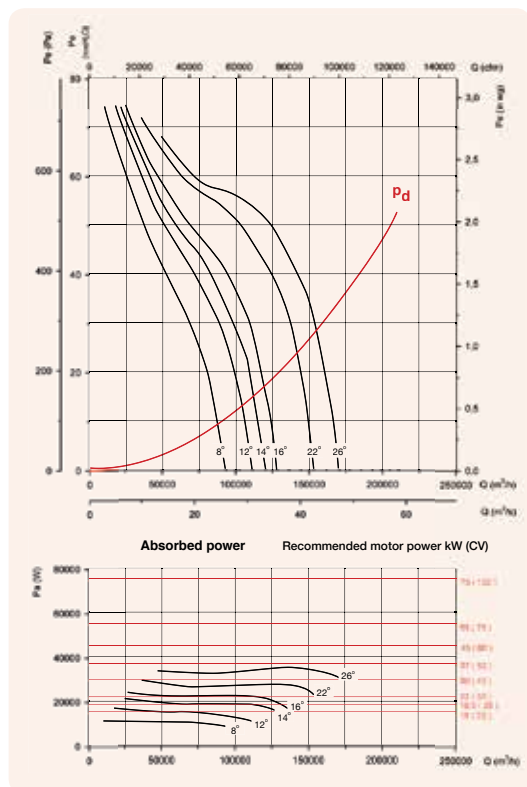
Number of blades: 9
140 Number of poles: 8



Number of blades: 3
160 Number of poles: 6



Number of blades: 6
160 Number of poles: 6





Characteristic curves

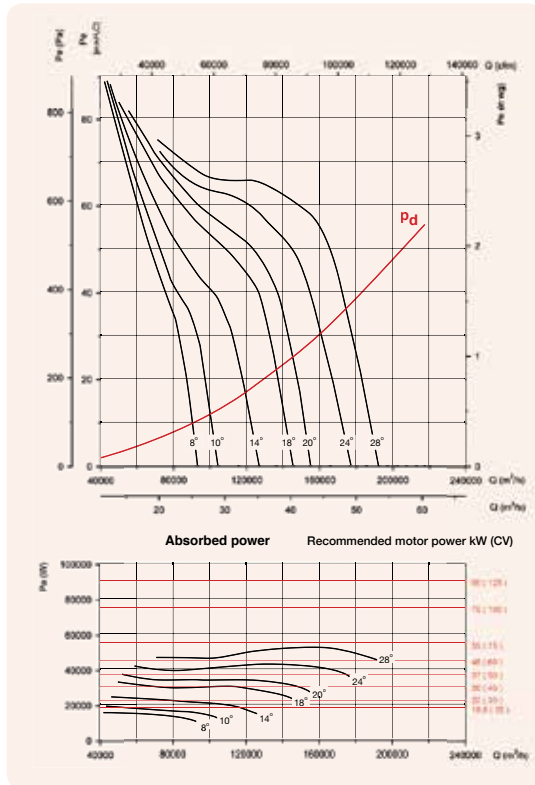
XCT

Q = Airflow in m³/h, m³/s and cfm.

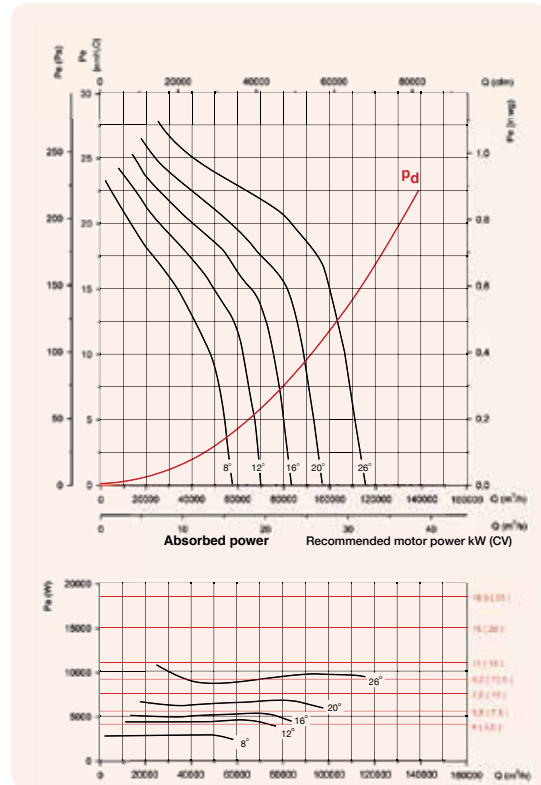
Pe = Static pressure in mm.w.c., Pa and inwg.

Impeller diameter (cm)

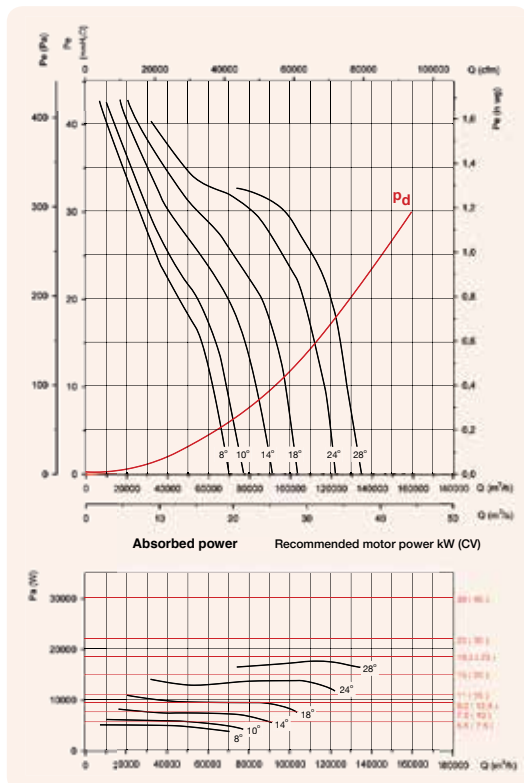
Number of blades: 9
160 Number of poles: 6



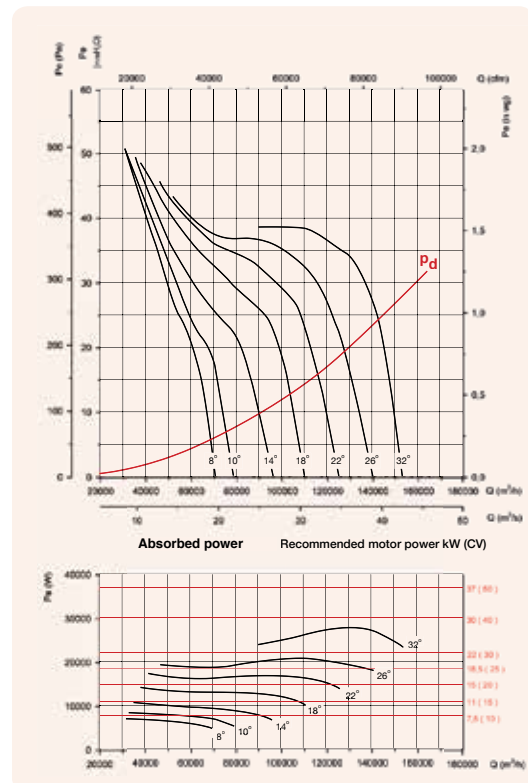
Number of blades: 3
160 Number of poles: 8



Number of blades: 6
160 Number of poles: 8



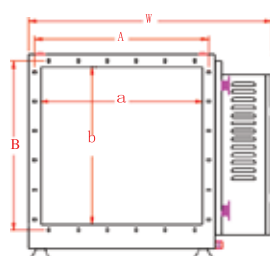
Number of blades: 9
160 Number of poles: 8





**ELECTROSTATIC
& AIR FILTER**

EvEsp



Commercial kitchen electrostatic precipitator. Working principle.

1. Electrostatic cells all made by stainless steel.
2. The bilateral fixed charging cathode rods can avoid electric discharge effectively.
3. Adjustable epoxy high voltage power regulates current intensity based on the fume concentration
4. Adopted freezer-type sealing technology which avoid fume and oil leakage
5. Safe control system prevent the circuit from electric discharge, short, arc extinction and high temperature.
6. Automatic startup by air pressure
7. Safety power cut off protection device
8. Simple installation and operation.
9. Low noise levels.
10. Customised to meet specific requirement
11. Durable construction for low maintenance and long service life.
12. Certificate: CE and ISO 9001



Technical characteristics

Model	Airflow (m ³ /h)	Size (mm) (L×W×H)	Flange Hole Size (mm) (A×B)	Vent Size (mm) (a×b)	Weight (kg)	Rated Power (W)
EvEsp - 3000	3000	780×885×865	600×720	550×670	105	680
EvEsp - 4000	4000	780×1005×865	720×720	670×670	115	770
EvEsp - 6000	6000	780×1515×865	1230×695	1180×645	160	850
EvEsp - 8000	8000	780×1515×985	1230×815	1180×765	180	940
EvEsp - 10000	10000	780×1725×985	1440×815	1390×765	195	1000
EvEsp- 12000	12000	780×1515×1550	1230×1380	1180×1330	300	1280
EvEsp- 14000	14000	780×1635×1550	1350×1380	1300×1330	320	1420

1. Take Care to Read the Following Text.

Purpose.

Commercial kitchen electrostatic precipitator is a type of professional environmental protection equipment used to remove smoke and grease generated by all kinds of cookers during the cooking, but not for flammable and explosive gas or corrosive gases. The processed exhaust must be outside. And we need to choose the open ventilation direction for emissions.

Features.

- Electrostatic precipitating technique ensures its high-performance flue gas filtration and some off-flavor elimination function;
- Easy operation intelligible indication, and auto fault diagnosis/monitoring function are available;
- Its electric field cells with double pin holder guarantees steady and constant operation;
- Modular structure is convenient for dismantling and maintenance.

Environmental Requirements.

- Ambient temperature: $+10 \sim +40^{\circ}\text{C}$.
- Ambient humidity: $20\% \sim 90\%$.
- Sea-level elevation: $< 1,000\text{m}$.
- Exhaust (applicable) : $< 80^{\circ}\text{C}$, non-flammable, non-explosive, non-volatile and non-corrosive gases.

Technical Indices.

A. Purification efficiency : (rated volume and air flow at 60°C)

Model	EvEsp (single pass)	EvEsp (double pass)
Purification efficiency	$\geq 90\%$	$\geq 98.7\%$

2. Prior to Operation.

Working Principle and Structure Characteristics.

Working Principle

With the aid of fan, the exhaust is subjected to capture and separation achieved by electrostatic interaction of cascade electric field cells of the equipment, and the exhaust is cleaned before it is discharged. The liquid drops and soot separated from the electric field cells are settled on to the inner wall of anode tubes of the electric field cells, led to an grease trap for discharge, and then are discharged for uniform reclamation.

Installation.

Installation Methods of Precipitating System.

Ground Installation Diagram:

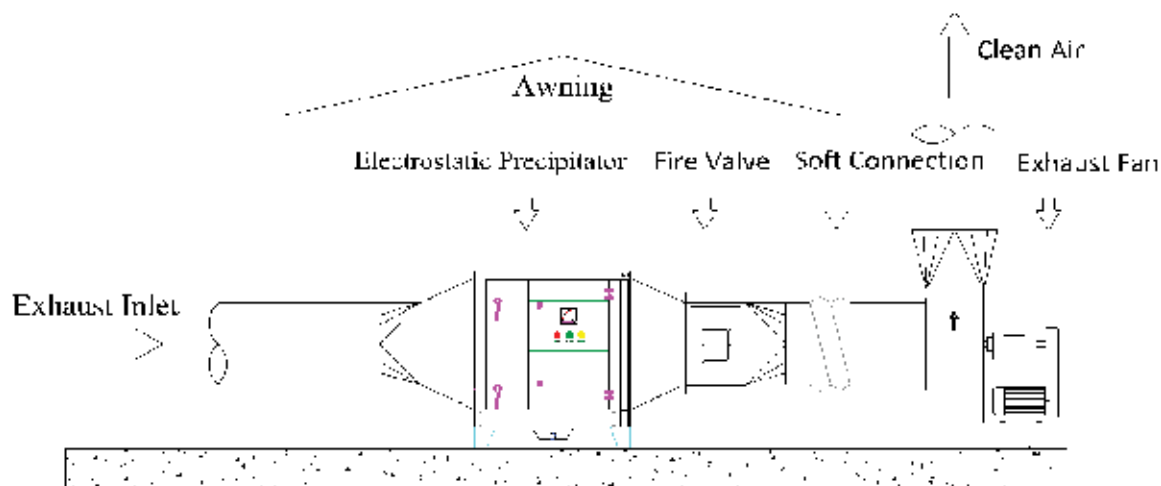


Figure 3-2

2. Ceiling Installation Diagram:

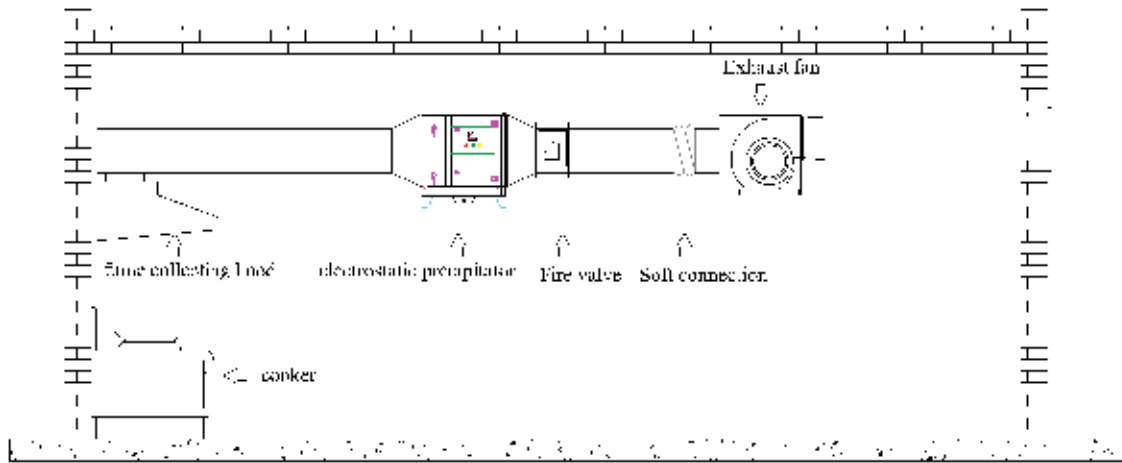


Figure 2-4



Notice

- ✓ In order to ensure the equipment safety, the user must install qualified fire damper in the outlet position of the equipment, maintain and test regularly.

