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FORM B73L
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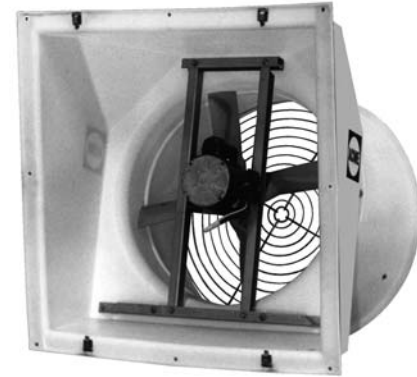
FANS

Master-Ex®

MODEL DDPG GALVANIZED AND MODEL DDPS STAINLESS STEEL



FRONT VIEW



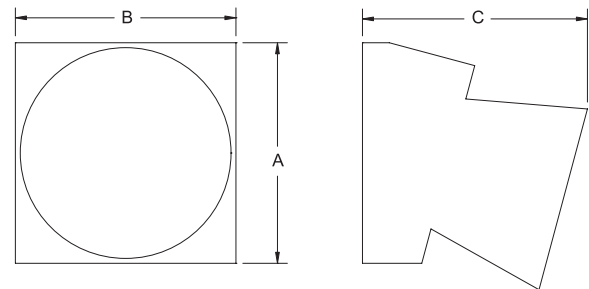
BACK VIEW

Combining the technology of the most efficient fans designed for agriculture and the corrosion resistance of plastics, the DDPG and DDPS perform in the toughest environments.

FEATURES

- **Housing** - Heavy gauge plastic and fiberglass provides strength and corrosion resistance while being easy to clean and mount. 14" thru 24" fans have plastic housing and diffuser. 36" thru 50" fans have fiberglass housing and plastic diffuser. The slant design on DDPG and DDPS models improves performance and assists run-off condensation.
- **Propeller** - Direct drive DDPS fan sizes 14" thru 36" feature stainless steel cambered twist blades riveted through the center eliminating stress. Belt drive DDPS 36" fans are available with either stainless steel or galvanized propellers.
- **Motor** - High efficiency motors are totally enclosed with shielded ball bearings for protection from the environment.
- **Frame** - Stainless steel provides a strong vertical support that aligns the propeller centered in the orifice for maximum performance.
- **Front Guard** - Heavy gauge and coated to prevent corrosion.
- **Shutter** - Unique design lowers resistance with preventing back drafts. Available in aluminum or plastic.
- **Air Diffuser** - Originally designed and introduced by Acme in 1979 in the Master-Ex line. Published performance for DDP and DDPS includes diffuser for accurate data - not estimated percentages.
- **Variable Speed** - All direct drive fans through size 36" (except Model DDPS36IG8-C) are suitable for variable speed with the proper controller. See brochure B113 for controllers.

| DDPG and DDPS FRAMING DIMENSIONS | | | | | | |
|----------------------------------|--------|------|--------|------|--------|------|
| FAN SIZE | A | | B | | C | |
| | IN | MM | IN | MM | IN | MM |
| DDP14 | 19 1/4 | 489 | 18 1/4 | 464 | 30 3/4 | 783 |
| DDP18 | 25 1/2 | 648 | 24 | 610 | 34 1/2 | 875 |
| DDP24 | 32 | 813 | 30 1/2 | 775 | 39 3/4 | 1011 |
| DDP36 | 46 1/4 | 1175 | 43 1/4 | 1099 | 48 1/3 | 1228 |
| DDPV50 | 53 | 1346 | 53 | 1346 | 44 1/2 | 1130 |
| DDPV54 | 56 1/2 | 1435 | 56 1/2 | 1435 | 48 1/2 | 1232 |



Every Acme Fan is backed by a full 2-year comprehensive product warranty. For a complete copy of the warranty statement, see form MS149 or write to Acme Engineering & Manufacturing Corp., P.O. Box 978, Muskogee, OK 74402.



In addition to Acme's standard 2-year comprehensive warranty, Acme offers a 5-year warranty on the shaft and bearing assembly in every Acme Fan.



