

Oil-Sealed Rotary Vacuum Pumps GLD-137CC

GLS/GLD Series



Outline

This is a rotary blade type vacuum pump that uses lubricating oil. A vacuum pump with low noise, low vibration and high reliability. GLD series is a high-performance type.

Features and Cautions on use

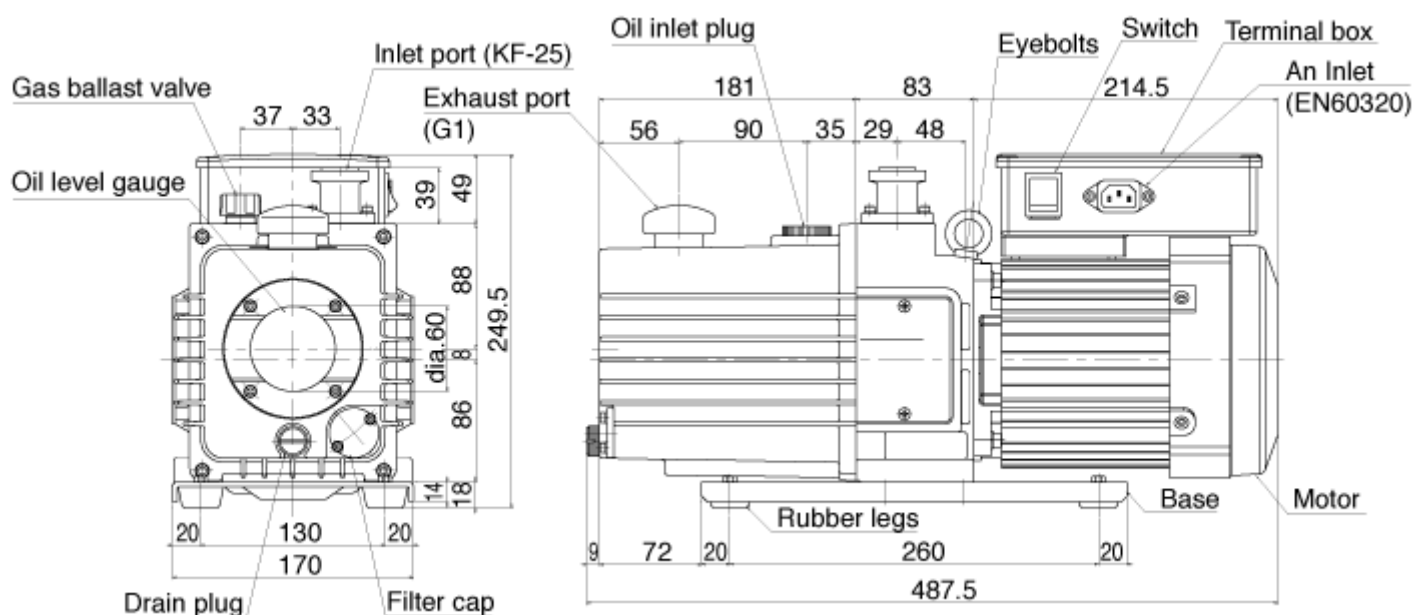
- GLD series features high performance, low vibration and noise and several functions such as gas ballast valve, oil-back-flow prevention mechanism, and large sized oil level gauge. This series equips multi-voltage motor and correspondent to international standard.

