

SuperWindmaster 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 | 1/2 | 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 | 1/2 | 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 | 1/2 | 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 |
| DC36J‡ | 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 | 356 | 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 |
| DC42J‡ | 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 |
| DC48J‡ | 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 |
| DC54-4J‡ | 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.

