



Performance Data

Volume (SCFM)	Vacuum (In. Hg)	Motor Hp	Catalog Number	Shipping Weight (lb.)
740	7.6	30	SD-430B	2000
820	8.9	40	SD-540B	2050
1000	5.0	25	SD-325B	1950
1080	6.8	40	SD-440B	2030

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

Materials of Construction

- Casing, separator, base, dirt can: ASTM A1011 hot-rolled steel
- Impellers: 5052-H34 aluminum
- Shaft: AISI-1045 hot-rolled bar steel
- Finish: epoxy primer with Spencer blue urethane topcoat

Product Features

Vacuum Producer

Multistage centrifugal
Standard overhung direct drive
8" flanged upblast exhaust
Average sound pressure level: 85 dBA at 3 ft.
Factory performance tested

Motor

25, 30 or 40 HP, 3500 rpm
208-230/460 volt, 3 phase, 60 Hz
Open drip-proof
Bearing life: 100,000 hours (L-10)

Separator

Tubular bag separator, shaker type: 36" diameter
Multiple inverted filter bags: Quantity 24
Filter bag area: 129 sq. ft.
Filter bag material: cotton sateen (Part No. BVA90044)
Filter bag diameter: 5" (Cat. No. 5575-N)
External manual bag shaker
Large, hinged inspection door
Removable dirt can, cam actuated, capacity: 7½ cu. ft.
Average filtration efficiency: 99.9% at 3 microns
Dual axial inlets with target plate:
primary inlet – 6" tubing with sleeve
secondary inlet – inlet valve (Part No. VLV90083)
for 1½" diameter hose

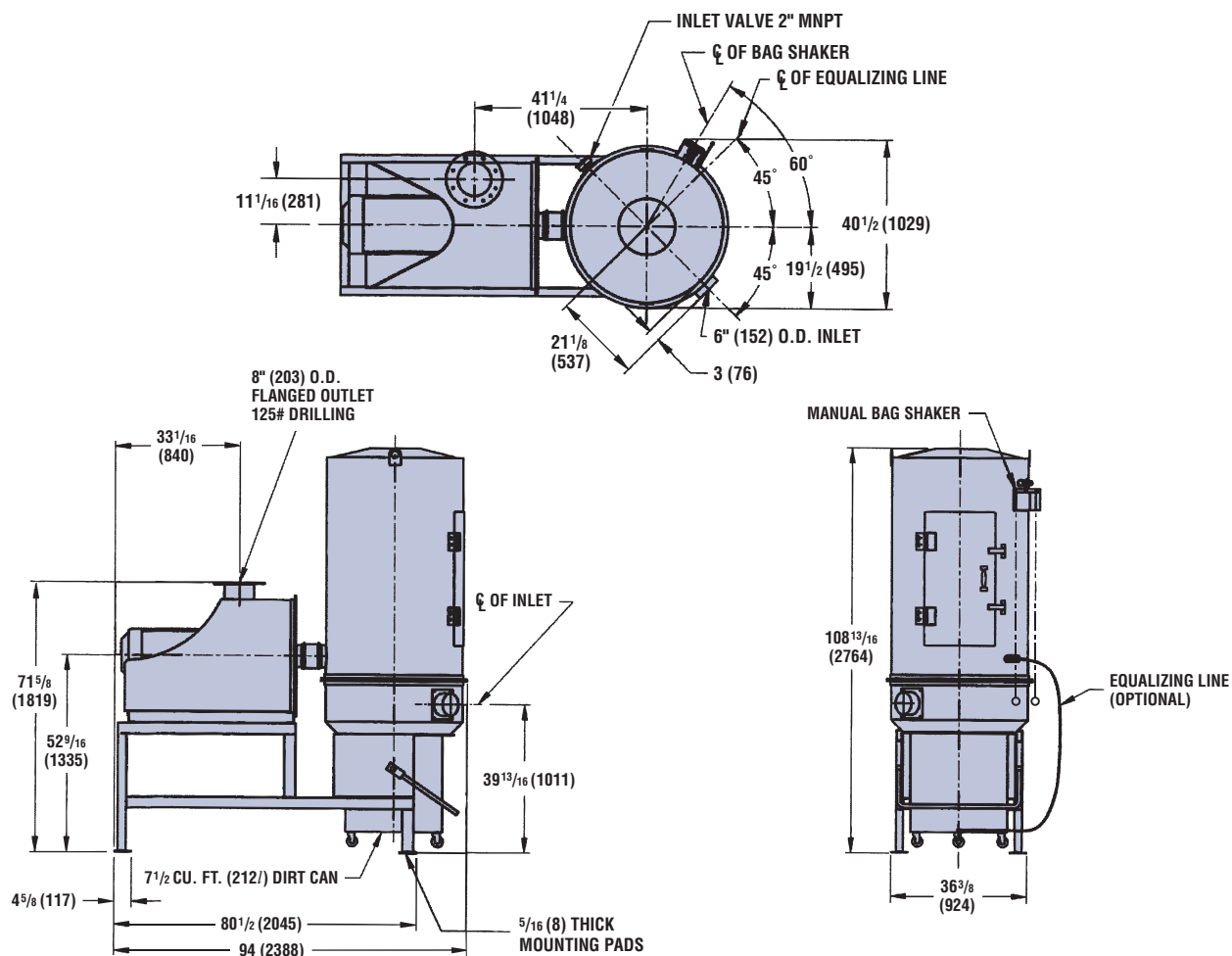
Base

Stationary: common frame with mounting pads

Available Options

TEFC and explosion-proof motors
Special motor voltages
NEMA 4, 7 and 9 starter enclosures
Grounded filter bags
Other filter bag materials
Dirt can liners (with equalizing line)
Discharge silencer
Discharge throttling valve
Inlet valve (Part No. VLV90100) for 2" diameter hose
4" threaded inlet to accommodate larger than 2" valve
Motorized bag shaker
Explosion relief vent
Rear primary inlet position

Stationary Model



Performance Data	Motor Data	Separator Filter Data
Volume (SCFM) _____	HP _____ RPM _____	Area: 129 sq. ft. _____
Vacuum (In. Hg) _____	Voltage _____	Bag Quantity: 24 _____
Discharge Pressure (PSIA) _____	Phase _____ Hz _____	Bag Catalog No.: 5575-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.

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