



Fan 3692 C 400-415V 50Hz

34302014

Images

34302014

Technical data

Voltage:	400 – 415	[Δ V ac] +/-10%
Phase:	3	
Frequency:	50	[Hz]
Max. current:	2,23	[A]
Current (at 50 Pa and 50Hz):	2,16	[A]
Input power (at 50 Pa and 50Hz):	1033	[W]
Shaft power (at 50 Pa and 50Hz):	795	[W]
Max. input power:	1089	[W]
Max. air volume:	24870	[m ³ /h]
Max. pressure:	110	[pa]
Max. rotations:	944	[RPM]
Poles:	6	
Cos phi:	0,70	
Controllable:	F	Frequency
Insulation class:	F	
Protection class:	IP 66	
Sound production (calculated):	68 (57)	[dB(A)]
Impeller:	902 / 5 / 35 / 22	D / n / ° / shaft diameter
Weight 34302014 (excl. pack.):	42,9 / 94,4	[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:	39,3 [%]
Measurement category:	C
Efficiency category:	Static
Efficiency grade (N) at optimum energy efficiency	45,4
Variable speed drive VSD:	No
Year of manufacture:	See typelabel
Commercial registration number:	Fancom B.V. 12015669 Panningen (NL)
Model number:	3692 50Hz
Input power at optimum energy efficiency point:	1084 [W]
Air volume at optimum energy efficiency point:	14110 [m ³ /h]
Pressure at optimum energy efficiency point:	110 [pa]
Rotations at optimum energy efficiency point:	935 [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

