

Acme Engineering & Manufacturing Corporation

P.O. Box 978 Muskogee, Oklahoma 74402 918/682-7791 918/682-0134 www.acmeag.com www.acmehort.com acmeccm@thefanpeople.com



- 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 housing, or slant housing & diffuser.
- Rust protected with a metal wash process and a baked on finish.

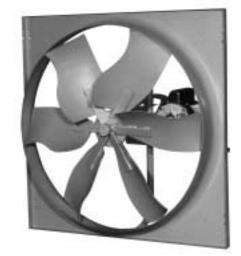
SEALED BEARINGS

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

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.





MOTOR NOTES

- All single speed single phase motors are dual voltage (115/230) except 1/4 horsepower.
- All 1/4 horsepower single phase motors are single voltage (115 or 230).
- Two speed motors are single voltage (115 or 230) and not available in1 ½ horsepower.
- Low speed capacity of two speed fans is approximately ½ of maximum.
- All three phase motors are triple voltage (200-230/460).

MOTOR DATA

| HP | Mfg | Mfg. Model | Volts | Hz | Mfg. | Mfg. Model | Volts | Hz | Mfg. | Mfg. Model | Volts | Hz |
|-------------------------------|------------|---------------|-------------|----|----------|----------------|-------------|----|----------|----------------|-------------|----|
| 1/3 | GE | 5KHC37MN11GS | 115/230 | 60 | Marathon | WN48N17T2A | 115/208/230 | 60 | Magnetek | HF2J061N | 115/230 | 60 |
| 1/3 | Baldor | 34K99W137 | 200/230/460 | 60 | | | | | | | | |
| 1/2 | A.O. Smith | 95GC071A-1 | 115/230 | 60 | Magnetek | 18613700 | 115/208/230 | 60 | GE | 5KCR46PN006AS | 115/208/230 | 60 |
| 1/2 | Marathon | 56T17T348 | 200/230/460 | 60 | Magnetek | 15819400 | 200/230/460 | 60 | GE | 5K42HGA161 | 200/230/460 | 60 |
| 3/4 | Emerson | T63ZZBMR-1002 | 115/208/230 | 60 | Marathon | 2WH56B17T5518B | 115/208/230 | 60 | GE | 5KCR46NN0137AS | 115/208/230 | 60 |
| 3/4 | GE | 5K49MN4096 | 115/230/460 | 60 | | | | | | | | |
| 1 | A.O. Smith | K56A40B83 | 115/230 | 60 | Magnetek | 181782 | 115/208/230 | 60 | Marathon | N56B17T5517 | 115/230 | 60 |
| 1 | GE | 5KCR49SN0020S | 115/208/230 | 60 | GE | 5K49PN4094 | 200/230/460 | 60 | Marathon | 56T17T5529 | 208/230/460 | 60 |
| 1 | Emerson | P63EBD3552 | 208/230/460 | 60 | | | | | | | | |
| 1 ¹ / ₂ | GE | 5KCR48WN0139S | 115/208/230 | 60 | Marathon | U56B17T5519B | 115/208/230 | 60 | Marathon | 56T17T5530 | 200/230/460 | 60 |
| 1 ¹ / ₂ | Baldor | M3554 | 208/230/460 | 60 | GE | 5K49SN409J | 200/230/460 | 60 | | | | |

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.

