Exhaust Blower Selection Chart

	Total Exhaust Duct Length			
	0 to 10 feet	**10 to 20 feet**	**20 to 40 feet**	**40 to 80 feet**
Model				
VLS Desktop	A	B	B	B
VLS / PLS Platform	B	B	C	C
ILS	D	D	E	E

Grainger Models
www.grainger.com

Direct drive blowers suitable for outdoor installations

Part #	motor power	selection #	notes	CFM @ SP*	Approx Price
7C447	1 hp 110/220	A,B	drip proof cover	490 @ 5"	$524

*Supplier specifications show how air flow and static pressure vary

Belt drive blowers suitable for outdoor installation - need to specify 5 inches static pressure for proper gearing selection

7D755	3/4 hp 110/220	A,B	drip proof cover	390 @ 5"	$953
7D756	1 hp 110/220	A,B	drip proof cover	470 @ 5"	$1,028
7D757	1.5 hp 220 3 phase	A,B,C	drip proof cover	600 @ 5"	$1,087

*Supplier specifications show how air flow and static pressure vary

Penn State Industries
www.pennstateind.com
1-800-377-7297

Direct drive blowers suitable for indoor installation (custom cover needed if used outside)

Part #	motor power	selection #	notes	max CFM, max SP*	Approx Price
DC3	1.5 hp 110/220	A,B,C,D,E	no cover	850 cfm, 8.5"	$300
DC250SEMB	2.0 hp 110/220 1 phase	A,B,C,D,E	no cover	1350 cfm, 9.5"	$380

*Supplier provides max air flow and max pressure values only

Grizzly Industrial, Inc.
www.grizzly.com
1-800-523-4777

Direct drive blowers suitable for indoor installation (custom cover needed if used outside)

Part #	motor power	selection #	notes	max CFM, max SP*	Approx Price
G1163*	1 hp 110/220	A	no cover	537 cfm, 7"	$195
G1028Z2	1.5 hp 110/220	A,B	no cover	1300 cfm, 9"	$380
G1029Z2	2.0 hp 220 1 phase	A,B,C	no cover	1550 cfm, 11"	$405

*Supplier provides max air flow and max pressure values only

Harbor Freight
www.harborfreight.com

Direct drive blowers suitable for indoor installation (custom cover needed if used outside)

Part #	motor power	selection #	notes	max CFM*	Approx Price
31810*	1 hp 110/220	A, B	no cover	660 cfm	$150

*Supplier provides max air flow value only

Notes about ratings

CFM is Cubic Feet per Minute of airflow.
SP is Static Pressure, measured in inches of water, also called water column.
CFM and Static Pressure vary inversely. Max CFM occurs with no restriction and lowest Static Pressure. Max Static Pressure occurs at lowest allowable airflow.
Some companies such as Grainger provide specifications with various pressure/airflow performance values. Others give only maximums.