Acme's corrosion resistant Master-Ex® DDP fans offer an additional lifetime warranty on the propeller, cone and housing.

DDPG AND DDPS PERFORMANCE DATA

| SINGLE PHASE | | | | | | | | | | | | | |
|--------------|------|-------------------------------------|------|------|-------|------|------|-------|------|------|-------|------|------|
| MODEL | HP | CFM VS. STATIC PRESSURE (INCHES WG) | | | | | | | | | | | |
| | | 0.00" | | | 0.05" | | | 0.10" | | | 0.15" | | |
| | | CFM | RPM | C/W | CFM | RPM | C/W | CFM | RPM | C/W | CFM | RPM | C/W |
| ◆DDPS14B4-C | 1/10 | 1720 | 1593 | 12.5 | 1620 | 1580 | 11.4 | 1500 | 1566 | 10.2 | 1280 | 1554 | 8.5 |
| ◆DDPS14D4-C | 1/5 | 2150 | 1642 | 9.2 | 2020 | 1638 | 8.5 | 1840 | 1635 | 7.7 | 770 | 1653 | 3.5 |
| ◆DDPS18B4-C | 1/10 | 2720 | 1478 | 16.3 | 2430 | 1449 | 13.9 | 2060 | 1412 | 11.3 | 1590 | 1374 | 8.4 |
| ◆DDPS18F4-C | 1/3 | 4180 | 1638 | 11 | 4000 | 1632 | 10.4 | 3810 | 1625 | 9.7 | 3610 | 1617 | 9.1 |
| ◆DDPS24G6-C | 1/2 | 7360 | 1097 | 14.4 | 6900 | 1091 | 13 | 6500 | 1086 | 12 | 6070 | 1080 | 10.8 |
| ◆DDPS36G8-C | 1/2 | 11090 | 853 | 22.6 | 10260 | 846 | 19.4 | 9460 | 840 | 17 | 8570 | 833 | 14.4 |
| ◆DDPS361G8-C | 1/2 | 11540 | 864 | 23.9 | 10780 | 861 | 21 | 9990 | 855 | 18.5 | 9340 | 852 | 16.4 |
| ◆DDPS36G-C | 1/2 | 13000 | 638 | 23.1 | 12410 | 636 | 20.8 | 11860 | 636 | 19.2 | 11180 | 635 | 17.4 |
| DDPSV50J1-C | 1 | 25900 | 481 | 24.4 | 24600 | 479 | 21.7 | 23400 | 477 | 19.7 | 22000 | 475 | 17.7 |
| DDPSV50J-C | 1 | 25300 | 463 | 24.9 | 23800 | 461 | 22 | 22600 | 449 | 20 | 20800 | 457 | 17.7 |
| DDPSV50J3-C | 1 | 25200 | 468 | 25.3 | 23900 | 468 | 22.9 | 22700 | 466 | 20.5 | 21200 | 465 | 18.5 |
| DDPSV50J3L-C | 1 | 21600 | 397 | 32.7 | 20100 | 397 | 28.3 | 18400 | 396 | 24.5 | 16200 | 396 | 20.8 |
| DDPSV50JL-C | 1 | 21400 | 389 | 31.7 | 19600 | 388 | 27.4 | 17900 | 387 | 24 | 15600 | 386 | 20.1 |
| DDPSV50K-C | 1 ½ | 27500 | 516 | 20.8 | 26500 | 516 | 18.9 | 25300 | 515 | 17.3 | 24000 | 514 | 15.8 |
| DDPGV50J1-C | 1 | 25700 | 480 | 23.5 | 24700 | 479 | 21.5 | 23500 | 477 | 19.5 | 22100 | 476 | 17.7 |
| DDPGV50J-C | 1 | 25300 | 460 | 22.3 | 24091 | 458 | 20.2 | 22942 | 457 | 18.5 | 21665 | 456 | 16.9 |
| DDPGV50J3-C | 1 | 25100 | 468 | 24.2 | 23900 | 467 | 21.9 | 22700 | 466 | 19.8 | 21400 | 465 | 18.1 |
| DDPGV50J3L-C | 1 | 21400 | 398 | 31 | 20100 | 396 | 27.7 | 18600 | 395 | 24.2 | 16600 | 395 | 20.9 |
| DDPGV50JL-C | 1 | 21300 | 382 | 30.3 | 19700 | 378 | 26.5 | 18000 | 378 | 23.3 | 15700 | 377 | 19.9 |
| DDPGV50K-C | 1 ½ | 27400 | 515 | 19.8 | 26400 | 514 | 18.1 | 25300 | 513 | 16.7 | 24200 | 512 | 15.4 |
| DDPGV54J-C | 1 | 27781 | 433 | 27.2 | 26298 | 431 | 23.9 | 24492 | 430 | 20.8 | 22185 | 427 | 17.7 |
| DDPGV54K-C | 1 ½ | 30537 | 481 | 23 | 29389 | 480 | 20.9 | 27911 | 479 | 18.9 | 26211 | 478 | 16.8 |
| THREE PHASE | | | | | | | | | | | | | |
| DDPSV50J-C | 1 | 25200 | 463 | 26.2 | 23900 | 462 | 23.4 | 22400 | 460 | 21 | 20800 | 459 | 18.9 |
| DDPSV50JL-C | 1 | 21200 | 387 | 33.5 | 19700 | 386 | 29.5 | 17800 | 385 | 25.6 | 15400 | 383 | 21.1 |
| DDPSV50K-C | 1 ½ | 27000 | 502 | 22.1 | 26000 | 501 | 20.2 | 24700 | 500 | 18.5 | 23300 | 498 | 16.8 |
| DDPGV50J-C | 1 | 25300 | 458 | 24.3 | 24100 | 458 | 22 | 22800 | 457 | 20.1 | 21400 | 457 | 18.3 |
| DDPGV50JL-C | 1 | 21200 | 382 | 31.4 | 19800 | 383 | 27.8 | 18200 | 381 | 24.4 | 15700 | 380 | 20.8 |
| DDPGV50K-C | 1 ½ | 27200 | 497 | 20.3 | 26100 | 496 | 18.9 | 25000 | 495 | 17.4 | 23700 | 494 | 16 |
| DDPGV54J-C | 1 | 27464 | 428 | 27.5 | 26019 | 427 | 24.4 | 24103 | 425 | 21.1 | 22018 | 423 | 18.3 |
| DDPGV54K-C | 1 ½ | 30615 | 481 | 22.2 | 29418 | 480 | 20.3 | 27913 | 478 | 18.3 | 26210 | 477 | 16.4 |