DC PERFORMANCE DATA

| | Fan Mounted in WS Slant Wall Housing With Inlet Shutter, Inlet and Outlet Guards | | | | | | | | | | | | | | | | |
|---|---|---------------|------------|----------|----------|-----------|-----------|------------|-----------|----------|---------|-------|-------|------|-------|------|------|
| CERTIFIED CFM VS. STATIC PRESSURE (INCHES WG) | | | | | | | | | | | | | | | | | |
| FAN | нр | ●RPM | | .000" | | .050" | | | .100" | | | .125" | | | .150" | | |
| MODEL | | URPIVI | CFM | BHP | C/W | CFM | BHP | C/W | CFM | BHP | C/W | CFM | BHP | C/W | CFM | BHP | C/W |
| DC24F-B | 1/3 | 735 | 5436 | .49 | 9.6 | 5229 | .50 | 9.1 | 5007 | .50 | 8.7 | 4882 | .50 | 8.4 | 4741 | .50 | 8.2 |
| DC24G-B | 1/2 | 820 | 6079 | .62 | 9.8 | 5847 | .63 | 9.3 | 5616 | .64 | 8.8 | 5499 | .64 | 8.6 | 5382 | .65 | 8.3 |
| DC24H-B | 3/4 | 949 | 7036 | .98 | 7.3 | 6859 | .99 | 7.0 | 6678 | 1.0 | 6.8 | 6586 | 1.0 | 6.7 | 6491 | 1.0 | 6.6 |
| DC30F-B | 1/3 | 529 | 7506 | .45 | 14.1 | 7077 | .46 | 13.0 | 6582 | .47 | 11.9 | 6255 | .48 | 11.2 | 5842 | .48 | 10.4 |
| DC30G-B | 1/2 | 607 | 8712 | .66 | 13.2 | 8295 | .67 | 12.4 | 7850 | .68 | 11.6 | 7605 | .69 | 11.1 | 7331 | .69 | 10.6 |
| DC30H-B | 3/4 | 686 | 9526 | .93 | 10.3 | 9172 | .94 | 9.9 | 8807 | .95 | 9.4 | 8614 | .96 | 9.1 | 8412 | .96 | 8.8 |
| DC36F-B | 1/3 | 431 | 9746 | .45 | 18.5 | 8910 | .47 | 16.6 | 8092 | .48 | 14.4 | 7348 | .48 | 13.2 | 6690 | .47 | 12.1 |
| DC36G-B | 1/2 | 495 | 11157 | .65 | 17.3 | 10432 | .66 | 15.8 | 9568 | .67 | 14.3 | 9101 | .67 | 13.6 | 8634 | .67 | 12.9 |
| DC36H-B | 3/4 | 575 | 12523 | .97 | 13.5 | 12005 | .99 | 12.6 | 11417 | 1.01 | 11.8 | 11052 | 1.02 | 11.3 | 10602 | 1.03 | 10.7 |
| DC36J-B | 1 | 634 | 13472 | 1.10 | 12.9 | 12956 | 1.12 | 12.1 | 12397 | 1.15 | 11.4 | 12077 | 1.16 | 11.0 | 11709 | 1.17 | 10.3 |
| DC42G-B | 1/2 | 385 | 13129 | .55 | 23.4 | 12107 | .57 | 21.0 | 10773 | .59 | 18.1 | 10014 | .60 | 16.6 | 9249 | .61 | 15.2 |
| DC42H-B | 3/4 | 442 | 14841 | .86 | 17.4 | 14070 | .88 | 16.1 | 13190 | .90 | 14.7 | 12647 | .91 | 14.0 | 12000 | .93 | 13.1 |
