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: -25ºC.+ 50ºC

Finish:
- Anticorrosive finish in polyester resin, polymerised at 190ºC, 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) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
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) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
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) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
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)	(m^3/h)	(mmH_2O)	(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	ηe[%]	N	(kW)	(m^3/h)	(mmH_2O)	(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)	(m^3/h)	(mmH_2O)	(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

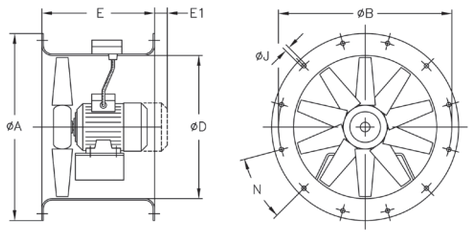
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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	86	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

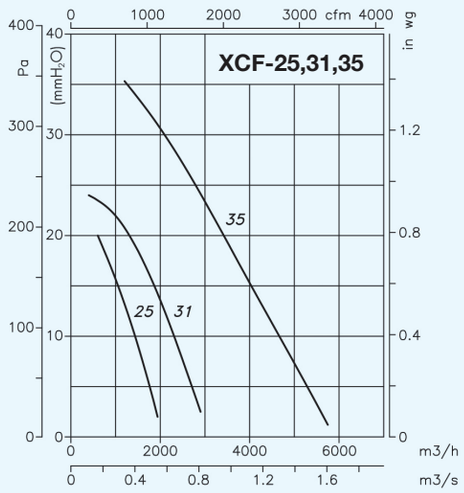


Model	ØA	ØB	ØD	E	E1	ØJ	N
XCF-25	310	280	240	230	10	10	4x90°
XCF-31	350	320	280	270	-	10	4x90°
XCF-35	425	395	355	280	-	10	8x45°
XCF-40	490	450	410	320	-	12	8x45°
XCF-45	540	500	460	360	-	12	8x45°
XCF-50	600	560	514	360	-	12	12x30°
XCF-56	660	620	560	400	-	12	12x30°
XCF-63	730	690	640	430	-	12	12x30°
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’

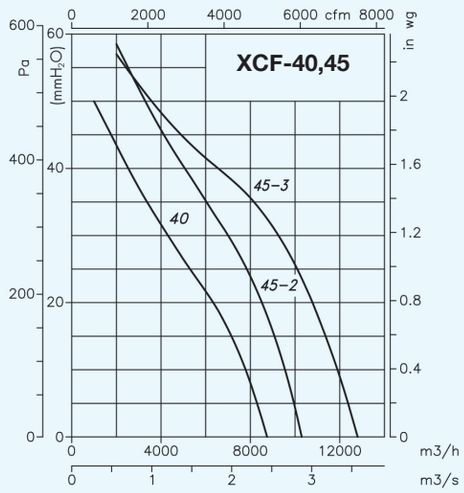
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mmH_2O, Pa and inwg.

