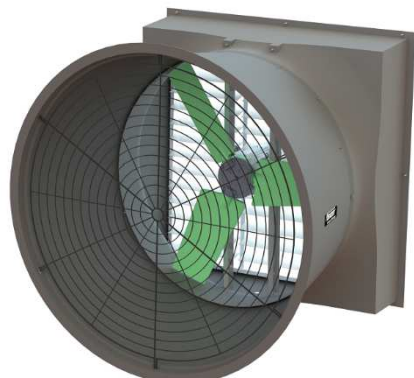




Fan IF52 inch EE 50-60Hz Xtra

4302520

Images

4302520

**Technical data (IF52 inch Xtra with shutter)**

Voltage:	400 - 460	[V ac] +/-10%
Phase:	3	
Frequency:	50 - 60	[Hz]
Max. current:	2,30	[A]
Current (at 50 Pa and 0V analog control):	2,30	[A]
Input power (at 50 Pa and 0V analog control):	961	[W]
Shaft power (at 50 Pa and 0V analog control):	835	[W]
Max. input power:	972	[W]
Max. air volume:	42290 / 24888	[m ³ /h] / [cfm]
Max. pressure:	69	[pa]
Max. rotations:	500	[RPM]
Leakage current:	8	[mA]
Controllable:	A+IO	Analog+IOnet
Insulation class:	F	
Protection class:	IP 66	
Sound production (calculated):	68 (57)	[dB(A)]
Impeller:	1325 / 3 / 30 / 22	D / n / ° / shaft diameter
Weight 4302520 (excl. pack.):	95 / 209,4	[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 with cone, protection grid and shutter at the suction side.
- Measurement with 400Vac / 50Hz power supply.
- According AMCA 210 / ISO 5801.
- Images may differ slightly from reality.

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

Overall efficiency:	35,6 [%]
Measurement category:	C
Efficiency category:	Static
Efficiency grade (N) at optimum energy efficiency	56
A variable speed drive is integrated within the fan	
Year of manufacture:	See typelabel
Commercial registration number:	Fancom B.V. 12015669 Panningen (NL)
Model number:	IF52 inch EE Xtra
Input power at optimum energy efficiency point:	972 [W]
Air volume at optimum energy efficiency point:	25960 / 15277 [m ³ /h] / [cfm]
Pressure at optimum energy efficiency point:	62,3 [pa]
Rotations at optimum energy efficiency point:	500 [RPM]
Compressibility factor:	0,985172
Information on dismantling, recycling and disposal:	Observe the manual of this product
Information about environment and optimal life:	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

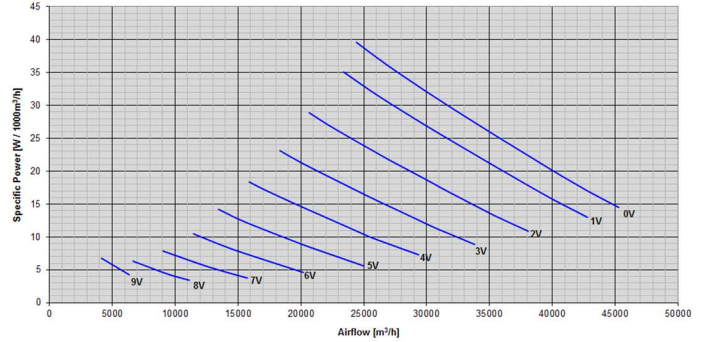
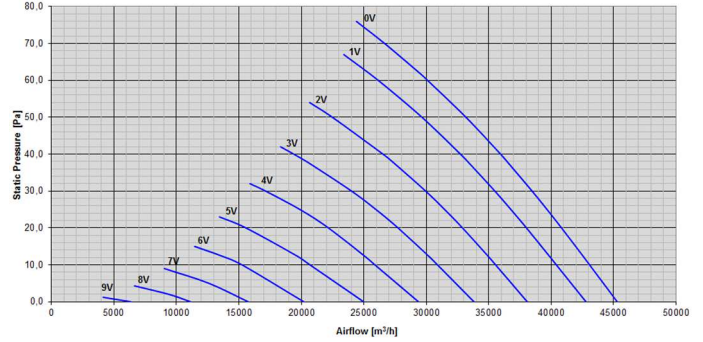
I/O Network

Possibility of communication via the I/O Network. One control computer and maximum 31 network modules (I-fans) can be connected to the I/O Network. Each connected network module has an unique address. After the address has been changed, the network module must always be restarted (switch power off, then on again).