| DC42J-B | 1 | 485 | 16399 | 1.12 | 15.5 | 15621 | 1.14 | 14.4 | 14790 | 1.17 | 13.3 | 14329 | 1.18 | 12.8 | 13822 | 1.20 | 12.1 |
| DC48G-B | 1/3 | 308 | 16097 | .62 | 25.8 | 14831 | .64 | 23.1 | 13155 | .67 | 19.8 | 11340 | .65 | 17.2 | 9583 | .67 | 14.4 |
| DC48H-B | 3/4 | 354 | 19039 | .92 | 20.7 | 17840 | .94 | 19.2 | 16386 | .97 | 17.0 | 15474 | .99 | 15.8 | 14473 | .98 | 14.9 |
| DC48J-B | 1 | 382 | 20109 | 1.12 | 18.9 | 19041 | 1.14 | 17.6 | 17670 | 1.17 | 15.9 | 16662 | 1.19 | 14.8 | 15573 | 1.20 | 13.7 |
| DC48K-B | 1 ¹ / ₂ | 444 | 22985 | 1.63 | 14.6 | 21950 | 1.66 | 13.7 | 20905 | 1.69 | 12.9 | 20375 | 1.71 | 12.4 | 19826 | 1.73 | 11.9 |
| DC54-4H-B | 3/4 | 275 | 20305 | .68 | 30.4 | 18337 | .70 | 26.6 | 15812 | .72 | 22.4 | 13874 | .73 | 19.4 | 10132 | .72 | 14.5 |
| DC54-4J-B | 1 | 355 | 24594 | 1.21 | 21.4 | 22888 | 1.24 | 19.5 | 21114 | 1.26 | 17.6 | 20146 | 1.27 | 16.7 | 19045 | 1.29 | 15.5 |
| DC54-4K-B | 1 ¹ / ₂ | 398 | 26610 | 1.43 | 19.3 | 25100 | 1.45 | 17.9 | 23399 | 1.48 | 16.5 | 22427 | 1.49 | 15.7 | 21342 | 1.50 | 14.8 |
| Performance i | includes | s the effe | cts of sla | ant hous | ing, shu | tter, and | inlet and | d outlet g | guards ir | the airs | stream. | | | | | | |
| | Fan Mounted in WSC Slant Wall Housing With Diffuser Cone, Inlet Shutter, Inlet and Outlet Guards | | | | | | | | | | | | | | | | |
| | | | | | CE | RTIFIED | CFM VS. S | | ESSURE | INCHES | WG) | | | | | | |
| FAN | НР | ●RPM | | .000" | | | .050" | | | .100" | | | .125" | | .150" | | |
| MODEL | TP | •RPIVI | CFM | внр | C/W | CFM | BHP | C/W | CFM | внр | C/W | CFM | BHP | C/W | CFM | внр | c/w |
| DC24F-D | 1/3 | 735 | 5700 | .47 | 10.4 | 5494 | .47 | 9.9 | 5266 | .48 | 9.4 | 5131 | .48 | 9.1 | 4968 | .49 | 8.8 |
| DC24G-D | 1/2 | 820 | 6526 | .64 | 10.1 | 6328 | .65 | 9.7 | 6121 | .66 | 9.3 | 6011 | .67 | 9.1 | 5891 | .67 | 8.8 |
| DC24H-D | 3/4 | 949 | 7667 | .99 | 7.9 | 7481 | 1.00 | 7.6 | 7291 | 1.02 | 7.3 | 7193 | 1.02 | 7.1 | 7092 | 1.03 | 7.0 |

