

# Super Windmaster Fans



PATENTED

## DC SERIES (STEEL)

- Six-bladed propeller utilizing a cambered - twist blade designed with a unique dihedral tip for higher air flow capacities at less horsepower.
- Non-overloading design maintains horsepower within catalog range of static pressure, resulting in lower motor load and reduced operating costs.
- Streamlined orifice insures higher air flow capacity.
- Available mounted in either slant or square wall housing.



Acme Engineering and Manufacturing Corporation certifies that the Super Windmaster DC shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

## SEALED BEARINGS

- Prelubricated oversize ball bearings are double sealed, require no service.
- Improved, more efficient drive assembly and super-duty neoprene belts provide longer service life.



## ENERGY EFFICIENT ENCLOSED MOTORS

- Heavy duty totally enclosed motors with shielded ball bearings are designed for continuous work load.
- Available in two speed.
- Built-in thermal overload for low-line voltage protection on all single phase motors.



Acme Windmaster Fans are listed by Canadian Standards Association Testing Laboratory as approved.

## MOTOR NOTES

1. All single speed single phase motors are dual voltage (115/230) except ¼ horsepower.
2. All ¼ horsepower single phase motors are single voltage (115 or 230).
3. Two-speed motors are single voltage (115 or 230) and not available in 1½ horsepower.
4. Low speed capacity of two speed fans is approximately one half of maximum.
5. All three phase motors are triple voltage (200-230/460).