Evaluation of Installation Location.

The installation site for main equipment must meet the following requirements:

- Level ground;
- The ground/building floor is strong enough to bear the weight of equipment;
- Enough maintenance space should be available before and after the equipment is installed (as shown in Figure 2-5);
- The flue gas temperature entering the equipment should be controlled well below 60° C.

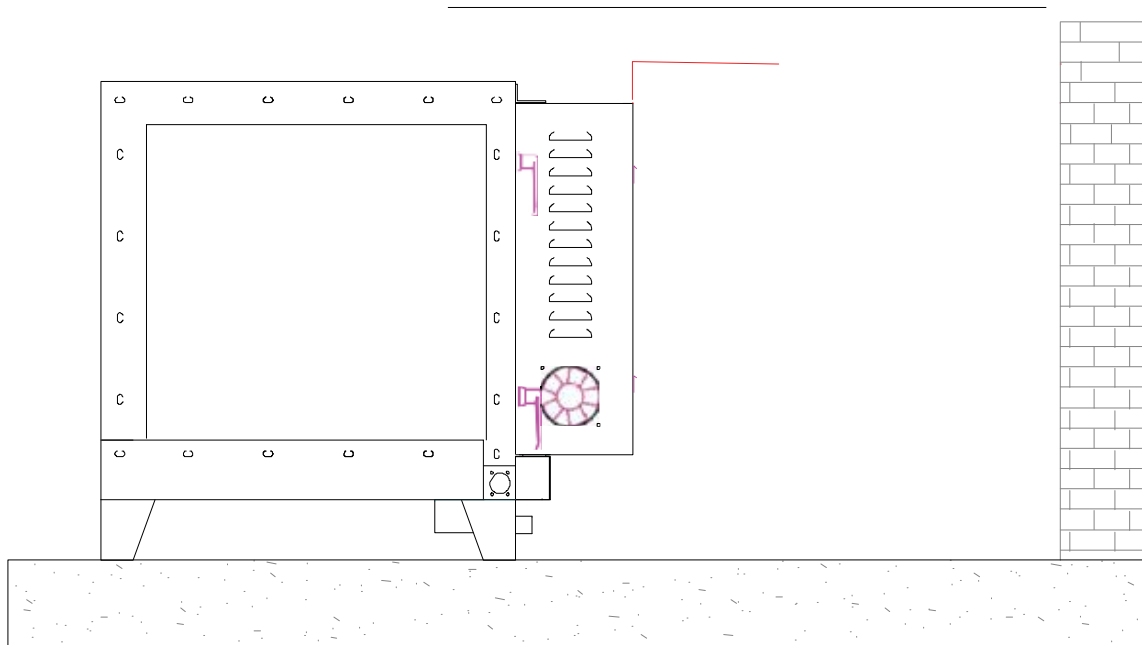


Figure 2-5

Generally in the kitchen, in addition to smoke generated frying stove and blast furnace, some don't smoke at stoves, such as steamer and soup furnace, etc. These stoves produce steam and heat that don't need to be purified by electrostatic precipitator in order to reduce cost as shown in figure 2-6.

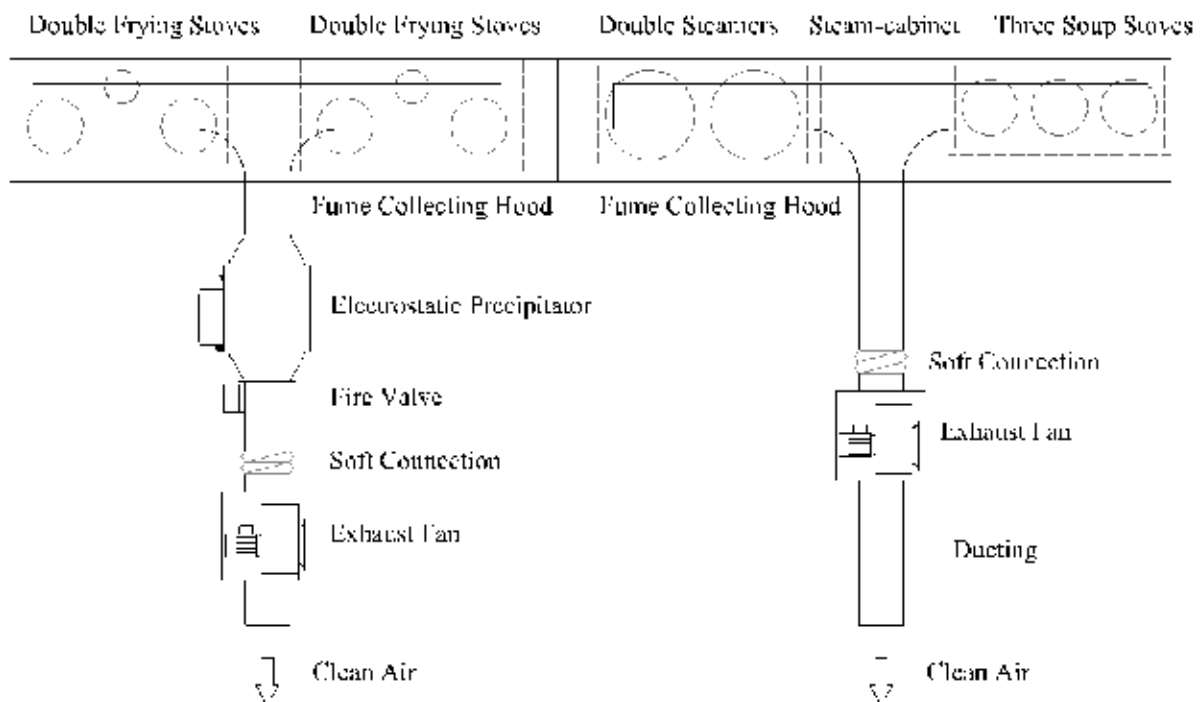


Figure 2-6



Notice

- ✓ Air leakage-proof measures should be taken for connection points of the air conduit to ensure better filtration efficiency.
- ✓ Use very smooth duct reducers at the inlet and outlet of the equipment, and connect them with very smooth ducts with a length that is at least 4 times longer than the diameter of the reducers to ensure a better purification efficiency of the equipment.
- ✓ The distance between the fire damper and the fan should be more than 1.5m to ensure a better airflow dividing effect.
- ✓ Hose connector should be applied in the section of ducting between the equipment and the fan, in case that the equipment would not work normally under the influence of the vibration of the fan.
- ✓ Users should choose a fan with an airflow rate capacity that is bigger than the rated exhaust capacity of the equipment to ensure the purification efficiency. Users can use transducer to control the fan or install adjustable air valve at the outlet of fan, to make sure that the equipment works at the rated exhaust airflow capacity.
- ✓ Users are suggested to keep a 1-2m long straight air duct behind the outlet of the fan to reduce the additional resistance.
- ✓ The equipment should work and operate in a negative air pressure status, which means that the fan should be installed behind equipment to ensure a better purification efficiency.
- ✓ When several equipment are put into use in a parallel connection pattern, and all of them share the same exhaust fan, make sure that the proportion of the actual airflow rate distributed to each equipment approximates the proportion of the rated exhaust capacity of each equipment.
- ✓ Weather protection measures, e.g. an awning, is required for the ESP if it is to be installed outdoors, to maximise the service life of the equipment and minimise the unnecessary maintenance fees.

Step 1: Install the electrostatic precipitator Installation Steps

- Choose a installation method from the above mentioned options;
- The mainframe should be installed horizontally;
- To reduce the lifting weight, remove the honeycomb cells, install the electrostatic precipitator, and then fit on the electrostatic precipitator again.



Notice

- ✓ Put the removed precipitator and other assemblies in a safe place. Trample and impaction are strictly prohibited.
- ✓ No item is allowed to be at the outlet of heat dissipation so as not to result in bad cooling.

Step 2: Connect the ducts.

A. Install and assemble the equipment, air ducting, fire valve, hose connector, exhaust fan, etc. Please refer to the specific combination methods shown in figures 2-3 and 2-4;

- Flange connections should be sealed against air leakage by continuous perimeter gaskets of thermal-resistant oil-proof materials;
- Make sure that screw holes of the flanges match each other during the installation of the fire dampers, in case the fire dampers would not react and function normally due to deformation caused on the outer-frames;
- Make sure that the space for hose connector between air ducts is no shorter than 50mm;
- The ventilation ducting should be kept at a certain degrees of inclination to minimise the accumulation of residual grease inside the ducting;
- Install vibration damper at the support rack (namely shock proof rubber etc.) of the fan;

- No combustible item is allowed to be put at the outlet of the fan. When the fan outlet is located within a 5-meter radius from the electrostatic apparatus, the height of the outlet should be kept 1.5-meter higher than the electrostatic apparatus.

B. Install the drainage pipe.

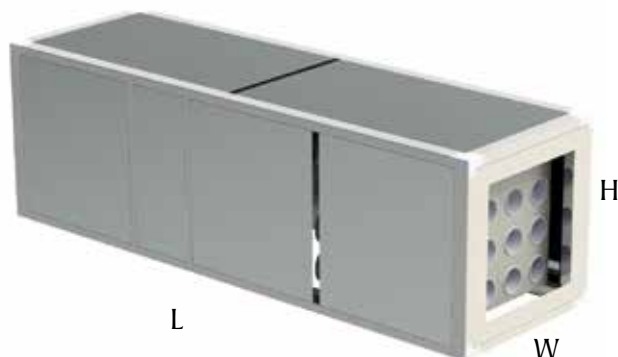
- Open a drainage outlet at the lowest point of the fan volute and place an oil drum beneath it, just in case there is accumulation of residual grease inside the fan volute;
- Add a grease trap beneath the flange of the hose connector and place an oil drum beneath the drainage outlet of the grease trap.
- Add a grease trap beneath the flange of the fire damper and place an oil drum beneath the drainage outlet of the grease trap.

Open 1 drainage outlet at the lowest point of the ventilation ducting.

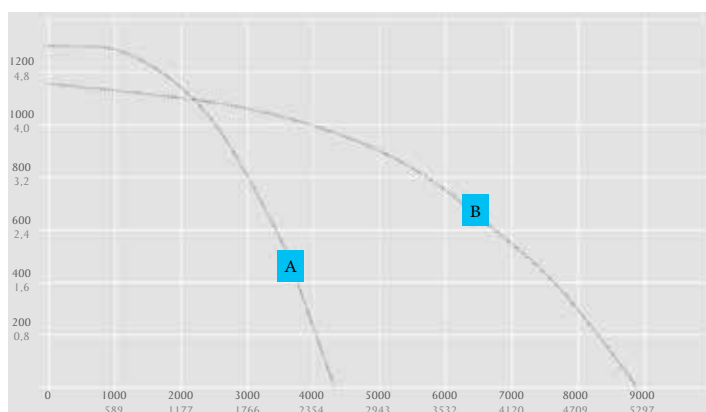
SL-CASE AK

Air cleaning unit

- Clean and odourless air at all times
- Frame construction casing
- Galvanized steel panels, double skin, with insulation
- Side access doors for cleaning and maintenance
- Three levels of air filtration built in:
 - - panel filters M5 against raw particles
 - - panel filter F7 against fine particles
 - - activated carbon to protect against odours and chemical pollution
- EC fans with integrated variable speed drive, with 0-10 V signal controllable



- The air ducts have to be executed in such a manner that no condensate, rain or snow from the air duct can enter the unit
- Indoor installation
- Easy filters replacing via side access doors
- Easy air flow adjustment via MTP potentiometer

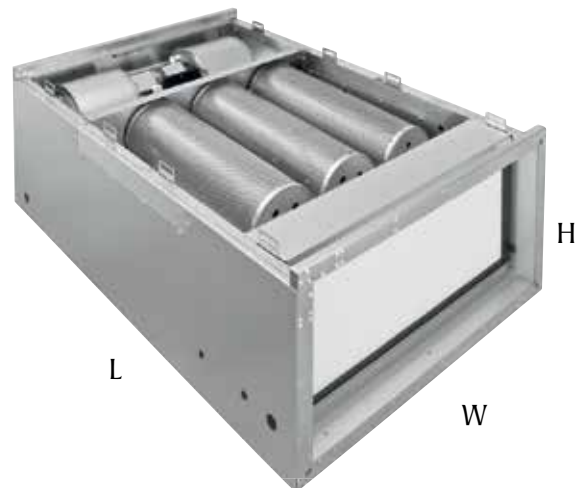


Type	U_N V	f_N Hz	I_{max} A	P_N W	V cfm / m³/h	L_{WA5} dB(A)	L_{WA6} dB(A)	t_A °C	t_M °C	Weight (lbs)	WxHxL in
A SL-CASE 3000 AK	400V 3~ 50	50	2,8	1700	2236 / 3800	76	82	40	40	280	28,5 x 28,5 x 90,1
B SL-CASE 7500 AK	400V 3~ 50	50	4,0	2600	4708 / 8000	75	81	40	40	760	52,6 x 40,6 x 90,1

