



THE NEW YORK BLOWER COMPANY
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GUIDE SPEC
GS-732
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SPECIFYING MODEL NYCAB AND NYCB BELT DRIVE PROPELLER FANS

GENERAL

Fans shall be belt 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 for most efficient performance. Propellers are to be heavy duty die-formed steel blades firmly attached to a cast aluminum hub, which also serves as the driven sheave for maximum performance. Fans shall utilize a fixed shaft design with integral drive sheave/wheel hub assembly eliminating overhung bearing load. Bearings shall be sealed and permanently lubricated with an L-10 life of 300,000 hours. Motor pulley shall be variable pitch.

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 (with Wall Housing) | Single Phase |
| | Three Phase |
| <input type="checkbox"/> Safety Equipment | <input type="checkbox"/> Two Speed/Two Winding |
| Shutter Bird Guard | |
| Motor Side Guard | <input type="checkbox"/> Wall Housing |
| Front Side Guard | Assembled |
| <input type="checkbox"/> Delay Switch | Knocked Down |
| <input type="checkbox"/> Shutters | <input type="checkbox"/> Disconnect Switch |
| Automatic (Exhaust Only) | |
| Motorized | |
| Economy (Exhaust Only) | |
| Manual (Exhaust Only) | |

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 ___ Belt Drive Propeller Fan, ___ Supply or Exhaust ___ CFM, ___" SP, ___ RPM, ___ BHP at 70°F. and Sea Level with ___ HP, ___ RPM, ___-___-___/___ v., (Enclosure) motor. Specify accessories as required.