

PS/PD



HIGHVAC
CORPORATION

PS / PD Series
Dry Screw Vacuum Pumps

Powered by
 **HANBELL**

Harsh Duty Industrial Vacuum

The PS and PD series dry screw vacuum pumps feature robust and efficient screw designs. Dry screw technology provides both increased lifecycle and decreased cost of ownership. The innovative screw designs along with multiple coating options for critical interior parts make these pumps perfectly suited for harsh duty industrial applications. The PS and PD pumps are available with advanced control panels for seamless factory integration. HIGHVAC delivers excellent quality, fast delivery and superb after-sales support to the North American market.

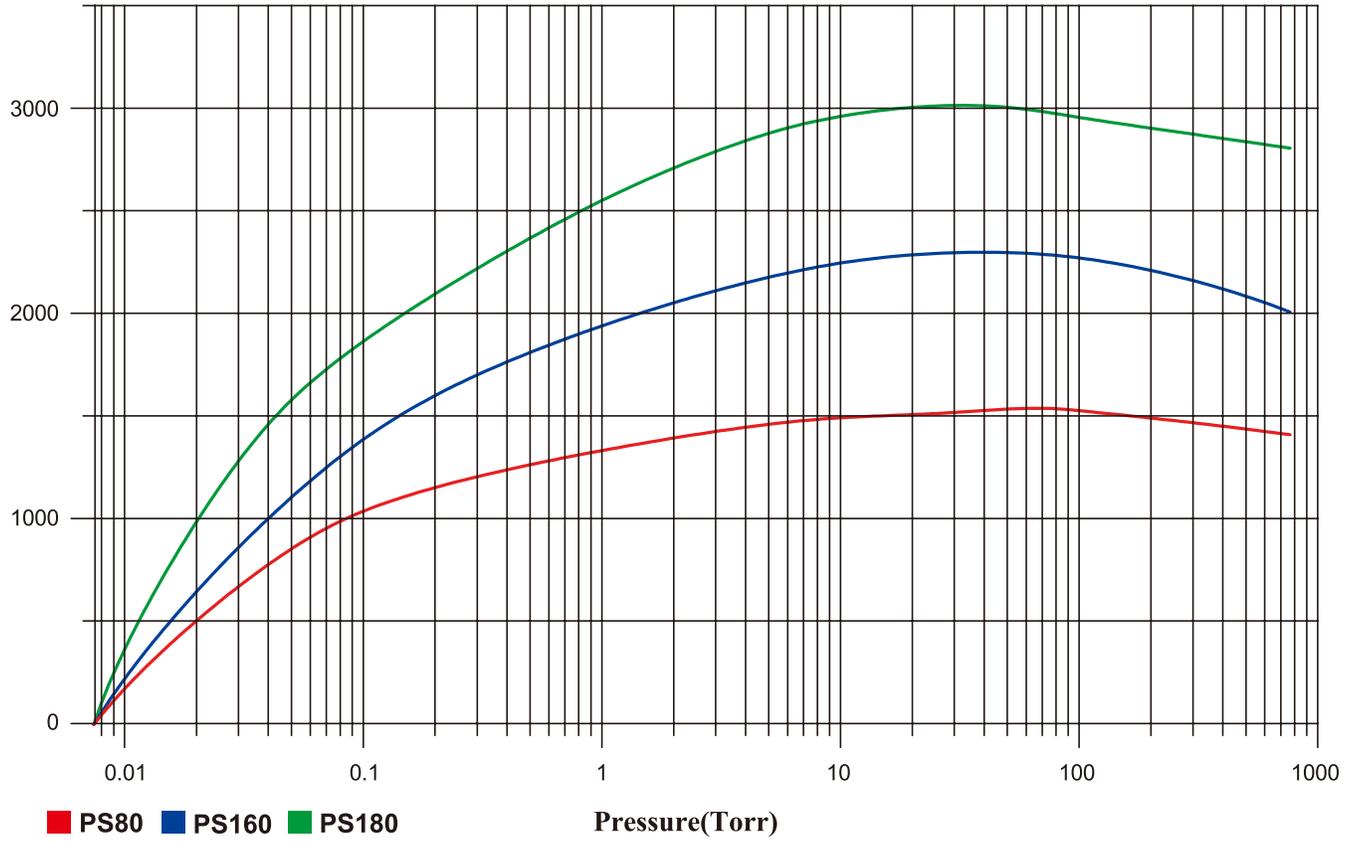
Typical applications include:

Vacuum Coating, LED, Solar Cell Manufacturing, CVD, PVD, Metallurgical Systems, Plasma Processes, Heat Treating, and Vacuum Drying