Specifications Fan IF52 inch EE Xtra without shutter (50/60Hz)

Stuur spanning Voltage control	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]	[H ₂ O] [m ³ /h] [cfm] [m ³ /s]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m ³ /h] [cfm/W]	
0	0.0	0.00 45280 26647 12.58	500	656	1.72	6.6	49.8	14.5	40.6
	10.0	0.04 43070 25347 11.96	500	720	1.85	6.3	55.7	16.7	35.2
	12.5	0.05 42520 25023 11.81	500	736	1.89	6.2	56.8	17.3	34.0
	20.0	0.08 40830 24028 11.34	500	783	1.99	5.9	59.6	19.2	30.7
	24.9	0.10 39890 23358 11.03	500	813	2.06	5.8	60.8	20.5	28.7
	30.0	0.12 38470 22640 10.69	500	843	2.13	5.6	61.8	21.9	26.9
	37.4	0.15 36620 21551 10.17	500	882	2.22	5.3	62.7	24.1	24.4
	40.0	0.16 35950 21157 9.99	500	894	2.24	5.2	63.0	24.9	23.7
	50.0	0.20 33180 19526 9.22	500	935	2.34	4.8	63.0	28.2	20.9
	60.0	0.24 30110 17720 8.36	500	962	2.40	4.4	62.2	31.9	18.4
	62.3	0.25 29360 17278 8.16	500	966	2.41	4.3	61.8	32.9	17.9
	70.0	0.28 26670 15695 7.41	500	971	2.42	3.9	60.3	36.4	16.2
	76.0	0.31 24410 14365 6.78	500	967	2.41	3.5	58.6	39.6	14.9
1	0.0	0.00 42780 25176 11.88	473	556	1.46	6.2	49.6	13.0	45.3
	10.0	0.04 40410 23781 11.23	473	620	1.58	5.9	55.6	15.3	38.4
	12.5	0.05 39820 23434 11.06	473	635	1.62	5.8	56.8	15.9	36.9
	20.0	0.08 38020 22375 10.56	473	680	1.72	5.5	59.5	17.9	32.9
	24.9	0.10 36800 21657 10.22	473	708	1.79	5.3	60.7	19.2	30.6
	30.0	0.12 35490 20886 9.86	473	734	1.86	5.2	61.7	20.7	28.5
	37.4	0.15 33480 19703 9.30	473	768	1.97	4.9	62.5	22.9	25.7
	40.0	0.16 32740 19267 9.09	473	778	2.00	4.8	62.6	23.8	24.8
	50.0	0.20 29660 17455 8.24	473	809	2.09	4.3	62.3	27.3	21.6
	60.0	0.24 26160 15395 7.27	473	823	2.11	3.8	60.6	31.5	18.7
	67.0	0.27 23400 13771 6.50	473	821	2.10	3.4	58.5	35.1	16.8
2	0.0	0.00 38080 22410 10.58	425	414	1.16	5.5	47.0	10.9	54.1
	10.0	0.04 35550 20921 9.88	425	466	1.25	5.2	51.1	13.1	44.9
	12.5	0.05 34910 20545 9.70	425	479	1.28	5.1	56.6	13.7	42.9
	20.0	0.08 32900 19362 9.14	425	517	1.36	4.8	59.6	15.7	37.5
	24.9	0.10 31500 18538 8.75	425	539	1.42	4.6	60.8	17.1	34.4
	30.0	0.12 29950 17826 8.32	425	561	1.48	4.4	61.3	18.7	31.4
	37.4	0.15 27480 16172 7.63	425	584	1.54	4.0	61.4	21.3	27.7