| FAN MODEL | НР | ●RPM | | .000" | | | .050" | | | .100" | | | .125" | | .150" | | |
|--------------|-------------------------------|----------|------------|---------|---------|----------|---------|----------|-----------|-----------|------|-------|-------|------|-------|------|------|
| WODEL | | -ru m | CFM | BHP | C/W | CFM | BHP | C/W | CFM | внр | C/W | CFM | BHP | C/W | CFM | BHP | C/W |
| DC24F-D | 1/3 | 735 | 5700 | .47 | 10.4 | 5494 | .47 | 9.9 | 5266 | .48 | 9.4 | 5131 | .48 | 9.1 | 4968 | .49 | 8.8 |
| DC24G-D | 1/2 | 820 | 6526 | .64 | 10.1 | 6328 | .65 | 9.7 | 6121 | .66 | 9.3 | 6011 | .67 | 9.1 | 5891 | .67 | 8.8 |
| DC24H-D | 3/4 | 949 | 7667 | .99 | 7.9 | 7481 | 1.00 | 7.6 | 7291 | 1.02 | 7.3 | 7193 | 1.02 | 7.1 | 7092 | 1.03 | 7.0 |
| DC30F-D | 1/3 | 529 | 8126 | .44 | 15.5 | 7575 | .45 | 14.2 | 6972 | .47 | 12.7 | 6629 | .49 | 11.8 | 6257 | .49 | 10.9 |
| DC30G-D | 1/2 | 607 | 9464 | .65 | 14.6 | 9072 | .67 | 13.7 | 8661 | .68 | 12.8 | 8441 | .69 | 12.3 | 8204 | .70 | 11.8 |
| DC30H-D | 3/4 | 686 | 10206 | .84 | 12.1 | 9853 | .87 | 11.4 | 9487 | .89 | 10.7 | 9295 | .90 | 10.4 | 9092 | .91 | 10.1 |
| DC36F-D | 1/3 | 431 | 10235 | .38 | 21.5 | 9369 | .40 | 18.8 | 8336 | .43 | 16.1 | 7767 | .43 | 14.9 | 6889 | .43 | 13.3 |
| DC36G-D | 1/2 | 495 | 11715 | .63 | 19.5 | 11001 | .65 | 17.6 | 10266 | .67 | 15.7 | 9872 | .68 | 14.7 | 9428 | .68 | 13.9 |
| DC36H-D | 3/4 | 575 | 13439 | .92 | 15.2 | 12856 | .95 | 14.1 | 12226 | .98 | 13.0 | 11871 | .99 | 12.5 | 11471 | 1.00 | 11.9 |
| DC36J-D | 1 | 634 | 14332 | 1.05 | 14.4 | 13756 | 1.08 | 13.3 | 13155 | 1.12 | 12.4 | 12835 | 1.13 | 12.0 | 12492 | 1.14 | 11.5 |
| DC42G-D | 1/2 | 385 | 14077 | .54 | 25.4 | 12952 | .59 | 21.8 | 11707 | .61 | 19.1 | 10974 | .62 | 17.8 | 10069 | .62 | 16.2 |
| DC42H-D | 3/4 | 442 | 16020 | .81 | 19.6 | 15186 | .85 | 18.0 | 14191 | .88 | 16.2 | 13523 | .89 | 15.3 | 12736 | .90 | 14.2 |
| DC42J-D | 1 | 485 | 17482 | 1.07 | 17.1 | 16665 | 1.13 | 15.6 | 15806 | 1.17 | 14.2 | 15341 | 1.19 | 13.6 | 14838 | 1.20 | 13.0 |
| DC48G-D | 1/3 | 308 | 17840 | .58 | 30.7 | 16219 | .62 | 26.3 | 14088 | .64 | 22.1 | 11709 | .64 | 18.4 | 9925 | .65 | 15.4 |
| DC48H-D | 3/4 | 354 | 20793 | .86 | 24.1 | 19469 | .92 | 21.4 | 17841 | .96 | 18.8 | 16821 | .97 | 17.5 | 15653 | .98 | 16.2 |
| DC48J-D | 1 | 382 | 22026 | 1.04 | 22.2 | 20708 | 1.10 | 19.7 | 19270 | 1.15 | 17.6 | 18444 | 1.16 | 16.7 | 17471 | 1.17 | 15.7 |
| DC48K-D | 1 ¹ / ₂ | 444 | 24745 | 1.54 | 16.7 | 23646 | 1.58 | 15.5 | 22472 | 1.63 | 14.4 | 21820 | 1.65 | 13.8 | 21097 | 1.67 | 13.1 |
| DC54-4H-D | 3/4 | 275 | 22945 | .65 | 35.4 | 20163 | .70 | 29.4 | 17064 | .73 | 24.0 | 15390 | .74 | 21.4 | 10270 | .70 | 14.8 |
| DC54-4J-D | 1 | 355 | 27200 | .98 | 27.6 | 25140 | 1.01 | 24.5 | 22794 | 1.05 | 21.5 | 21482 | 1.06 | 20.0 | 19873 | 1.07 | 18.4 |
| DC54-4K-D | 1 ¹ / ₂ | 398 | 30300 | 1.38 | 22.7 | 28526 | 1.41 | 20.9 | 26565 | 1.45 | 19.0 | 25472 | 1.47 | 18.0 | 24295 | 1.49 | 17.0 |
| Performance | includes | the offe | nte of els | nt hous | ina shu | ttor aua | rde and | diffusor | cone in t | ho airetr | 0.2m | | 1 | 1 | | 1 | |