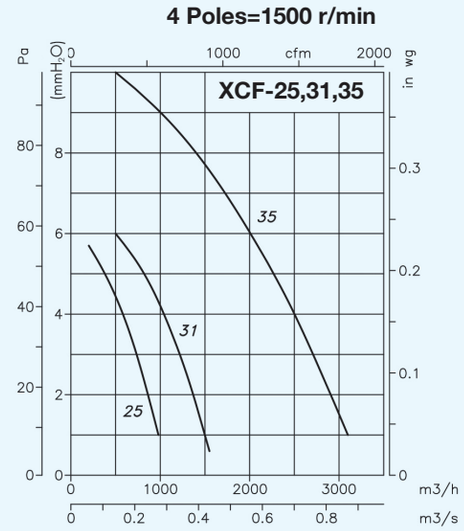
2 Poles=3000 r/min



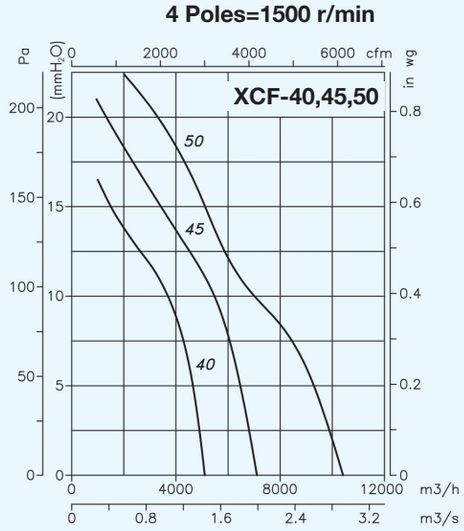
2 Poles=3000 r/min



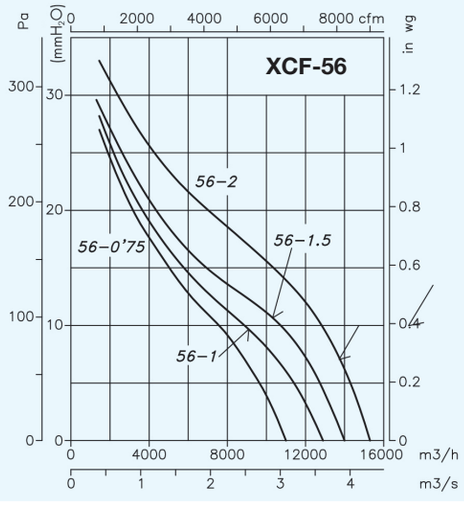
4 Poles=1500 r/min



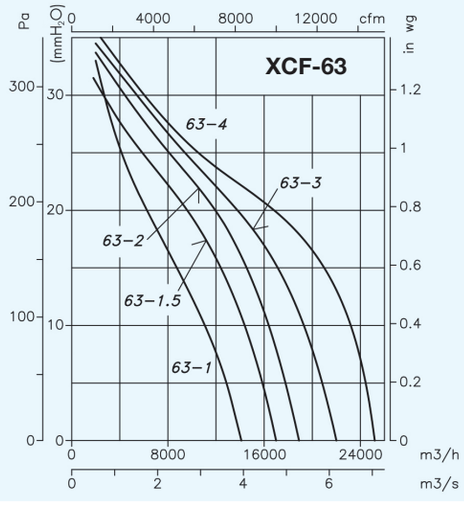
4 Poles=1500 r/min



4 Poles=1500 r/min



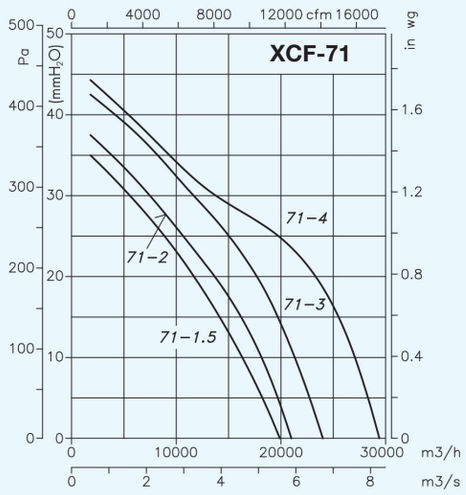
4 Poles=1500 r/min



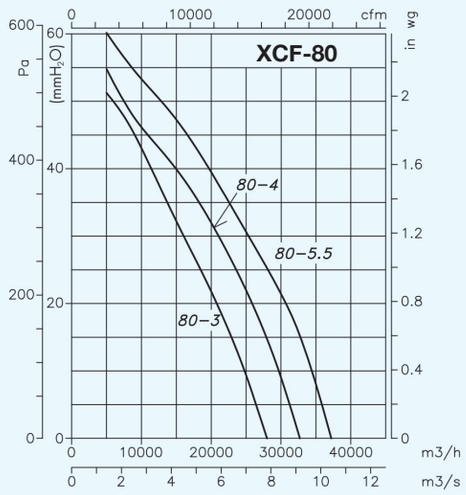
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mmH_2O, Pa and inwg.