◆Direct Drive Fans

Performance shown is from test performed at Bess Labs for all DDPG and DDPS fans except for DDPV50 size.

Performance shown is for 14" through 50" units with aluminum shutter, diffuser and outlet guard.

**RPM shown is nominal and the performance shown is based on actual speed of test.

(C/W) CFM per Watt ratings shown are in accordance with the AMCA Recommended Method of Publishing CFM per Watts Ratings

ACCESSORIES: These optional accessories are available to assist and enhance installation, adapt for a particular application and maintain highly efficient operation.

ALUMINUM SHUTTERS

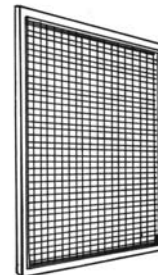


- All Aluminum Construction
- Counter Balanced Blades
- Nylon Bearing
- Stainless Steel Hinge Pins
- Low Air Resistance
- Reduces Sticking in Dusty and Moist Conditions



PLASTIC SHUTTERS

- All Plastic Construction
- Corrosion Resistant
- Constructed of U.V. Stabilized PVC
- Nylon Pivot Points



GS INLET GUARD

- Heavy Gauge Galvanized ½" x 1" Mesh
- Aluminum Frame
- Complies with OSHA Regulations

and were derived by using the actual motor horsepower at given static pressure.

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.