

Dry Screw Vacuum Pump

VSS | 450

Dry screw vacuum pump

- High efficiency, precision-machined variable pitch dry screw vacuum pumps.
- Capacities up to 265 ACFM
- Ultimate vacuum at continuous operation: 0.007 Torr
- Fitted as standard with NEMA motor
- Standard features include industrial coated internal surfaces, top inlet/bottom discharge and Viton O-Rings.
- Mechanical seals, internal coating and elastomer material available for process applications.



Technical data

			VSS-450 - IMPERIAL	VSS-450 - METRIC
Nominal Suction Capacity	m³/h	50 Hz	210 ACFM *	360 m³/hr
		60 Hz	265 ACFM *	450 m³/hr
Ultimate Vacuum (Standard)	mbar (abs.)	50 Hz	<0.0015 Torr	<0.01 mBar
		60 Hz	<0.007 Torr	<0.02 mBar
Standard Backpressure Limit			4 psig	0.3 Bar
Installed Power - Standard			15 HP	12 KW
Power Consumption at 10 Torr			10 HP	7.5 KW
Drive End Oil Sump Capacity			1.16 qt	
Non-Drive End Oil Sump Capacity			0.44 qt	
Average Noise Level (With Silencer)	dB(A)	73		
Max. Weight Without Motor			970 lbs	440 kg
Inlet Connection Size			2.5" ANSI B16.5, 150#	
Exhaust Connection	Bottom of Pump		1.5" ANSI B16.5, 150#	
	With Silencer		2.0" ANSI B16.5, 150#	

Versions with high water vapor tolerance and high resistance to solvents are also available.

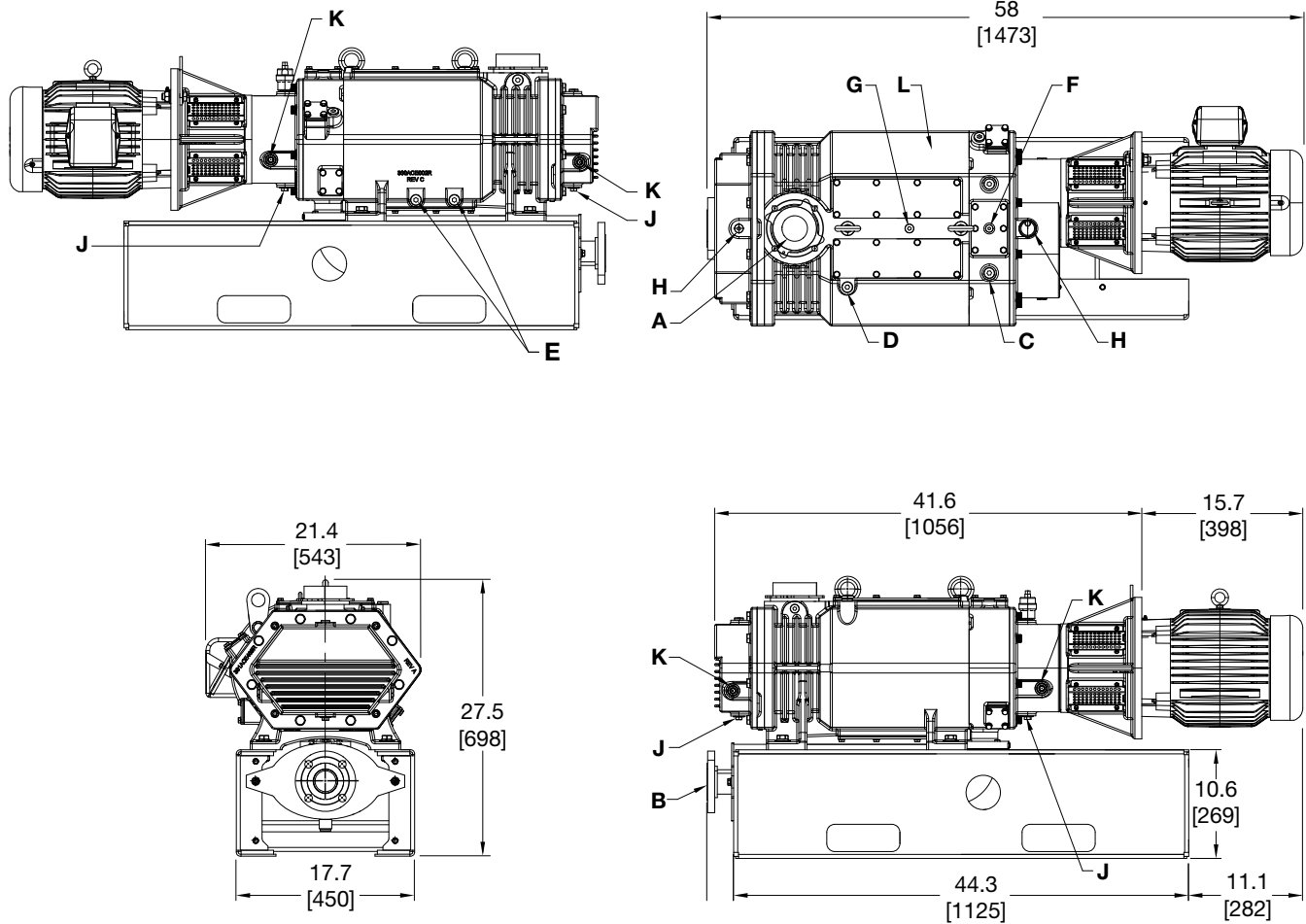
ACFM * refers to suction conditions at inlet connection.

