Fan 3440 C 400-415V 50Hz **34301102**
Fan 3440 M 400-415V 50Hz **34324102**

Images

34301102

34324102

Technical data

Voltage:	**400 – 415**	[⅄ V ac] +/-10%
Phase:	**3**	
Frequency:	**50**	[Hz]
Max. current:	**0,44**	[A]
Current (at 50 Pa and 50Hz):	**0,42**	[A]
Input power (at 50 Pa and 50Hz):	**227**	[W]
Shaft power (at 50 Pa and 50Hz):	**152**	[W]
Max. input power:	**237**	[W]
Max. air volume:	**5120**	[m^3/h]
Max. pressure:	**96**	[pa]
Max. rotations:	**1392**	[RPM]
Poles:	**4**	
Cos phi:	**0,78**	
Controllable:	**F**	Frequency
Insulation class:	**F**	
Protection class:	**IP 66**	
Sound production (calculated):	**64 (53)**	[dB(A)]
Impeller:	**396 / 6 / 42,5 / 14**	D / n / ° / shaft diameter
Weight 34301102 (excl. pack.):	**11,6 / 24,6**	[Kg] / [lbs]
Weight 34324102 (excl. pack.):	**12,8 / 28,2**	[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 efficiëncy:	**38,0**	[%]
Measurement category:	**C**	
Efficiency category:	**Static**	
Efficiency grade (N) at optimum energy efficiency	**48,3**	
Variable speed drive VSD:	**No**	
Year of manufacture:	**See typelabel**	
Commercial registration number:	**Fancom B.V. 12015669 Panningen (NL)**	
Model number:	**3440 50Hz**	
Input power at optimum energy efficiency point:	**237**	[W]
Air volume at optimum energy efficiency point:	**3430**	[m^3/h]
Pressure at optimum energy efficiency point:	**96**	[pa]
Rotations at optimum energy efficiency point:	**1370**	[RPM]
Compressibility factor:	**0,9857**	
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**	

