



Fan 3445 C 400-415V 50Hz

34301103

Fan 3445 M 400-415V 50Hz

34324103

**Images**

34301103



34324103

**Technical data**

Voltage:	400 – 415	[ $\Delta$ V ac] +/-10%
Phase:	3	
Frequency:	50	[Hz]
Max. current:	0,56	[A]
Current (at 50 Pa and 50Hz):	0,55	[A]
Input power (at 50 Pa and 50Hz):	312	[W]
Shaft power (at 50 Pa and 50Hz):	200	[W]
Max. input power:	317	[W]
Max. air volume:	6540	[m <sup>3</sup> /h]
Max. pressure:	99	[pa]
Max. rotations:	1327	[RPM]
Poles:	4	
Cos phi:	0,82	
Controllable:	F	Frequency
Insulation class:	F	
Protection class:	IP 66	
Sound production (calculated):	65 (54)	[dB(A)]
Impeller:	446 / 6 / 42,5 / 14	D / n / ° / shaft diameter
Weight 34301103 (excl. pack.):	11,6 / 24,6	[Kg] / [lbs]
Weight 34324103 (excl. pack.):	12,8 / 28,2	[Kg] / [lbs]

- Air density 1,2 kg/m<sup>3</sup>, 1 Pa (Pascal) = 1N/m<sup>2</sup> ~ 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:	<b>34,5</b> [%]
Measurement category:	<b>C</b>
Efficiency category:	<b>Static</b>
Efficiency grade (N) at optimum energy efficiency	<b>44</b>
Variable speed drive VSD:	<b>No</b>
Year of manufacture:	<b>See typelabel</b>
Commercial registration number:	<b>Fancom B.V. 12015669 Panningen (NL)</b>
Model number:	<b>3445 50Hz</b>
Input power at optimum energy efficiency point:	<b>316</b> [W]
Air volume at optimum energy efficiency point:	<b>4020</b> [m <sup>3</sup> /h]
Pressure at optimum energy efficiency point:	<b>99</b> [pa]
Rotations at optimum energy efficiency point:	<b>1294</b> [RPM]
Compressibility factor:	<b>0,9857</b>
Information on dismantling, recycling and disposal:	<b>Observe the manual of this product</b>
Information about environment and optimal live:	<b>Observe the manual of this product</b>
Description of additional items used when determining the fan energy efficiency:	<b>No special items have been used</b>