Motors

3- Phase Motors										
Version	50 Hz				60 Hz				Note	Weight*
	HP	V ±10 %	RPM	A	HP	V ±10 %	RPM	A		lbs
450	15	380	3000	22.0	15	200	3600	39.7	-	970
						208		36		
						230		33.8		
						460		16.9		
						575		13.7		

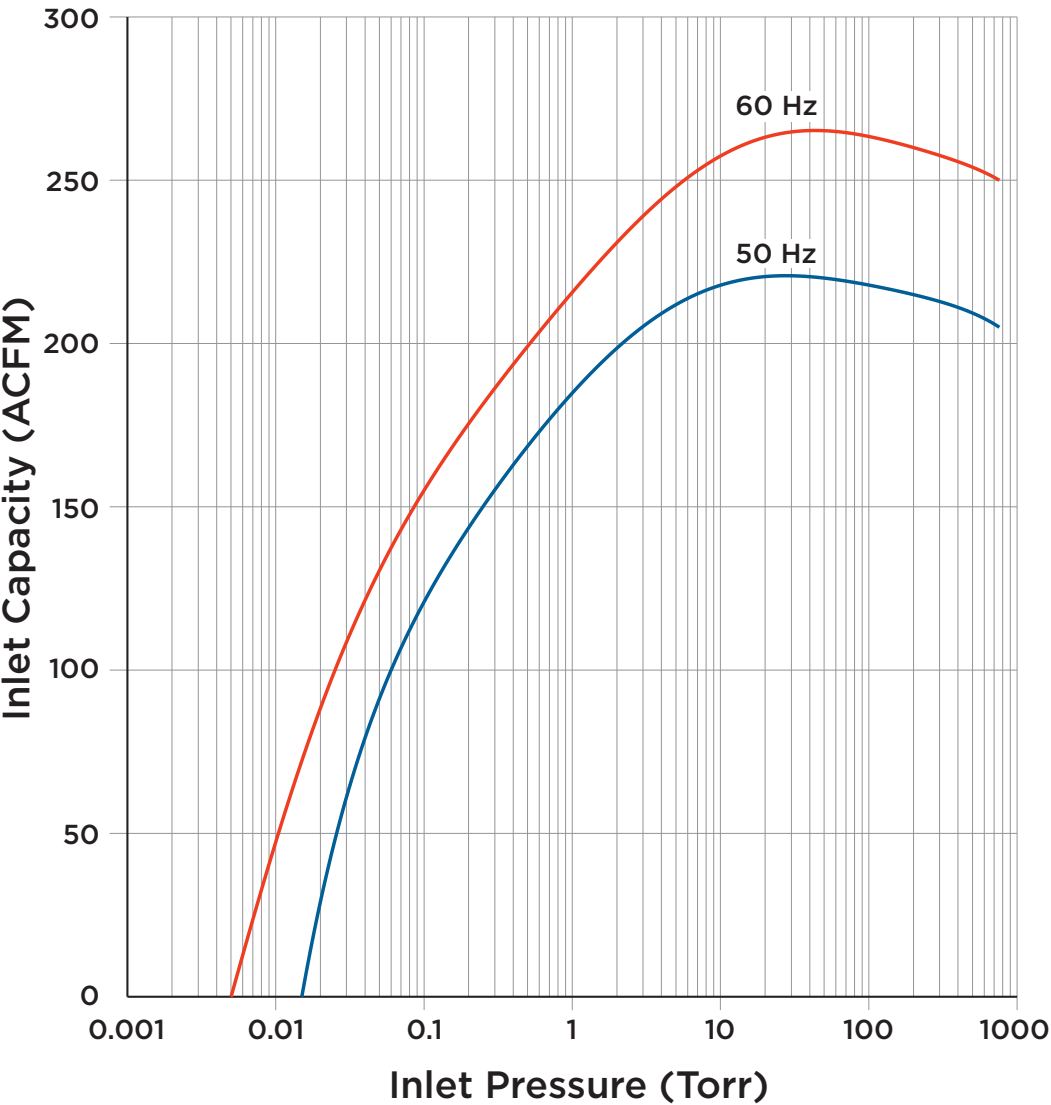
*Without Motor. The motor dimensions and weight as well as the current drawing can differ depending on the motor type. Technical information is subject to change without notice.

Dimensions: Inches [mm]



A	Process Inlet
B	Process Exhaust
C	Coolant In
D	Coolant Out
E	Coolant Drain
F	Barrier Gas
G	Gas Ballast
H	Oil Fill
J	Oil Drain
K	Oil Sight Glass
L	Nameplate Location

Characteristic Curves



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VSS-450



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