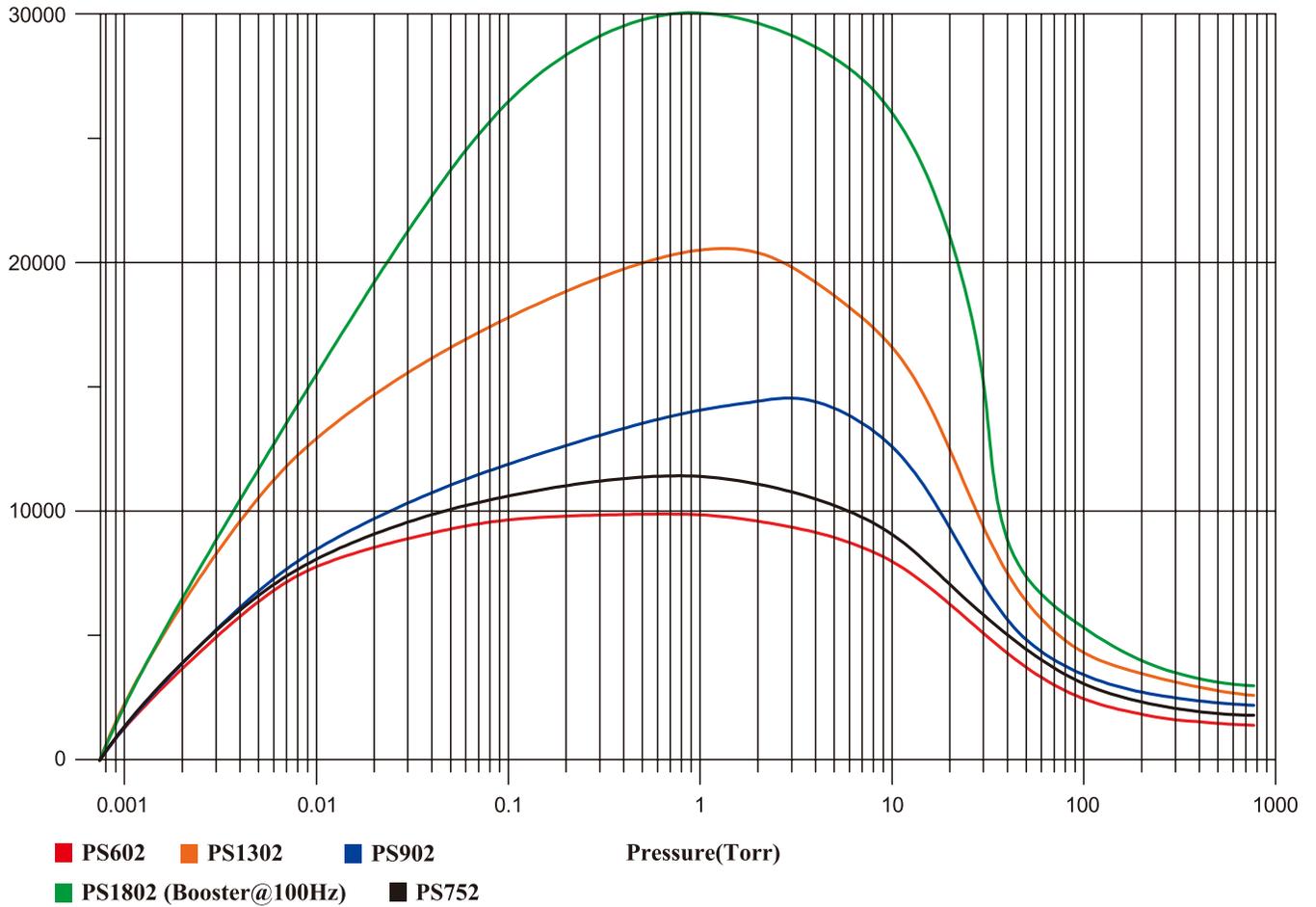
PS Series Technical Specifications							
Model	Unit	PS 80	PS 180	PS 602	PS 1302	PS 1802	
Pumping Speed 50Hz / 60Hz	m ³ /hr	80 / 96	150/180	500/600	1050/1260	1500/1800	
	cfm	47 / 57	88/106	294/353	618/742	883/1060	
Ultimate Pressure	Torr	≤ 7.5x10 ⁻³			≤ 7.5x10 ⁻⁴		
Motor	Frequency	Hz	50 / 60				
	Voltage	V	220 or 380 or 440 (3 Phase)				
	Rated Power	kW	3.7	5.5	3.7+3.7	5.5+5.5	
Connection	Inlet		NW50		ISO100 bolt	ISO160 bolt	
	Outlet		NW40				
Cooling Water	Min. Flow	l/min	4@64°F - 8@86°F				
N ₂ Purge	Pressure	psi	22 - 29				
	Flow	slm	5 - 60*				
Dimension	LxWxH	Inches	32x15x27	41.5x17x28.2	59.3x20.7x20.3	88.1x27.4x51	32x15x37
Weight		lbs	617	706	992	1191	1202
Noise		dB(A)	<68		<70		