Performance includes the effects of slant housing, shutter, guards and diffuser cone in the airstream.

Performance shown is for installation type A - Free inlet, Free outlet.

•Speed (RPM or RPS) shown in nominal. Performance based on actual speed of test.

Refer to Motor Table (page 1) for motor nameplate information.

Brake horsepower capability of a fan motor is dependent on the degree of cooling the motor receives from the airstream moving over the motor. Motor loading beyond the motor nameplate rating does not overheat the motor and is within NEMA recommended limits. Therefore, it is not detrimental to motor and is economically desirable.



Acme Engineering and Manufacturing Corporation certifies that the Windmaster DC fan shown hereon is licensed to bear the AMCA Seal. The AMCA Certified Ratings Program.

TWO-SPEED DC PERFORMANCE DATA

| | Two-Speed Fan Mounted in WS Slant Wall Housing With Inlet Shutter, Inlet and Outlet Guards | | | | | | | | | | | | | | | | |
|---|---|---------|-------|-------|------|-----------|----------|----------|----------|----------|------|-------|------|------|-------|------|------|
| CERTIFIED CFM VS. STATIC PRESSURE (INCHES WG) | | | | | | | | | | | | | | | | | |
| FAN MODEL | нр | RPM | | .000" | | .050" | | | .100" | | | .125" | | | .150" | | |
| MODEL | 111 | INF IVI | CFM | IBHP | C/W | CFM | внр | C/W | CFM | BHP | C/W | CFM | BHP | C/W | CFM | IBHP | c/w |
| DC24G-2S-B | 1/2 | 763 | 5656 | .50 | 9.4 | 5406 | .51 | 8.8 | 5158 | .52 | 8.3 | 5033 | .52 | 8.1 | 4907 | .52 | 7.8 |
| DC24H-2S-B | 3⁄4 | 875 | 6487 | .77 | 7.1 | 6295 | .78 | 6.8 | 6098 | .79 | 6.6 | 5996 | .79 | 6.4 | 5891 | .79 | 6.3 |
| DC30G-2S-B | 1/2 | 546 | 7862 | .49 | 13.5 | 7397 | .50 | 12.5 | 6884 | .50 | 11.4 | 6581 | .51 | 10.8 | 6225 | .52 | 10.1 |
| DC30H-2S-B | 3/4 | 647 | 9090 | .81 | 9.4 | 8720 | .82 | 8.9 | 8333 | .83 | 8.4 | 8127 | .83 | 8.2 | 7907 | .84 | 7.9 |
| DC36G-2S-B | ¹ / ₂ | 463 | 10416 | .53 | 16.5 | 9630 | .54 | 14.8 | 8670 | .55 | 13.3 | 8175 | .55 | 12.5 | 7575 | .55 | 11.6 |
| DC36H-2S-B | 3/4 | 511 | 11014 | .66 | 14.5 | 10418 | .68 | 13.3 | 9659 | .70 | 12.0 | 9107 | .70 | 11.2 | 8423 | .70 | 10.4 |
| DC36J-2S-B♦ | 1 | 634 | 13472 | 1.10 | 12.0 | 12956 | 1.12 | 11.3 | 12397 | 1.15 | 10.6 | 12077 | 1.16 | 10.3 | 11709 | 1.17 | 9.6 |
| DC42G-2S-B | 1/2 | 356 | 12140 | .43 | 22.8 | 11017 | .45 | 20.0 | 9477 | .47 | 16.5 | 8666 | .48 | 15.0 | 7596 | .49 | 13.0 |
| DC42H-2S-B | 3/4 | 413 | 13868 | .70 | 16.5 | 13036 | .72 | 15.1 | 12040 | .74 | 13.6 | 11391 | .75 | 12.7 | 10603 | .76 | 11.7 |
| DC42J-2S-B♦ | 1 | 485 | 16399 | 1.12 | 14.5 | 15621 | 1.14 | 13.4 | 14790 | 1.17 | 12.4 | 14329 | 1.18 | 12.0 | 13822 | 1.20 | 11.3 |
| DC48G-2S-B | 1/3 | 276 | 14425 | .45 | 16.7 | 13002 | .47 | 23.1 | 10191 | .48 | 17.9 | 8179 | .48 | 14.1 | 6009 | .50 | 10.1 |
| DC48H-2S-B | 3/4 | 314 | 16424 | .59 | 23.2 | 15001 | .61 | 20.7 | 13039 | .64 | 17.2 | 11703 | .63 | 15.7 | 10027 | .64 | 13.2 |
| DC48J-2S-B♦ | 1 | 382 | 20109 | 1.12 | 17.6 | 19041 | 1.14 | 16.4 | 17670 | 1.17 | 14.8 | 16662 | 1.19 | 13.8 | 15573 | 1.20 | 12.8 |
| DC54-4J-2S-B♦ | 1 | 355 | 24594 | 1.21 | 20.0 | 22888 | 1.24 | 18.2 | 21114 | 1.26 | 16.4 | 20146 | 1.27 | 15.6 | 19045 | 1.29 | 14.5 |
| Performance incl | Performance includes the effects of slant housing, shutter, and inlet and outlet guards in the airstream. | | | | | | | | | | | | | | | | |
| | Two-Speed Fan Mounted in WSC Slant Wall Housing With Diffuser Cone, Inlet Shutter, Inlet and Outlet Guards | | | | | | | | | | | | | | | | |
| | | | | | CE | RTIFIED C | FM VS. S | TATIC PR | ESSURE (| INCHES V | NG) | | | | | | |

