

Oil-Sealed Rotary Vacuum Pumps

GLS/GLD Series

GLD-202AA



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	200	240
Ultimate Pressure	Pa	0.67	
Ultimate Pressure (G.V. open)	Pa	6.7	
Motor Output	W	550	
Recommended oil		SMR-100	
Oil capacity	mL	1,100	
Weight	kg	29	
Inlet, Outlet port diameter	mm	KF-25, G1	
Ambient temperature	℃	7~40	
Overall dimensions	mm	170(W) × 513.5(L) × 240(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.

Power Supply/Voltage

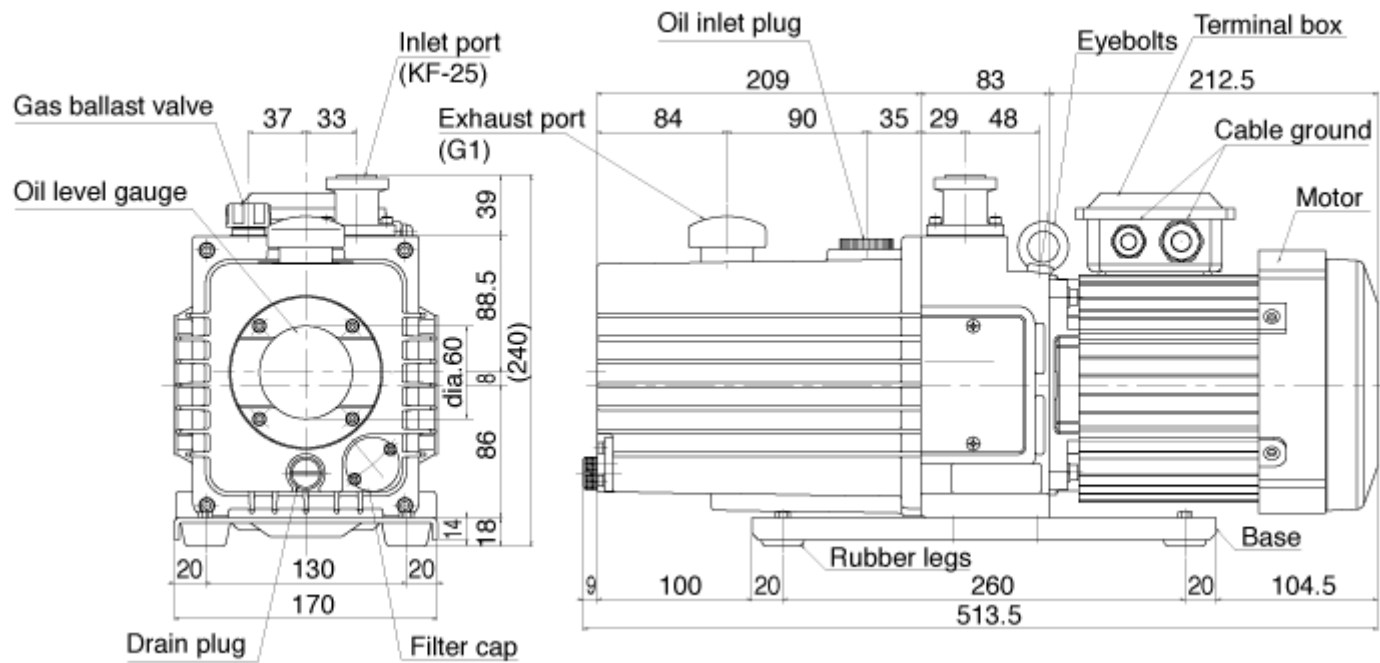
Voltage	Certificate	Remarks
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Three phase, 200-240V/380-460V

