



Fan 1456 C 200-240V 50Hz

34300105

Fan 1456 M 200-240V 50Hz

34325105

Images

34300105



34325105

Technical data

Voltage:	200 – 240	[V ac] +/-10%
Phase:	1	
Frequency:	50	[Hz]
Max. current:	3,97	[A]
Current (at 50 Pa and 240V):	3,16	[A]
Input power (at 50 Pa and 240V):	741	[W]
Shaft power (at 50 Pa and 240V):	504	[W]
Max. input power:	774	[W]
Max. air volume:	12060	[m ³ /h]
Max. pressure:	113	[pa]
Max. rotations:	1377	[RPM]
Capacitor:	16	[μF]
Poles:	4	
Cos phi:	0,97	
Controllable:	T,E	Trafo, Electronic
Insulation class:	F	
Protection class:	IP 66	
Sound production (calculated):	70 (59)	[dB(A)]
Impeller:	556 / 6 / 45 / 14	D / n / ° / shaft diameter
Weight 34300105 (excl. pack.):	17,6 / 38,8	[Kg] / [lbs]
Weight 34325105 (excl. pack.):	18,2 / 40,1	[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.
- Measurement performed with electronic control.
- According to AMCA 210 / ISO 5801.
- Images may differ slightly from reality.

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

Overall efficiency:	34,1 [%]
Measurement category:	C
Efficiency category:	Static
Efficiency grade (N) at optimum energy efficiency	41,2
Variable speed drive VSD:	No
Year of manufacture:	See typelabel
Commercial registration number:	Fancom B.V. 12015669 Panningen (NL)
Model number:	1456 50Hz
Input power at optimum energy efficiency point:	774 [W]
Air volume at optimum energy efficiency point:	8520 [m ³ /h]
Pressure at optimum energy efficiency point:	113 [pa]
Rotations at optimum energy efficiency point:	1353 [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

