CarVac™ Series E Vacuum Producer and Separator components interconnected with piping. (Note: Components ship in (3) pieces.)

### Number of Operators

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Numbers of Operators</th>
<th>Motor HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE410-C</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>SE415-C</td>
<td>6</td>
<td>15</td>
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<td>SE420-C</td>
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<td>20</td>
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<td>SE510-C</td>
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<td>15</td>
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<td>SE520-C</td>
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<tr>
<td>SE615-C</td>
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<tr>
<td>SE625-C</td>
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<td>25</td>
</tr>
</tbody>
</table>

Performance based on 70 °F inlet temperature at sea level.

*Based on 100 SCFM/Operator with 1½” diameter x 15 feet hose.

### Materials of Construction

- Casing, separator, base: ASTM A1011 hot-rolled steel
- Impellers: 5052-H34 aluminum
- Shaft: AISI-1045 hot-rolled bar steel
- Removable debris receptacle: High density polyethylene
- Finish: Epoxy primer with Spencer blue urethane topcoat

### Product Features

#### Vacuum Producer
- Multistage centrifugal
- Standard overhung direct drive
- Bottom exhaust with silencer (Patent No. 4,874,410)
- Average sound level from 84 dBA at 3 feet
- Factory performance tested

#### Motor
- 10, 15, 20 or 25 HP, 3500 rpm
- 200-230/460 or 575 volt, three phase, 60 Hz
- TEFC
- Bearing life: 100,000 hours (L-10)

#### Separator
- Tubular bag separator, shaker type: 30” diameter
- Multiple-inverted filter bags: Quantity 12
- Filter bag area: 56.5 sq. ft
- Filter bag material: cotton sateen (P/N BVA90051)
- Filter bag diameter: 6” (Cat. No. 6445-N)
- Internal manual bag shaker
- Large, hinged inspection door (accepts padlock)
- Removable debris receptacle, capacity: 2.6 cu. ft.
  (small hinged access door accepts padlock)
- Average filtration efficiency: 99.9% at 3 microns
- Axial inlets with target plate:
  primary inlet – 5” tubing with sleeve
  secondary inlet – inlet valve
  (P/N VLV90083) for 1½” diameter hose
- Interconnecting kit (P/N KIO90021): (2) 90° mitered elbows (P/N ELT90689) and (3) rubber sleeve/clamp kits
  (P/N KAC90062)

### Available Options

- Explosion-proof and premium efficiency motors
- NEMA 4, 7 and 9 starter enclosures
- Grounded filter bags
- Other filter bag materials
- Inlet valve (P/N VLV90100) for 2” diameter hose
- Island adapter kit (P/N PLT90023)
- Bottom discharge conversion adapter to change to 6” tube horizontal on motor end (P/N KAC90267)
CarVac™ Series E Component Models
Vacuum Producer | Separator | Interconnecting Kit

Dimensions: Shown in inches / (mm)

Performance Data | Motor Data | Separator Filter Data
--- | --- | ---
Number of Operators | HP | RPM | Area: 56.5 sq. ft.
Catalog No. | Voltage | | Bag Quantity: 12
Discharge Pressure (PSIA) | Phase | Hz | Bag Catalog No.: 6445-N
Inlet Temperature (°F) | Enclosure | | 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.