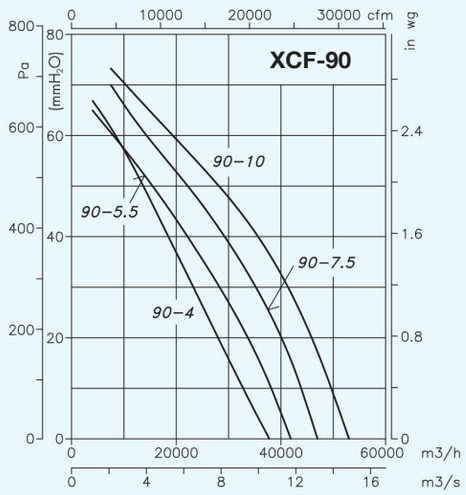
4 Poles=1500 r/min



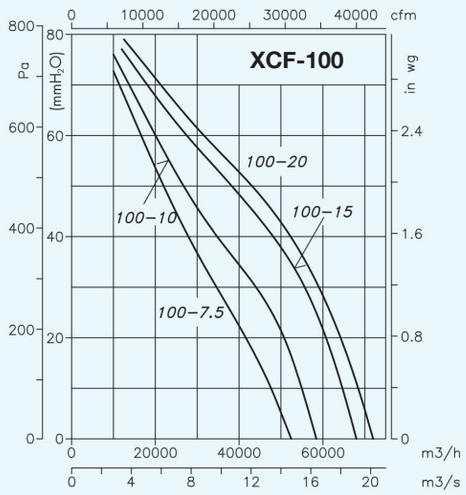
4 Poles=1500 r/min



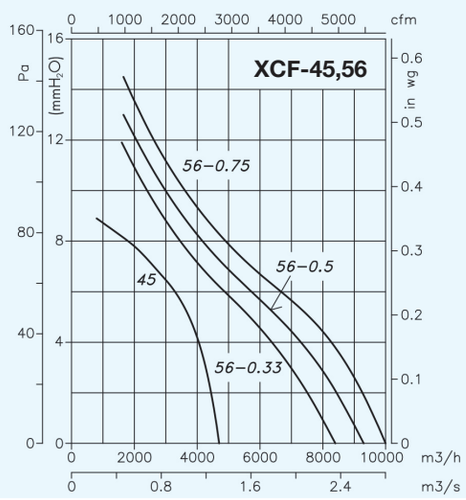
4 Poles=1500 r/min



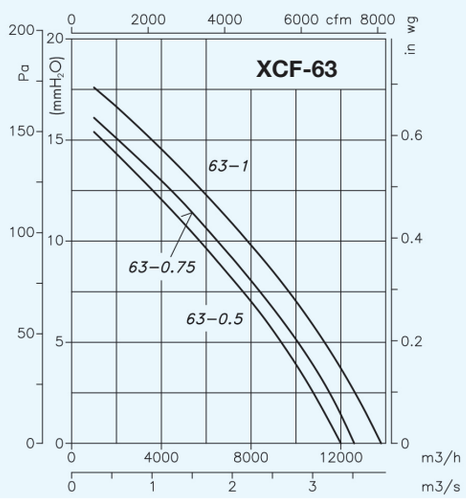
4 Poles=1500 r/min



6 Poles=1000 r/min



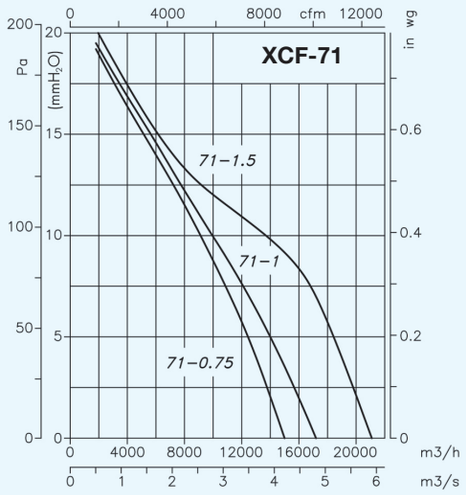
6 Poles=1000 r/min



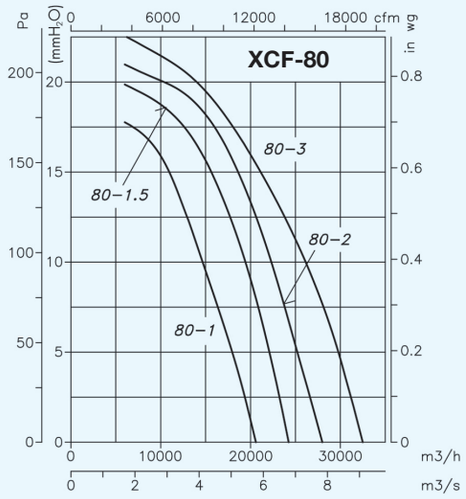
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mmH_2O, Pa and inwg.

