



Fan 3456 C 400-415V 50Hz

34301105

Fan 3456 M 400-415V 50Hz

34324105

Images

34301105



34324105

Technical data

Voltage:	400 – 415	[\wedge V ac] +/-10%
Phase:	3	
Frequency:	50	[Hz]
Max. current:	1,23	[A]
Current (at 50 Pa and 50Hz):	1,17	[A]
Input power (at 50 Pa and 50Hz):	657	[W]
Shaft power (at 50 Pa and 50Hz):	499	[W]
Max. input power:	693	[W]
Max. air volume:	11830	[m ³ /h]
Max. pressure:	120	[pa]
Max. rotations:	1375	[RPM]
Poles:	4	
Cos phi:	0,82	
Controllable:	F	Frequency
Insulation class:	F	
Protection class:	IP 66	
Sound production (calculated):	70 (59)	[dB(A)]
Impeller:	556 / 6 / 45 / 14	D / n / ° / shaft diameter
Weight 34301105 (excl. pack.):	15,8 / 34,8	[Kg] / [lbs]
Weight 34324105 (excl. pack.):	17 / 37,5	[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****ErP 2015****Data according to ErP directive**

Overall efficiency:	36,7 [%]
Measurement category:	C
Efficiency category:	Static
Efficiency grade (N) at optimum energy efficiency	44
Variable speed drive VSD:	No
Year of manufacture:	See typelabel
Commercial registration number:	Fancom B.V. 12015669 Panningen (NL)
Model number:	3456 50Hz
Input power at optimum energy efficiency point:	693 [W]
Air volume at optimum energy efficiency point:	7700 [m ³ /h]
Pressure at optimum energy efficiency point:	120 [pa]
Rotations at optimum energy efficiency point:	1363 [RPM]
Compressibility factor:	0,9909
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

