

Spencer® *Technical Data Sheet*



Performance Data

Volume (SCFM)	Vacuum (In. Hg)	Motor HP	Catalog Number		Shipping Weight (lb.)
			Stationary	Portable	
110	6.0	5	SA-505A	PA-505A	865
120	7.9	7½	SA-707A	PA-707A	950
175	6.9	7½	SA-607A	PA-607A	940
155	4.6	5	SA-405A	PA-405A	855
220	7.8	10	SA-710A	PA-710A	950
250	5.6	7½	SA-507A	PA-507A	930
290	6.5	10	SA-610A	PA-610A	940
340	4.0	7½	SA-407A	PA-407A	920

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

Materials of Construction

- Casing, separator, base, dirt can: ASTM A569 hot-rolled steel
- Impellers: 5052-H34 aluminum
- Shaft: AISI-1045 hot-rolled bar steel
- Finish: epoxy primer with Spencer blue urethane topcoat

Industravac® Series A, Stationary and Portable Models

Vacuum Producer

- Multi-stage centrifugal
- Standard overhung direct drive
- 6 in. tubing upblast exhaust (diffuser on portable)
- Average sound pressure level: 79 dBA at 3 feet
- Factory performance tested

Motor

- 5, 7½, or 10 HP, 3500 rpm
- 230/460 volt, 3 phase, 60 Hz
- Open drip-proof
- Bearing life: 100,000 hours (L-10)

Separator

- Tubular bag separator, shaker type: 24 in. dia.
- Multiple inverted filter bags: Quantity 10
- Filter bag area: 39 sq. ft
- Filter bag material: cotton sateen (Part No. BVA90061)
- Filter bag diameter: 5 in. (Cat. No. 5445-N)
- External manual bag shaker
- Large, hinged inspection door
- Removable dirt can, cam actuated, capacity: 2¼ cu. ft.
- Average filtration efficiency: 99.9% at 3 microns
- Dual axial inlets with target plate:
 - Stationary: ■ primary inlet— 4 in. tubing with sleeve
 - secondary inlet— inlet valve (Part No. VLV90083) for 1½ in. diameter hose
 - Portable: ■ two inlet valves (Part No. VLV90083) for 1½ in. diameter hose

Base

- Stationary: ■ common frame with mounting pads
- Portable: ■ large molded rubber tires
- NEMA 1 across-the-line starter
- 50 ft. electrical cable

Available Options

- TEFC and explosion-proof motors
- Special motor voltages
- NEMA 4, 7, and 9 starter enclosures
- Grounded filter bags
- Cotton twill (Part No. BVA90062) or other filter bag materials
- Dirt can liners (with equalizing line)
- Discharge silencer
- Discharge throttling valve
- Inlet valve (Part No. VLV90100) for 2 in. diameter hose
- 4 in. threaded inlet to accommodate larger than 2 in. valve
- Rear primary inlet position
- Explosion Relief Bung
- Motorized Bag Shaker