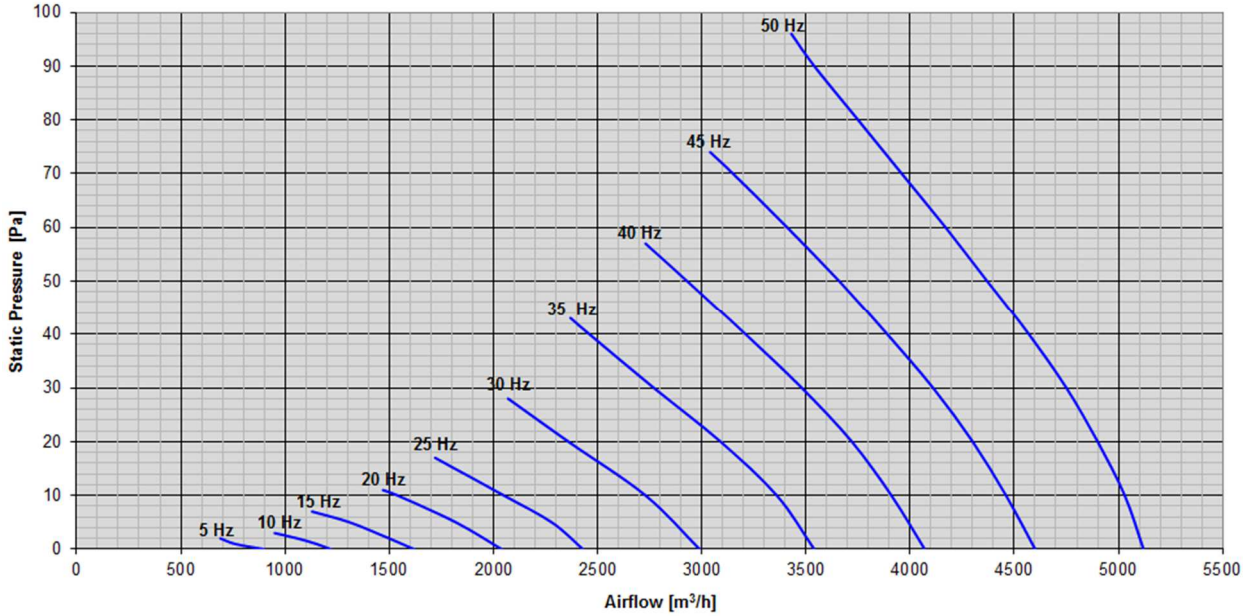
Ambient climate

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 3440 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 -------		RPM	P	I	v	η_{tot}	P_{spec}
[Hz]	[Pa]	[m³/h]	[m³/s]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m³/h]
50	0	5120	1.42	1392	205	0.40	11.3	53.3	40.0
	10	5030	1.40	1390	209	0.40	11.1	56.3	41.6
	20	4900	1.36	1387	213	0.41	10.8	57.8	43.5
	30	4750	1.32	1383	218	0.41	10.5	58.2	45.9
	40	4570	1.27	1379	222	0.42	10.1	57.9	48.6
	50	4370	1.21	1376	227	0.42	9.7	56.7	51.9
	60	4170	1.16	1373	231	0.43	9.2	55.7	55.4
	70	3960	1.10	1370	234	0.43	8.8	54.5	59.1
	80	3750	1.04	1369	236	0.44	8.3	53.5	62.9
	90	3540	0.98	1369	237	0.44	7.8	52.6	66.9
	96	3430	0.95	1370	237	0.44	7.6	52.5	69.1
45	0	4600	1.28	1240	153	0.36	10.2	51.8	33.3
	10	4460	1.24	1236	157	0.37	9.9	53.9	35.2
	20	4300	1.19	1231	162	0.38	9.5	54.7	37.7
	30	4110	1.14	1226	166	0.38	9.1	54.7	40.4
	40	3890	1.08	1222	171	0.39	8.6	53.3	44.0
	50	3660	1.02	1218	174	0.40	8.1	52.2	47.5
	60	3410	0.95	1215	177	0.40	7.5	50.4	51.9
	70	3150	0.88	1215	177	0.40	7.0	49.0	56.2
	74	3040	0.84	1216	177	0.40	6.7	48.2	58.2
40	0	4070	1.13	1092	112	0.33	9.0	49.0	27.5
	10	3910	1.09	1086	116	0.33	8.6	51.3	29.7
	20	3720	1.03	1080	120	0.35	8.2	52.2	32.3
	30	3480	0.97	1074	124	0.35	7.7	51.1	35.6
	40	3210	0.89	1069	127	0.36	7.1	49.3	39.6
	50	2930	0.81	1067	129	0.36	6.5	47.4	44.0
	57	2730	0.76	1068	128	0.36	6.0	46.7	46.9
35	0	3540	0.98	942	79	0.30	7.8	45.7	22.3
	10	3360	0.93	935	82	0.31	7.4	49.1	24.4
	20	3090	0.86	926	86	0.32	6.8	47.9	27.8
	30	2770	0.77	917	90	0.33	6.1	44.9	32.5
	40	2460	0.68	915	91	0.33	5.4	43.4	37.0
	43	2370	0.66	916	91	0.33	5.2	43.0	38.4
30	0	2990	0.83	786	52	0.26	6.6	41.9	17.4
	10	2730	0.76	773	56	0.28	6.0	43.1	20.5
	20	2360	0.66	761	59	0.29	5.2	40.4	25.0
	28	2070	0.58	760	59	0.29	4.6	39.5	28.5
25	0	2430	0.68	627	33	0.24	5.4	35.4	13.6
	5	2280	0.63	617	35	0.24	5.0	36.6	15.4
	10	2050	0.57	606	36	0.25	4.5	35.3	17.6
	17	1720	0.48	601	37	0.25	3.8	33.2	21.5
20	0	2040	0.57	512	22	0.21	4.5	31.4	10.8
	5	1820	0.51	501	23	0.21	4.0	32.3	12.6
	10	1540	0.43	496	24	0.22	3.4	30.2	15.6
	11	1470	0.41	495	24	0.22	3.2	29.5	16.3
15	0	1620	0.45	370	14	0.18	3.6	24.7	8.6
	2	1500	0.42	365	15	0.19	3.3	23.9	10.0
	5	1310	0.36	356	15	0.19	2.9	24.3	11.5
	7	1130	0.31	354	16	0.19	2.5	21.1	14.2
10	0	1220	0.34	248	10	0.17	2.7	14.8	8.2
	1	1150	0.32	246	10	0.17	2.5	15.6	8.7
	2	1060	0.29	243	10	0.17	2.3	15.6	9.4
	3	950	0.26	240	10	0.17	2.1	14.9	10.5
5	0	900	0.25	130	8	0.17	2.0	7.4	8.9
	1	760	0.21	130	7	0.17	1.7	8.1	9.2
	2	690	0.19	128	8	0.17	1.5	8.1	11.6

Fan characteristic



Specific power