6 Poles=1000 r/min



6 Poles=1000 r/min



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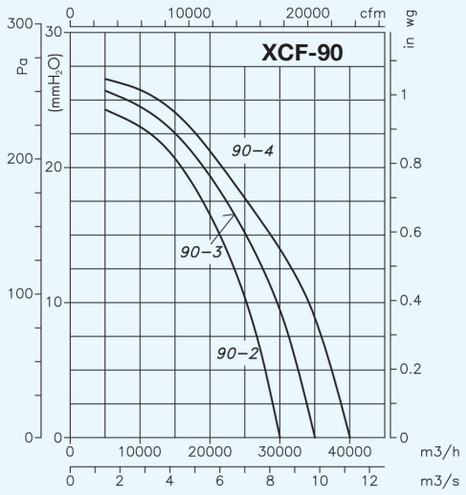
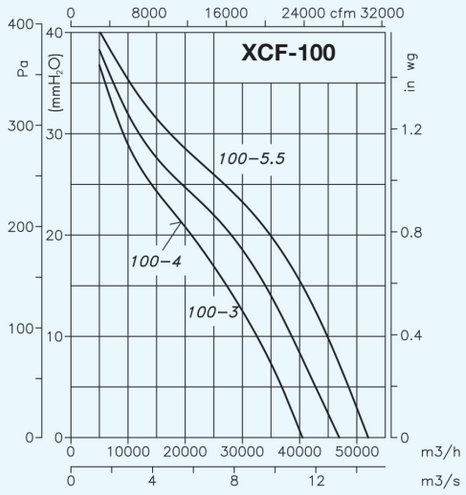
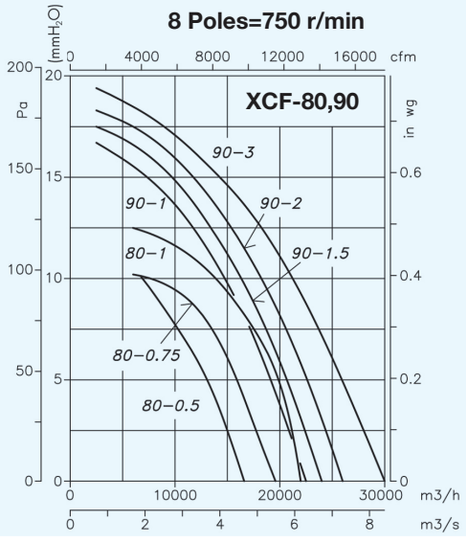