	40.0	0.16 26540 15619 7.37	425	590	1.56	3.9	61.1	22.2	26.5
	50.0	0.20 22490 13235 6.25	425	600	1.59	3.3	58.7	26.7	22.1
	54.0	0.22 20660 12158 5.74	425	597	1.58	3.0	57.1	28.9	20.4
3	0.0	0.00 33810 19897 9.39	377	300	0.81	4.9	45.4	8.9	66.3
	10.0	0.04 30900 18185 8.58	377	346	0.91	4.5	54.8	11.2	52.6
	12.5	0.05 30150 17743 8.38	377	357	0.94	4.4	56.3	11.8	49.7
	20.0	0.08 27740 16325 7.71	377	389	1.01	4.0	58.9	14.0	42.0
	24.9	0.10 26010 15307 7.23	377	405	1.08	3.8	59.7	15.6	37.8
	30.0	0.12 24020 14136 6.67	377	419	1.13	3.5	59.4	17.4	33.7
	37.4	0.15 20700 12182 5.75	377	427	1.18	3.0	57.7	20.6	28.5
	40.0	0.16 19400 11417 5.39	377	426	1.20	2.8	56.6	22.0	26.8
	42.0	0.17 18340 10793 5.09	377	424	1.20	2.7	55.6	23.1	25.5
4	0.0	0.00 29370 17284 8.16	330	214	0.67	4.3	41.7	7.3	80.8
	10.0	0.04 25890 15236 7.19	330	251	0.74	3.8	53.0	9.7	60.7
	12.5	0.05 25020 14724 6.95	330	260	0.77	3.6	54.6	10.4	56.6
	20.0	0.08 22170 13047 6.16	330	284	0.84	3.2	56.9	12.8	45.9
	24.9	0.10 19940 11735 5.54	330	293	0.87	2.9	56.6	14.7	40.1
	30.0	0.12 17140 10087 4.76	330	294	0.88	2.5	54.6	17.2	34.3
	32.0	0.13 15890 9351 4.41	330	292	0.88	2.3	53.2	18.4	32.0
5	0.0	0.00 24980 14701 6.94	280	140	0.52	3.6	39.2	5.6	105.0
	10.0	0.04 20690 12176 5.75	280	175	0.63	3.0	50.7	8.5	69.6
	12.5	0.05 19600 11535 5.44	280	181	0.66	2.8	52.2	9.2	63.7
	20.0	0.08 15570 9163 4.33	280	191	0.70	2.3	52.2	12.3	48.0
	23.0	0.09 13450 7915 3.74	280	191	0.70	2.0	49.5	14.2	41.4
6	0.0	0.00 20190 11882 5.61	232	93	0.40	2.9	31.2	4.6	127.8
	10.0	0.04 15250 8975 4.24	232	117	0.48	2.2	46.9	7.7	76.7
	12.5	0.05 13540 7968 3.76	232	120	0.48	2.0	46.5	8.9	66.4
	15.0	0.06 11460 6744 3.18	232	120	0.48	1.7	44.2	10.5	56.2
7	0.0	0.00 15740 9263 4.37	184	59	0.29	2.3	23.3	3.7	157.0
	5.0	0.02 12600 7415 3.50	184	69	0.32	1.8	35.6	5.5	107.5
	9.0	0.04 9040 5320 2.51	184	71	0.33	1.3	35.5	7.9	74.9
8	0.0	0.00 11120 6544 3.09	134	38	0.22	1.6	12.7	3.4	172.2
	2.0	0.01 9400 5532 2.61	134	41	0.22	1.4	19.9	4.4	134.9
	4.3	0.02 6650 3914 1.85	134	42	0.23	1.0	21.4	6.3	93.2
9	0.0	0.00 6340 3731 1.76	86	27	0.17	0.9	3.3	4.3	138.2
	1.2	0.00 4140 2436 1.15	86	28	0.17	0.6	5.8	6.8	87.0





