

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

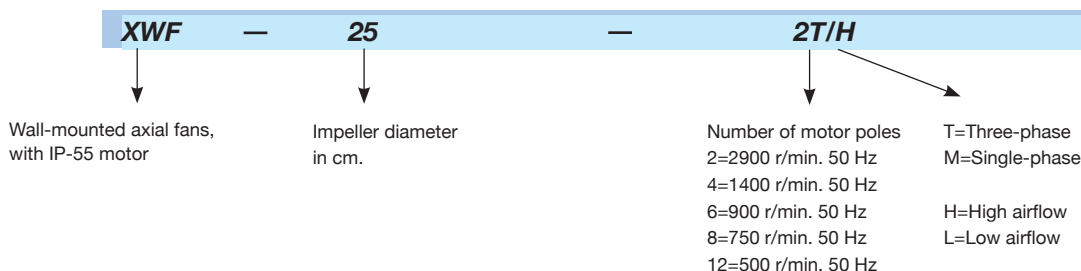
Finish:

- 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

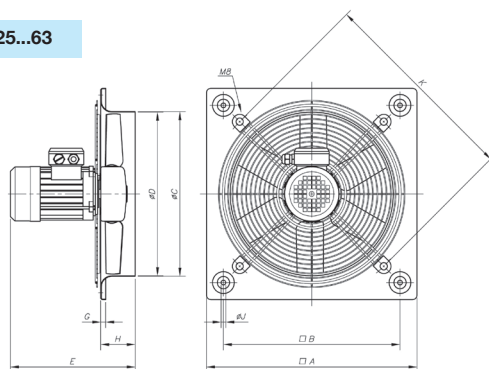
Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
XWF-31-4M/H	1380	1.03			0.10	2400	54	6
XWF-31-4T/L	1320	0.65	0.38		0.08	1800	52	6
XWF-31-4M/L	1380	0.65			0.10	1750	52	6
XWF-35-2T/H	2710	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		3.00/0.60	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

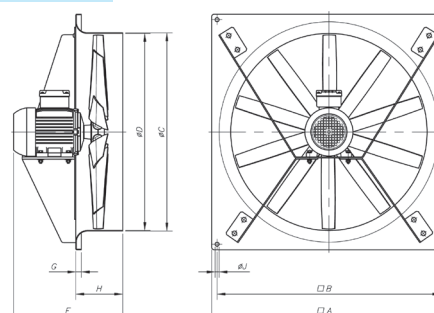
Model	MC	EC	VSD	SR	η_e [%]	N	(kW)	(m³/h)	mmH ₂ O	(RPM)
XWF-25-4T/H	-	-	-	-	-	-	0.099	707	5.15	1407
XWF-25-4M/H	-	-	-	-	-	-	0.102	693	5.24	1432
XWF-31-2T/H	A	S	NO	1.00	28.7%	38.5	0.284	1781	16.86	2743
XWF-31-2M/H	A	S	NO	1.00	27.9%	37.5	0.296	1764	17.16	2783
XWF-31-4T/H	-	-	-	-	-	-	0.110	1392	6.66	1397
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



XWF 71...100



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

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.

