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**GUIDE SPEC**  
**GS-750**  
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## SPECIFYING CENTRIFUGAL ROOF VENTILATORS

### GENERAL

Centrifugal Roof Ventilators shall be as offered by The New York Blower Company. Unless otherwise directed, units shall be in compliance with the layout shown on the drawings.

### PERFORMANCE

Performance 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. Ventilators not licensed to bear the AMCA Seal shall be tested at supplier's expense, in an accredited AMCA laboratory. (Option: Only AMCA certified ventilators will be accepted.) Ventilator 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. Ventilators not licensed to bear the AMCA Seal shall be tested at the supplier's expense, in an accredited AMCA laboratory. (Option: Only AMCA certified ventilators will be accepted.)

### CONSTRUCTION

Curb cap shall have integral deep spun inlet for efficient performance and prevention of leakage into duct work. Housing and curb cap shall be constructed of aluminum for corrosion resistance and minimum maintenance. Wheel shall be non overloading, backward inclined for efficiency at higher static pressure. Disconnect switch shall be furnished as standard (not furnished with two speed or explosion proof motors). Motor compartment shall isolate motor from the exhaust air and be easily accessible for maintenance. Neoprene isolators shall be furnished to reduce vibration and sound levels.

Belt drive units shall include heavy duty cast pillow block ball bearings pre-lubricated with zerk fitting and designed for 200,000 hour average life. Drives shall be sized for minimum safety factor of 150% and utilize non-static oil resistant belts.

### BALANCE AND RUN TEST

Ventilator wheels are statically and dynamically balanced for smooth, quiet operation. Units receive a final run test prior to shipment.

### ACCESSORIES

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

- |   |   |
|---|---|
| <input type="checkbox"/> Application Exhaust                      | <input type="checkbox"/> Electric Motor Open Drip Proof   |
| <input type="checkbox"/> 115v. Variable Speed Control (SDBD/STXD) | <input type="checkbox"/> Explosion Proof Totally Enclosed |
| <input type="checkbox"/> Listings UL 705 (STXB/STXD)              | <input type="checkbox"/> Automatic Backdraft Damper       |
| <input type="checkbox"/> UL/CSA/NRTL (SDBD)                       | <input type="checkbox"/> Motorized Backdraft Damper       |
| <input type="checkbox"/> Epoxy Gray Coating                       | <input type="checkbox"/> High Pressure Wheel (STXB)       |
| <input type="checkbox"/> Heresite Coating                         | <input type="checkbox"/> Transformer                      |
| <input type="checkbox"/> 8" Roof Curb                             | <input type="checkbox"/> Curb Cap Adaptor                 |
| <input type="checkbox"/> 12" Roof Curb                            | <input type="checkbox"/> Disconnect Switch                |
| <input type="checkbox"/> Insect Screen                            |   |
| <input type="checkbox"/> Bird Screen                              |   |

### FINAL INSPECTION

All Centrifugal Roof Ventilators shall receive a final inspection by a qualified inspector prior to shipment. Inspection to include: ventilator description and accessories, balance, welding, dimensions, bearings, connection points, and overall workmanship.

### REQUIRED SPECIFYING INFORMATION

Model \_\_\_\_ Centrifugal Roof Ventilator, \_\_\_\_ CFM, \_\_\_\_" SP, \_\_\_\_RPM, \_\_\_\_ BHP at 70°F. and Sea Level with \_\_\_\_ HP, \_\_\_\_ RPM \_\_\_\_-\_\_\_\_-\_\_\_\_/\_\_\_\_v., (Enclosure) motor. Specify accessories are required.