**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

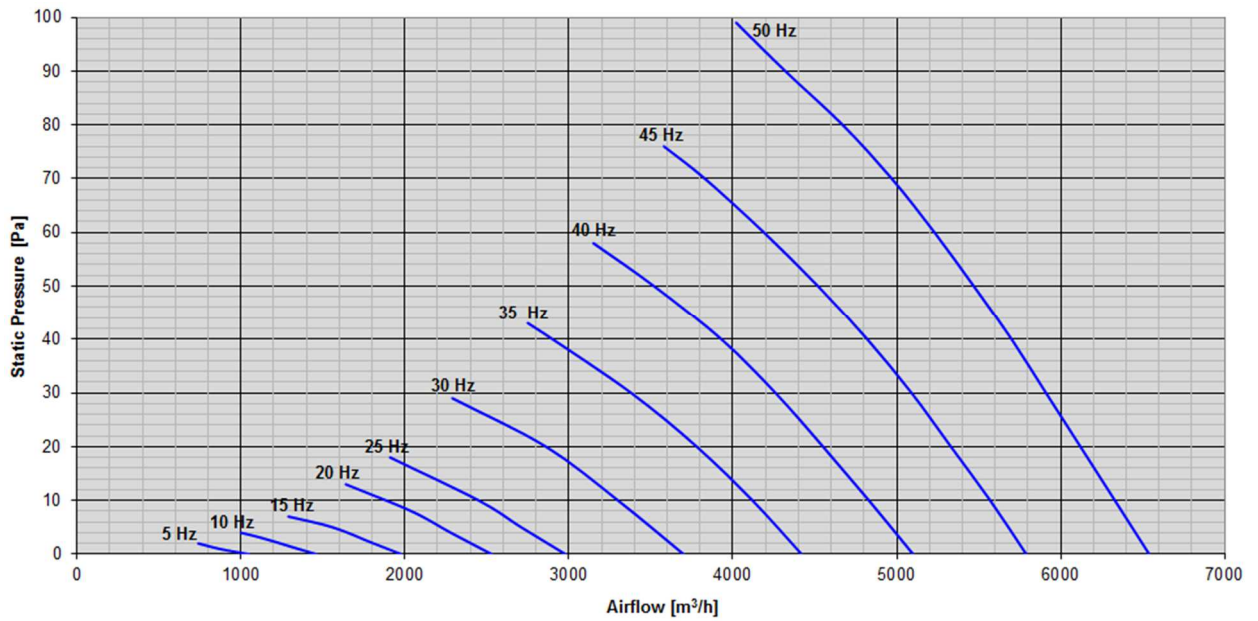


## Specifications Fan 3445 50Hz

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	$\eta_{tot}$	$P_{spec}$	
[Hz]	[Pa]	[m <sup>3</sup> /h] [m <sup>3</sup> /s]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m <sup>3</sup> /h]	
50	0	6540	1.82	1327	280	0.50	11.4	50.8	42.8
	10	6330	1.76	1320	289	0.51	11.1	50.7	45.7
	20	6120	1.70	1313	296	0.53	10.7	50.9	48.4
	30	5910	1.64	1307	303	0.53	10.3	50.9	51.3
	40	5700	1.58	1301	308	0.54	10.0	51.1	54.0
	50	5470	1.52	1297	312	0.55	9.6	51.0	57.0
	60	5230	1.45	1294	315	0.55	9.1	50.8	60.2
	70	4970	1.38	1292	316	0.56	8.7	50.3	63.6
	80	4670	1.30	1291	317	0.56	8.2	49.1	67.9
	90	4320	1.20	1292	316	0.56	7.5	47.1	73.1
99	4020	1.12	1294	316	0.56	7.0	45.4	78.6	
45	0	5790	1.61	1175	207	0.46	10.1	47.7	35.8
	10	5570	1.55	1166	214	0.47	9.7	48.3	38.4
	20	5330	1.48	1158	220	0.48	9.3	48.5	41.3
	30	5090	1.41	1151	225	0.49	8.9	48.6	44.2
	40	4820	1.34	1146	228	0.50	8.4	48.5	47.3
	50	4520	1.26	1142	231	0.50	7.9	47.5	51.1
	60	4190	1.16	1141	232	0.50	7.3	46.2	55.4
	70	3830	1.06	1142	232	0.50	6.7	44.4	60.6
	76	3580	0.99	1144	232	0.50	6.3	42.6	64.8
40	0	5100	1.42	1029	149	0.41	8.9	45.3	29.2
	10	4830	1.34	1019	154	0.42	8.4	45.9	31.9
	20	4550	1.26	1009	160	0.43	7.9	45.7	35.2
	30	4260	1.18	1002	163	0.44	7.4	45.9	38.3
	40	3930	1.09	998	166	0.45	6.9	44.9	42.2
	50	3520	0.98	997	166	0.45	6.1	42.8	47.2
	58	3150	0.88	998	165	0.45	5.5	40.4	52.4
	35	0	4420	1.23	886	101	0.36	7.7	43.5
10		4120	1.14	871	106	0.37	7.2	44.3	25.7
20		3780	1.05	860	110	0.38	6.6	44.1	29.1
30		3380	0.94	854	112	0.39	5.9	42.7	33.1
40		2900	0.81	855	112	0.39	5.1	39.8	38.6
43		2750	0.76	856	112	0.39	4.8	38.8	40.7
30	0	3700	1.03	731	66	0.31	6.5	39.0	17.8
	10	3300	0.92	710	70	0.33	5.8	39.2	21.2
	20	2860	0.79	699	72	0.34	5.0	38.6	25.2
	29	2290	0.64	700	72	0.34	4.0	34.1	31.4
25	0	2980	0.83	576	40	0.27	5.2	33.6	13.4
	5	2710	0.75	559	42	0.28	4.7	33.1	15.5
	10	2450	0.68	546	43	0.29	4.3	33.2	17.6
	18	1910	0.53	546	43	0.29	3.3	30.4	22.5
20	0	2530	0.70	477	26	0.23	4.4	31.7	10.3
	4	2280	0.63	463	27	0.23	4.0	31.7	11.8
	8	2040	0.57	453	28	0.24	3.6	31.6	13.7
	13	1640	0.46	454	28	0.24	2.9	29.2	17.1
15	0	1980	0.55	352	16	0.20	3.5	24.7	8.1
	2	1810	0.50	344	17	0.20	3.2	23.6	9.4
	5	1560	0.43	334	17	0.20	2.7	24.1	10.9
	7	1290	0.36	335	17	0.20	2.3	21.2	13.2
10	0	1460	0.41	242	10	0.17	2.5	15.8	6.8
	1	1350	0.38	238	10	0.17	2.4	16.3	7.4
	3	1130	0.31	232	11	0.17	2.0	15.2	9.7
	4	1000	0.28	231	11	0.17	1.7	14.7	11.0
5	0	1050	0.29	131	8	0.17	1.8	7.4	7.6
	1	870	0.24	129	8	0.17	1.5	7.2	9.2
	2	740	0.21	129	7	0.17	1.3	8.8	9.5



### Fan characteristic



### Specific power

