

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

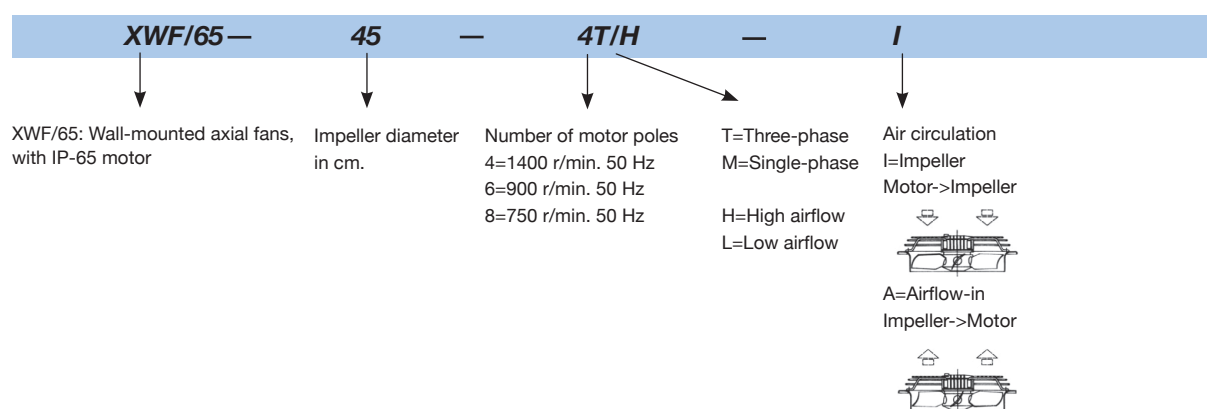
Finish:

- 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

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		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)	(mmH ₂ O)	(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 Lw(A) spectrum in dB(A) via frequency band in Hz.

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

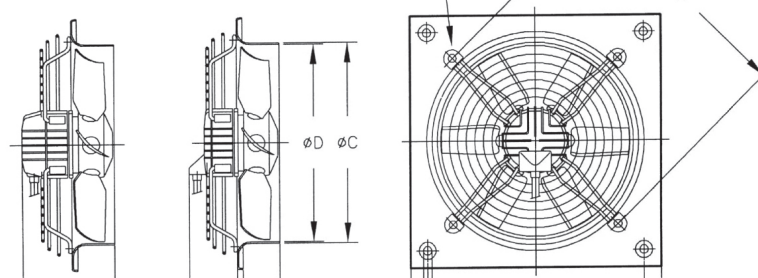
Model	63	125	250	500	1000	2000	4000	8000
XWF/65-45-6/H	33	47	59	62	64	65	61	52
XWF/65-50-4/H	46	60	72	75	77	78	74	65
XWF/65-50-4/L	44	58	70	73	75	76	72	63
XWF/65-50-6/H	36	50	62	65	67	68	64	55
XWF/65-56-4/H	49	63	75	78	80	81	77	68
XWF/65-56-4/L	47	61	73	76	78	79	75	66
XWF/65-56-6/H	39	53	65	68	70	71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