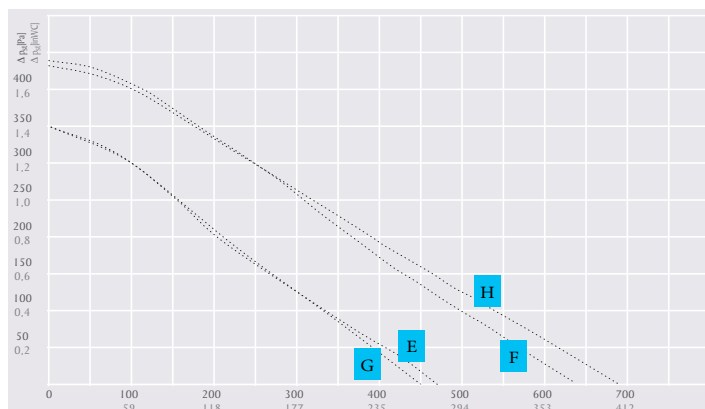
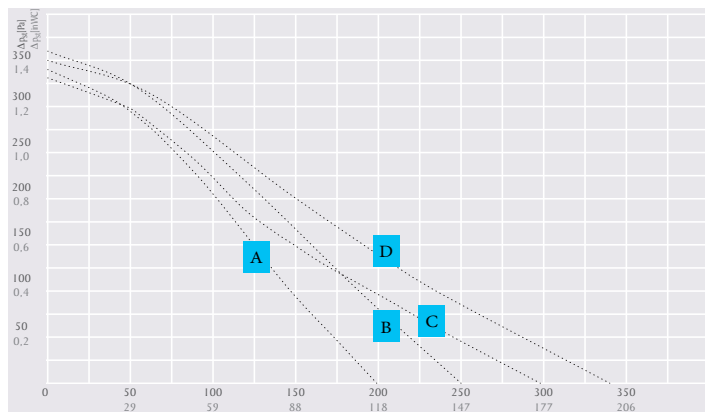
AKF

High grade air filtration

- Clean and odourless air at all times
- Smooth operation
- Easy mounting and access
- Built in panel filter against particulate contamination
- Activated carbon to protect against odours and chemical pollution
- Galvanized steel, double skinned casing
- 1,2 in sound insulation
- Voltage controllable fans
- Access top or bottom



- The air ducts have to be executed in such a manner that no condensate, rain or snow from the air duct can enter the unit
- Indoor installation
- Access top or bottom
- Insulation Class Motor: F
- IP Complete Unit: IPX4



Type	U_N V	f_N Hz	I_{max} A	P_N W	$\dot{V}$ cfm / m³/h	η_t %	η_{st} %	L_{WA5} dB(A)	L_{WA6} dB(A)	L_{WA2} dB(A)	t_A °C	t_M °C	Weight (lbs)	WxHxL in
AKF 6130	230V ~ 50		5,2	1100	1154 / 1961	21	22	72	80	59	40	40	176	(40,1+169,3)* x 26,2 x 14,4
AKF 9130	230V ~ 50		8,3	1620	1834 / 3116	26	27	72	80	59	40	40	242	(40,1+169,3)* x 38 x 14,4
AKF 9140	230V ~ 50		6,3	1040	2375 / 4035	20	20	72	81	56	40	40	308	40,1 x 38 x 18,3

* with SDK sound diffuser



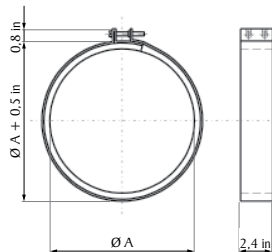
ACCESSORIES

FAN ACCESSORIES



VM I Fast clamps

- Fast clamps for noise reduction and sealing
- Steel sheet, galvanized
- 0,2 in neoprene seal
- 1 Set = 2 pcs.

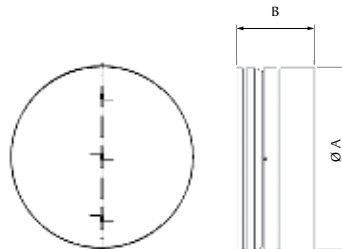


Type	Ø A in	Weight lbs
VM 100	3,9	0,7
VM 125	4,9	0,7
VM 150	5,9	0,9
VM 160	6,3	0,9
VM 200	7,9	0,9
VM 250	9,8	1,1
VM 280	11,0	1,3
VM 315	12,4	1,3
VM 355	14,0	1,5
VM 400	15,7	1,8
VM 450	17,7	2,0
VM 500	19,7	2,2
VM 560	22,0	2,4
VM 630	24,8	3,7
VM 710	28,0	4,0



RSK I Back draught shutter

- Back draught shutter for pipe installation
- Housing made of steel sheet, galvanized
- Aluminium flaps

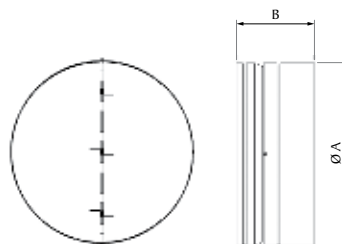


Type	Ø A in	B in	Weight lbs
RSK 100	3,9	3,5	0,4
RSK 125	4,9	3,5	0,7
RSK 150	5,9	3,5	0,9
RSK 160	6,3	3,5	0,9
RSK 200	7,9	3,5	1,1
RSK 250	9,8	5,1	2,0
RSK 315	12,4	5,1	2,4
RSK 355	14,0	7,9	4,2
RSK 400	15,7	7,9	4,6



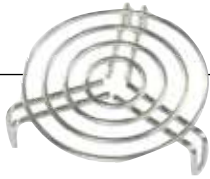
RSK ... D I Back draught shutter with seal

- Back draught shutter for pipe installation
- Housing made of steel sheet, galvanized
- Aluminium flaps



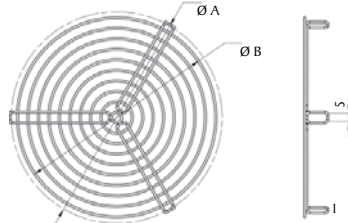
Type	Ø A in	B in	Weight lbs
RSK 100D	3,9	3,5	0,4
RSK 125D	4,9	3,5	0,7
RSK 150D	5,9	3,5	0,7
RSK 160D	6,3	3,5	0,7
RSK 200D	7,9	3,5	0,9
RSK 250D	9,8	5,1	2,0
RSK 315D	12,4	5,1	2,4
RSK 355D	14,0	7,9	4,2
RSK 400D	15,7	7,9	4,9

MECHANICAL

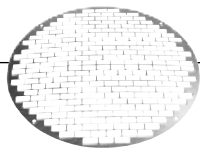


SG ... 01 | Protection grille

- Protection grille for round duct connection
- Wire, galvanized

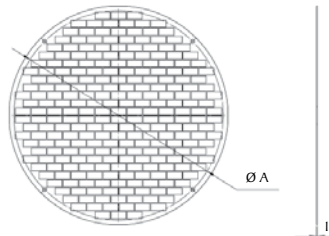


Type	For models:	Ø A		Weight
		in	in	lbs
SG 100 01	EV 100	3,9	3,5	0,2
SG 125 01	EL 125, EV 125	4,9	4,3	0,2
SG 150 01	EM 150, EL 150, EV 150	5,9	5,9	0,2
SG 160 01	EM 160, EL 160, EV 160	6,3	5,9	0,2
SG 200 01	EM 200, EL 200, EV 200	7,9	7,5	0,4
SG 250 01	EM 250, EL 250, EV 250	9,8	9,8	0,7
SG 315 01	EL 315, EV 315	12,4	12,4	1,1



SG ... 02 | Protection grille

- Inlet protection grille for EL
- Steel sheet, galvanized

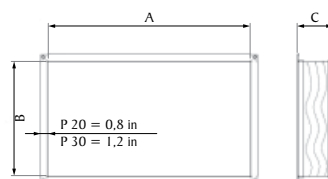


Type	For models:	Ø A	
		in	lbs
SG 200 02	EL 200	7,5	0,2
SG 250 02	EL 250	9,3	0,2
SG 280 02	EL 280	10,6	0,2
SG 315 02	EL 315	12,0	0,4
SG 355 02	EL 355	13,4	0,4
SG 400 02	EL 400	15,4	0,7
SG 450 02	EL 450	17,2	0,7
SG 500 02	EL 500	19,2	0,7
SG 560 02	EL 560	21,5	1,1
SG 630 02	EL 630	24,2	1,3
SG 710 02	EL 710	27,4	1,5



VS | Flexible duct collars

- Standard profile flange, 0,8 in (1,2 in)
- Steel sheet, galvanized
- Plastic band (PVC)
- Temperature stability up to 70 °C

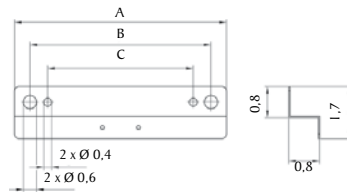


Type	Duct dimensions A x B		C	Weight
	in		in	lbs
VS 3015	11,8 x 5,9		3,9	3,1
VS 4020	15,7 x 7,9		3,9	4,0
VS 5025	19,7 x 9,8		3,9	4,9
VS 5030	19,7 x 11,8		3,9	5,1
VS 6030	23,6 x 11,8		3,9	5,7
VS 6035	23,6 x 13,8		3,9	5,5
VS 7032	27,6 x 12,8		3,9	6,0
VS 7040	27,6 x 15,7		3,9	6,8
VS 8050	31,5 x 19,7		3,9	7,9
VS 8055	31,5 x 21,7		3,9	7,7
VS 9030	35,4 x 11,8		3,9	6,8
VS 9040	35,4 x 15,7		3,9	7,5
VS 10050	39,4 x 19,7		3,9	8,6
VS 12040	47,2 x 15,7		3,9	9,0
VS 12060	(P 30) 47,2 x 23,6		3,9	14,8
VS 14071	(P 30) 55,1 x 28,0		3,9	17,0



MRS I Mounting bracket

- For EV tube fans
- Steel sheet, galvanized

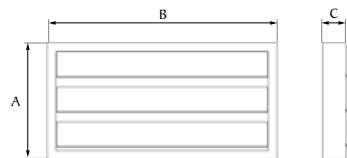


For models:		A	B	C	Weight
Type		in	in	in	lbs
MRS 1	EV 100 - 160	9,6	8,1	6,5	0,7
MRS 2	EV 150L - 315L	13,4	11,8	10,2	0,9



VKK I Automatic plastic shutter

- Automatic plastic shutter
- Resistance to weathering
- Temperature stability up to 70 °C

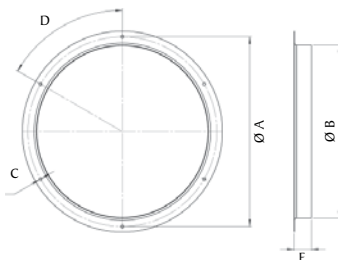


Type	A	B	C	Weight
	in	in	in	lbs
VKK 3015	5,8	11,7	1,6	0,7
VKK 4020	7,8	15,7	1,6	0,9
VKK 5025	9,8	19,6	1,6	1,5
VKK 5030	11,7	19,6	1,6	1,8
VKK 6030	11,7	23,5	1,6	2,2
VKK 6035	13,7	23,5	1,6	2,4
VKK 7040	15,7	27,5	1,6	2,9
VKK 8050	19,6	31,4	1,6	3,7
VKK 10050	19,6	39,3	1,6	5,1



DAF I Inlet flange

- Inlet flange
- Steel sheet, galvanized



Type	ø A	ø B	C	D	E	Weight
	in	in	in		in	lbs
DAF 180	8,4	7,0	6 x Ø 0,3	6 x 60°	1,6	0,7
DAF 250	11,3	9,8	6 x Ø 0,3	6 x 60°	1,6	0,9
DAF 400	17,2	15,7	6 x Ø 0,3	6 x 60°	1,6	1,5
DAF 560	23,8	22,5	8 x oval eyepl. 0,4 x 0,6	8 x 45°	1,2	4,2
DAF 710	26,5	25,1	8 x oval eyepl. 0,4 x 0,6	8 x 45°	1,2	-

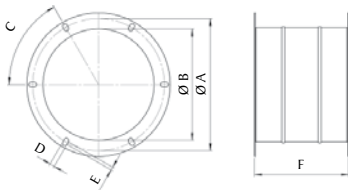
For models:		
Type	RF-N/RF-N ... P	KRF/KRF-I
DAF 180	220, 250	225, 250
DAF 250	280, 315	280, 315
DAF 400	355, 400, 450, 500	355, 400, 450, 500
DAF 560	560, 630	560, 630
DAF 710		710

MECHANICAL



DAS I Inlet collar

- Flexible connection
- Temperature stability up to 75 °C
- Steel sheet, galvanized
- Plastic band (PES)



Type	ø A in	ø B in	C	D in	E in	F in	Weight lbs
DAS 180	8,5	7,2	6 x 60°	0,3	0,2	3,7...6,1	2,2
DAS 250	11,3	9,9	6 x 60°	0,4	0,2	3,7...6,1	2,9
DAS 400	17,2	15,8	6 x 60°	0,4	0,2	3,7...6,1	5,1
DAS 560	23,8	22,4	8 x 45°	0,4	0,2	3,7...6,1	9,9
DAS 710	26,5	25,0	8 x 45°	0,4	0,2	3,7...6,1	-