| | CERTIFIED CFM VS. STATIC PRESSURE (INCHES WG) | | | | | | | | | | | | | | | | |
|---------------------|---|------|-------|------|------|-------|------|------|---------------|------|------|-------|------|------|-------|------|------|
| FAN MODEL | нр | ●RPM | .000" | | | .050" | | | .100" | | | .125" | | | .150" | | |
| WODEL | | | CFM | ●BHP | C/W | CFM | ●BHP | C/W | CFM | ●BHP | C/W | CFM | ●BHP | C/W | CFM | ●BHP | C/W |
| DC24G-2S-D | 1/2 | 763 | 6073 | .52 | 9.7 | 5859 | .53 | 9.3 | 5632 | .54 | 8.8 | 5507 | .54 | 8.5 | 5369 | .54 | 8.27 |
| DC24H-2S-D | 3/4 | 875 | 7069 | .77 | 7.7 | 6866 | .79 | 7.3 | 6658 | .80 | 7.0 | 6549 | .81 | 6.8 | 6436 | .81 | 6.7 |
| DC30G-2S-D | 1/2 | 546 | 8569 | .48 | 14.8 | 8133 | .50 | 13.6 | 7667 | .51 | 12.5 | 7407 | .52 | 11.9 | 7112 | .53 | 11.3 |
| DC30H-2S-D | 3/4 | 647 | 9711 | .73 | 11.0 | 9338 | .75 | 10.4 | 8950 | .77 | 9.7 | 8743 | .78 | 9.4 | 8522 | .79 | 9.0 |
| DC36G-2S-D | ¹ / ₂ | 463 | 10958 | .51 | 17.8 | 10193 | .54 | 15.8 | 9396 | .55 | 14.2 | 8942 | .56 | 13.4 | 8369 | .56 | 12.5 |
| DC36H-2S-D | 3/4 | 511 | 11800 | .62 | 16.4 | 11129 | .65 | 14.8 | 10360 | .67 | 13.3 | 9883 | .68 | 12.5 | 9268 | .69 | 11.6 |
| DC36J-2S-D♦ | 1 | 634 | 14332 | 1.05 | 13.4 | 13756 | 1.08 | 12.4 | 13155 | 1.12 | 11.6 | 12835 | 1.13 | 11.2 | 12492 | 1.14 | 10.7 |
| DC42G-2S-D | 1/2 | 356 | 13017 | .43 | 24.7 | 11793 | .47 | 20.7 | 10377 | .49 | 17.7 | 9454 | .49 | 16.0 | 8125 | .49 | 13.8 |
| DC42H-2S-D | 3/4 | 413 | 14970 | .66 | 18.6 | 14070 | .69 | 16.8 | 12917 | .72 | 14.9 | 12102 | .73 | 13.7 | 11245 | .74 | 12.7 |
| DC42J-2S-D♦ | 1 | 485 | 17482 | 1.07 | 16.0 | 16665 | 1.13 | 14.6 | 15806 | 1.17 | 13.3 | 15341 | 1.19 | 12.7 | 14838 | 1.20 | 12.1 |
| DC48G-2S-D | 1/3 | 276 | 25681 | .39 | 54.1 | 13804 | .43 | 27.0 | 10033 | .43 | 19.2 | 7734 | .44 | 14.5 | 5405 | .46 | 9.7 |
| DC48H-2S-D | 3/4 | 314 | 17888 | .55 | 27.0 | 16306 | .59 | 23.0 | 14080 | .62 | 19.0 | 12508 | .62 | 16.9 | 10058 | .63 | 13.4 |
| DC48J-2S-D♦ | 1 | 382 | 22026 | 1.04 | 2037 | 20708 | 1.10 | 18.4 | 19270 | 1.15 | 16.4 | 18444 | 1.16 | 15.6 | 17471 | 1.17 | 14.7 |
| DC54-4J-2S-D♦ | 1 | 355 | 27200 | .98 | 25.8 | 25140 | 1.01 | 22.9 | 22794 | 1.05 | 20.1 | 21482 | 1.06 | 18.7 | 19873 | 1.07 | 17.2 |
| Deufermeren et la c | | · | | | | | | | الم الم من ال | | | | · | | - | | |

Performance includes the effects of slant housing, shutter, inlet and outlet guards and diffuser cone in the airstream.