Specifications Fan IF52 inch EE Xtra with shutter (50/60Hz)

Stuur spanning Voltage control	Druk Pressure	Debiet Airflow	Toerental Rotations	Vermogen Power	Stroom Current	Luchtsnel. Airspeed	Tot. Rendement Tot. Efficiency	Spec. Verm. Spec. Power					
U	P	Q	RPM	P	I	v	η_{tot}	P_{spec}					
[V]	[Pa]	[m ³ /h] [cfm]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m ³ /h] [cfm/W]					
0	0,0	0,00	42290	24888	11,75	500	741	1,92	6,1	35,9	17,5	33,6	
	10,0	0,04	40370	23758	11,21	500	792	2,01	5,9	43,4	19,6	30,0	
	12,5	0,05	39890	23475	11,08	500	806	2,04	5,8	44,9	20,2	29,1	
	20,0	0,08	38380	22587	10,66	500	844	2,11	5,6	48,8	22,0	26,8	
	24,9	0,10	37340	21975	10,37	500	869	2,16	5,4	50,8	23,3	25,3	
	30,0	0,12	36180	21292	10,05	500	892	2,20	5,3	52,5	24,7	23,9	
	37,4	0,15	34330	20203	9,54	500	923	2,25	5,0	54,1	26,9	21,9	
	40,0	0,16	33620	19785	9,34	500	933	2,27	4,9	54,4	27,8	21,2	
	50,0	0,20	30580	17996	8,49	500	961	2,30	4,4	54,7	31,4	18,7	
	60,0	0,24	26910	15837	7,48	500	972	2,28	3,9	53,2	36,1	16,3	
1	0,0	0,00	40020	23552	11,12	473	632	1,57	5,8	35,7	15,8	37,3	
	10,0	0,04	37970	22345	10,55	473	682	1,68	5,5	43,7	18,0	32,8	
	12,5	0,05	37430	22028	10,40	473	695	1,70	5,4	45,3	18,6	31,7	
	20,0	0,08	35690	21004	9,91	473	731	1,77	5,2	49,0	20,5	28,7	
	24,9	0,10	34460	20280	9,57	473	753	1,82	5,0	50,8	21,9	26,9	
	30,0	0,12	33060	19456	9,18	473	774	1,86	4,8	52,0	23,4	25,1	
	37,4	0,15	30800	18126	8,56	473	799	1,91	4,5	52,9	25,9	22,7	
	40,0	0,16	29830	17614	8,31	473	806	1,93	4,3	53,0	26,9	21,9	
	50,0	0,20	26180	15407	7,27	473	822	1,98	3,8	51,9	31,4	18,7	
	60,0	0,24	21690	12765	6,03	473	817	2,00	3,2	48,6	37,7	15,6	
2	0,0	0,00	35460	20868	9,85	425	471	1,21	5,2	33,3	13,3	44,3	
	10,0	0,04	33020	19432	9,17	425	515	1,30	4,8	42,4	15,6	37,7	
	12,5	0,05	32370	19050	8,99	425	526	1,32	4,7	44,1	16,2	36,2	
	20,0	0,08	30240	17796	8,40	425	557	1,38	4,4	47,6	18,4	32,0	
	24,9	0,10	28860	16866	7,96	425	573	1,41	4,2	49,1	20,0	29,4	
	30,0	0,12	26810	15778	7,45	425	587	1,44	3,9	49,6	21,9	26,9	
	37,4	0,15	23670	13930	6,58	425	598	1,48	3,4	48,9	25,3	23,3	
	40,0	0,16	22410	13188	6,23	425	599	1,48	3,3	48,2	26,7	22,0	
	45,0	0,18	19760	11629	5,49	425	596	1,49	2,9	46,0	30,2	19,5	
	3	0,0	0,00	30790	18120	8,55	377	346	0,92	4,5	29,7	11,2	52,4
10,0		0,04	27710	16307	7,70	377	385	1,02	4,0	39,4	13,9	42,4	
12,5		0,05	26880	15819	7,47	377	394	1,03	3,9	41,0	14,7	40,1	
20,0		0,08	24050	14153	6,68	377	415	1,07	3,5	44,0	17,3	34,1	
24,9		0,10	21830	12847	6,06	377	423	1,08	3,2	44,4	19,4	30,4	
30,0		0,12	19100	11240	5,31	377	425	1,09	2,8	43,2	22,3	26,4	
33,0		0,13	17250	10152	4,79	377	422	1,10	2,5	41,8	24,5	24,1	
4		0,0	0,00	25890	15236	7,19	330	250	0,68	3,8	24,4	9,7	60,9
		10,0	0,04	22100	13006	6,14	330	280	0,77	3,2	35,5	12,7	46,4
		12,5	0,05	20920	12311	5,81	330	285	0,79	3,0	36,8	13,6	43,2
	20,0	0,08	16550	9740	4,60	330	292	0,81	2,4	37,0	17,6	33,4	
	23,0	0,09	14370	8457	3,99	330	290	0,78	2,1	35,3	20,2	29,2	
	5	0,0	0,00	20430	12023	5,68	280	171	0,51	3,0	17,6	8,4	70,3
		10,0	0,04	14850	8739	4,13	280	189	0,54	2,2	27,9	12,7	46,2
		14,0	0,06	11340	6674	3,15	280	188	0,61	1,6	26,2	16,6	35,5
	6	0,0	0,00	14670	8633	4,08	232	114	0,38	2,1	9,7	7,8	75,7
		3,0	0,01	12340	7262	3,43	232	117	0,38	1,8	14,4	9,5	62,1
7,0		0,03	8850	5208	2,46	232	120	0,37	1,3	16,4	13,6	43,4	
7	0,0	0,00	8080	4755	2,24	184	73	0,27	1,2	2,5	9,0	65,1	
	3,0	0,01	6140	3613	1,71	184	75	0,31	0,9	7,9	12,2	48,2	

