

LG Series Dry Screw Vacuum Pump



Introduction:

LG series dry screw vacuum pumps can manage both condensable vapors and some solids with no residue. They offer a number of advantages over the traditional vacuum pump designs. There is "NO OIL NO WATER" in contact with the process vapors, therefore they are considered environmentally friendly.

Advantages:

1. Oil & Water free Dry running operation makes clean vacuum.
2. Can achieve ultimate vacuum as low as 0.6Pa
3. Quiet operation; Equipped with special silencer, lower noise.

4.No metal-metal contact between Screw and Casing ensures long pump life.

5.Simple design results easy maintenance.

Applications:

Chemical & Pharmaceutical Processing,Solvent Recovery, Crystallization, Vapor Coating,Petroleum and semiconductor markets.etc.

Technical Specification:

Model		Unit	LG50	LG70	LG100	LG150	LG200	LG300	LG350
Suction Capacity	50 Hz	m ³ /hr	180	250	430	540	720	1080	1260
	60 Hz		216	300	360	650	850	1296	1512
Ultimate Pressure	50 Hz	mbar	0.02						
	60 Hz		0.01						
Motor power	50 Hz	Kw	5.5	7.5	11	15	18.5	22	22
	60 Hz		7.5	11	15	15	22	26	26
Rotary Speed	50 Hz	RPM	2900						
	60 Hz		3550						
Inlet diam	mm	50	65	70	90	100	100	100	
Outlet diam	mm	40	40	55	65	65	65	65	
Lubricating oil consumption	L	0.85	0.85	1.4	2	2	2	2	
Cooling water consumption	L/min	2.5	2.6	2.8	3	4	4	4	
	gal/min	0.67	0.7	0.75	0.8	1.07	1.07	1.07	
Weight	Kg	295	350	480	520	680	850	850	
Noise	dB(A)	68	70	70	72	74	84	84	
Working temperature	°C	5~40							
Max. Permissible humidity	/	90%							

Remark:

1) The oil consumption on above sheet is for reference only. The machine can always adopt fluoride or mineral substance oil. Pump oil and lubricant oil will be matched before delivery.

Above cooling water consumption data is tested with ambient temperature at 30°C, cooling water suction temperature at 20°C,and water pressure from 0.15MPa to 0.2MPa. Various working condition will cause different cooling water consumption.