

Vacuum Blower Package

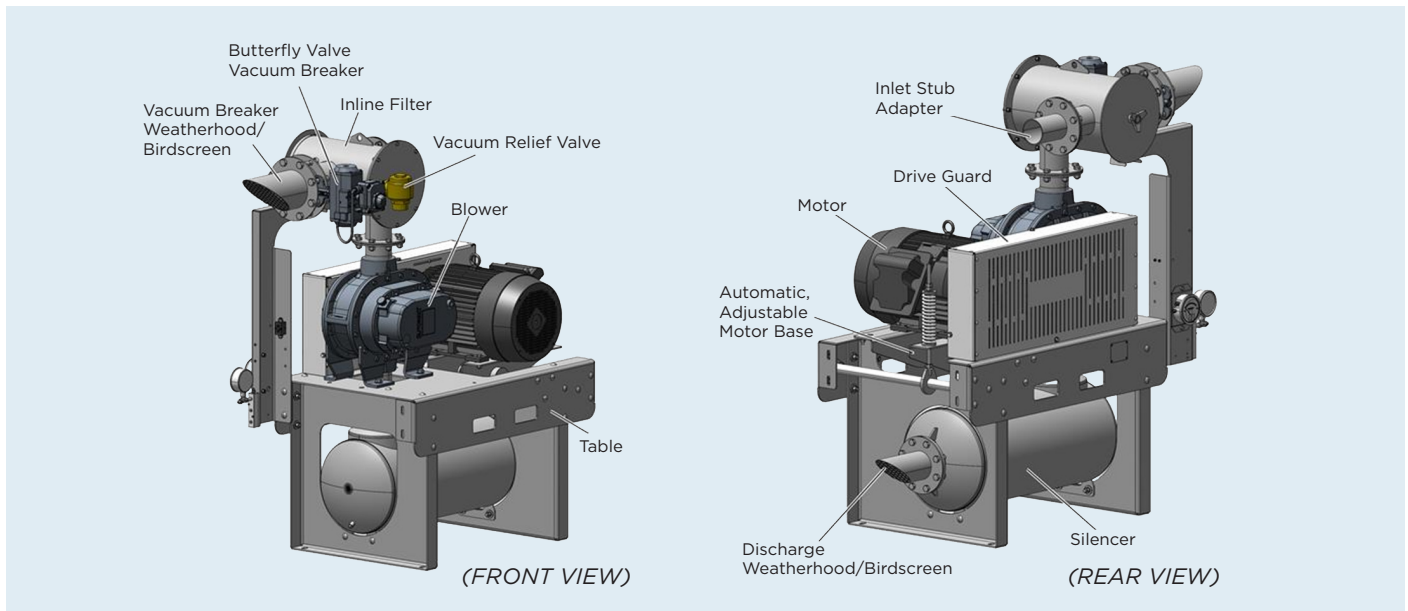


PRODUCT OVERVIEW AND CONSTRUCTION

Our standard blower package offerings cover a wide range of airflows, meeting most pneumatic conveying requirements, from as low as approximately 170 to 4247 m³/hr [100 to 2500 ICFM] or more. The vacuum blower package consists of an inline filter, vacuum breaker, blower, vacuum relief valve, liquid filled differential pressure and vacuum gauge, aluminum drive guard, premium discharge silencer, and automatic adjustable motor base, which are all mounted on a urethane painted carbon steel table.

KEY APPLICATIONS

The Vacuum Blower Package is intended to be used for all pneumatic conveying applications, including plastics, chemicals, minerals, battery, food, pet food and pharmaceutical. For food processing applications, ensure that the blower package is located away from food production areas (such as outside the building), as the package itself is not hygienic; and should not be exposed to product contact. This is consistent with most food processing blower package installations.



