



Fan 3450 C 400-415V 50Hz

34301104

Fan 3450 M 400-415V 50Hz

34324104

Fan 3450 G 400-415V 50Hz

34325154

Images

34301104



34324104



34325154

Technical data

Voltage:	400 – 415	[Δ V ac] +/-10%
Phase:	3	
Frequency:	50	[Hz]
Max. current:	0,73	[A]
Current (at 50 Pa and 50Hz):	0,72	[A]
Input power (at 50 Pa and 50Hz):	414	[W]
Shaft power (at 50 Pa and 50Hz):	290	[W]
Max. input power:	421	[W]
Max. air volume:	8240	[m ³ /h]
Max. pressure:	105	[pa]
Max. rotations:	1305	[RPM]
Poles:	4	
Cos phi:	0,84	
Controllable:	F	Frequency
Insulation class:	F	
Protection class:	IP 66	
Sound production (calculated):	66 (55)	[dB(A)]
Impeller:	496 / 6 / 42,5 / 14	D / n / ° / shaft diameter
Weight 34301104 (excl. pack.):	13,5 / 29,7	[Kg] / [lbs]
Weight 34324104 (excl. pack.):	15 / 33	[Kg] / [lbs]
Weight 34325154 (excl. pack.):	16,2 / 35,7	[Kg] / [lbs]

- Air density 1,2 kg/m³, 1 Pa (Pascal) = 1N/m² ~ 0,102 mm wk. (20°C).
- Sound production is calculated at 0 Pa and at a distance of 2 meter (the value between brackets is calculated at a distance of 7 meter).
- Measurement without protection grid.
- According to AMCA 210 / ISO 5801.
- Images may differ slightly from reality.

**Conformity****CE ErP 2015****Data according to ErP directive**

Overall efficiency:	35,9 [%]
Measurement category:	C
Efficiency category:	Static
Efficiency grade (N) at optimum energy efficiency	44,6
Variable speed drive VSD:	No
Year of manufacture:	See typelabel
Commercial registration number:	Fancom B.V. 12015669 Panningen (NL)
Model number:	3450 50Hz
Input power at optimum energy efficiency point:	421 [W]
Air volume at optimum energy efficiency point:	5240 [m ³ /h]
Pressure at optimum energy efficiency point:	105 [pa]
Rotations at optimum energy efficiency point:	1305 [RPM]
Compressibility factor:	0,9883
Information on dismantling, recycling and disposal:	Observe the manual of this product
Information about environment and optimal live:	Observe the manual of this product
Description of additional items used when determining the fan energy efficiency:	No special items have been used

Ambient climate

Operating temperature range:	0°C to +40°C (32°F to +104°F)
Storage temperature range:	-10°C to +50°C (14°F to +122°F)
Relative humidity:	<95%, uncondensed