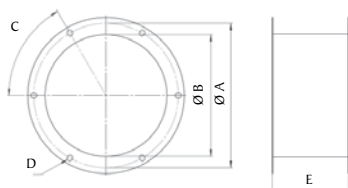
For models:

Type	RF-N/RF-N ... P	KRF/KRF-I
DAS 180	220, 250	225, 250
DAS 250	280, 315	280, 315
DAS 400	355, 400, 450, 500	355, 400, 450, 500
DAS 560	560, 630	560, 630
DAS 710		710



DVK I Shutter automatic

- Automatic shutter
- Steel sheet, galvanized



Type	ø A in	ø B in	C	D in	E in	Weight lbs
DVK 180	8,5	7,2	6 x 60°	6 x oval eyepl. 0,3 x 0,5	4,5	2,6
DVK 250	11,3	10,0	6 x 60°	6 x Ø 0,4	6,1	4,4
DVK 400	17,2	16,0	6 x 60°	6 x Ø 0,4	8,7	9,3
DVK 560	23,8	22,6	8 x 45°	8 x Ø 0,4	10,0	16,5
DVK 710	26,5	25,2	8 x 45°	8 x Ø 0,4	9,8	18,7

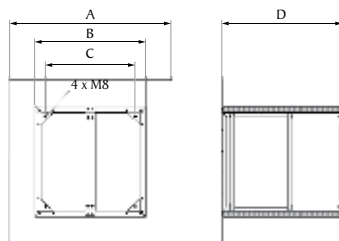
For models:

Type	RF-N/RF-N ... P	KRF/KRF-I
DVK 180	220, 250	225, 250
DVK 250	280, 315	280, 315
DVK 400	355, 400, 450, 500	355, 400, 450, 500
DVK 560	560, 630	560, 630
DVK 710		710

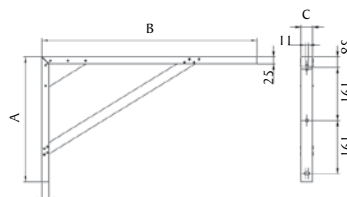
- Aluminum flat roof socket
- 1,2 in sound and heat insulation



- Socket silencer
- Sound-heat insulated
- Mineral wool insulation



- Sheet steel, galvanized
- 1 Set = 2 pcs.



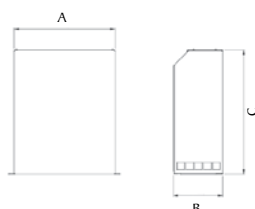
For models: Ø A Ø B C Weight

Type	KBF-I	in	in	in	lbs
WK KBF-I 07	225 - 450	17,7	25,6	1,7	5,7
WK KBF-I 08	500 - 560	17,7	34,8	1,7	6,4

MECHANICAL



WSH KBF-I | Weather protection hood

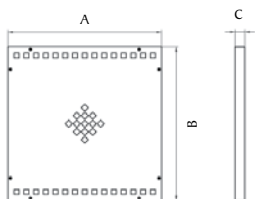


Type	For models:	Ø A	Ø B	C	Weight
	KBF-I/KBF-N	in	in	in	lbs
WSH KBF-I	225 - 560	10,3	4,7	12,6	3,3

- For motor
- Sheet steel, galvanized



MB BF-N | Motor protection shield

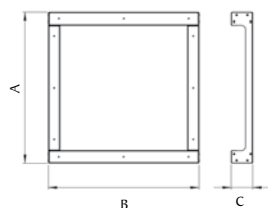


Type	For models:	Ø A	Ø B	C	Weight
	BF-N / BF-E.M	in	in	in	lbs
MB BF-N 01	225 - 315	16,3	16,3	1,5	3,3
MB BF-N 02	400 - 500	24,3	24,3	1,5	6,4
MB BF-N 03	560 - 630	32,1	32,2	1,5	11,7

- Cover plate for motor
- Sendzimir galvanized sheet metal

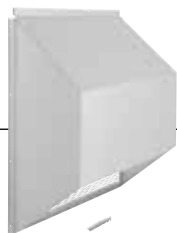


GR BF-N | Base frame

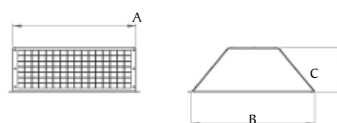


Type	For models:	Ø A	Ø B	C	Weight
	BF-N / BF-E.M	in	in	in	lbs
GR BF-N 01	280, 315	19,7	19,7	4,0	9,3
GR BF-N 02	400, 450	27,6	27,6	4,0	13,0
GR BF-N 03	500 - 630	35,4	35,4	4,0	17,0

- Sheet steel, galvanized



WSH BF-N | Weather protection hood

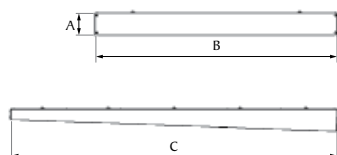


Type	A	B	C	Weight
	in	in	in	lbs
WSH BF-N 01	14,4	15,0	8,0	5,5
WSH BF-N 02	22,5	22,5	7,9	9,7
WSH BF-N 03	29,8	30,3	8,7	14,8

- Sheet steel, galvanized



RD BF-N I Rain cover



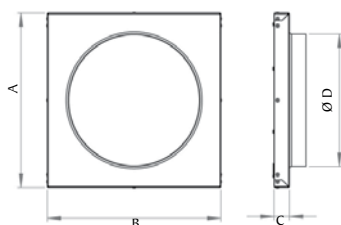
- Sheet steel, galvanize
- Incl. roof girder

Type	For models: BF-N / BF-E.M	A in	B in	C in	Weight lbs
RD BF-N 01	280, 315	2,0	27,6	27,6	-
RD BF-N 02	400, 450, 500	2,3	35,4	35,4	-
RD BF-N 03	560, 630	2,8	43,3	43,3	-



US BF-N I Panel with spigot for BF-N

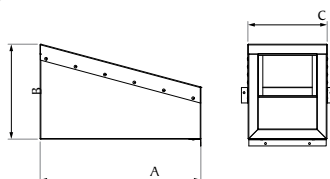
- Sheet steel, galvanized
- Insulated
- Circular outlet duct connection flange for BF-N / BF-E.M



Type	For models: BF-N	BF-E.M	A in	B in	C in	Ø D in	Weight lbs
US BF-N 01	225	225	16,3	16,3	1,5	12,4	6,2
US BF-N 02	250, 280	250, 280, 315	16,3	16,3	1,5	14,0	5,7
US BF-N 03	315, 400		24,2	24,2	1,5	15,7	13,9
US BF-N 04	450	400	24,2	24,2	1,5	17,7	13,0
US BF-N 05		450	24,2	24,2	1,5	19,7	12,1



SDK I Sound diffuser for air units supply



- Steel sheet, galvanized
- 1,2 in mineral wool insulation
- 1 Set = 2 pcs.

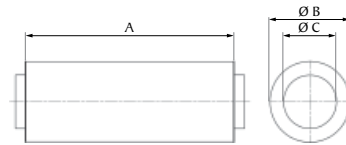
Type	A in	B in	C in	Weight lbs
SDK 0130	18,7	9,2	11,1	9,9

Type	A _{tot}	Octave bands [Hz]						
		125	250	500	1k	2k	4k	8k
SDK 0130	11	0	0	6	17	23	17	12

MECHANICAL



SDS I Duct silencer, rigid

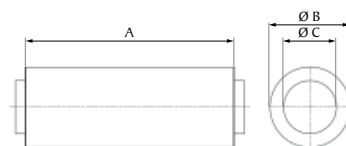


- Steel sheet, galvanized
- Sound insulation material 2 in
- Length A = 39,4 in

Type	Noise reduction dB							Ø B	Ø C	Weight
	Octave bands [Hz]									
	125	250	500	1k	2k	4k	8k			
SDS 100	8	10	20	17	18	19	15	7,9	3,9	10,8
SDS 125	6	12	25	26	30	30	18	8,9	4,9	11,7
SDS 150	5	10	24	24	28	25	22	9,8	5,9	13,0
SDS 160	5	11	23	28	34	26	21	10,2	6,3	12,8
SDS 200	2	9	19	25	27	18	20	11,8	7,9	15,7
SDS 250	1	8	19	25	25	16	15	13,8	9,8	10,4
SDS 280	6	10	18	22	18	14	14	15,0	11,0	22,7
SDS 315	0	5	10	22	16	13	14	16,3	12,4	21,4
SDS 355	4	7	14	24	14	11	12	17,9	14,0	25,6
SDS 400	2	3	10	18	10	8	7	19,7	15,7	26,7
SDS 450	-	-	-	-	-	-	-	21,7	17,7	-
SDS 500	4	5	10	8	10	11	11	23,6	19,7	44,3

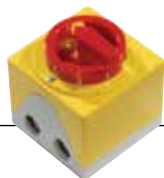


SDF I Duct silencer, flexible



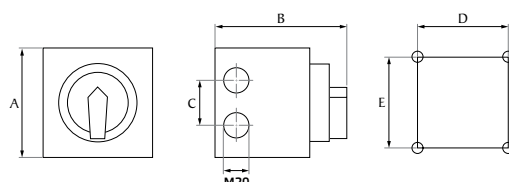
- Steel sheet, galvanized
- Sound insulation material 2 in
- Length A = 39,4 in

Type	Noise reduction dB							Ø B	Ø C	Weight
	Octave bands [Hz]									
	125	250	500	1k	2k	4k	8k			
SDF 100	8	10	20	17	18	19	15	7,9	3,9	5,3
SDF 125	6	12	25	26	30	30	18	8,9	4,9	5,5
SDF 150	5	10	24	24	28	25	22	9,8	5,9	6,0
SDF 160	5	11	23	28	34	26	21	9,8	6,3	6,2
SDF 200	2	9	19	25	27	18	20	11,8	7,9	7,7
SDF 250	1	8	19	25	25	16	15	14,0	9,8	10,8
SDF 315	0	5	10	22	16	13	14	15,7	12,4	13,0
SDF 355	4	7	14	24	14	11	12	17,7	14,0	15,2
SDF 400	2	3	10	18	10	8	7	19,7	15,7	16,3



GS I Isolator switch

GS 01 - GS 03



GS 05

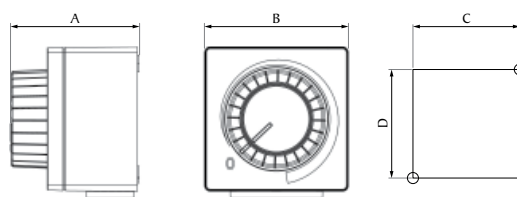
- Switching capacity AC-3 = 5.5 kW
- U_{max} = 400 V, 50/60 Hz
- I_{max} = 16 A
- Surface mounting

Type	Pole	Main contact N/O contact	Auxiliary contact N/O contact	N/C contact	A in	B in	C in	D in	E in	Weight lbs
GS 01	3	3	2	1	3,4	3,9	1,3	2,7	2,7	0,7
GS 02	6	6	0	0	3,4	3,8	1,3	2,7	2,7	0,7
GS 03	6	6	1	1	3,4	4,4	1,3	2,7	2,7	0,7
GS 05	3	3	0	0	3,4	3,8	1,0	2,2	2,2	0,4



MTP I Potentiometer

- Resistance 10 k Ω
- Surface and flush mounting
- Max. ambient temperature 50 °C
- Switching contact:
1A/250 V AC - 4A/12 V DC
- VDE
- Protection class IP 44



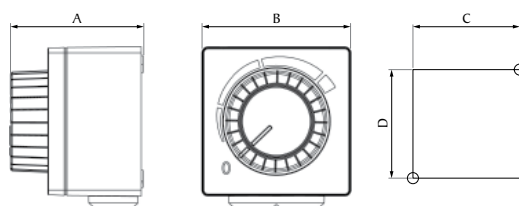
Type	A in	B in	C in	D in	Weight lbs
MTP 20	2,9	3,3	2,6	2,6	0,4

ELECTRICAL



MTS I 3-step switch

- Surface and flush mounting
- Max. ambient temperature 50 °C
- VDE
- Protection class IP 44
- U_{max} = 250 V, 50 Hz
- I_{max} = 4 A

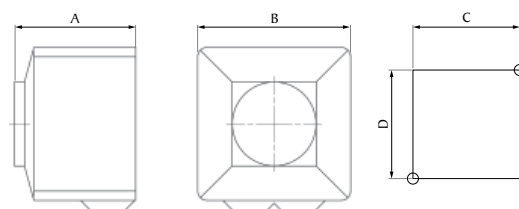


Type	A in	B in	C in	D in	Weight lbs
MTS 10	2,9	3,3	2,6	2,6	0,4



ETY I Electronic controller

- No steps
- Surface and flush mounting
- Max. ambient temp 35 °C
- Protection class IP 44



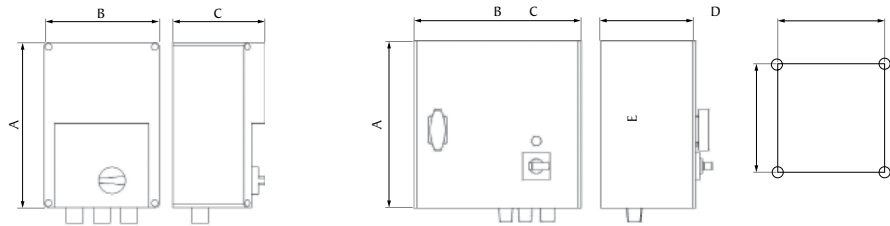
Type	I _{max} A	Fuse A	Input voltage	A in	B in	C in	D in	Weight lbs
ETY 15	1,5	2,0	230 V 1~, 50 Hz	2,6	3,2	2,4	2,4	0,4
ETY 25	2,5	3,2	230 V 1~, 50 Hz	2,6	3,2	2,4	2,4	0,4