Dimensions in mm

XWF/65

Standard version with connection box

Version on request without connection box

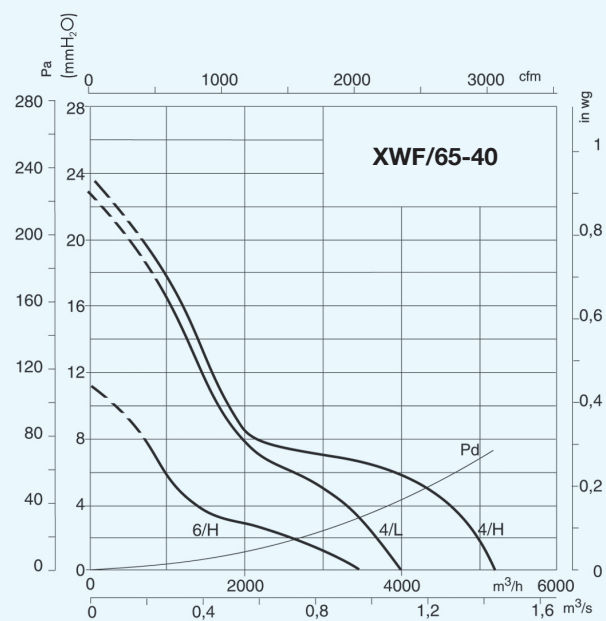
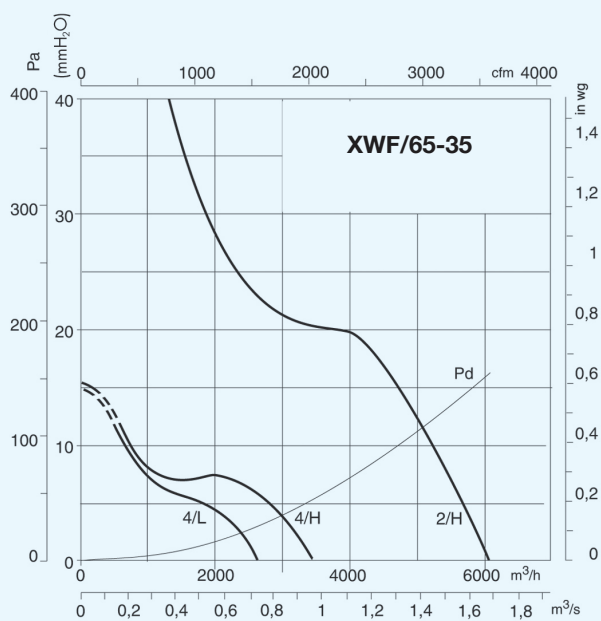
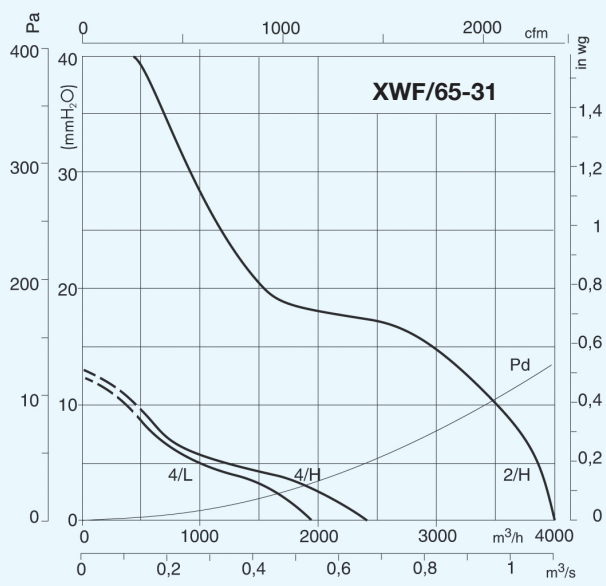
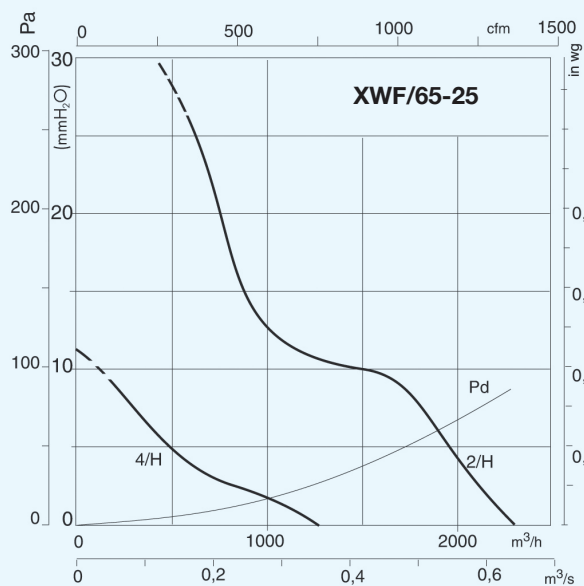


Model	$\square A$	$\square B$	ϕC	ϕD	E				F				G	H	ϕJ	K	L
					2T	4T	6T	8T	2T	4T	6T	8T					
XWF/65-25	330	275	262	260	189	179	-	-	213	203	-	-	11	56	8.5	310	M.8
XWF/65-31.../H400	336	310.5	308	190	180	-	-	-	214	204	-	-	11	75	10.5	380	M.8
XWF/65-31.../L 400	336	310.5	308	-	180	-	-	-	-	204	-	-	11	75	10.5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



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