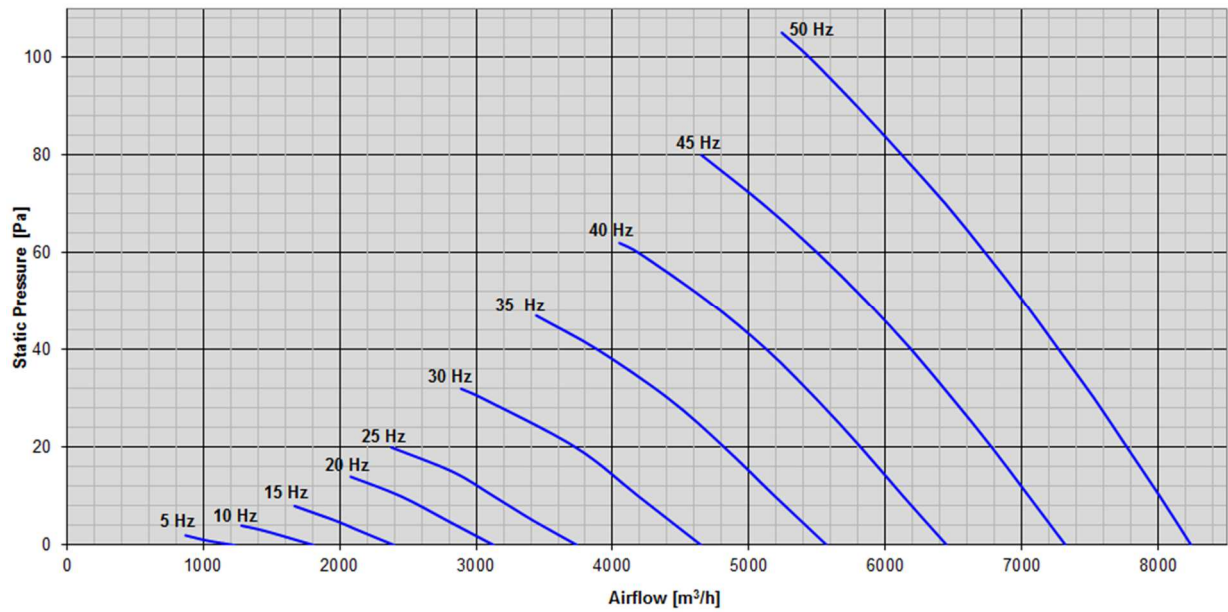


Specifications Fan 3450 50Hz

Frequentie Frequency	Druk Pressure	Debiet Airflow		Toerental Rotations	Vermogen Power	Stroom Current	Luchtsnel. Airspeed	Tot. Rendement Tot. Efficiency	Spec. Verm. Spec. Power
F	p	V	V	RPM	P	I	v	η_{tot}	P _{spec}
[Hz]	[Pa]	[m ³ /h]	[m ³ /s]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m ³ /h]
50	0	8240	2.29	1328	380	0.67	11.7	49.1	46.1
	10	8010	2.23	1322	390	0.69	11.3	49.7	48.7
	20	7770	2.16	1316	398	0.70	11.0	50.2	51.2
	30	7530	2.09	1312	404	0.71	10.7	50.8	53.7
	40	7270	2.02	1307	410	0.72	10.3	51.0	56.4
	50	7010	1.95	1304	414	0.72	9.9	51.3	59.1
	60	6730	1.87	1302	417	0.73	9.5	51.3	62.0
	70	6440	1.79	1300	419	0.73	9.1	51.1	65.1
	80	6120	1.70	1300	420	0.73	8.7	50.6	68.6
	90	5790	1.61	1302	421	0.73	8.2	49.8	72.7
	100	5440	1.51	1304	421	0.73	7.7	48.6	77.4
105	5240	1.46	1305	421	0.73	7.4	47.7	80.3	
45	0	7320	2.03	1178	276	0.60	10.4	47.4	37.7
	10	7050	1.96	1170	285	0.62	10.0	47.9	40.4
	20	6780	1.88	1163	293	0.63	9.6	48.3	43.2
	30	6490	1.80	1158	298	0.64	9.2	48.7	45.9
	40	6190	1.72	1153	302	0.65	8.8	49.0	48.8
	50	5860	1.63	1150	305	0.65	8.3	48.7	52.0
	60	5500	1.53	1148	307	0.66	7.8	47.9	55.8
	70	5100	1.42	1147	308	0.66	7.2	46.6	60.4
	80	4650	1.29	1147	308	0.66	6.6	44.4	66.2
40	0	6450	1.79	1035	197	0.53	9.1	45.4	30.5
	10	6130	1.70	1026	205	0.55	8.7	45.8	33.4
	20	5820	1.62	1018	210	0.56	8.2	46.7	36.1
	30	5490	1.53	1013	214	0.57	7.8	47.2	39.0
	40	5130	1.43	1010	216	0.58	7.3	47.2	42.1
	50	4700	1.31	1009	216	0.58	6.6	46.3	46.0
	60	4190	1.16	1010	216	0.58	5.9	43.7	51.6
	62	4050	1.13	1010	215	0.57	5.7	42.7	53.1
35	0	5570	1.55	890	135	0.47	7.9	42.7	24.2
	10	5190	1.44	878	141	0.48	7.3	43.3	27.2
	20	4820	1.34	870	145	0.50	6.8	44.2	30.1
	30	4410	1.23	866	147	0.50	6.2	44.5	33.3
	40	3890	1.08	865	147	0.50	5.5	42.8	37.8
	47	3440	0.96	865	146	0.50	4.9	40.1	42.4
30	0	4650	1.29	739	86	0.40	6.6	39.0	18.5
	10	4190	1.16	722	91	0.42	5.9	39.8	21.7
	20	3730	1.04	714	93	0.43	5.3	40.9	24.9
	30	3050	0.85	714	93	0.43	4.3	37.5	30.5
	32	2890	0.80	715	93	0.43	4.1	36.3	32.2
25	0	3740	1.04	586	52	0.34	5.3	33.6	13.9
	5	3420	0.95	571	54	0.35	4.8	33.5	15.8
	10	3130	0.87	566	55	0.35	4.4	34.4	17.6
	15	2830	0.79	561	56	0.36	4.0	34.6	19.8
	20	2380	0.66	562	55	0.36	3.4	32.2	23.1
20	0	3130	0.87	486	33	0.28	4.4	31.0	10.5
	5	2790	0.78	473	35	0.29	3.9	31.8	12.5
	10	2450	0.68	467	35	0.29	3.5	33.5	14.3
	14	2080	0.58	468	35	0.29	2.9	31.7	16.8
15	0	2400	0.67	363	20	0.23	3.4	23.1	8.3
	3	2140	0.59	352	20	0.23	3.0	25.3	9.3
	5	1970	0.55	348	21	0.24	2.8	25.2	10.7
	8	1670	0.46	348	21	0.24	2.4	25.1	12.6
10	0	1810	0.50	256	11	0.19	2.6	18.0	6.1
	1	1690	0.47	253	12	0.19	2.4	17.3	7.1
	3	1440	0.40	248	12	0.19	2.0	18.3	8.3
	4	1280	0.36	248	12	0.19	1.8	17.7	9.4
5	0	1230	0.34	138	8	0.19	1.7	7.8	6.5
	1	1020	0.28	135	8	0.19	1.4	8.0	7.8
	2	870	0.24	135	9	0.19	1.2	7.8	10.3



Fan characteristic



Specific power

