Oil Rotary Vacuum Pump PKS Series

The PKS series models are extremely durable, large oil rotary vacuum pumps with very stable pumping characteristics.



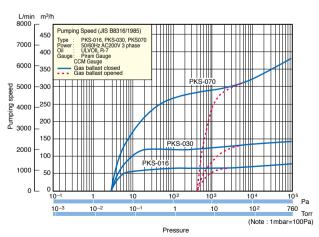
Features

- The single-stage design of the rotary plunger vacuum pump is robust and very reliable.
- High-grade cast iron is used, providing strength and resistance to abrasion.
- Disassembly and reassembly for maintenance is quite simple. Exhaust valve inspection is also easy.

Applications

- · Vacuum heating furnace
- Vacuum molding
- · Vacuum drying
- · Vacuum distillation
- · Vacuum packing, etc.

Pumping Speed Curves



*These are representative curves based on actual measurement data.

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			Specifications			
Model		PKS-016	PKS-030	PKS-070		
Designed pumping speed m³/hr L/min CFM		96	180	420		
		L/min	1600	3000	7000	
		56.5	105.94	247.2		
Ultimate pressure *1 Pa Torr mbar		2.7				
		Torr	2×10 ⁻²			
		2.7×10 ⁻²				
	Туре		Totally Enclosed Fan Cooled Motor			
Motor *2 *3	kW (number of pole	s)	2.2 (4)	3.7 (4)	11 (6)	
	HP (number of poles)		2.95 (4)	4.96 (4)	14.95 (6)	
Voltage/Freqency			200V/50Hz, 200V/60Hz, 220V/60Hz			
Oil *4		ULVOIL R-7				
Oil capacity L		6.5	8	20		
Cooling method		Air cooled	Water cooled			
Cooling water	Primary side MPa		_	≤0.3 (Gauge pressure)		
	pressure	psi	_	≤43.5 (Gauge pressure)		
		MPa	_	≤0.1 (Gauge pressure)		
	pressure differential psi		_	≤14.5 (Gauge pressure)		
	Flow rate	L/min	_	3	5	
	Tomporoturo	°C	_	5 to 30	5 to 30	
		°F	_	41 to 86	41 to 86	
Inlet JIS B2290		VG50 equivalency	VG80 equivalency	VG100 equivalenc		
Outlet JIS B2290		VF50 equivalency	VF80 equivalency	VF100 equivalenc		
Weight kg		225	380 (without motor)	900 (without motor		
External dimensions WxLxH mm		590×860×550	720×675×897	970×942×897		
Certification		CE (Option)				
Options		Oil mist trap TM-2	Oil mist trap TM-3	Oil mist trap TM-4		

- *1 Measured with a Pirani gauge.
- *2 The pump is also compatible with a increased safety explosion-resistant motor, and pressure resistant explosionresistant flange motor.
- *3 Other voltage is available upon request.
- Other oil types are available, upon request.

Dimensions (unit: mm) PKS-030 PKS-016 PKS-070 700 (For anchor bolt) Wheel cove Drain valve 537 (For anchor bolt Wheel cover Oil magnetic Oiler Oil filter Oil filter Oil magnetic valve Oil supply port G3/4B Cooling water outlet, Hose port, Rc3/8 Oile Belt cover Belt cover (300) Exhaust port flange Oil supply port G3/48 | Sudion port flange | JIS B 2290, | S B 2290, | Motor 3.7kW/4P/IP44 Motor pulley 50Hz dia.115 60Hz dia.95 Suction port flange JIS B 2290, corresponds to VG80 O.D. dia.160 I.D. dia.80 Tap 4-M10 BCdia.135 Gasket groove dia.110×dia.100×t3 Suction port flange JIS B 2290, corresponds to VG100 O.D. dia.185 I.D. dia.100 Tap 8-M10 BC160 Gasket groove dia.120xdia.130xt3 Exhaust port flange JIS B 2290, Exhaust port flange JIS B 2290, JIS B 2290, corresponds to VF100 O.D. dia.185 I.D. dia.10 Tap 8-M10 BC160 ₽ JIS B 2290, corresponds to VF80 O.D. dia.160 I.D. dia.80 Tap 4-M10 BCdia.135 § Oil level gauge Oil level gauge Drain valve Bc1/2 Drain valve

Note 1. In the phantom line is maintenance space.

Note 2. The 'x' size might become about 100mm larger by the putting condition of the belt and the kind of the motor.