AVAILABLE OPTIONS

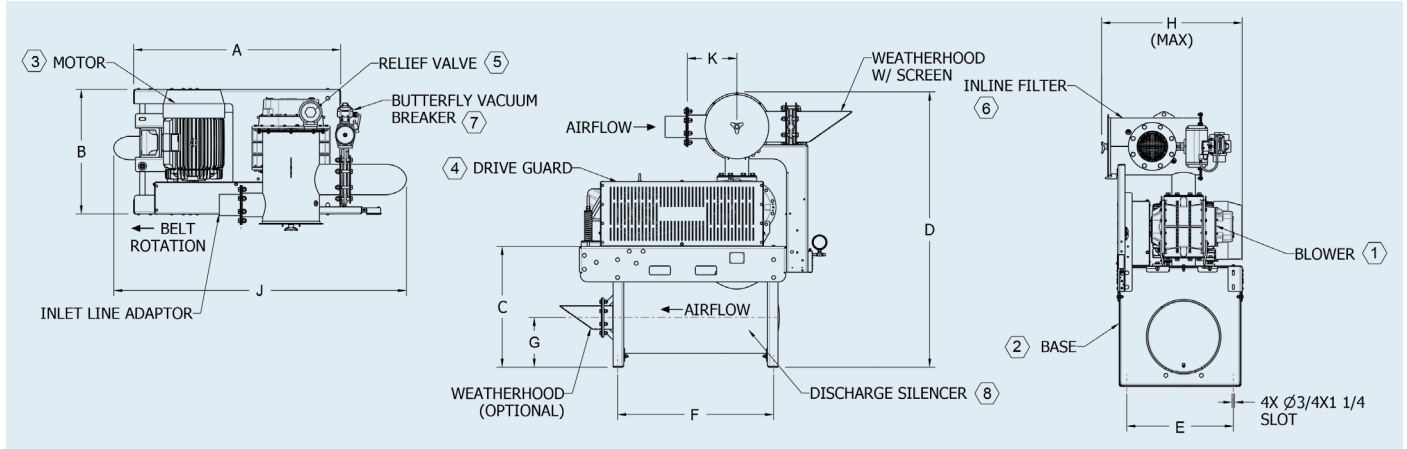
The Vacuum Blower Package can incorporate a variety of optional specifications and equipment including the following:

- Intake and outlet piping and line adapter size
- Sutorbilt, Heliflow, Duroflow and Roots* positive displacement blowers available
- IEEE 841 and explosion proof motors
- Optional vacuum switches or transmitters
- Epoxy and high temperature paint
- NEMA 4/4X and/or NEMA 7/9 for instrumentation and valves
- Control voltages for instrumentation and valves
- Discharge weather hood with screen
- Side or top inlet inline filter
- Paper or polyester cartridge filter elements

Note: Blower package is for sale in the Americas, not CE compliant.

* Sutorbilt, Heliflow and Duroflow are trademarks of Gardner Denver; Roots is a trademark of the Roots Blowers Company.

DIMENSIONS mm [in]



1. Positive displacement blower
2. Bolted together blower base
3. 230/460 volts, 60Hz, 3 phase 1750 RPM motor
4. Aluminum drive guard w/slotted front
5. Vacuum relief valve(s)
6. Inline air filter complete with: replaceable filter element and differential pressure gauge
7. Vacuum breaker requires: 100 PSIG clean, dry air and 120 volts, 60 Hz, 1 phase power (solenoid is de-energized to draw free air)
8. Chamber / absorption style discharge silencers

ADDITIONAL SPECIFICATIONS:

- V-belt drive
- Automatic spring tensioning motor base
- 102mm [4"] liquid filled vacuum gauge
- Also available with optional vacuum switches or transmitters
- Exterior welds continuous where possible and cleaned free of weld slag and spatter
- Interior plenum welds are skip welded (non-continuous) and cleaned free of weld slag and spatter
- Exterior painted urethane paint (RAL9003 signal white)
- Surface preparation: SSPC-SP1 and SSPC-SP2
- All openings to be covered prior to shipment
- Gaskets or silicone caulk required