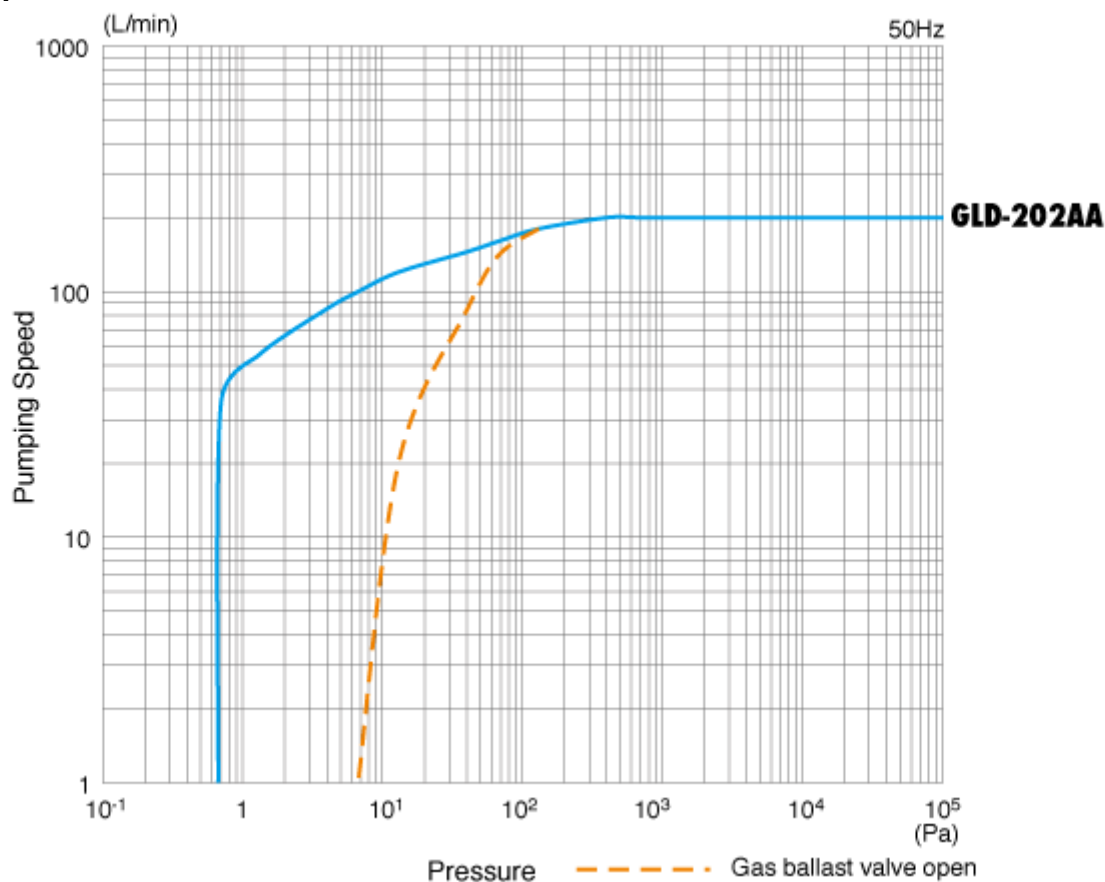
CE, TUV

■TUV Certification: A high-quality product that complies with European standards as assessed by an international third party that conducts product safety testing and certification.

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-suck valve function that is effective to
- prevent the oil back streaming when the pump stops.
- The function is not 100% guaranteed.
- 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	Exhaust Pipe	KF Exhaust Pipe	KF25 exhaust pipe (KF25×G1)
4	Exhaust Pipe	Hose Port Exhaust Pipe	Hose port exhaust pipe (dia.27×G1)
5	Maintenance Kit	Maintenance Kit Series	Maintenace Kit A for GLD-202
6	Maintenance Kit	Maintenance Kit Series	Maintenace Kit B for GLD-202
7	Fore-line Trap		OFI-200C
8	Fore-line Trap		OFI-200V
9	In-line Trap	OMI Series	OMI-200
10	Oil-mist Trap	OMT Series	OMT-200A
11	Vacuum Pump Oil	SMR Series	SMR-100 18L
12	Vacuum Pump Oil	SMR Series	SMR-100 1L
13	Vacuum Pump Oil	SMR Series	SMR-100 4L

14	Suction Pipe	R1/4 Suction Port	A-type suction pipe (R1/4-L20 Male ×M20)
15	Suction Pipe	R1/4 Suction Port	B-type suction pipe (R1/4 Female ×M20)
16	Suction Pipe	R1/4 Suction Port	C-type suction pipe (R1/4-L10 Male × M20)
17	Suction Pipe	KF25 Suction Port	KF25 suction pipe (KF25×M20)
18	Suction Pipe	KF25 Suction Port	KF25 suction pipe(KF25×50mm sq)
19	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.12×M20)
20	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.15×M20)
21	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.18×M20)
22	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.22×M20)
23	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.27×50mm sq)
24	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.8 × M20)

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