TEE/TEM/TEM...G/TEM...S | 5-step transformer

With plastic housing

- Input voltage
230 V 1~, 50/60 Hz
- With motor protection
- Surface mounting
- Max. ambient temp 35 °C
- Protection class IP 54
- TEM ... G
With contact for gas solenoid valve
- TEM ... S
With contact for damper motor



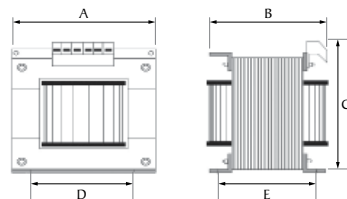
- With metal housing

	I_{max}	Fuse	Output voltage U_A	Casing	A	B	C	D	E	Weight
Type	A	A	V		in	in	in	in	in	lbs
TEE 015	1,5	2,0	110/140/170/190/230	Plastic	8,1	4,5	3,9	3,9	5,5	0,2
TEM 035	3,5	5,0	110/140/170/190/230	Plastic	10,0	6,7	5,5	6,1	7,6	0,4
TEM 050	5,0	8,0	110/140/170/190/230	Plastic	10,0	6,7	5,5	6,1	7,6	0,5
TEM 075	7,5	10,0	110/140/170/190/230	Plastic	12,0	7,9	5,5	7,2	9,3	0,7
TEM 100	10,0	14,0	110/140/170/190/230	Metal	12,8	11,8	7,3	10,0	10,0	1,1
TEM 130	13,0	18,0	110/140/170/190/230	Metal	12,8	11,8	7,3	10,0	10,0	1,3
TEM 035G	3,5	5,0	110/140/170/190/230	Plastic	10,0	6,7	5,5	6,1	7,6	0,4
TEM 050G	5,0	8,0	110/140/170/190/230	Plastic	10,0	6,7	5,5	6,1	7,6	0,5
TEM 075G	7,5	10,0	110/140/170/190/230	Plastic	12,0	7,9	5,5	7,2	9,3	0,7
TEM 100G	10,0	14,0	110/140/170/190/230	Metal	12,8	11,8	7,3	10,0	10,0	1,1
TEM 130G	13,0	18,0	110/140/170/190/230	Metal	12,8	11,8	7,3	10,0	10,0	1,3
TEM 035S	3,5	5,0	110/140/170/190/230	Plastic	10,0	6,7	5,5	6,1	7,6	0,4
TEM 050S	5,0	8,0	110/140/170/190/230	Plastic	10,0	6,7	5,5	6,1	7,6	0,5
TEM 075S	7,5	10,0	110/140/170/190/230	Metal	12,0	7,9	5,5	7,2	9,3	0,7
TEM 100S	10,0	14,0	110/140/170/190/230	Metal	12,8	11,8	7,3	10,0	10,0	1,1
TEM 130S	13,0	18,0	110/140/170/190/230	Metal	12,8	11,8	7,3	10,0	10,0	1,3



TES | Transformer

- Input voltage
230 V 1~, 50/60 Hz
- Without motor protection
- For switch cabinet
- Max. ambient temp 35 °C
- Protection class IP 20



	I_{max}	Output voltage U_A	A	B	C	D	E	Weight
Type	A	V	in	in	in	in	in	lbs
TES 0145	1,45	80/100/125/150/175/190/200/230	3,1	2,6	3,1	2,2	2,1	3,1
TES 035	3,5	80/100/125/150/175/190/200/230	4,3	3,5	4,4	3,5	2,6	7,1
TES 050	5,0	80/100/125/150/175/190/200/230	4,3	3,9	4,4	3,5	3,0	8,8
TES 075	7,5	80/100/125/150/175/190/200/230	4,7	4,7	4,8	3,9	3,6	13,0
TES 100	10,0	80/100/125/150/175/190/200/230	5,3	5,0	5,3	4,4	3,6	16,8
TES 130	13,0	80/100/125/150/175/190/200/230	5,9	5,5	5,7	4,9	4,1	21,6

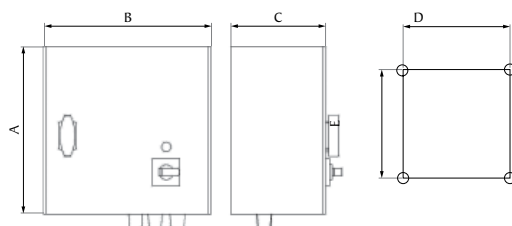
ELECTRICAL



TDM | 5-step transformer

With metal housing

- Input voltage
400 V 3~, 50/60 Hz
- With motor protection
- Max. ambient temp 35 °C
- Protection class IP 54
- TDM ... G
With contact for gas solenoid valve
- TDM ... S
With contact for damper motor

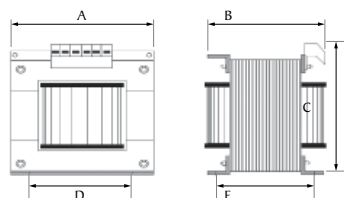


Type	I_{max}	Output voltage U_A	A	B	C	D	E	Weight
	A	V	in	in	in	in	in	lbs
TDM 025	2,5	130/180/230/300/400	12,8	11,8	6,9	10,0	10,0	27,6
TDM 040	4,0	130/180/230/300/400	16,7	11,8	6,9	10,0	14,0	40,1
TDM 060	6,0	130/180/230/300/400	16,7	11,8	9,3	10,0	14,0	47,6
TDM 080	8,0	130/180/230/300/400	16,7	11,8	9,3	10,0	14,0	59,5
TDM 110	11,0	130/180/230/300/400	16,9	15,7	9,3	14,0	14,0	80,9
TDM 025G	2,5	130/180/230/300/400	12,8	11,8	6,9	10,0	10,0	27,8
TDM 040G	4,0	130/180/230/300/400	16,7	11,8	6,9	10,0	14,0	39,9
TDM 060G	6,0	130/180/230/300/400	16,7	11,8	9,3	10,0	14,0	47,8
TDM 080G	8,0	130/180/230/300/400	16,7	11,8	9,3	10,0	14,0	59,5
TDM 110G	11,0	130/180/230/300/400	16,9	15,7	9,3	14,0	14,0	79,8
TDM 025S	2,5	130/180/230/300/400	12,8	11,8	6,9	10,0	10,0	27,6
TDM 040S	4,0	130/180/230/300/400	16,7	11,8	6,9	10,0	14,0	39,9
TDM 060S	6,0	130/180/230/300/400	16,7	11,8	9,3	10,0	14,0	48,1
TDM 080S	8,0	130/180/230/300/400	16,7	11,8	9,3	10,0	14,0	59,5
TDM 110S	11,0	130/180/230/300/400	16,9	15,7	9,3	14,0	14,0	80,7



TDS | Transformer

- Input voltage
400 V 3~, 50/60 Hz
- Without motor protection
- For switch cabinet
- Max. ambient temp 35 °C
- Protection class IP 20

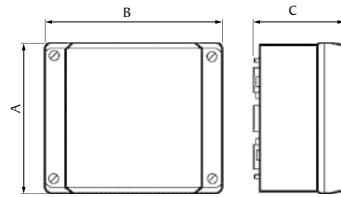


Type	I_{max}	Output voltage U_A	A	B	C	D	E	Weight
	A	V	in	in	in	in	in	lbs
TDS 025	2,5	130/170/220/260/300/400	4,3	3,9	4,4	3,5	3,0	15,9
TDS 040	4,0	130/170/220/260/300/400	4,7	4,7	4,8	3,9	3,6	29,5
TDS 060	6,0	130/170/220/260/300/400	5,3	5,0	5,3	4,4	3,8	32,6
TDS 080	8,0	130/170/220/260/300/400	5,9	5,5	5,7	4,9	4,1	43,2
TDS 110	11,0	130/170/220/260/300/400	5,9	6,4	5,7	4,9	5,2	61,7



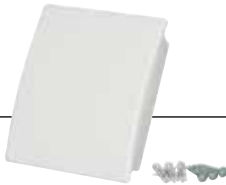
CON I Constant pressure control

- Output 0-10 V DC
- Protection class IP 55
- Day/night operation
- Actual value display on the control unit possible



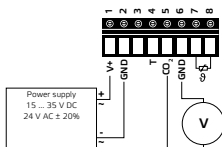
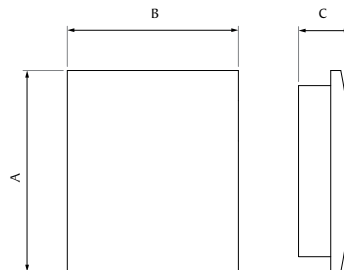
Accessories (optional):
Climate kit pieces ID: 111314
consisting of flexible tube, connection fitting and screw

Type	Control range Pa	Input voltage	A in	B in	C in	Weight lbs
CON P1000	± 1000	230 V 1~, 50/60 Hz	4,6	5,5	2,8	1,1



SEN CO2 I CO2 control

- Protection class IP55
- Long-term stable double-beam infrared cell
- For variable air volume control in meeting rooms

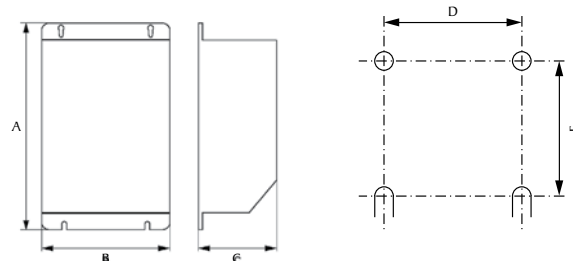


Type	Range of measurement ppm	A in	B in	C in	Weight lbs
SEN CO2-OPTION	0 – 2000	8,7	3,3	1,0	0,4



ECC I EC-Controller

- Adjustable speed
- Max. ambient temp -10 °C - +40 °C
- IP 20



Type	I _A A	Input voltage	A in	B in	C in	D in	E in	Weight lbs
ECC 14 01	10,0	230 V 1~, 50/60 Hz	11,8	5,7	6,6	4,3	11,3	12,8
ECC 20 02	3,0	400 V 3~, 50/60 Hz	14,0	6,1	4,7	4,0	13,5	12,1
ECC 30 01	4,5	400 V 3~, 50/60 Hz	11,8	5,7	6,6	4,3	11,3	12,1
ECC 45 01	5,0	400 V 3~, 50/60 Hz	11,8	5,7	6,6	4,3	11,3	12,3

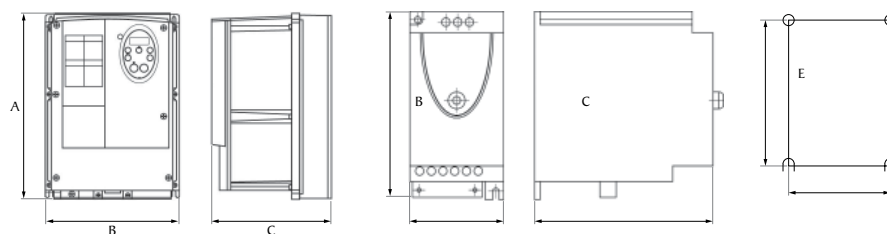


- IP 55 Similar to image



- IP 20/21 Similar to image

FU I Frequency converter



- Power supply
230 V 1~, 50/60 Hz
- Variable speed control
- Output voltage 0 - 230 V 3~
- Motor-/converter protection
- Integrated interference filter/
class A
- Integrated Modbus interface
- Easy start-up

Type	p W	I _A A	p _V W	Protection class	t _U °C	A in	B in	C in	D in	E in	Weight lbs
FU 075 01	750	4,8	60	IP 55	-10/+40	9,4	8,3	8,5	8,6	7,6	13,9
FU 15 01	1500	8,0	90	IP 55	-10/+40	11,7	8,5	9,6	10,9	7,8	19,4
FU 22 01	2200	11	123	IP 55	-10/+40	13,4	9,1	10,3	12,5	8,3	23,6
FU 075 03	750	4,2	44	IP 20	-10/+40	5,6	2,8	5,2	4,7	2,4	2,0
FU 15 03	1500	7,5	72	IP 20	-10/+40	5,6	4,1	6,1	4,7	3,7	3,1
FU 22 04	2200	10,0	93	IP 20	-10/+40	5,6	4,1	6,1	4,7	3,7	3,3

- Power supply
400 V 3~, 50/60 Hz
- Output voltage 0 - 400 V 3~
- Variable speed control
- Motor-/converter protection
- Integrated interference filter/
class A
- Integrated Modbus interface
- Easy start-up

Type	p _{IN} W	I _A A	p _V W	Protection class	t _U °C	A in	B in	C in	D in	E in	Weight lbs
FU 22 05	2200	5,5	79	IP 21	-10/+50	7,2	5,6	6,0	6,2	5,0	5,1
FU 30 03	3000	7,1	123	IP 21	-10/+50	7,2	5,6	6,0	6,2	5,0	5,5
FU 40 03	4000	9,5	150	IP 21	-10/+50	7,2	5,6	6,0	6,2	5,0	5,5
FU 55 03	5500	14,3	232	IP 21	-10/+50	9,1	7,1	6,8	8,3	6,3	10,4
FU 22 03	2200	5,5	79	IP 55	-10/+40	13,4	9,1	10,3	12,5	8,3	23,6
FU 30 04	3000	7,1	123	IP 55	-10/+40	13,4	9,1	10,3	12,5	8,3	23,6
FU 40 04	4000	9,5	150	IP 55	-10/+40	13,4	9,1	10,3	12,5	8,3	23,6

A/SP Series

EXHAUST PLASTIC GRILLES



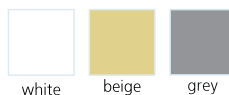
Application

- Decoration of supply and exhaust vents of public, residential and industrial ventilation systems.
- External wall mounting.

