



Delta DC Fan Product Training ***IP Rated Fan***

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IP?

- What is IP?
International Protection Rating or Ingress Protection Rating
(conformal coating)
- What does IP do?
Protect against dust and water (waterproof)
- IP consists of two digits – IP55 and IP56
 - 1st digit: protection against foreign object. Ex: 5 Dust
 - 2nd digit: protection against moisture. Ex: 5 Water Jets; 6 Heavy Sea (different than Salt Fog test)



Delta IP Rated Fan

- Delta offers IP54, IP55 and IP56 rated fan through the distribution channel
- Not every fan series can be equipped with IP due to the fan size and design
- General lead time: 5 weeks production plus transit time
- Where is the opportunity?
 - Outdoor application – Daktronics for scordboards; L3 communications for kiosk; Nortel for server
 - Indoor application – Cisco for set up box; Whirlpool for dishwasher
 - Comair Rotron

IP Fans List

MODEL				Rated Voltage	Operating Voltage Range	Input Current	Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Noise
PART NO.	Size	REV.	Function	VDC	VDC	Amp.	Watt	R.P.M.	m3/min	CFM	mmH ₂ O	IN H ₂ O	dB-A
AFB0412HHA-TA5F	40X40X10	00	F00 & IP55	12	7.0 ~ 13.8	0.05	0.6	7000	0.231	8.154	4.831	0.190	31.5
AFB0612HH-TA50	60X60X25.4	00	IP55	12	4.0 ~ 13.8	0.17	2.04	5000	0.78	27.55	7.470	0.294	40.0
AFB0612SH-TA50	60X60X25.4	00	IP55	12	4.0 ~ 13.8	0.27	3.24	6000	0.967	34.15	10.730	0.422	44.5
AFB0848HH-T8UH	80X80X25.4	00	F00 & IP55	48	28.0 ~ 56.0	0.08	3.84	3250	1.06	37.43	4.590	0.181	34.0
AFB0912H-TA50	92X92X25.4	00	IP55	12	5.0 ~ 13.8	0.21	2.52	2800	1.696	59.89	4.860	0.191	37.0
AFB0912M-PM11	92X92X25.4	00	IP55	12	5.0 ~ 13.8	0.12	1.44	2300	1.402	49.51	3.380	0.133	31.5
AFB1212HHE-T8U5	120X120X38	01	IP54	12	4.0 ~ 13.2	0.46	5.52	2900	3.4	120.07	9.000	0.354	44.0
AFB1212SH-T500	120X120X25.4	00	IP55	12	7.0 ~ 13.8	0.53	6.36	3400	3.203	113.11	10.920	0.430	46.5
AFB1212VHE-T500	120X120X38	00	IP55	12	4.0 ~ 13.2	0.6	7.2	3200	3.68	129.96	10.700	0.420	48.0
AFB1212VH-T500	120X120X25.4	00	IP55	12	7.0 ~ 13.8	0.4	4.8	3100	2.938	103.75	9.430	0.371	44.5
AFB1224HHE-T6M3	120X120X38	00	IP55	24	7.0 ~ 27.6	0.3	7.2	2900	3.4	120.07	9.000	0.354	44.0
AFB1224SH-T500	120X120X25.4	00	IP55	24	14.0 ~ 27.6	0.28	6.72	3400	3.203	113.11	10.920	0.430	46.5
AFB1248HE-T500	120X120X38	00	IP55	48	28.0 ~ 56.0	0.12	5.76	2600	3	105.94	7.600	0.300	41.0
AFB1512L-TA50	Ø172X25.4	00	IP55	12	6.0 ~ 14.0	0.56	6.72	2400	4.553	160.77	7.750	0.305	46.0
EFB1512HHG-T500	Ø172X50.8	00	IP55	12	8.0 ~ 14.0	1.79	21.48	3700	7.92	279.69	20.300	0.800	57.5
EFB1724VHG-T500	Ø172X50.8	00	IP55	24	12.0 ~ 28.0	0.97	23.28	4000	8.56	302.29	23.800	0.937	57.0
FFB0924EHE-T500	92X92X38	00	IP55	24	14.0 ~ 27.6	0.5	12	4800	3.12	110.18	16.900	0.665	55.0
FFB0948SHE-T500	92X92X38	00	IP55	48	28.0 ~ 56.0	0.2	9.6	4400	2.84	100.29	14.530	0.572	52.5
KFB1748EHS-8L90	Ø175X54	00	F00 & IP56	48	28.0 ~ 60.0	1.15	55.2	4200	8.421	297.37	56.960	2.369	73.5
PFB0612GHE-T500	60X60X38	00	IP55	12	7.0 ~ 13.2	0.85	10.2	10000	1.575	55.63	36.680	1.444	57.5
PFB0812UHE-T500	80X80X38	00	IP55	12	7.0 ~ 13.2	1.55	18.6	7500	3.038	107.3	34.750	1.368	61.0
PFB0912DHE-T500	92X92X38	00	IP55	12	7.0 ~ 13.2	3.1	37.2	8000	4.957	175.03	46.210	1.819	66.5
PFB0912EHE-T500	92X92X38	00	IP55	12	7.0 ~ 13.2	0.68	8.16	4800	2.936	103.67	17.560	0.691	54
PFB0912UHE-T500	92X92X38	00	IP54	12	7.0 ~ 13.2	1.96	23.52	7000	4.347	153.52	36.790	1.449	64
PFB1224UHE-T50F	120X120X38	00	F00 & IP55	24	14.0 ~ 26.5	2	48	5500	7.16	252.85	35.877	1.412	66.5