Two speed models are not licensed to bear the AMCA seal. ♦1 Horsepower models available in 230/1 only. Performance shown is for installation type A - Free inlet, Free outlet.

MODEL WS SLANT WALL HOUSING

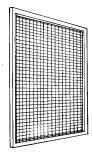
- Slant arrangement protects motor and drives from weather.
- High air flow capacity shutter directs air to fan.
- Select fan at .05" sp. instead of .10".
- Constructed of heavy gauge galvanized or aluminum.

| | FOR DC MODEL FAN | | | | | | | | | |
|-------------|------------------|---------|---------|----|--|--|--|--|--|--|
| FAN SIZE | WALL HOUSING | SHUTTER | | | | | | | | |
| | MODEL | wт | MODEL | wт | | | | | | |
| 24" | WS24DC | 35 | WAA2727 | 14 | | | | | | |
| 30" | WS30DC | 42 | WAA3333 | 20 | | | | | | |
| 36" | WS36DC | 46 | WAA3939 | 27 | | | | | | |
| 42" | WS42DC | 53 | WAA4545 | 30 | | | | | | |
| 48" | WS48DC | 78 | WAA5454 | 44 | | | | | | |
| 54" | WS54DC | 106 | WAA6060 | 54 | | | | | | |

- Includes guard on outlet side.
- Shutter and inlet guard held in place by quick release clips.
- Wiring knockout allows wiring connections inside building.









Aluminum Shutters

- All aluminum construction.
- Counter balanced blades.
- Nylon bearings.
- Stainless steel hinge pins.
- Low air resistance.
- Reduces sticking in dusty and moist conditions.

GS Guards

 Galvanized heavy gauge welded wire in aluminum frames.

| Fan Size | Guard for Slant | Model Housing |
|----------|----------------------|------------------|
| 24" | GS24 | 5 lbs. |
| 30" | GS30 | 7 lbs. |
| 36" | GS36 | 10 lbs. |
| 42" | GS42 | 12 lbs. |
| 48" | GS48 | 15 lbs. |
| 54" | GS54 | 18 lbs. |

Discharge Air Diffuser Cone

Made of galvanized steel, the cone increases air flow with the same HP and includes safety guard, brackets and hardware for easy mounting. Cone is designed for use with slant wall collar (not slant housing) and shipped knocked down.

| | FOR DC MODEL FAN | | | | | | | | | | |
|-------------|-------------------|---------|---------|----|--|--|--|--|--|--|--|
| FAN SIZE | Air Diffuser Cone | SHUTTER | | | | | | | | | |
| - | MODEL | ₩Т | MODEL | wт | | | | | | | |
| 24" | WSC24DC | 35 | WAA2727 | 14 | | | | | | | |
| 30" | WSC30DC | 42 | WAA3333 | 20 | | | | | | | |
| 36" | WSC36DC | 46 | WAA3939 | 27 | | | | | | | |
| 42" | WSC42DC | 53 | WAA4545 | 30 | | | | | | | |
| 48" | WSC48DC | 78 | WAA5454 | 44 | | | | | | | |
| 54" | WSC54DC | 106 | WAA6060 | 54 | | | | | | | |



CAUTION! Guards are strongly recommended when the fan is installed within sever (7) feet of 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.

WARNING Acme products are designed and manufactured to provide reliable performance but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and this possibility should be recognized by the User. If these products are used in a life support ventilation system where failure could result in loss or injury, the User should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or iniurv

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 must be installed when fan is within reach of personnel or within seven (7) feet (2.134 m) of working level or when deemed advisable for safety.

DISCLAIMER The Company has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions or dimension.