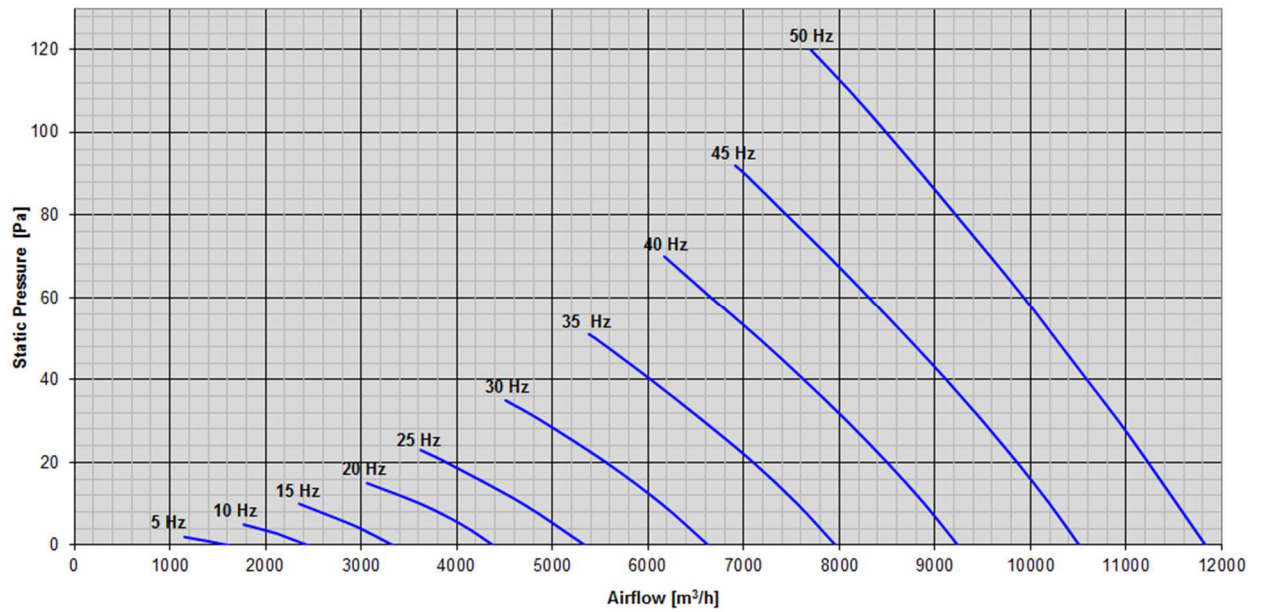


Specifications Fan 3456 50Hz

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]	[m ³ /h] [m ³ /s]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m ³ /h]	
50	0	11830	3.29	1375	619	1.12	13.3	56.7	52.3
	10	11530	3.20	1374	627	1.13	13.0	56.9	54.4
	20	11230	3.12	1372	635	1.14	12.7	57.1	56.5
	30	10920	3.03	1369	642	1.15	12.3	57.2	58.8
	40	10590	2.94	1367	649	1.16	11.9	56.9	61.3
	50	10260	2.85	1364	657	1.17	11.6	56.5	64.0
	60	9930	2.76	1362	663	1.18	11.2	56.3	66.8
	70	9580	2.66	1360	670	1.19	10.8	55.6	69.9
	80	9220	2.56	1359	676	1.20	10.4	54.9	73.3
	90	8860	2.46	1359	681	1.21	10.0	54.2	76.9
	100	8490	2.36	1359	686	1.22	9.6	53.3	80.8
	110	8110	2.25	1360	690	1.22	9.1	52.3	85.1
120	7700	2.14	1363	693	1.23	8.7	51.0	90.0	
45	0	10510	2.92	1226	455	1.00	11.9	54.1	43.3
	10	10200	2.83	1223	462	1.01	11.5	54.8	45.3
	20	9860	2.74	1221	468	1.02	11.1	55.1	47.5
	30	9500	2.64	1218	475	1.03	10.7	54.9	50.0
	40	9120	2.53	1215	481	1.05	10.3	54.5	52.7
	50	8720	2.42	1213	486	1.06	9.8	53.8	55.7
	60	8310	2.31	1210	491	1.06	9.4	53.0	59.1
	70	7890	2.19	1208	495	1.07	8.9	52.0	62.7
	80	7450	2.07	1207	499	1.08	8.4	50.7	67.0
	90	7010	1.95	1207	501	1.08	7.9	49.6	71.5
	92	6910	1.92	1207	501	1.08	7.8	49.2	72.5
	40	0	9240	2.57	1080	326	0.88	10.4	51.3
10		8890	2.47	1077	332	0.90	10.0	52.3	37.3
20		8500	2.36	1074	337	0.91	9.6	52.6	39.6
30		8080	2.24	1071	342	0.92	9.1	52.4	42.3
40		7630	2.12	1068	347	0.93	8.6	51.6	45.5
50		7160	1.99	1066	351	0.94	8.1	50.5	49.0
60		6660	1.85	1064	354	0.95	7.5	49.0	53.2
70		6170	1.71	1063	356	0.95	7.0	47.7	57.7
35	0	7960	2.21	934	224	0.77	9.0	47.7	28.1
	10	7560	2.10	930	229	0.78	8.5	49.2	30.3
	20	7100	1.97	926	234	0.80	8.0	49.3	33.0
	30	6580	1.83	923	237	0.81	7.4	48.6	36.0
	40	6030	1.68	920	241	0.82	6.8	47.1	40.0
	50	5450	1.51	918	243	0.83	6.1	45.3	44.6
	51	5380	1.49	918	243	0.83	6.1	44.9	45.2
30	0	6630	1.84	780	145	0.66	7.5	42.6	21.9
	10	6140	1.71	775	148	0.67	6.9	44.7	24.1
	20	5560	1.54	771	151	0.69	6.3	44.6	27.2
	30	4890	1.36	767	154	0.70	5.5	42.6	31.5
	35	4510	1.25	766	154	0.70	5.1	41.1	34.1
25	0	5340	1.48	628	87	0.55	6.0	37.1	16.3
	10	4690	1.30	622	90	0.56	5.3	38.8	19.2
	20	3890	1.08	617	92	0.57	4.4	37.1	23.7
	23	3620	1.01	616	93	0.58	4.1	35.7	25.7
20	0	4380	1.22	517	54	0.43	4.9	33.0	12.3
	5	4050	1.13	514	55	0.44	4.6	35.8	13.6
	10	3620	1.01	512	56	0.44	4.1	35.9	15.5
	15	3060	0.85	510	56	0.45	3.5	33.6	18.3
15	0	3330	0.93	389	26	0.32	3.8	30.1	7.8
	3	3080	0.86	384	27	0.33	3.5	32.4	8.8
	5	2900	0.81	382	28	0.33	3.3	32.8	9.7
	10	2350	0.65	381	28	0.34	2.7	33.1	11.9
10	0	2440	0.68	270	16	0.27	2.8	19.2	6.6
	2	2210	0.61	268	16	0.27	2.5	22.0	7.2
	3	2090	0.58	267	16	0.27	2.4	23.0	7.7
	5	1770	0.49	267	16	0.27	2.0	22.7	9.0
5	0	1610	0.45	142	12	0.30	1.8	7.4	7.5
	1	1390	0.39	141	12	0.30	1.6	8.0	8.6
	2	1150	0.32	140	12	0.30	1.3	8.0	10.4



Fan characteristic



Specific power

