

LG Series Dry Screw Vacuum Pump



Introduction:

LG (B) 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's is "NO OIL NO WATER" in contact with the process vapors, so 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 2Pa(50hz), 1Pa(60hz)
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	Pumping Speed 50/60Hz			Ultimate Pressure 50/60Hz		Power 50/60Hz	Speed 50/60Hz	Inlet	Outlet	Gear Cavity Volume	Cooling Water Volume	Weight		
	m3/hr	CFM	L/s	Torr	Pa	KW	RPM	mm	mm	L	L/min	kg		
LG50	180/216	105/127	50/60	0.015 / 0.0075	2/1	7.5	2900 /3550	65	50	0.85	2.5	295		
LG70	250/300	147/176	70/84			7.5		65	50	0.85	2.6	350		
LG110	400/480	235/282	110/132			11/15		100	65	1.4	2.8	480		
LG150	540/650	317/382	150/180			18.5		150	80	2	3	520		
LG200	720/850	423/500	200/240			22		150	100	2	4	680		
LGB70	250/300	147/176	70/84			5.5/7.5		65	50	0.85	2.5	295		
LGB110	400/480	235/282	110/132			7.5/11		80	50	0.85	2.5	350		
LGB160	580/700	341/411	160/192			11/15		100	80	1.4	2.6	480		
LGB220	800/960	470/564	220/264			15/18.5		150	80	2	2.8	520		
LGB330	1200/1440	705/847	330/396			22		150	80	2	3.5	680		
LGB300	1080/1290	635/758	300/360			0.38/0.22		53/30	18.5	150	100	2	2.8	520

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.
2. 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.
3. LG model is same pitch screw pump, LGB is Variable pitch screw pump.