All aluminum construction.

Six-bladed propeller utilizing a cambered-twist blade design 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.

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.

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.
## DCA PERFORMANCE DATA

### DCA PERFORMANCE DATA

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

### CERTIFIED CFM VS. STATIC PRESSURE (INCHES WG)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>HP</th>
<th>RPM</th>
<th>100°</th>
<th>125°</th>
<th>150°</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>CFM</td>
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<td></td>
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<td>BHP</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CW</td>
<td>CW</td>
<td>CW</td>
</tr>
</tbody>
</table>

### 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.

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Acme Engineering and Manufacturing Corporation certifies that the Windmaster DCA fan shown hereon is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.
**Two-Speed DCA Performance Data**

**Fan Mounted in WS Slant Wall Housing with Inlet Shutter, Guard and Outlet Guard**

<table>
<thead>
<tr>
<th>FAN MODEL</th>
<th>RPM</th>
<th>CFM</th>
<th>BHP</th>
<th>CW</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCA240-2S-D</td>
<td>575</td>
<td>5024</td>
<td>19.5</td>
<td>15</td>
</tr>
<tr>
<td>DCA241-2S-D</td>
<td>675</td>
<td>4127</td>
<td>13.1</td>
<td>11</td>
</tr>
<tr>
<td>DCA300-2S-D</td>
<td>675</td>
<td>4127</td>
<td>13.1</td>
<td>11</td>
</tr>
<tr>
<td>DCA360-2S-D</td>
<td>675</td>
<td>4127</td>
<td>13.1</td>
<td>11</td>
</tr>
<tr>
<td>DCA420-2S-D</td>
<td>675</td>
<td>4127</td>
<td>13.1</td>
<td>11</td>
</tr>
<tr>
<td>DCA480-2S-D</td>
<td>675</td>
<td>4127</td>
<td>13.1</td>
<td>11</td>
</tr>
<tr>
<td>DCA540-2S-D</td>
<td>675</td>
<td>4127</td>
<td>13.1</td>
<td>11</td>
</tr>
</tbody>
</table>

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

**Fan Mounted in WS Wall Housing with Inlet Shutter, Guard and Outlet Guard**

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</table>

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

**Model WS Slant Wall Housing**

- Slant arrangement protects motor and drives from weather.
- Constructed of heavy gauge galvanized steel or aluminum.
- High air flow capacity - shutter directs air to fan.
- Select fan at .05" sp. instead of .10".
- Includes guard on outlet side.
- Shutter and inlet guard held in place by quick release clips.
- Wiring knockout allows wiring connections inside building.
Discharge Air Diffuser Cone

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

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

### Guards
- Galvanized heavy gauge welded wire in aluminum frames.

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

#### 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 dimensions.

#### 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 material for two years from date of shipment, provided same have been properly stored, installed, serviced, maintained and operated. This warranty shall not apply to any product which have been altered or repaired without the Company's express authorization or altered 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, 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 controls are limited to the terms of warranty extended by our supplier.

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 cell type cooling cells for a period of two years from date of shipment provided same 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 leaching, 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.

#### 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 one (1) year 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 accept 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 determined to be defective, and it shall repair the replacement 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 defect, 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 appraising the product or part or from the Company's plant, or the installation of the repaired or replaced product or part.

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 by 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 any other loss 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.

#### 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.

#### 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. If these recommendations 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 injury.

#### WARNING:
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#### DISCLAIMER:
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.

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**ACME ENGINEERING AND MANUFACTURING CORPORATION**

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Fax 918-682-0134
www.acmeag.com
acmemc@thefanpeople.com

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**OSHACodesandobtainaquotation.**

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