BLOWER MANUFACTURER	BLOWER MODEL	SILENCER SIZE mm [in]	A mm [in]	B mm [in]	C mm [in]	D mm [in]	E mm [in]	F mm [in]	G mm [in]	H mm [in]	J mm [in]	K mm [in]	WEIGHT Kg [lbs]
SUTORBILT	3M	50.8 [2]	1051 [41.38]	660 [26]	559 [22]	1302 [51.25]	533 [21]	751 [29.56]	203 [8]	835 [32.88]	1443 [56.81]	305 [12]	399 [880]
	3H					1329 [52.31]							386 [850]
	4H					1372 [54]							413 [910]
	3L	76.2 [3]	1249 [49.19]	584 [23]	678 [26.69]	1441 [56.75]	457 [18]	953 [37.5]	254 [10]	725 [28.56]	1580 [62.19]	305 [12]	435 [960]
	4M					1540 [60.63]							590 [1300]
	5H					1584 [62.38]							612 [1350]
	6H	101.6 [4]	1219 [48]	787 [31]	762 [30]	1648 [64.88]	610 [24]	876 [34.5]	305 [12]	840 [33.06]	1681 [66.19]	305 [12]	635 [1400]
	4L					1589 [62.56]							617 [1360]
	5M					1630 [64.19]							644 [1420]
	7H	127 [5]	1443 [56.81]	787 [31]	876 [34.5]	1821 [71.69]	660 [26]	876 [34.5]	305 [12]	891 [35.06]	1735 [68.31]	305 [12]	853 [1880]
	5L					1773 [69.81]							816 [1800]
	6M					1837 [72.31]							848 [1870]
	6L	152.4 [6]	1484 [58.44]	889 [35]	864 [34]	1886 [74.25]	762 [30]	1118 [44]	356 [14]	1007 [39.63]	2096 [82.5]	356 [14]	1084 [2390]
	7M					1969 [77.5]							1134 [2500]
ROOTS	RAM616	203.2 [8]	1675 [65.94]	940 [37]	1029 [40.5]	2337 [92]	813 [32]	1280 [50.38]	406 [16]	1053 [41.44]	2465 [97.06]	457 [18]	1538 [3390]
	RAM624					2153 [84.75]							1452 [3200]
DUROFLOW	4504	76.2 [3]	1249 [49.19]	711 [28]	787 [29]	1568 [61.75]	584 [23]	953 [37.5]	254 [10]	853 [33.56]	1580 [62.19]	305 [12]	612 [1350]
	4506	101.6 [4]	1219 [48]	787 [31]	762 [30]	1616 [63.63]	660 [26]	876 [34.5]	305 [12]	891 [35.06]	1735 [68.31]	305 [12]	653 [1440]
	4509	127 [5]	1443 [56.81]	787 [31]	876 [34.5]	1800 [70.88]	660 [26]	1143 [45]	330 [13]	880 [34.63]	1938 [76.31]	330 [13]	816 [1800]
	4512		1506 [59.31]	838 [33]	978 [38.5]	1943 [76.5]	711 [28]	1143 [45]	330 [13]	891 [35.06]	1964 [77.31]	356 [14]	953 [2100]
	4518	152.4 [6]	1483 [58.38]	940 [37]	1080 [42.5]	2175 [85.63]	813 [32]	1118 [44]	356 [14]	1021 [40.19]	2146 [84.5]	406 [16]	1320 [2910]
HELIFLOW	406	76.2 [3]	1249 [49.19]	711 [28]	737 [29]	1567 [61.69]	584 [23]	953 [37.5]	254 [10]	840 [33.06]	1580 [62.19]	305 [12]	599 [1320]
	408	101.6 [4]	1219 [48]	787 [31]	762 [30]	1608 [63.31]	660 [26]	876 [34.5]	305 [12]	891 [35.06]	1735 [68.31]	305 [12]	640 [1410]
	412	127 [5]	1506 [59.31]	838 [33]	978 [38.5]	1964 [77.31]	711 [28]	1143 [45]	330 [13]	924 [36.38]	1964 [77.31]	356 [14]	939 [2070]
	514	152.4 [6]	1483 [58.38]	940 [37]	1080 [42.5]	1834 [72.19]	813 [32]	1118 [44]	356 [14]	1007 [39.63]	2096 [82.5]	356 [14]	1143 [2520]
	616	203.2 [8]	1624 [63.94]	1118 [44]	1029 [40.5]	2146 [84.5]	991 [39]	1280 [50.38]	406 [16]	1053 [41.44]	2415 [95.06]	457 [18]	1556 [3430]
	624		1675 [65.94]	1168 [46]	1168 [46]	2413 [95]	1041 [41]	1280 [50.38]	406 [16]	1265 [49.81]	2465 [97.06]	457 [18]	2073 [4570]

Scheduled dimensions are for general information only. For specific dimensions, request a general dimension drawing for the particular blower model.