

VSP Series

Dry Screw Pump

ENERGY EFFICIENT • INTELLIGENT • RELIABLE



Clean & Oil-Free

Non-contact sealing, dry pumping with no oil backflow

High Energy Efficiency

Variable-pitch design for lower power consumption, Motor-pump coaxial design ensures high efficiency and reliability



Air-cooled System

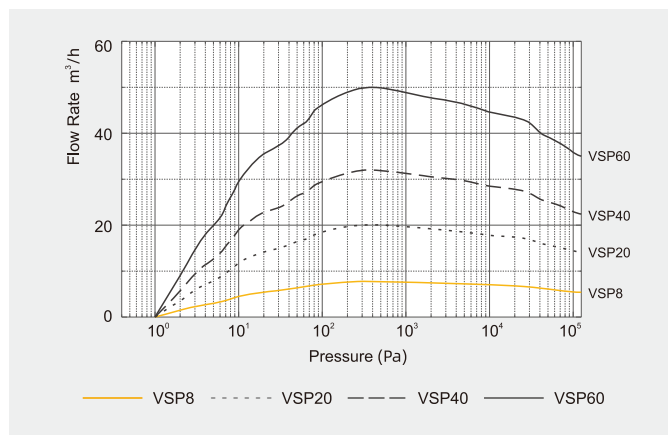
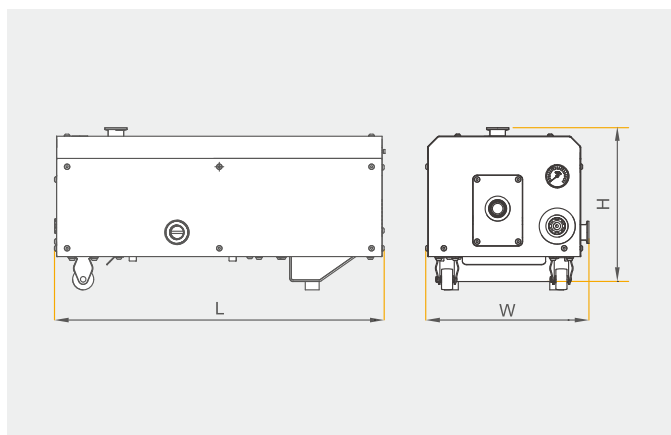
Optimized airflow design
Precise pump temperature control

Powerful & Reliable Performance

Stable process support with wide pressure range operation
Delivers high pumping efficiency

- High Compression Efficiency
- High Energy Efficiency
- Stable and Low Noise

VSP Series Dry Screw Pump



Technical Parameters

Model			VSP8	VSP20		VSP40		VSP60	
Peak pumping speed		m³/h	8	20		32		55	
		L/min	130	330		530		830	
		CFM	4.7	11.7		18.8		29.4	
Ultimate vacuum		Pa	3	3		3		3	
		Torr	2.3x10 ⁻³	2.3x10 ⁻³		2.3x10 ⁻³		2.3x10 ⁻³	
		mbar	3x10 ⁻²	3x10 ⁻²		3x10 ⁻²		3x10 ⁻²	
Gas purge	Dry nitrogen/Dry compressed air	slm	0~100	0~100		0~100		0~100	
	Pressure	Mpa	0.04~0.07	0.04~0.07		0.04~0.07		0.04~0.07	
	Purge gas Inlet connection		One-touch fitting Φ6mm						
	Purge gas supply quality		ISO8573 Class 2						
Motor rating		kW	1.8	1.8		1.8		2.2	
Ultimate power consumption		kW	0.8	0.9		0.9		0.9	
Maxmium power consumption		kW	3	3		3		3	
Voltage input		V	220 1-ph	220 1-ph	380 3-ph	220 1-ph	380 3-ph	220 1-ph	345-415V 3-ph
Voltage Frequency		Hz	50/60						
Current at ultimate pressure		A	6	7	3	9	3	7	3
Heavy duty peak current		A	7	9	3	13	5	25	8
Control			PID functions						
			Analogue speed control						
			Parallel control and monitoring: Digital and modbus-rtu control						
			Serial communication: MODBUS-RTU						
Inlet/exhaust DN			KF25/KF16	KF25		KF25		KF40/KF25	
Max water vapor pumping rate		g/h	135	200		200		250	
Cooling mode			Forced-air						
Operating temperature range (storage)		°C	5~40 (-5~50)						
Lubrication volume (Oil type)		ml	80 (PEFP)						
Noise level		dB(A)	≤62	≤62		≤65		≤65	
Mass		kg	≤38	≤48		≤48		≤75	
Dimensions(L*W*H)		mm	520x300x320	600x300x320		600x300x320		663x350x400	