Specification

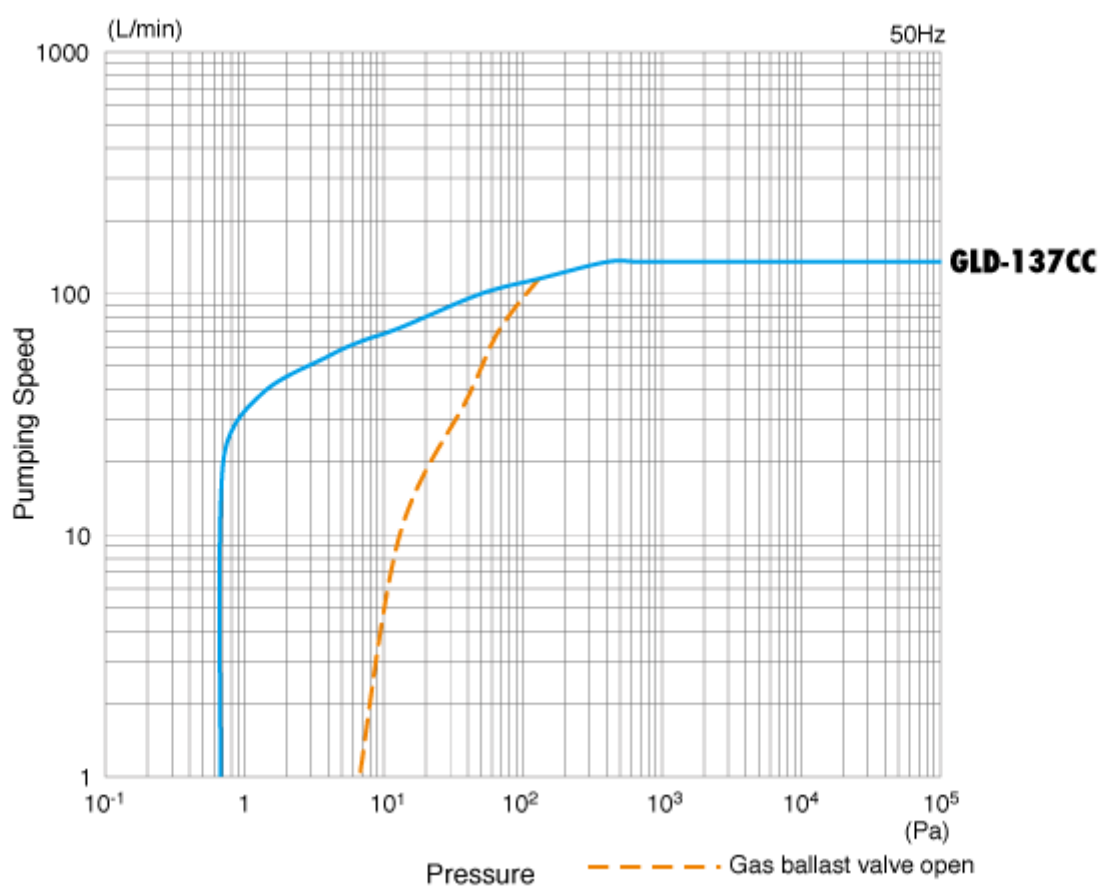
Item	Unit	50Hz	60Hz
Actual Pumping Speed	L/min	135	162
Ultimate Pressure	Pa	0.67	
Ultimate Pressure (G.V. open)	Pa	6.7	
Motor Output	W	400	
Recommended oil		SMR-100	
Oil capacity	mL	1,000	
Weight	kg	29	
Inlet, Outlet port diameter	mm	KF-25, G1	
Ambient temperature	°C	7~40	
Overall dimensions	mm	170(W) × 487.5(L) × 249.5(H)	
RoHS applied		●	

Ultimate pressure is the value measured by Pirani gauge. When measured with a Mcleod vacuum gauge, the value will be an order of magnitude lower for vacuum pumps with an ultimate pressure of 1.3Pa or less.

Outline Drawing



Pumping Speed Curves



Remarks

- Oil is deteriorated with operating, and becomes the factor of performance shortage. A decrease and the dirt of oil are confirmed, and please regularly add and replace it.
- This pump has an anti-sack valve function that is effective to
- prevent the oil back streaming when the pump stops.
- The function is not 100% guranteed.
- If operation is performed at high pressure, oil mist is generated at the exhaust side.
- There is a risk of explosion. Never block the outlet or operate the pump with equipment mounted at the outlet side that blocks the passage of gas. Otherwise, the internal pump pressure increases causing the pump to explode, the oil level gauge to protrude or the motor to be overloaded.
- It is a pump only in the room. Please do not set it up in the place, that rain and water splash, and outdoors.

Applied optional part items

No.	Category name	Series	Name
1	Adapter		KF25 Adapter (M20 Female)
2	Adapter	Adapter	50mm sq Adapter (M20 Female)
3	Power cord	Power cord	Loose power cord (100-120V type)
4	Power cord	Power cord	Power cord with plug (100-120V type)
5	Power cord	Power cord	Loose power cord (200-240V type)
6	Power cord	Power cord	Power cord with plug (200-240V Europe type)
7	Power cord	Unplug-preventive hardware	Unplug-preventive hardware (100-120V type)
8	Power cord	Unplug-preventive hardware	Unplug-preventive hardware (200-240V type)
9	Exhaust Pipe	KF Exhaust Pipe	KF25 exhaust pipe (KF25×G1)
10	Exhaust Pipe	Hose Port Exhaust Pipe	Hose port exhaust pipe (dia.27×G1)
11	Maintenance Kit	Maintenance Kit Series	Maintenace Kit A for GLD-137
12	Maintenance Kit	Maintenance Kit Series	Maintenace Kit B for GLD-137
13	Fore-line Trap		OFI-200C
14	Fore-line Trap		OFI-200V
15	In-line Trap	OMI Series	OMI-200
16	Oil-mist Trap	OMT Series	OMT-200A
17	Vacuum Pump Oil	SMR Series	SMR-100 18L
18	Vacuum Pump Oil	SMR Series	SMR-100 1L
19	Vacuum Pump Oil	SMR Series	SMR-100 4L
20	Suction Pipe	R1/4 Suction Port	A-type suction pipe (R1/4-L20 Male ×M20)
21	Suction Pipe	R1/4 Suction Port	B-type suction pipe (R1/4 Female ×M20)
22	Suction Pipe	R1/4 Suction Port	C-type suction pipe (R1/4-L10 Male × M20)
23	Suction Pipe	KF25 Suction Port	KF25 suction pipe (KF25×M20)
24	Suction Pipe	KF25 Suction Port	KF25 suction pipe(KF25×50mm sq)
25	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.12×M20)
26	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.15×M20)
27	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.18×M20)
28	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.22×M20)
29	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.27×50mm sq)
30	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.8 × M20)

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