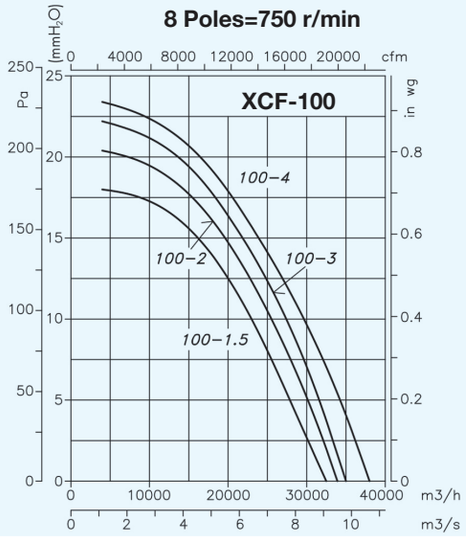
6 Poles=1000 r/min



8 Poles=750 r/min



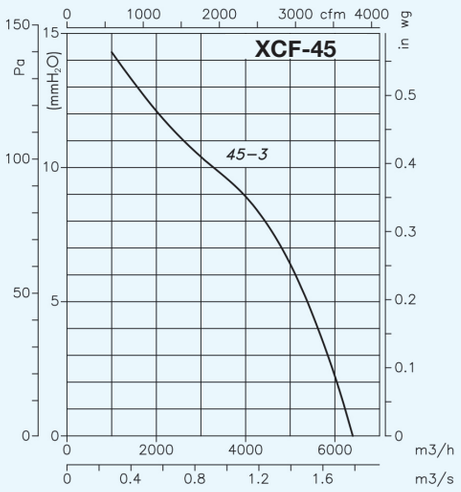
8 Poles=750 r/min



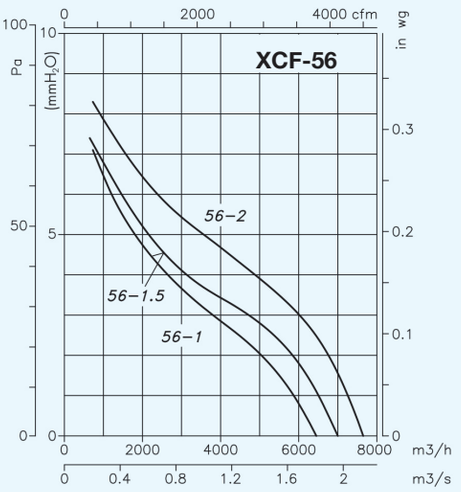
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mmH_2O, Pa and inwg.

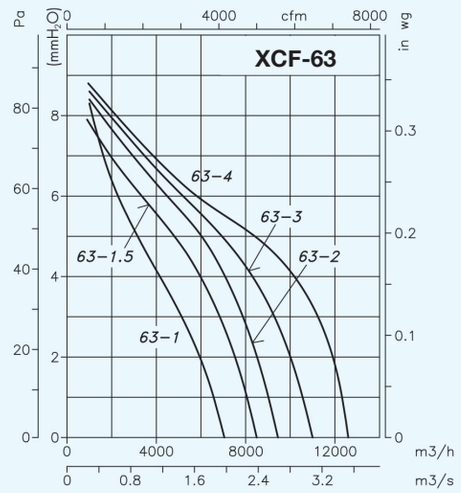
4 Poles (2-speed motor)=2/4 Poles



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



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



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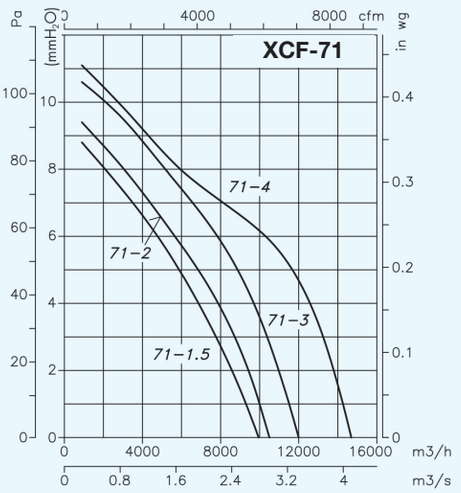
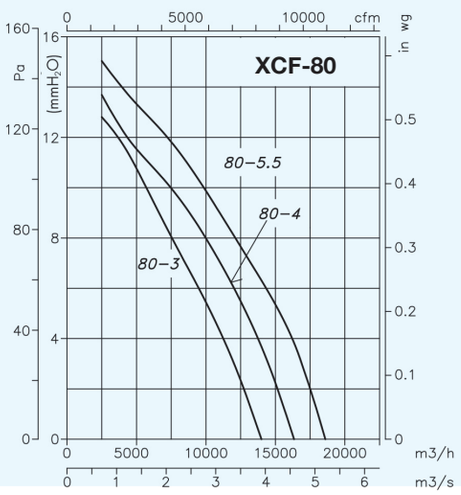


