LG Series

Dry Screw Pump



High Reliability Screw Pump

More efficient and reliable coaxial design of motor & pump body
Air-cooled design of sealed motor
Anti-corrosion treatment ensures durable and reliable performance

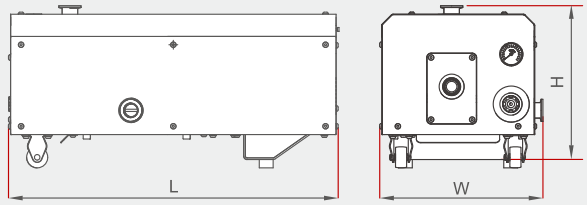
Parts/Accessories

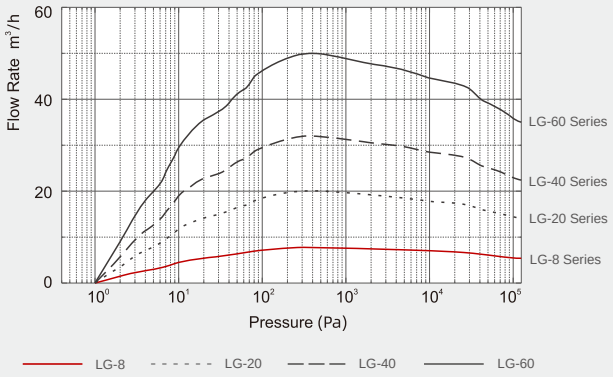
- 304 Dust Filter
- Polyester Dust Filter
- Silencer





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Technical Parameters

Model			LG-8	LG-20	LG-40	LG-60
Peak pumping speed		m^3/h	8	20	32	55
		L/min	130	330	530	830
		CFM	1.7	11.7	18.8	29.4
Ultimate vacuum		Pa	1	1	1	3
		Torr	$7.5x10^{-3}$	$7.5x10^{-3}$	$7.5x10^{-3}$	$2.3x10^{-3}$
		mbar	$1x10^{-2}$	$1x10^{-2}$	$1x10^{-2}$	$3x10^{-2}$
Gas purge	Dry nitrogen/Dry compressed air	slm	/	0~100	0~100	0~100
	Pressure	Mpa	/	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			
Voltage input		V	200-240 1-phase	200-240 1-phase	200-240 1-phase	345-415V 3-phase
Voltage Frequency		Hz	50/60			
Motor rating		kW	1.8	1.8	1.8	2.2
Ultimate power consumption		kW	1.1	1.1	1.1	1.1
Maxmium power consumption		kW	3	3	3	3
Current at ultimate pressure		A	6	7	8	1.5
Heavy duty peak current		A	13	13	13	6
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)	≤58	≤60	≤60	≤63
Mass		kg	≤38	≤48	≤48	≤75
Dimensions(L*W*H)		mm	520x300x320	600x300x320	600x300x320	663x350x400