PD Series Technical Specifications									
Model	Unit	PD120	PD300	PD500	PD800	PD702	PD1902	PD3052	
Pumping Speed 50Hz / 60Hz	m ³ /hr	80 / 120	270/330	410/500	660/800	580 / 700	1580 / 1900	2500 / 3000	
	cfm	47 / 70	160/195	240/295	393/478	340 / 400	930 / 1110	1470 / 1700	
Ultimate Pressure	Torr	≤ 7.5x10 ⁻³				≤ 7.5x10 ⁻⁴			
Motor	Frequency	Hz	50 / 60						
	Voltage	V	220 or 380 or 440 (3 Phase)						
	Rated Power	kW	3.7	7.5	15	22.5	3.7 + 3.7	7.5 + 3.7	15 + 15
Connection	Inlet		NW50	ISO63	ISO100		ISO100 (bolted)	ISO160 (bolted)	ISO200 (bolted)
	Outlet		NW40		NW50	ISO63	NW40		NW50
Cooling Water	Min. Flow	l/min	4@64°F - 8@86°F		6@64°F - 10@82°F		4@64°F - 8@86°F	6@64°F - 10@82°F	
N ₂ Purge	Pressure	psi	22 - 29						
	Flow	slm	5 - 60*						
Dimension	LxWxH	inches	32x15x27	41.5x17x28.2	59.3x20.7x20.3	88.1x27.4x51	32x15x37	41.4x17x38	59.3x20.7x38
		mm	814x380x687	1053x430x716	1505x525x515	2238x695x1293	814x380x939	1052x430x964	1505x525x965
Weight	lbs	617	772	1102	2315	992	1235	2205	
	kg	280	350	500	1050	450	560	1000	
Noise		dB(A)	<70		<70	<85	<70		

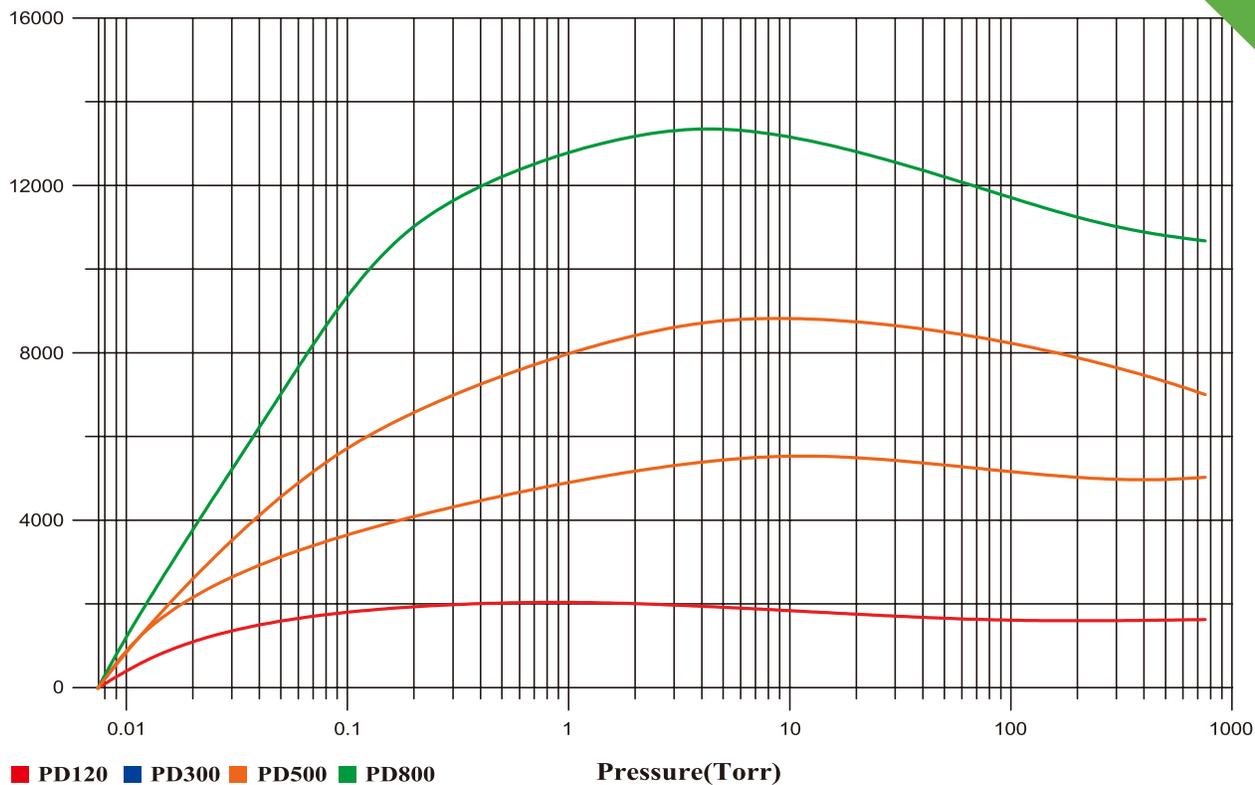
Pumping Speed(L/min)



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