Design

- Made of quality and durable plastic.
- Multi-element structure.
- Fitted with louvre shutters for back flow prevention.
- Screw fixing.

Colour modifications



A/PS- models with a round flange and louvre shutters

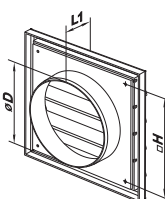
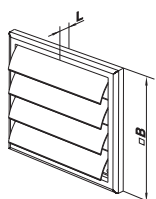


- Exhaust grille for wall mounting.
- Fitted with louvre shutters.
- Fitted with a round connecting flange for mounting.



Overall dimensions

Model	Dimensions, mm			Flange (D)	Air pass, m ²
	□B	□H	L		
A/PS 120	186	142	15	125	0,0113
A/PS 150	186	142	15	150	0,0113
A/PS 250	250	214	15	0,0177-0,056	0,0113



A/MS

Series



SUPPLY AND EXHAUST SINGLE-ROW GRILLES

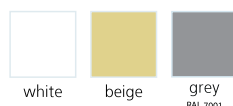
Application

- Decoration of exhaust vents of public, residential and industrial ventilation systems.
- For supply ventilation and air conditioning.
- Used for correct air flow distribution in premises.
- Internal or external wall and ceiling mounting.

Design

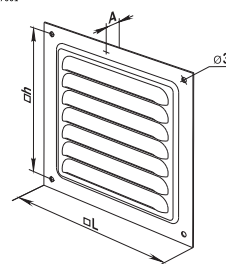
- Made of steel, galvanised steel or aluminium and are suitable for colourful polymer painting.
- Screw fixing.
- Quality materials and zinc-phosphate treatment ensure coating integrity and provide reliable corrosion protection.
- Modifications with a protecting insect screen are available.

Colour modifications



Overall dimensions

Model	Dimensions, [mm]			Air pass, [m ²]
	□L	□H	A	
A/MS 125	125	111	0,	80,0035
A/MS 150	150	136	0,	80,0060
A/MS 200	200	182	0,	80,0117
A/MS 250	250	234	0,	80,0166



A/HS

Series

SUPPLY AND EXHAUST PLASTIC GRILLES



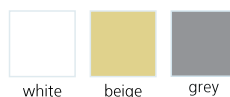
Application

- Decoration of supply and exhaust vents of public, residential and industrial ventilation systems.
- External wall mounting.

Design

- Made of quality and durable plastic.
- Two-element structure for easy maintenance.
- Screw fixing.
- Equipped with a protecting grille against birds and rodents.

Colour modifications



Modifications

A/HS models with a round flange and a backdraft damper



- Exhaust hoods for wall mounting.
- Fitted with a gravity backdraft damper for back flow prevention.



Overall dimensions

Model	Dimensions, [mm]						Air pass, [m ²]
	□B	□H	L	L1	L2	Flange (D)	
A/HS102	154	110	15	45	87	100	0,008
A/HS122	186	142	15	45	101	125	0,012
A/HS152	186	142	15	50	101	150	0,012

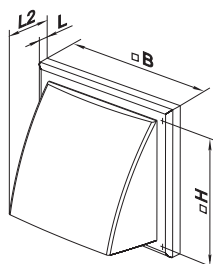


Fig. 1

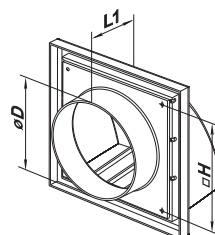


Fig 2

A/DV Series

SUPPLY AND EXHAUST PLASTIC AIR DISK VALVES



Application

- For supply and exhaust ventilation, air conditioning and heating.
- Mounting in false ceilings or walls.
- Used to arrange correct air circulation in premises.

Design

- Made of high quality plastic (ABS plastic or polystyrene).
- Special aerodynamic disk valve design ensures uniform air distribution.
- Smooth air pass regulation due to rotation of central part of the damper.
- Easy installation with fixing lugs and a mounting flange with a lock ring.
- The internal part has a sealing ring for more tight fit.

Grille modifications

A/DV 100 -150, models with a mounting flange



- Equipped with a mounting flange and a lock ring for easy connection to round Ø 80/100/125 /150/200 mm air ducts.
- Mounting flange is fixed to false ceiling with screws.
- Lock ring provides easy fixing of the flexible air duct on a mounting flange.



A/DV 200 double models Ø 200 mm mounting flange



- Two regulating elements for more perfect air flow distribution.
- Equipped with a mounting flange and a lock ring for easy connection to round Ø 200 mm air ducts.
- Mounting flange is fixed to false ceiling with screws.
- Lock ring provides easy fixing of the flexible air duct on a mounting flange.



Overall dimensions

Model	Dimensions, mm					Air pass, m ²	Damper normal pitch, mm
	D	D1	D2	H	H1		
A/DV 100	100	90	148	58	28	0...0,006	0...20
A/DV 125	125	110	166	58	20	0...0,008	0...22
A/DV 150	150	128	200	58	20	0...0,009	0...23
A/DV 200	200	183	246	58	20	0...0,009	0...16

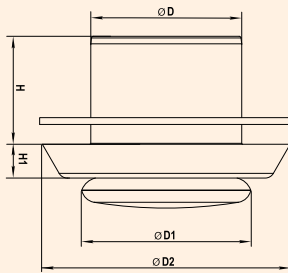


Fig. 1

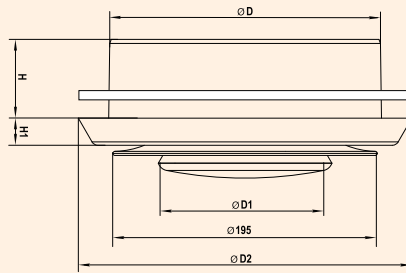
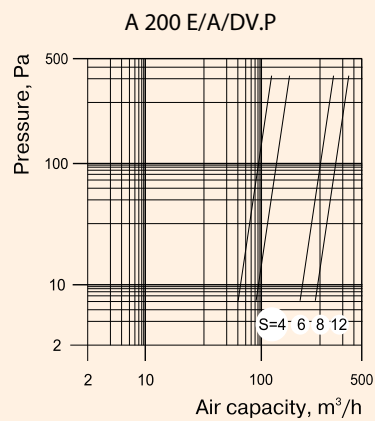
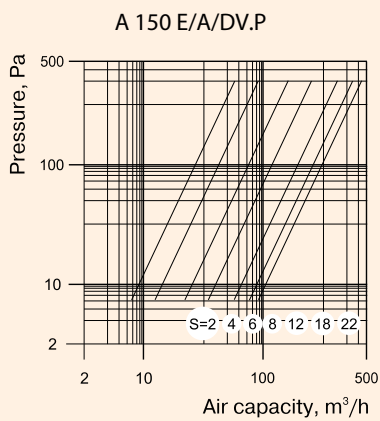
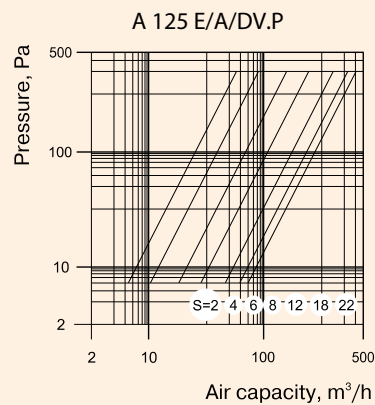
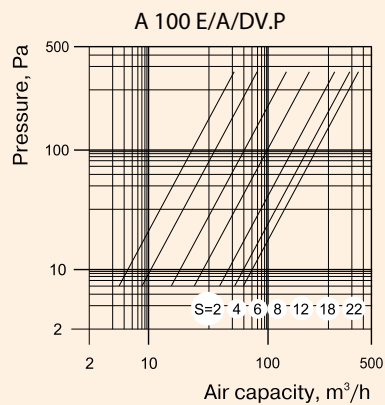


Fig. 2

Technical parameters



Aluminum Flexible Duct



Available Sizes/ Dimensions		
mm	Diameter	
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"

Item	Single Layer Aluminum Flexible Duct	Double Layer Aluminum Flexible Duct
Construction (From outside to inside)	Aluminum Foil + PET	Aluminum Foil + PET + Aluminum Foil
Color	Silver/Black/Gold	Silver/Black/Gold
Inner Diameter	40mm-) 50mm 1.5"-25")	40mm-) 50mm 1.5"-25")
Carbon Steel Wire Diameter	0.9mm-1.3mm	0.9mm-1.3mm
Length	10m(Max)	10m(Max)
Thickness	0.025mm-0.028mm	0.032mm-0.035mm
Fire Resistance	Class A2(Max)	Class A2(Max)
Compress Ratio	10 - 0.4	10 - 0.4
Temperature Range	-30°C/+150°C	-30°C/+150°C
Operating Pressure	3000Pa	3000Pa
Maximum Air Velocity	30m/s	30m/s

Insulated Flexible Duct

Available Sizes/ Dimensions		
Diameter		
mm		inch
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"



Item			Insulated Flexible Duct		
			Yellow Fiberglass	Owens Corning Fiberglass	Polyester
Construction (From outside to inside)	Sleeve		Aluminum Foil / Glass Fabric / Combi PVC	Aluminum Foil / Glass Fabric / Combi PVC	Aluminum Foil / Glass Fabric / Combi PVC / VMPET
	Fiberglass /Polyester	Density /Gram Weight	16kg/m³~32kg/m³	10kg/m³~24kg/m³	100g/m²~750g/m²
		Thickness	25mm / 30mm	25mm / 50mm	
	Inner Duct	Material	Single / Double Layer Aluminum Flexible Duct	Single / Double Layer Aluminum Flexible Duct	Double Layer Aluminum Flexible Duct / VMPET Flexible Duct
		Diameter	50mm~650mm 2"-25")	50mm~650mm 2"-25")	50mm~650mm 2S -25")
Carbon Steel Wire Diameter			0.9mm~1.3mm	0.9mm~1.3mm	0.9mm~1.3mm
Length			10m(Max)	10m(Max)	10m(Max)
Thermal Insulation					R 1.0~R 3.0
Fire Resistance			Class A2(Max)	Class A2(Max)	Class A2(Max)
Compress Ratio			10 - 1	10 - 1	10 - 1
Temperature Range			-30T /+150T	-30T /+150T	-30T /+150T
Operating Pressure			3000Pa	3000Pa	3000Pa
Maximum Air Velocity			30m/s	30m/s	30m/s

Acoustic Flexible Duct

Available Sizes/ Dimensions		
Diameter		
mm		inch
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"



Item			Acoustic Flexible Duct		
			Yellow Fiberglass	Owens Corning Fiberglass	Polyester
Construction (From outside to inside)	Sleeve		Aluminum Foil/Glass Fabric/Combi PVC	Aluminum Foil/Glass Fabric/Combi PVC	Aluminum Foil / Glass Fabric / Combi PVC / VMPET
	Fiberglass/ Polyester	Density /Gram Weight	16kg/m³-32kg/m³	10kg/m³-24kg/m³	100g/m²-750g/m²
		Thickness	25mm/30mm	25mm / 50mm	
	Plastic Bag		PET	PET	PET
	Inner Duct (With hole)	Material	Single/Double Layer Aluminum Flexible Duct	Single/Double Layer Aluminum Flexible Duct	Single / Double Layer Aluminum Flexible Duct / VMPET Flexible Duct
		Diameter	50mm-650mm 2"-25")	50mm-650mm 2"-25")	50mm-650mm 2s -25")
Carbon Steel Wire Diameter			0.9mm-1.3mm	0.9mm-1.3mm	0.9mm-1.3mm
Length			10m(Max)	10m(Max)	10m(Max)
Thermal Insulation					R 1.0-R 3.0
Fire Resistance			Class A2(Max)	Class A2(Max)	Class A2(Max)
Compress Ratio			10 - 1	10 - 1	10 - 1
Temperature Range			-30T /+150T	-30T /+150T	-30T /+150T
Operating Pressure			3000Pa	3000Pa	3000Pa
Maximum Air Velocity			30m/s	30m/s	30m/s

Silencer

Available Sizes/ Dimensions		
mm	Diameter	
		inch
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"



Item			Silencer
Construction (From outside to inside)	Sleeve		Aluminum Flexible Duct
	Polyester/ Fiberglass	Material	Black Polyester
		Gram Weight /Density	1400g/m²
		Thickness	60mm
	Inner Duct	Material	Non-Woven Cloth With Reinforced Plastic Wire
		Diameter	150mm-350mm ("-14")
Length			1m(Max)
Fire Resistance			Non-Flammable
Temperature Range			-30°C/+1(0°C
Operating Pressure			3000Pa
Maximum Air Velocity			30m/s

High- Temperature Ventilation Duct

Available Sizes/ Dimensions		
Diameter		
mm		inch
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"



