Product Features

Vacuum Producer
- Vortex® regenerative
- Single stage direct drive
- Upblast exhaust with diffuser
- Vacuum relief valve
- Average sound level: 82 dBA at 3 ft.
- Factory performance tested

Motor
- 4, 5 or 7½ HP, 3500 rpm
- 200-230/460 or 575 volt, 3 phase, 60 Hz
- TEFC enclosure
- Bearing life: 100,000 hours (L-10)

Separator
- Tubular bag separator, shaker type – 24" diameter
- Multiple inverted filter bags: Quantity 10
- Filter bag area: 18 sq. ft.
- Filter bag material: cotton sateen (Part No. BVA90225)
- Filter bag diameter: 5" (Cat. No. 5250-N)
- External manual bag shaker
- Large, hinged inspection door
- Removable dirt can, cam actuated, capacity: 2½ cu. ft.
- Average filtration efficiency: 99.9% at 3 microns

Dual axial inlets with target plate:
- Stationary: primary inlet – 2½" tubing with sleeve secondary inlet – inlet valve (Part No. VLV90083) for 1½" diameter hose – 7½ HP only
- Mobile: one inlet valve (Part No. VLV90083)
  for 1½" diameter hose
  two inlet valves (Part No. VLV90083)
  for 1½" diameter hose – 7½ HP only

Base
- Stationary: integral frame with mounting pads and tool tray
- Mobile: integral frame with tool tray rubber wheels and swivel locking caster NEMA 1 across-the-line starter
  50 ft. electrical cable

Available Options
- Explosion-proof motors
- NEMA 4, 7 and 9 starter enclosures
- Grounded filter bags
- Additional filter bag materials
- HEPA final filter
- Dirt can liner with equalizing line
- Inlet valve (Part No. VLV90100) for 2" diameter hose – 7½ HP only
- Rear primary inlet position

Performance Data

<table>
<thead>
<tr>
<th>Volume (SCFM)</th>
<th>Vacuum (in. Hg)*</th>
<th>Motor HP</th>
<th>Catalog Number Stationary</th>
<th>Catalog Number Mobile</th>
<th>Shipping Weight (lb.)</th>
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<tbody>
<tr>
<td>70</td>
<td>4.8/4.3</td>
<td>4</td>
<td>SAA138.330</td>
<td>PAA138.330</td>
<td>640</td>
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<tr>
<td>85</td>
<td>5.0/4.5</td>
<td>5</td>
<td>SAA138.337</td>
<td>PAA138.337</td>
<td>670</td>
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<tr>
<td>150</td>
<td>5.2/4.7</td>
<td>7½</td>
<td>SAA138.355</td>
<td>PAA138.355</td>
<td>700</td>
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</table>

Performance based on 70 °F inlet temperature at sea level.
*Ratings at vacuum producer inlet/separator inlet.

Materials of Construction
- Base, separator and dirt can: ASTM A1011 hot-rolled steel
- Impeller: Alloy 360 aluminum
- Finish: Epoxy primer with Spencer blue urethane topcoat
### Performance Data

<table>
<thead>
<tr>
<th>Volume (SCFM)</th>
<th>HP</th>
<th>RPM</th>
<th>Area: 18 sq. ft.</th>
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<table>
<thead>
<tr>
<th>Vacuum (In. Hg)</th>
<th>Voltage</th>
<th>Phase</th>
<th>Hz</th>
<th>Bag Quantity: 10</th>
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<tr>
<th>Discharge Pressure (PSIA)</th>
<th>Bag Catalog No.: 5250-N</th>
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<table>
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<tr>
<th>Inlet Temperature (°F)</th>
<th>Bag Material:</th>
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### Motor Data

<table>
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<th>Motor Data</th>
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<td>HP</td>
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</table>

### Separator Filter Data

- Bag Quantity: 10
- Bag Catalog No.: 5250-N
- Bag Material:

Spencer may make improvements and dimensional changes to equipment designs based on market trends and requirements.

For product selection assistance, please email marketing@spencer-air.com or visit our website at www.spencerturbine.com to locate the Spencer representative in your area.

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