Industravac®

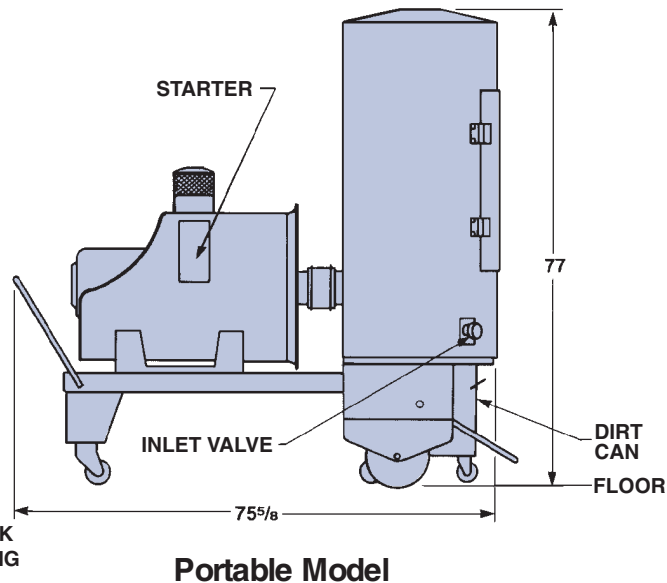
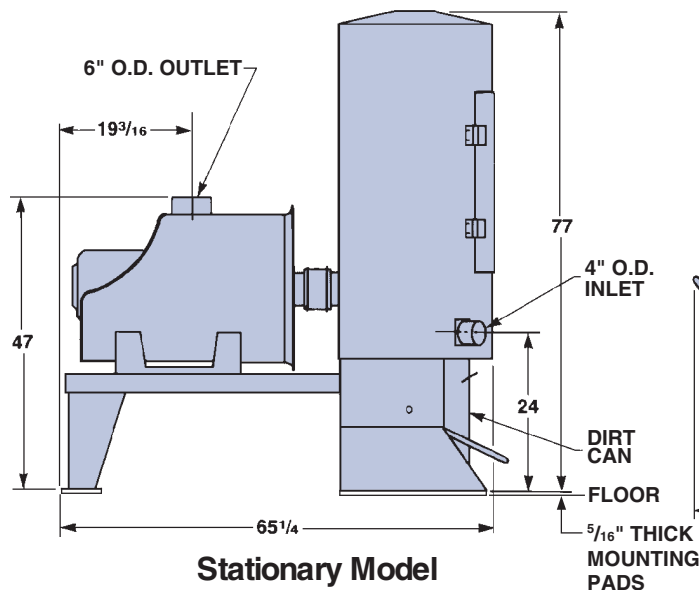
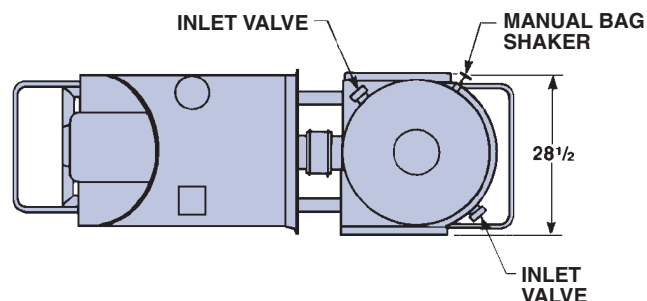
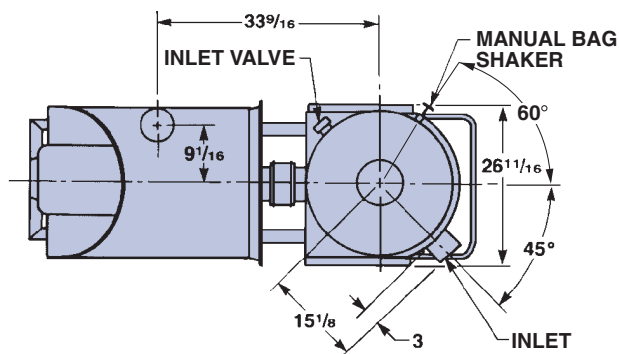
Series A

Dimensions All dimensions are in inches

☐ Certified

☐ Preliminary

Installation _____
 Customer _____
 Customer Order No. _____
 Spencer Machine No. _____
 Catalog No. _____
 By _____ Date _____



Performance Data

Volume (SCFM) _____
 Vacuum (In. Hg) _____
 Discharge Pressure (PSIA) _____
 Inlet Temperature (°F) _____

Motor Data

HP _____ RPM _____
 Voltage _____
 Phase _____ Hz _____
 Enclosure _____

Separator Filter Data

Area: 39 sq. ft.
 Bag Quantity: 10
 Bag Catalog No.: 5445-N
 Bag Material: _____



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