Item	High-Temperature Ventilation Duct
Construction (From outside to inside)	Reinforced Glass Fabric
Color	Metallic Grey/Green
Inner Diameter	50mm-500mm (2"-20")
Thickness	0.35mm
Length	10m(Max)
Fire Resistance	Non-flammable
Compression Ratio	10 : 0.6
Temperature Range	-70°C/+250°C/+400T /+800T /+1000T
Operating Pressure	3000Pa
Maximum Air Velocity	30m/s

Double layers Combi PVC Flexible Duct

Available Sizes/ Dimensions		
Diameter		
mm		inch
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"



Item	Double Layers Combi PVC Flexible Duct
Construction	2 layers Aluminum Foil + PET + PVC Film
Color	White/Black/Grey/Brown
Inner Diameter	50mm-650mm (2"-25")
Carbon Steel Wire Diameter	0.9mm-1.3mm
Length	10m(Max)
Thickness	0.132-0.135mm
Fire Resistance	Limited Combustibility (Fire Will Out Within 3 Seconds)
Compression Ratio	10 : 0.6
Temperature Range	-30°C/+140°C
Operating Pressure	3000Pa
Maximum Air Velocity	30m/s

Semi- Rigid Aluminum Duct

Available Sizes/ Dimensions		
Diameter		
mm		inch
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"



Item	Semi-Rigid Aluminum Duct
Material	Pure Aluminum
Color	Silver
Inner Diameter	45mm-400mm (1.8"-16")
Thickness of Duct	0.06mm-0.20mm
Goffer Number	+
Length	6m(Max)
Fire Resistance	Non-Flammable
Compression Ratio	3 : 1
Temperature Range	-30S /+300S
Operating Pressure	2000Pa
Maximum Air Velocity	30m/s

Copper Plating Aluminum Flexible Duct

Available Sizes/ Dimensions		
Diameter		
mm		inch
Ø 100		Ø 4"
Ø 150		Ø 6"
Ø 200		Ø 8"
Ø 250		Ø 10"
Ø 300		Ø 12"
Ø 350		Ø 14"
Ø 400		Ø 16"
Ø 450		Ø 18"
Ø 500		Ø 20"



Item	Copper Plating Aluminum Flexible Duct
Construction	Aluminum Foil with copper plating + PET
Color	Gold
Inner Diameter	50mm-650mm (2"-25")
Carbon Steel Wire Diameter	0.9mm-1.3mm
Length	10m(Max)
Thickness	0.032-0.035mm
Fire Resistance	Non-flammable (A2 Class)
Compression Ratio	10 : 0.4
Temperature Range	-30°C/+1(0°C
Operating Pressure	3000Pa
Maximum Air Velocity	30m/s
Normal Wire Spacing	30mm-50mm(depend one diameter)
Special Wire Spacing	14mm



Notified body N° 0370



CERTIFICATE

Nr.

0370-CPR-2128

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

SMOKE AND HEAT CONTROL SYSTEMS. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT EXHAUST VENTILATORS: XCT & XCT/ATEX F300

Produced by:

**EUROVENTUS ®
SPAIN**

And produced in the manufacturing plant:

14/32300925

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 12101-3:2002, EN 12101-3:2002/AC:2005

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**


LGAI Technological Center, S.A.

Jordi Brufau Redondo
General Manager


LGAI Technological Center, S.A.

Xavier Ruiz Peña
Product Conformity B.U., Managing Director



This document is not valid without its technical annex, whose number coincides with the number of certificate.

All the models have their corresponding version in ATEX (/CAT3).

The obtained classification in accordance to UNE EN 12101-3:2002 has been:

**"XCT and XCT/ATEX" ranges of EuroVentus® tested with WEG and
Maraz motors
300°C/2h
CLASE F 300, 60 minutes
Fans placed inside the furnace.**



Digitally signed by
Jordi Mirabent Junyent

Fire Laboratory Responsible
LGAI Technological Center, S.A.



Digitally Signed By
Albert Ger

Fire Resistance Responsible
LGAI Technological Center, S.A.

The results refer exclusively to the sample, product or material surrendered to the Laboratory, just as it is informed in the section of received material and tested under the conditions indicated in the norms mentioned in this document.
In the event of litigation, Spanish version will be valid

Quality Service Warranty

Applus+, guaranties that this work has been realized following the exigencies of our Quality and Sustainable System, complying with honouring the contractual conditions and the legal standard.

We would be very grateful if you would send us any comment you consider appropriate, addressing either to the signatory of this document or to the Applus+ Quality Director, to the direction satisfaccion.cliente@appluscorp.com



Notified body N° 0370



CERTIFICATE

No.

0370-CPR-2456

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

SMOKE AND HEAT CONTROL SYSTEMS. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT EXHAUST VENTILATORS: XCT & XCT/ATEX F400 ⁽¹²⁰⁾

Produced by:

**EUROVENTUS®
SPAIN**

And produced in the manufacturing plant:

15/32301211 & 15/32301008

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 12101-3:2002, EN 12101-3:2002/AC:2005

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**


LGAI Technological Center, S.A.

Jordi Brufau Redondo
General Manager


LGAI Technological Center, S.A.

Xavier Ruiz Peña
Product Conformity B.U., Managing Director



This document is not valid without its technical annex, whose number coincides with the number of certificate.

Rules & Formulas Related to Fans

Airflow (Q)

Volume of air to be exhausted or introduced in a place in a period of given time. It is usually expressed in m³/h or m³/s.

In Italy to calculate the airflow there are some different ways:

1) According to the volume of the place and the number of the required air exchanges per hour in relation with the use in the room:

INDUSTRIAL ENVIRONMENT EXCHANGES / h	
Harmful environments	30 - 60
Stock House	3 - 6
Foundry	20 - 30
Industrial laundry	15 - 30
Machines room	20 - 30
Workshop (in general)	8 - 10
Workshop with ovens	30 - 60
Mechanization workshop	5 - 10
Painting workshop	30 - 60
Welding workshop	15 - 30
Dry-cleaners	20 - 30

COMMERCIAL ENVIRONMENT EXCHANGES / h	
Classroom	2 - 4
Bank	3 - 4
Café	10 - 12
Library	3 - 5
Cine-theatre	10 - 15
Industrial Kitchen	15 - 30
Cafeterias	5 - 10
Recording Studio	10 - 12
Garage	6 - 8
Gym	6 - 12
Hospital	4-6
Public toilet	8 - 15
Laundry	15 - 30
Offices	4 - 8
Bakery	20 - 30
Restaurant	5 - 10
Ballroom	6 - 8
Conference rooms	8 - 12
Hairdresser	10 - 15
Meeting rooms	4 - 8

These values are indicative and they never have to replace the normative figures and they can be modify according to special requirements.

2) According to the quantity of people habitually present in the place and their activities:

20 -40 m³/h per person in case of normal activity.
108 m³/h per person in case that smoke is allowed.
45 m³/h per person in case of light physical activity.
60 m³/h per person in workshops and other rooms.

3) According to the air velocities required for the capture of particles or the velocity of transport of the same in the ducts.

VELOCITY OF CAPTATION	m/s
Kitchen hoods:	
- domestic application	0,2 to 0,3
- commercial application	0,2 to 0,5
Evaporation vats:	0,25 to 0,5
Degreasing:	0,25 to 0,5
Welding, pickling	0,50 to 2
Galvanization	0,50 to 1
Painting booth	0,40 to 1
Grinding , rectification	2,50 to 10

VELOCITY OF TRANSPORT	m/s
Dust:	10
Flour:	15
Sawdust:	15
Thin metallic dust:	15
Wooden shavings:	18
Metallic shavings:	20 to 25

To calculate the airflow multiply this speed (v) for the air crossing section (S):
 $Q \text{ (m}^3/\text{h)} = v \text{ (m/s)} \times S \text{ (m}^2) \times 3600$

4) In function of the quantity of exceeding heat to be removed:

In general for the refreshing of environments the airflow to be exhaust is given by the following formula:

$$Q \text{ (m}^3/\text{h)} = \frac{\text{Number kcal/h (}^*)}{0,3 (T_a - T_e)}$$

Where 1000 watt = 1 kW = 860 kcal

T_a = Ambient temperature (°C)

T_e = External temperature (°C)

(*) = Quantity of heat to be removed (see table 1)

Table 1 Efficiency electrical machines

Efficiency	Heat dispersion
Electric Motors 70-95%	5 to 30%
Transformers 90-95%	5 to 10%
Rectifiers 80-97%	3 to 20%
Alternators 87-98%	2 to 23%

Fan laws

The characteristic curves of fans respond to certain laws, denominated "fan laws", that allow to determine the variation of airflow (Q), pressure (H) and the absorbed power by the impeller (N), in presence of the variation of the working conditions, RPM (n) or density of the handled air (y) or dimensions (Diameter of the impeller D).

Variation of RPM for the same fan at constant density:

$$Q_2 = Q_1 \times \left(\frac{n_2}{n_1} \right)$$

$$H_2 = H_1 \times \left(\frac{n_2}{n_1} \right)^2$$

$$N_2 = N_1 \times \left(\frac{n_2}{n_1} \right)^3$$

Variation of fan diameters (similar) at constant speed:

$$Q_2 = Q_1 \times \left(\frac{D_2}{D_1} \right)^3$$

$$H_2 = H_1 \times \left(\frac{D_2}{D_1} \right)^2$$

$$N_2 = N_1 \times \left(\frac{D_2}{D_1} \right)^5$$

Variation of density at constant RPM:

$$H_2 = H_1 \times \left(\frac{y_2}{y_1} \right)$$

$$N_2 = N_1 \times \left(\frac{y_2}{y_1} \right)$$

Other formulas:

H_{st} = H_t - H_d

H_{st}= Static pressure

H_t= Total pressure

H_d= Dynamic pressure

$$H_d \text{ (mmH}_2\text{O)} = \frac{\left(\frac{Q \text{ (m}^3/\text{h)}}{S \text{ (m}^2) \times 3600} \right)^2}{16,08}$$

$$N \text{ (kW)} = \frac{Q \text{ (m}^3/\text{h)} \times H_t \text{ (mmH}_2\text{O)}}{102 \times 3600 \times \eta}$$

η= efficiency

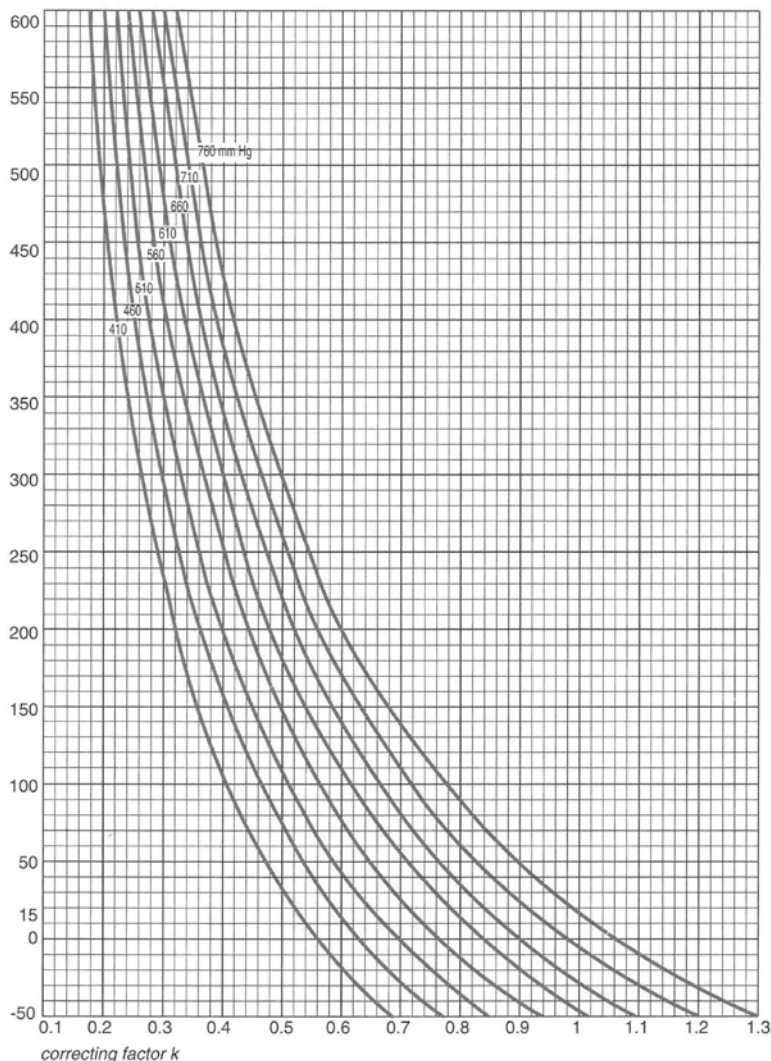
$$\text{m}^3/\text{h} = N \text{ m}^3/\text{h} \times \left(\frac{273+t}{273} \times \frac{760}{P_b} \right)$$

P_b = Barometric pressure

Nm³/h = Normal cubic meters

$$n \text{ (RPM)} = 120 \times \text{frequency (Hz)} \times \text{number of poles motor}$$

Units of Measure



K correcting factor to define the air density in conditions differing from those of reference (15°C, 760mm Hg = Sea level).

Altitude mt.	Barometric press mm Hg
0	760
500	716
1000	674
1500	635
2000	597
2500	561
3000	526
3500	494
4000	463
4500	433

According to the variation of the temperature and altitude vary:

- specific weight of the air
- pressure of the fan
- impeller absorbed power

Multiply the K factor found in the present graph to define the real working conditions.