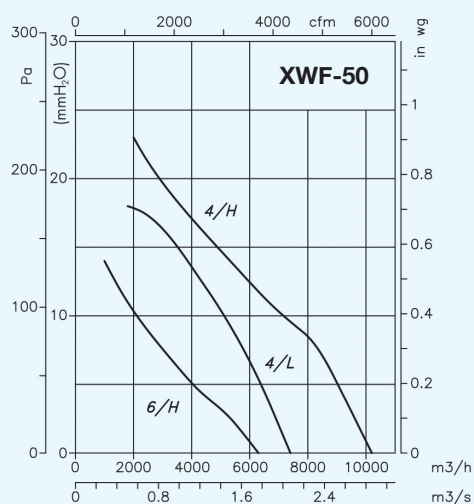
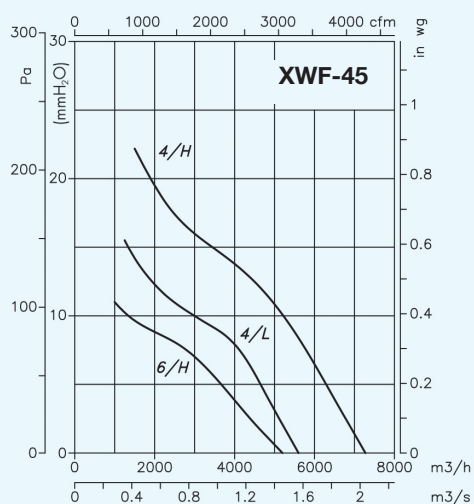
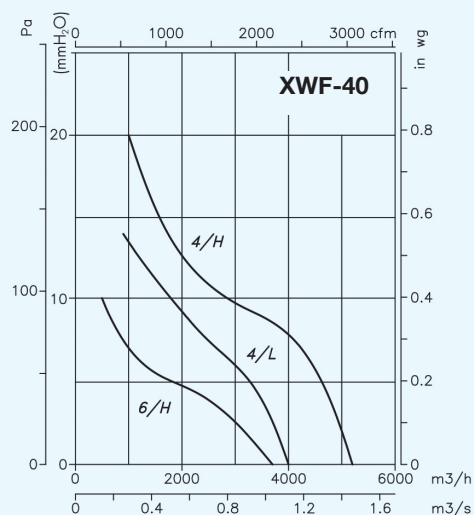
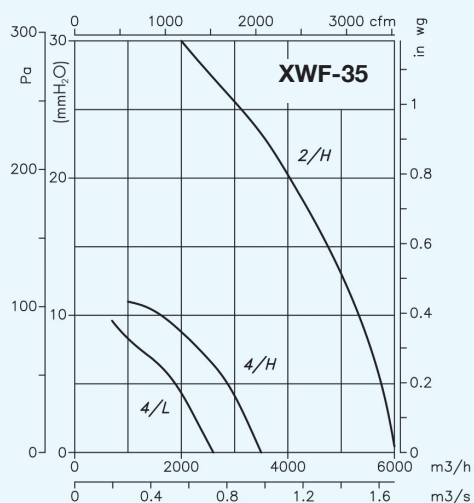
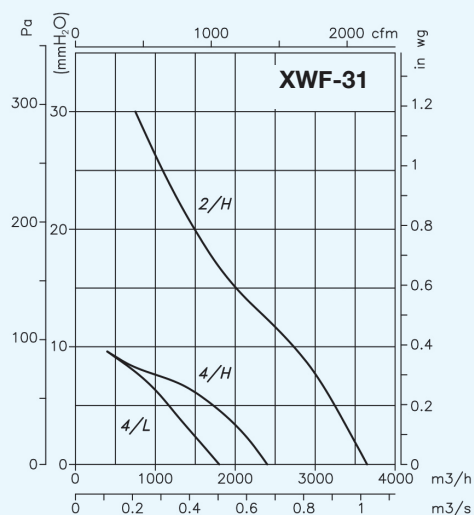
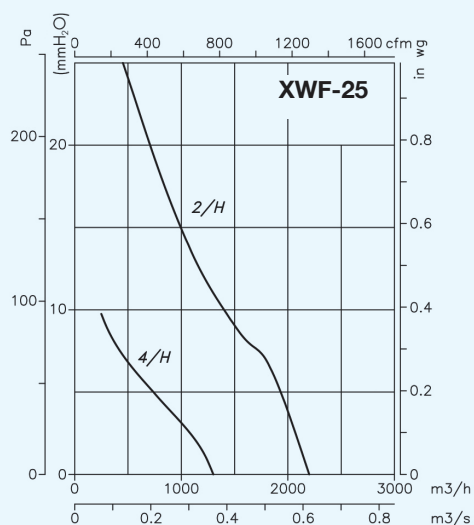
Model	63	125	250	500	1000	2000	4000	8000
XWF-25-2/H	38	48	65	65	73	69	62	53
XWF-25-4/H	25	35	52	52	60	56	49	40
XWF-31-2/H	46	56	73	73	81	77	70	61
XWF-31-4/H	28	38	55	55	63	59	52	43
XWF-31-4/L	26	36	53	53	61	57	50	41
XWF-35-2/H	50	60	77	77	85	81	74	65
XWF-35-4/H	32	42	59	59	67	63	56	47
XWF-35-4/L	30	40	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	84	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.



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