FAN	HP	RPM	CERTIFIED CFM VS. STATIC PRESSURE (INCHES WG)															MAX STATIC PRESSURE
			.000"			.050"			.100"			.125"			.150"			
			CFM	*BHP	C/W	CFM	*BHP	C/W	CFM	*BHP	C/W	CFM	*BHP	C/W	CFM	*BHP	C/W	
DC24E	1/4	622	5280	0.25	18.3	4950	0.25	17.1	4530	0.26	15.5	4235	0.26	14.5	3870	0.25	10.8	.150
DC24F	1/3	735	6235	0.41	14.5	5960	0.41	13.8	5655	0.42	13.0	5475	0.42	12.5	5255	0.42	12.0	.250
DC24G	1/2	820	6960	0.57	12.1	6715	0.57	11.7	6450	0.57	11.2	6305	0.58	10.9	6145	0.58	10.6	.300
DC24G-2S	1/2	763	6475	0.46	14.0	6210	0.46	13.3	5920	0.46	12.7	5755	0.47	12.3	5555	0.47	11.8	.250
DC24H	3/4	949	8055	0.88	9.2	7840	0.88	8.9	7625	0.89	8.7	7510	0.89	8.5	7390	0.89	8.4	.300
DC24H-2S	3/4	875	7425	0.69	10.8	7195	0.69	10.4	6955	0.70	10.1	6825	0.70	9.9	6685	0.70	9.6	.375
DC30F	1/3	529	8475	0.40	20.1	7985	0.41	18.6	7400	0.42	17.0	7010	0.42	16.1	6560	0.41	15.2	.200
DC30G	1/2	607	9725	0.61	15.9	9305	0.61	15.0	8840	0.62	13.3	8570	0.63	13.6	8255	0.63	13.1	.250
DC30G-2S	1/2	546	8745	0.44	19.7	8275	0.45	18.3	7720	0.46	16.8	7365	0.46	16.0	6950	0.46	15.2	.200
DC30H	3/4	686	10990	0.87	12.7	10620	0.88	12.1	10230	0.89	11.5	10015	0.90	11.2	9780	0.90	10.9	.300
DC30H-2S	3/4	647	10365	0.73	14.2	9970	0.74	13.5	9550	0.75	12.8	9310	0.75	12.4	9040	0.76	12.0	.300
DC36F	1/3	431	10255	0.35	28.3	9570	0.36	25.2	8790	0.38	22.3	8300	0.38	20.8	7660	0.39	18.9	.150
DC36G	1/2	495	11780	0.52	22.4	11190	0.54	20.5	10555	0.56	18.7	10200	0.57	17.8	9805	0.57	17.0	.200
DC36G-2S	1/2	463	11015	0.43	25.5	10390	0.45	23.1	9680	0.46	20.8	9265	0.47	19.6	8795	0.47	18.4	.200
DC36H	3/4	575	13680	0.82	16.8	13175	0.84	15.7	12650	0.86	14.8	12375	0.87	14.3	12085	0.88	13.8	.300
DC36H-2S	3/4	511	12160	0.58	21.2	11595	0.60	19.6	10985	0.61	18.0	10640	0.62	17.2	10260	0.63	16.4	.250
DC36H†	1	634	15085	1.10	14.0	14630	1.12	13.3	14160	1.15	12.6	13915	1.16	12.3	13665	1.17	11.9	.300
DC42G	1/2	385	14445	0.54	26.5	13550	0.56	24.1	12490	0.58	21.5	11830	0.58	20.1	11110	0.59	18.7	.150
DC42G-2S	1/2	366	13355	0.43	31.0	12385	0.44	27.7	11125	0.46	24.1	10410	0.47	22.1	9610	0.48	20.1	.150
DC42H	3/4	442	16580	0.82	20.4	15815	0.84	19.0	14970	0.86	17.6	14475	0.87	16.8	13915	0.88	16.0	.250
DC42H-2S	3/4	511	15495	0.67	23.4	14670	0.69	21.5	13725	0.71	19.6	13145	0.71	18.6	12520	0.72	17.4	.300
DC42H†	1	485	18195	1.08	17.2	17500	1.10	16.2	16760	1.12	15.2	16350	1.14	14.7	15890	1.15	14.2	.300
DC48G	1/2	308	17470	0.55	31.8	16220	0.57	28.4	14650	0.58	24.9	13630	0.59	22.9	12160	0.61	19.9	.150
DC48G-2S	1/2	276	15655	0.39	39.5	14230	0.41	34.4	12230	0.43	28.6	10075	0.45	22.1	-	-	-	.125
DC48H	3/4	354	20080	0.83	24.4	19005	0.86	22.3	17795	0.87	20.5	17065	0.88	19.4	16225	0.89	18.3	.200
DC48H-2S	3/4	314	17810	0.58	31.0	16585	0.60	27.9	15080	0.62	24.6	14105	0.62	22.7	12865	0.64	20.3	.150
DC48H†	1	382	21670	1.04	21.2	20675	1.07	19.8	19600	1.09	18.3	18980	1.10	17.6	18285	1.11	16.8	.200
DC48K	1 1/2	444	25,185	1.63	16.4	24,335	1.66	15.5	23,450	1.69	14.5	22,980	1.71	14.1	22,475	1.72	13.8	.300
DC54-4H†	1	355	26395	1.14	24.0	24560	1.17	21.7	22660	1.19	19.7	21655	1.19	18.8	20570	1.20	17.7	.200
DC54-4K	1 1/2	398	29590	1.61	19.6	27960	1.64	18.2	26295	1.66	16.9	25430	1.67	16.2	24540	1.68	15.6	.250

- † Available with two-speed motor in 230/1 only.
- Sound ratings on Model DC are shown in Catalog C2.
- Performance shown is installation type A - Free inlet, Free outlet.
- \* Power (BHP) does not include drive losses.
- Performance ratings do not include the effects of appurtenances in the airstream.

CFM per Watt does not include drive losses. C/W ratings are not licensed to bear the AMCA seal.

WARNING! DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments.

CAUTION! Guards are strongly recommended when the fan is installed within seven (7) feet of the floor, working level or within reach of personnel. Guards complying with OSHA regulations are available as optional equipment. Review OSHA Codes and obtain a quotation.

### BELT TIGHTENERS FOR DC SERIES:

Keep fan performance to the design level, maintaining efficiency.