Airflow units

Symbol of the unit	m ³ /s	m ³ /min	m ³ /h	l/s	ft ³ /s cu.ft/s	ft ³ /s cu.ft/min
1 m ³ /s	1	60	3600	1000	35.31	2118.8
1 m ³ /min	0.01667	1	60	16.667	0.5885	35.31
1 m ³ /h	2.778x10 ⁻⁴	0.01667	1	0.2778	9.808x10 ⁻³	0.5885
1 l/s = 1 dm ³ /s	0.001	0.05999	3.6	1	3.531x10 ⁻⁴	2.1188
1 cu.ft/s (cfs)	2.832x10 ⁻²	1.6992	102	28.3179	1	60
1 cu.ft/min (cfm)	4.179x10 ⁻⁴	2.832x10 ⁻²	1.70	0.47197	1.667x10 ⁻²	1

pressure units

Symbol of the unit	Pa =N/m ²	bar	mbar	kp/m ² =mm H ₂ O	atm	Torr mm Hg
1 Pa = N/m ²	1	0.00001	0.01	0.10197	-	0.0075
1 bar	100000	1	1000	10197.2	0.98692	750.062
1 m bar	100	0.001	1	10.197	0.000987	0.750
kp/m ² m=mm H ₂ O	9.80665	-	0.09807	1	-	0.07356
1 atm	101325	1.01325	1013.25	10332.3	1	760
1 Torr = mmHg	133.322	0.00133	1.3332	13.5951	0.00132	1



ATEX EXPLOSIVE ATMOSPHERES

All EUROVENTUS fans and extractors for explosive atmospheres comply with the requirements of the European Directive 94/9/EC and have been designed to comply with the EN-14986 Standard "Fan design for working in potentially explosive atmospheres". Product quality is thus guaranteed, and maximum safety levels are ensured for people and facilities.

CERTIFICATES ATEX EXPLOSIVE ATMOSPHERES



EAC



Fan Design:

In compliance with the EN-14986 standard, and to prevent ignition in the event of friction or impact between the mobile and static parts, they are manufactured using materials that can be paired, in order to prevent any possible sparks.

Centrifugal fans:

To prevent sparks generated by the turbine:

- . Copper inlet
- . Protective caps to protect screwed/riveted joints
- . Distances between components are checked

Axial fans:

- To prevent sparks generated by the impeller:

- . Copper or aluminium coating on the inner face of the ring
- . Distances between components are checked

In compliance with regulations, all the parts of the fan that are not soldered together and are fixed mechanically using other systems, or are different parts that are coated with paint that may insulate the conductivity, are connected together by earthed wires, in order to prevent any differences in potential between these parts that are not soldered or painted.

Since its founding, EUROVENTUS has specialised in the design and manufacture of fans and accessories for industrial applications.

The combination of our experience - acquired over decades of working with fans - and the technological contributions of our engineers from different departments has made it possible for EUROVENTUS to become one of the largest manufacturers of industrial ventilation in the world.

Industrial applications demand the ability to adapt to the specifications of each project as well as manufacturing flexibility so as to satisfy the real needs of each client.

In order to meet this objective, EUROVENTUS produces a range of Standard products and a range of specially manufactured products in order to build fans that adapt to the demands of our clients.

For the various projects we can use motors that comply with the market's most demanding regulations:

NEMA super premium efficiency

NEMA premium efficiency

NEMA high efficiency

U.L. motors

C.S.A. motors

Extractors for **ATEX EXPLOSIVE ATMOSPHERES**

An ATEX zone has a mixture of air with flammable **gas, vapour, mist** and/or **powder**, which if it caught fire would all burn immediately.



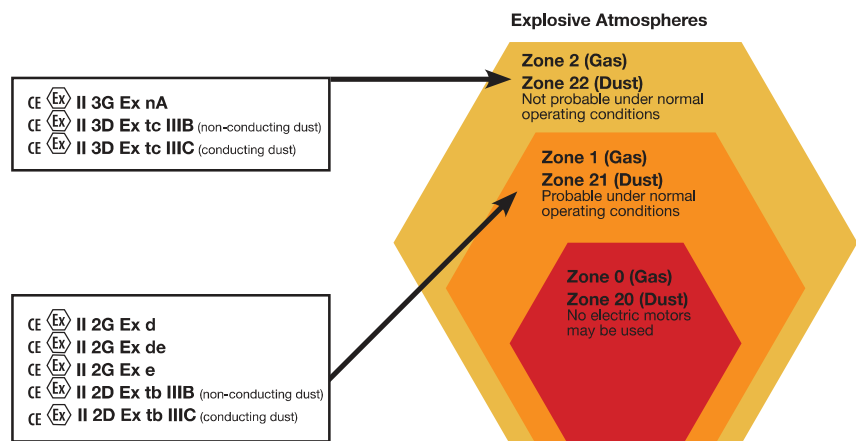
Flame and explosion limits for gases:

LEL	Lower Explosive Limit » % volume.
UEL	Upper Explosive Limit » % volume.
MIE	Minimum ignition energy » 10-6 µ Joules
Flash Point	Lowest temperature at which vapours of a fluid will ignite
Autoignition Temperature	Temperature at which a gas spontaneously ignites
Temperature	(T1, T2, T3, T4, T5 and T6)

Flammability of solids:

LEL or MEC	Minimum Explosible Concentration (MEC) » g/m ³
LOC	Limiting Oxygen Concentration (LOC) » % volume
MIE	Minimum Ignition Energy » 10-3 µ Joules
MIT	Minimum Ignition Temperature in °C: - In a cloud MIT n (dust cloud in contact with a hot surface). - In a layer MIT c ignition of a 5 mm-thick layer. - (T limit is the lower of: 2/3 of MIT n or MIT c -75°C)

Summary of Zone Definitions



Zone Definitions:

Gases and vapours/Dust:

- **Zone 0/Zone 20:**
Continuously present, present for long periods or frequently.
No electric motors may be used.
- **Zone 1/Zone 21:**
Probable under normal operating conditions
- **Zone 2/Zone 22:**
An ATEX zone is not likely to occur under normal operating conditions

Equipment Groups and Categories:

GROUP I: equipment for use in underground parts of mines or in surface installations endangered by firedamp and/or combustible dust.

- Category M1: required to remain functional
- Category M2: must be able to be de-energised

GROUP II: Other danger zones

- Category 1: very high level of protection. Zone where ATEX is highly likely.
- Category 2: high level of protection. Zone where ATEX is likely.
- Category 3: normal level of protection. Zone where ATEX is unlikely.

Selecting the category on the basis of the zone:

ZONE	CATEGORY
0 or 20	1
1 or 21	1 or 2
2 or 22	1, 2 or 3

Selecting the zone on the basis of the category:

CATEGORY	ZONE
1	All
2	1, 21, 2 or 22
3	2 or 22

Explosion Group and Temperature Class

Explosion Group	Temperature Class						
	T1		T2	T3	T4	T5	T6
II A	Acetone	Carbon monoxide	Amyl-i acetate	Petrol	Acetaldehyde		
	Ethane	Methane	Butane	Otto fuels			
	Ethylic acetate	Methanol	N-butyl alcohol	Aviation fuel			
	Ethyl chloride	Methyl chloride	Cyclohexane	Fuel oils			
	Ammoniac	Propane	Dichloroethane 1, 2	Hexane			
	Benzene	Town gas	Acetic anhydride				
	Acetic acid	Toluene					
II B			Ethylic alcohol	Hydrogen sulphide	Ethylic ether		
			Ethylene				
			Ethylene monoxide				
II C	Hydrogen		Acetylene				Carbon disulphide

Temperature Class and Ignition Temperature:

Temperature Class	Ignition Temperature
T1	>450°C
T2	>300°C
T3	>200°C
T4	>135°C
T5	>100°C
T6	>85°C

Flammable Solids - Explosion-related Values

Product	K _{max}	P _{max}	MIE	LOC	MIT _n	MIT _c
Corn flour	127	6.7	300	--	530	460
Rice flour	40	6.7	>10	--	370	480
Wheat flour	47	8.2	>300	11%	460	470
Malt flour	100	7.8	>10	11%	310	460
Corn starch	143	10.6	>100	9%	440	400
Rice starch	220	10.0	>10	--	470	390
Potato starch	89	9.4	>3000	--	520	570

ATEX Markings

Motor markings showing ATEX Directive compliance

CE	0081	Ex	II	2	G/D
Marking CE	Identification of certifying body (e.g. LCIE)	Marking CE for Ex products	Electrical Equipment Group	Equipment Category (2 or 3)	Gas or Dust

EN Markings

Motor markings showing additional standard compliance

Ex	d	II	C	T4	Gb
Explosion proof device	Type of protection	Groups (all except mining)	Groups depending on Gas (only necessary for flameproof)	Temperature Class	Explosion Protection Level



Flammable Gases - Explosion-related Values

	Gas Group	%vol LEL	g/mol M		Gas Group	%vol LEL	g/mol M
methane	I	5.0	16.04	chloroethane	IIA	3.6	64.51
amyl acetate	IIA	1.1	130.19	chloroethane	IIIA	5.0	106.97
butyl acetate	IIA	1.2	116.16	chloroethylene(vinyl chloride)	IIA	3.8	62.50
ethyl acetate	IIA	2.1	88.11	chloromethane	IIA	7.6	50.49
methyl acetate	IIA	3.1	74.08	chloropropane	IIA	2.6	78.54
propyl acetate	IIA	1.7	102.13	acetyl chloride	IIA	5.0	78.50
acetone	IIA	2.2	55.06	allyl chloride	IIA	3.3	76.53
acetonitrile	IIA	3.0	41.05	cresol	IIIA	1.0	108.14
acetic acid	IIA	4.0	60.05	decahydronaphthalene (decalin)	IIA	0.7	138.25
acetic aldehyde	IIA	4.0	44.05	decane	IIA	0.81	42.28
ammoniac	IIA	15.0	17.03	diacetone alcohol	IIIA	1.8	116.16
aniline	IIA	1.2	107.13	dichloroethane	IIA	5.6	98.96
benzene	IIA	1.2	78.11	dichloroethylene	IIA	6.5	96.94
bromobutane	IIA	2.6	137.02	dichloropropane	IIA	3.4	112.99
bromoethane	IIA	6.7	108.97	diethylamine	IIA	1.7	73.14
butane	IIA	1.5	58.12	dimethylamine	IIA	2.8	45.08
butane	IIIA	1.4	74.12	dimethylamine	IIA	1.2	121.18
butyl methyl ketone	IIA	1.2	100.16	dipropyl ether	IIA		102.18
butylamine	IIA	1.7	73.14	styrene	IIA	1.1	104.15
cyclobutane	IIA	1.8	56.11	ethane	IIA	3.0	30.07
cyclohexane	IIA	1.2	84.16	ethane	IIIA	3.3	46.07
cyclohexane	IIIA	1.2	100.16	ethyl methyl ketone	IIA	1.8	72.11
cyclohexanone	IIA	1.3	98.14	ethyl benzene	IIA	1.0	106.17
cyclopentane	IIA	1.1	70.13	ethyl mercaptane	IIA	2.8	62.13
chlorobenzene	IIA	1.1	112.56	phenol	IIIA	1.3	94.11
chlorobutane	IIA	1.8	92.57	ethyl formate	IIA	2.7	74.08
methyl formate	IIA	5	60.05	trimethylamine	IIA	2.0	59.11
petrol		0.7	73.95	xylene	IIA	1.0	106.17
heptane	IIA	1.1	100.20	1,2-epoxypropane (propylene oxide)	IIB	1.9	58.08
hexane	IIA	1.2	86.18	1,3,5-trioxane	IIB	3.6	90.08
hexane	IIIA	1.2	102.18	1,3-butadiene	IIB	1.4	54.09
kerosene	IIA	0.7	87.00	1,4-dioxane	IIB	1.9	88.11
methylamine	IIA	4.9	31.06	hydrocyanic acid	IIB	46.5	27.03
methyl cyclo hexane	IIA	1.1	98.19	ethyl acrylate	IIB	1.7	100.12
carbon monoxide	IIA	12.5	28.01	methyl acrylate	IIB	2.4	86.09
naphthalene	IIA	0.9	128.17	acrylonitrile	IIB	2.8	53.06
nitroethane	IIA	4.0	75.07	tetrahydrofurfuryl alcohol	IIB	1.5	102.13
nitromethane	IIA	7.1	61.04	cyclopropane	IIB	2.4	42.08
nonane	IIA	0.7	128.26	dibutyl ether	IIB	0.9	130.23
nonane	IIIA	8.0	144.26	diethyl ether	IIB	1.9	74.12
octane	IIA	6.0	114.23	ethyl methyl ether	IIB	2.0	60.10
pentane	IIA	1.4	72.15	ethylene	IIB	2.7	28.05
pentane	IIIA	1.2	88.15	furan	IIB	2.3	68.08
petroleum	IIA	1.0	87.00	coke oven gas	IIB	5.0	
pyridine	IIA	1.7	79.10	methylacetylene (propyne)	IIB	1.7	40.06
propane	IIA	2.0	44.10	isopropyl nitrate	IIB	2.0	105.09
propane	IIIA	2.1	60.10	ethylene oxide (epoxyethane)	IIB	2.6	44.05
propene (propylene)	IIA	2.0	42.08	tetrahydrofuran	IIB	1.5	72.11
propylamine	IIA	2.0	59.11	acetylene	IIC	1.5	26.04
toluene	IIA	1.2	92.14	carbon disulphide	IIC	1.0	76.13
triethylamine	IIA	1.2	53.15	hydrogen	IIC	4.0	2.02



Our Catalogues



VRF Indoor Unit



VRF Outdoor Unit



Filters & Cleanrooms



Air Curtain



Germany

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