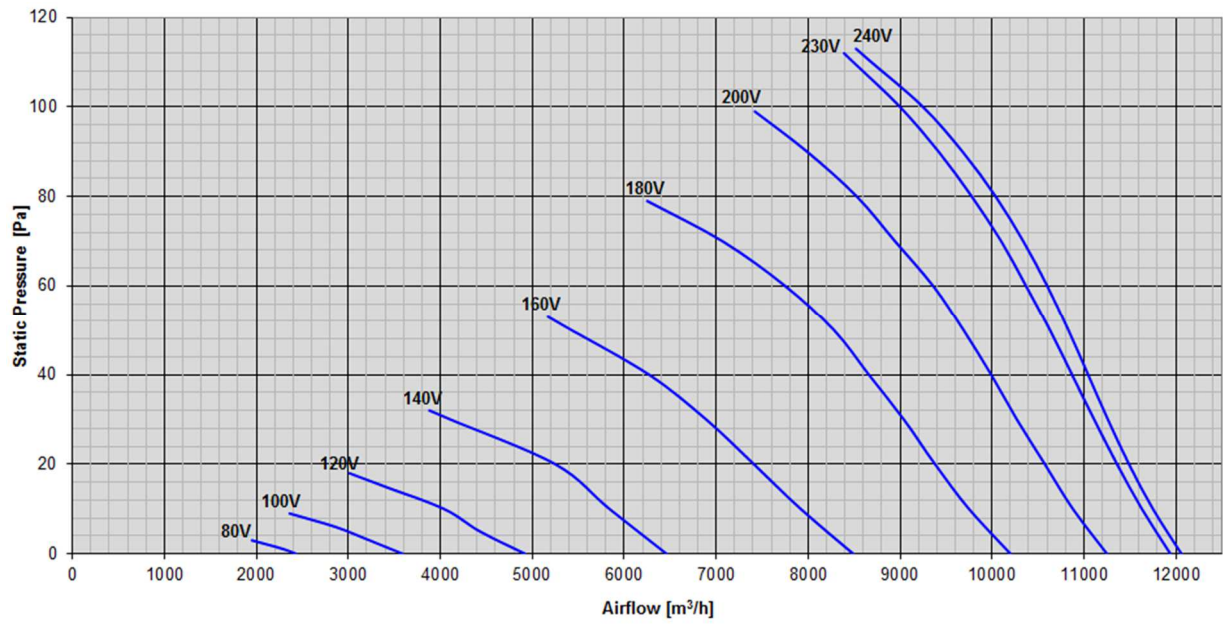


Specifications Fan 1456 50Hz

Spanning Voltage	Druk Pressure	Debiet Airflow	Toerental Rotations	Vermogen Power	Stroom Current	Luchtsnel. Airspeed	Tot. Rendement Tot. Efficiency	Spec. Verm. Spec. Power		
U	p	----- V -----	RPM	P	I	v	η_{tot}	P_{spec}		
[V]	[Pa]	[m ³ /h] [m ³ /s]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m ³ /h]		
240	0	12060	3.35	1377	705	3.02	13.6	52.7	58.5	
	10	11750	3.26	1375	714	3.06	13.3	52.7	60.8	
	20	11490	3.19	1372	722	3.09	13.0	53.4	62.8	
	30	11260	3.13	1370	729	3.12	12.7	54.4	64.7	
	40	11045	3.07	1368	735	3.14	12.5	55.6	66.5	
	50	10830	3.01	1366	741	3.16	12.2	56.6	68.4	
	60	10600	2.94	1364	747	3.19	12.0	57.4	70.5	
	70	10340	2.87	1362	752	3.21	11.7	57.9	72.7	
	80	10040	2.79	1360	757	3.23	11.3	57.8	75.4	
	90	9680	2.69	1358	762	3.25	10.9	57.0	78.7	
	100	9250	2.57	1356	767	3.28	10.4	55.4	82.9	
	110	8688	2.41	1354	772	3.31	9.8	52.4	88.9	
	113	8520	2.37	1353	774	3.32	9.6	51.5	90.8	
230	0	11940	3.32	1363	701	3.18	13.5	51.5	58.7	
	10	11630	3.23	1360	705	3.19	13.1	51.9	60.6	
	20	11360	3.16	1357	710	3.21	12.8	52.7	62.5	
	30	11110	3.09	1353	716	3.24	12.5	53.5	64.4	
	40	10870	3.02	1350	724	3.28	12.3	54.3	66.6	
	50	10630	2.95	1347	731	3.32	12.0	55.0	68.8	
	60	10370	2.88	1344	739	3.36	11.7	55.4	71.3	
	70	10100	2.81	1341	746	3.40	11.4	55.6	73.9	
	80	9780	2.72	1339	752	3.43	11.0	55.3	76.9	
	90	9420	2.62	1338	757	3.45	10.6	54.5	80.4	
	100	9000	2.50	1337	760	3.46	10.2	53.2	84.4	
	110	8492	2.36	1336	761	3.45	9.6	51.2	89.6	
	112	8390	2.33	1336	761	3.45	9.5	50.8	90.7	
200	0	11250	3.13	1281	653	3.57	12.7	46.2	58.0	
	10	10880	3.02	1275	659	3.60	12.3	46.0	60.6	
	20	10575	2.94	1269	666	3.64	11.9	46.5	63.0	
	30	10270	2.85	1262	673	3.68	11.6	46.8	65.5	
	40	9990	2.78	1255	679	3.71	11.3	47.5	68.0	
	50	9690	2.69	1248	685	3.74	10.9	47.8	70.7	
	60	9360	2.60	1242	690	3.77	10.6	47.8	73.7	
	70	8945	2.48	1238	694	3.79	10.1	47.0	77.5	
	80	8530	2.37	1233	697	3.81	9.6	46.1	81.7	
	90	7990	2.22	1230	699	3.83	9.0	44.0	87.5	
	99	7420	2.06	1229	700	3.84	8.4	41.5	94.3	
	180	0	10200	2.83	1163	590	3.70	11.5	38.1	57.8
		10	9750	2.71	1151	596	3.75	11.0	37.5	61.1
20		9380	2.61	1139	602	3.78	10.6	37.7	64.2	
30		9040	2.51	1128	607	3.81	10.2	38.2	67.1	
40		8660	2.41	1118	611	3.84	9.8	38.3	70.6	
50		8280	2.30	1107	615	3.87	9.3	38.3	74.3	
60		7750	2.15	1097	618	3.90	8.7	36.9	79.7	
70		7070	1.96	1089	621	3.93	8.0	34.2	87.8	
79		6250	1.74	1082	624	3.97	7.0	30.3	99.8	
160	0	8490	2.36	965	493	3.67	9.6	26.3	58.1	
	10	7920	2.20	946	495	3.69	8.9	25.7	62.5	
	20	7410	2.06	922	497	3.72	8.4	25.6	67.1	
	30	6890	1.91	901	500	3.75	7.8	25.4	72.6	
	40	6270	1.74	889	504	3.77	7.1	24.2	80.4	
	50	5424	1.51	899	509	3.80	6.1	21.4	93.9	
	53	5170	1.44	902	511	3.81	5.8	20.6	98.8	
140	0	6460	1.79	734	369	3.34	7.3	15.5	57.1	
	10	5840	1.62	713	375	3.37	6.6	15.6	64.2	
	20	5250	1.46	696	380	3.40	5.9	15.7	72.4	
	30	4108	1.14	685	376	3.40	4.6	13.0	91.5	
	32	3880	1.08	683	375	3.40	4.4	12.5	96.6	
120	0	4920	1.37	556	264	2.90	5.5	9.6	53.7	
	5	4430	1.23	532	260	2.88	5.0	9.5	58.7	
	10	4040	1.12	520	263	2.89	4.6	9.6	65.1	
	15	3396	0.94	517	260	2.88	3.8	8.6	76.5	
	18	3010	0.84	515	258	2.87	3.4	8.1	85.7	
100	0	3590	1.00	401	167	2.34	4.0	5.9	46.5	
	3	3230	0.90	383	166	2.32	3.6	5.9	51.4	
	6	2860	0.79	369	165	2.32	3.2	5.9	57.7	
	9	2360	0.66	376	166	2.32	2.7	5.2	70.3	
80	0	2430	0.68	264	93	1.76	2.7	3.3	38.3	
	1	2300	0.64	260	95	1.77	2.6	3.4	41.3	
	2	2130	0.59	254	96	1.78	2.4	3.4	45.1	
	3	1950	0.54	246	95	1.77	2.2	3.4	48.7	



Fan characteristic



Specific power