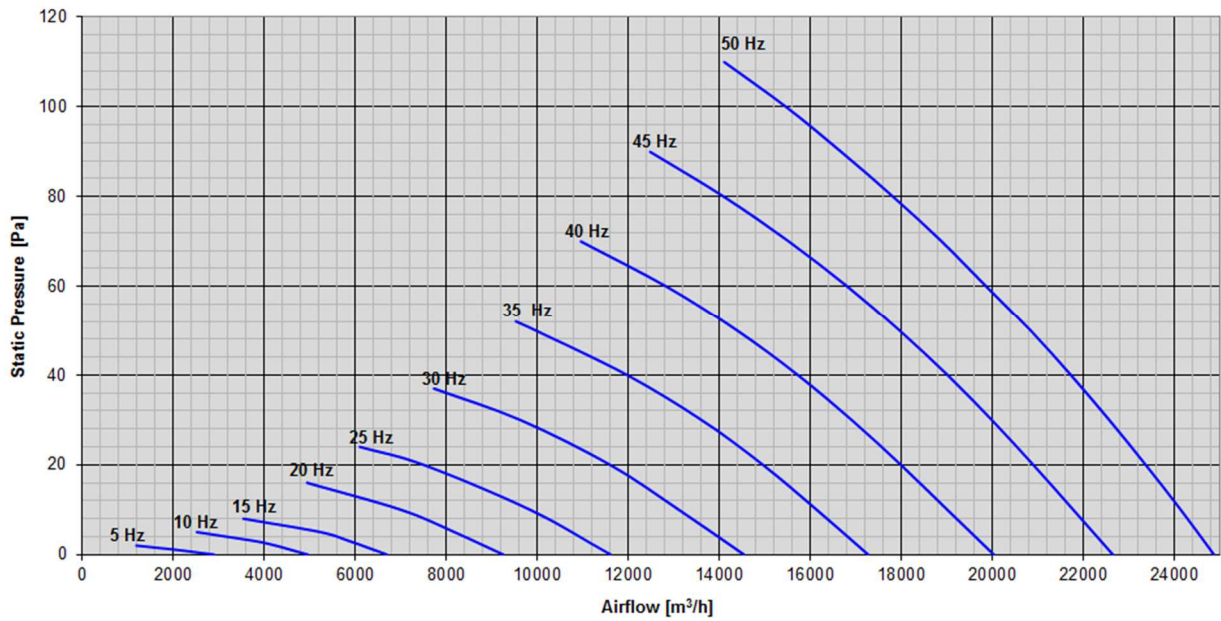


Specifications Fan 3692 50Hz

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 ----- [m³/h] [m³/s]	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]	
50Hz	0	24870	6.91	944	892	1.98	10.4	50.2	35.9
	10	24140	6.71	943	924	2.02	10.1	51.6	38.3
	20	23370	6.49	941	955	2.05	9.8	52.5	40.9
	30	22570	6.27	939	983	2.09	9.4	53.2	43.6
	40	21730	6.04	937	1010	2.12	9.1	53.5	46.5
	50	20840	5.79	936	1033	2.16	8.7	53.5	49.6
	60	19865	5.52	935	1051	2.18	8.3	53.2	52.9
	70	18890	5.25	934	1069	2.20	7.9	52.7	56.6
	80	17820	4.95	933	1081	2.22	7.4	51.9	60.7
	90	16680	4.63	933	1087	2.23	7.0	50.8	65.2
	100	15470	4.30	934	1089	2.24	6.5	49.4	70.4
110	14110	3.92	935	1084	2.23	5.9	47.3	76.8	
45Hz	0	22650	6.29	858	678	1.73	9.5	49.9	29.9
	10	21780	6.05	855	705	1.77	9.1	51.2	32.4
	20	20900	5.81	852	731	1.81	8.7	52.2	35.0
	30	19990	5.55	850	756	1.85	8.4	52.8	37.8
	40	19020	5.28	848	777	1.88	7.9	53.0	40.9
	50	17960	4.99	847	795	1.91	7.5	52.6	44.3
	60	16810	4.67	846	807	1.93	7.0	51.8	48.0
	70	15530	4.31	845	813	1.94	6.5	50.6	52.4
	80	14100	3.92	844	811	1.93	5.9	48.7	57.5
	90	12480	3.47	844	800	1.92	5.2	46.1	64.1
40Hz	0	20030	5.56	761	482	1.49	8.4	48.5	24.1
	10	19010	5.28	757	507	1.53	7.9	49.8	26.7
	20	17990	5.00	754	530	1.58	7.5	50.8	29.5
	30	16910	4.70	751	551	1.62	7.1	51.1	32.6
	40	15730	4.37	749	566	1.65	6.6	50.9	36.0
	50	14390	4.00	748	575	1.67	6.0	49.8	40.0
	60	12830	3.56	748	576	1.67	5.4	47.8	44.9
	70	10960	3.04	750	567	1.65	4.6	44.3	51.7
35Hz	0	17270	4.80	661	330	1.27	7.2	45.4	19.1
	10	16140	4.48	657	353	1.33	6.7	47.4	21.9
	20	14960	4.16	654	372	1.38	6.3	48.5	24.9
	30	13610	3.78	651	386	1.42	5.7	48.4	28.4
	40	11980	3.33	650	391	1.43	5.0	46.8	32.6
	50	9960	2.77	651	386	1.42	4.2	43.3	38.8
	52	9530	2.65	651	384	1.41	4.0	42.4	40.3
30Hz	0	14540	4.04	560	215	1.07	6.1	41.6	14.8
	10	13110	3.64	554	233	1.14	5.5	43.8	17.8
	20	11600	3.22	550	246	1.19	4.8	44.7	21.2
	30	9630	2.68	548	250	1.20	4.0	42.5	26.0
	37	7730	2.15	550	243	1.18	3.2	38.2	31.4
	25Hz	0	11610	3.23	455	129	0.89	4.9	35.3
10		9840	2.73	446	144	0.97	4.1	38.2	14.6
20		7500	2.08	444	148	0.99	3.1	36.4	19.7
24		6100	1.69	446	145	0.97	2.5	32.6	23.8
20Hz		0	9250	2.57	369	79	0.72	3.9	29.2
	5	8180	2.27	365	85	0.76	3.4	32.1	10.4
	10	7000	1.94	362	89	0.78	2.9	33.1	12.7
	16	4940	1.37	363	87	0.77	2.1	29.3	17.6
	15Hz	0	6690	1.86	276	44	0.57	2.8	19.8
3		5870	1.63	272	47	0.59	2.5	22.9	8.0
5		5240	1.46	271	47	0.60	2.2	24.4	9.0
8		3540	0.98	272	46	0.59	1.5	19.9	13.0
10Hz		0	4950	1.38	190	20	0.47	2.1	17.6
	2	4250	1.18	188	21	0.48	1.8	21.9	4.9
	3	3800	1.06	187	21	0.48	1.6	22.7	5.5
	5	2520	0.70	188	22	0.48	1.1	18.0	8.7
	5Hz	0	2890	0.80	96	18	0.63	1.2	3.9
1		2110	0.59	96	18	0.63	0.9	4.8	8.5
2		1190	0.33	96	18	0.62	0.5	3.9	15.1



Fan characteristic



Specific power