WARRANTY AND DISCLAIMER: Acme Engineering and Manufacturing Corporation extends this limited warranty to the original buyer and warrants that products manufactured by the Company shall be free from original defects in workmanship and materials for two years from date of shipment, provided same have been properly stored, installed, serviced, maintained and operated. This warranty shall not apply to products which have been altered or repaired without the Company's express authorization, or altered or repaired in any way so as, in the Company's judgment, to affect its performance or reliability, nor which have been improperly installed or subjected to misuse, negligence, or accident, or incorrectly used in combination with other substances. The Buyer assumes all risks and liability for results of use of the products. Warranties on purchased parts, such as but not limited to bearings, sheaves, belts, couplings, electric motors, pumps, controls and heaters are limited to the terms of warranty extended by our supplier. WARRANTY AND DISCLAIMER: Acme Engineering and

Polyethylene tubing and cooling pads are warranted to be free of defects in material and workmanship for a period of 90 days from date of shipment and a like warranty applies to the cross fluted cellular type cooling cells for a period of two years from date of shipment provided same have been properly handled, stored, installed, serviced, have been properly handled, stored, installed, serviced, maintained and operated. And further, not subjected to excessive heat, corrosive agents or chemicals, or mechanical abuse that may cause tearing, crushing or undue deterioration nor used on a system or in a manner other than that for which it was designed as explained in the product literature. the product literature.



ACME ENGINEERING AND MANUFACTURING CORPORATION P.O. Box 978 Muskogee, Oklahoma 74402 Telephone 918/682-7791 Fax 918/682-0134 www.acmeag.com www.acmehort.com acmeccm@thefanpeople.com

LIMITATION OF REMEDY AND DAMAGES: All claims LIMITATION OF REMEDY AND DAMAGES: All claims under this warranty must be made in writing and delivered to P. O. Box 978, Muskogee, Oklahoma, 74402, within 15 days after discovery of the defect and prior to the expiration of two years from the date of shipment by the Company of the product claimed defective, and Buyer shall be barred from any remedy if Buyer fails to make such claim within such period.

Within 30 days after receipt of a timely claim, the Company shall have the option either to inspect the product while in Buyer's possession or to request Buyer to return the product to the Company at Buyer's expense for inspection by the Company. The Company shall replace, or at its option repair, free of charge, any product it determines to be defective, and it shall ship the repaired or replacement product to Buyer F.O.B. point of shipment; provided, however, if circumstances are such as in the Company's judgment to prohibit repair or replacement to remedy the warranted defects, the Buyer's sole and exclusive remedy shall be a refund to the Buyer of any part of the invoice price, paid to the Company, for the defective product or part.

The Company is not responsible for the cost of removal of the defective product or part, damages due to removal, or any expenses incurred in shipping the product or part to or from the Company's plant, or the installation of the repaired or replaced product or part.

Implied warranties, when applicable, shall commence Implied warranties, when applicable, shall commence upon the same date as the express warranty provided above, and shall, except for warranties of title, extend only for the duration of the express warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. The only remedy provided to you under an applicable implied warranty and the express warranty shall be the remedy provided under the express warranty, subject to the terms and conditions contained therein. The Company shall not be liable for incidental and consequential losses and damages under the express warranty, any applicable implied warranty. or claims for neoligence, except to the implied warranty, or claims for negligence, except to the

extent that this limitation is found to be unenforceable under applicable state law. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state

No employee, agent, dealer, or other person is authorized to give any warranties on behalf of the Company or to assume for the Company any other liability in connection with any of its products except in writing and signed by an officer of the Company.

REPLACEMENT PARTS If replacement parts are ordered, buyer warrants that the original components in which these replacement parts will be placed are in satisfactory working condition, and when said replacement parts are installed, the resultant installation will operate in a safe manner, at speeds and temperatures for which the original equipment was purchased.

TECHNICAL ADVICE AND RECOMMENDATIONS,

DISCLAIMER: Notwithstanding any past practice or dealings or any custom of the trade, sales shall not include the furnishing of technical advice or assistance or system design. Any such assistance shall be at the Company's sole option and may be subject to additional charde

The Company assumes no obligation or liability on account of any recommendations, opinions or advice as to the choice, installation or use of products. Any such recommendations, opinions or advice are given and shall be accepted at your own risk and shall not constitute any warranty or guarantee of such products or their performance.

GENERAL In no event shall any claim for consequential damages be made by either party. The Company will comply with all applicable Federal, State, and local laws.