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**GUIDE SPEC**  
**GS-730**  
**June 2007**

## SPECIFYING MODEL NYCDC DIRECT DRIVE PROPELLER FANS

### GENERAL

Fans shall be direct drive propeller as offered by The New York Blower Company. Unless otherwise directed, fans shall be in compliance with the layout shown on the drawings.

### PERFORMANCE

Fan ratings shall be based on tests made in accordance with AMCA Standard 210 and licensed to bear the AMCA Certified Ratings Seal for Air Performance. Fans not licensed to bear the AMCA Seal shall be tested at supplier's expense, in an accredited AMCA laboratory. (Option: Only AMCA certified fans will be accepted.) Fan brake horsepower shall be equal to or less than the BHP specified in the schedule at the listed static pressure and CFM.

### SOUND

Sound ratings shall be based on tests made in accordance with AMCA Standard 300 and licensed to bear the AMCA Certified Ratings Seal for Sound. Tests shall be performed in an accredited AMCA laboratory. Fans not licensed to bear the AMCA Seal shall be tested at the supplier's expense, in an AMCA Registered Laboratory. (Option: Only AMCA certified fans will be accepted.)

### CONSTRUCTION

Fan panels and structural angle supports are to be heavy gauge, welded steel with recessed venturi inlet (except Size 18) for most efficient performance. Propellers are to be heavy duty, cast aluminum adjustable pitch airfoil blades securely attached to a heavy cast aluminum hub. Propellers are to be mounted directly to the motor shaft for ease of maintenance, longer operating life, and reduced operating cost.

### PAINT

All steel surfaces are processed through a five-stage pre-treatment system prior to applying an epoxy powder coating - average 3 mil thickness, baked at 400°F. Surfaces of bolted components not accessible after assembly shall be coated and baked prior to final assembly. Primer only will not be accepted.

### BALANCE

All fan wheels shall be dynamically balanced prior to assembly.

### ACCESSORIES

Accessories shall be provided as called for in the plans and specifications. Required accessories include:

- |                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Application      | <input type="checkbox"/> Electric Motor |
| Exhaust                                   | Totally Enclosed                        |
| Supply                                    | Single Phase                            |
| <input type="checkbox"/> Wall Shutters    | Three Phase                             |
| Automatic (Exhaust                        | <input type="checkbox"/> Delay Switch   |
| Only)                                     | <input type="checkbox"/> Wall Housing   |
| Motorized                                 | Assembled                               |
| Economy (Exhaust Only)                    | Knocked Down                            |
| Manual (Exhaust Only)                     |                                         |
| <input type="checkbox"/> Safety Equipment |                                         |
| Shutter Bird Guard                        |                                         |
| Motor Side Guard                          |                                         |
| Front Side Guard                          |                                         |

### FINAL INSPECTION

All fans shall receive a final inspection by a qualified inspector prior to shipment. Inspection to include: fan description and accessories, balance, welding, dimensions, bearings, connection points, paint finish and overall workmanship.

### REQUIRED SPECIFYING INFORMATION

Model \_\_\_ Direct Drive Propeller Fan, \_\_\_ Supply or Exhaust, \_\_\_ CFM, \_\_\_" SP, with \_\_\_ HP, \_\_\_ RPM, \_\_\_-\_\_\_-\_\_\_/\_\_\_v., (Enclosure) motor. Specify accessories as required.

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