8 Poles (2-speed motor)=4/8 Poles



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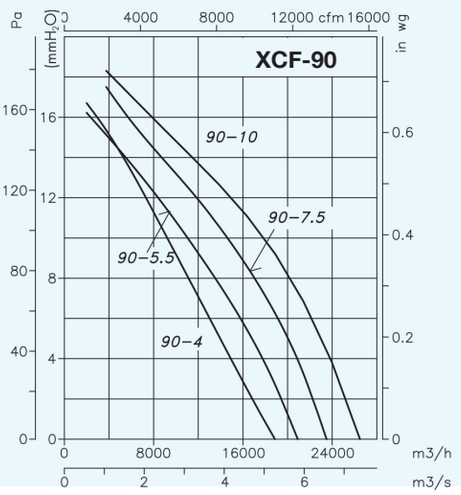
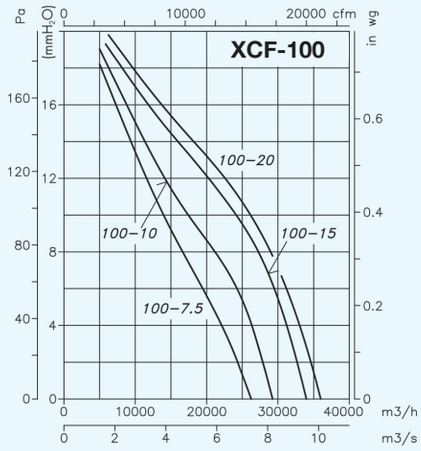


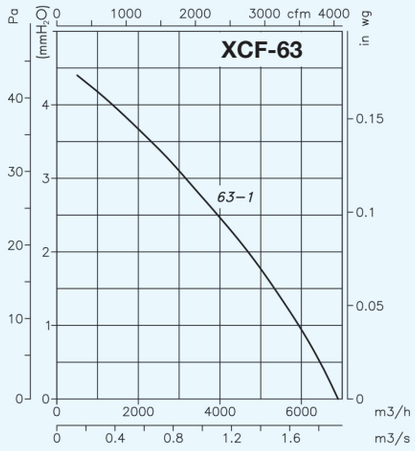
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mmH_2O, Pa and inwg.

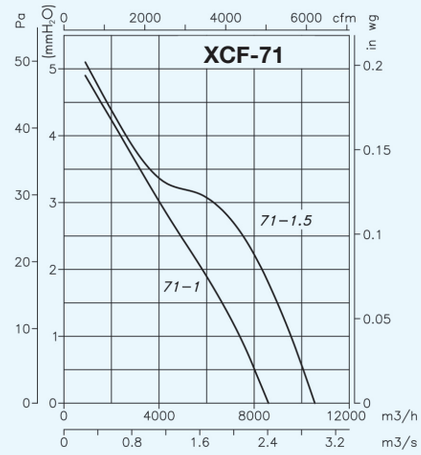
8 Poles (2-speed motor)=4/8 Poles



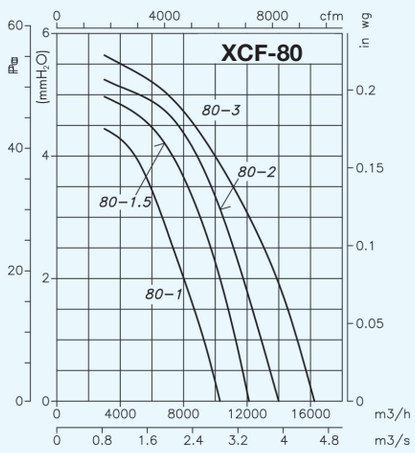
12 Poles (2-speed motor)=6/12 Poles



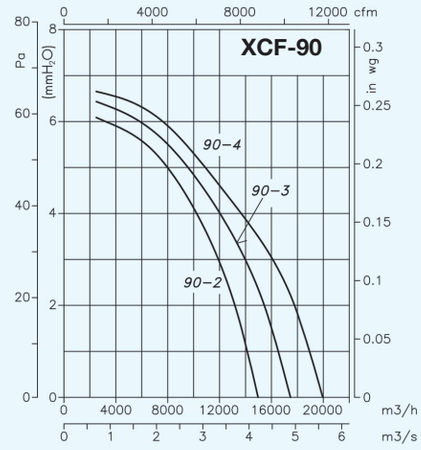
12 Poles (2-speed motor)=6/12 Poles



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



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



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