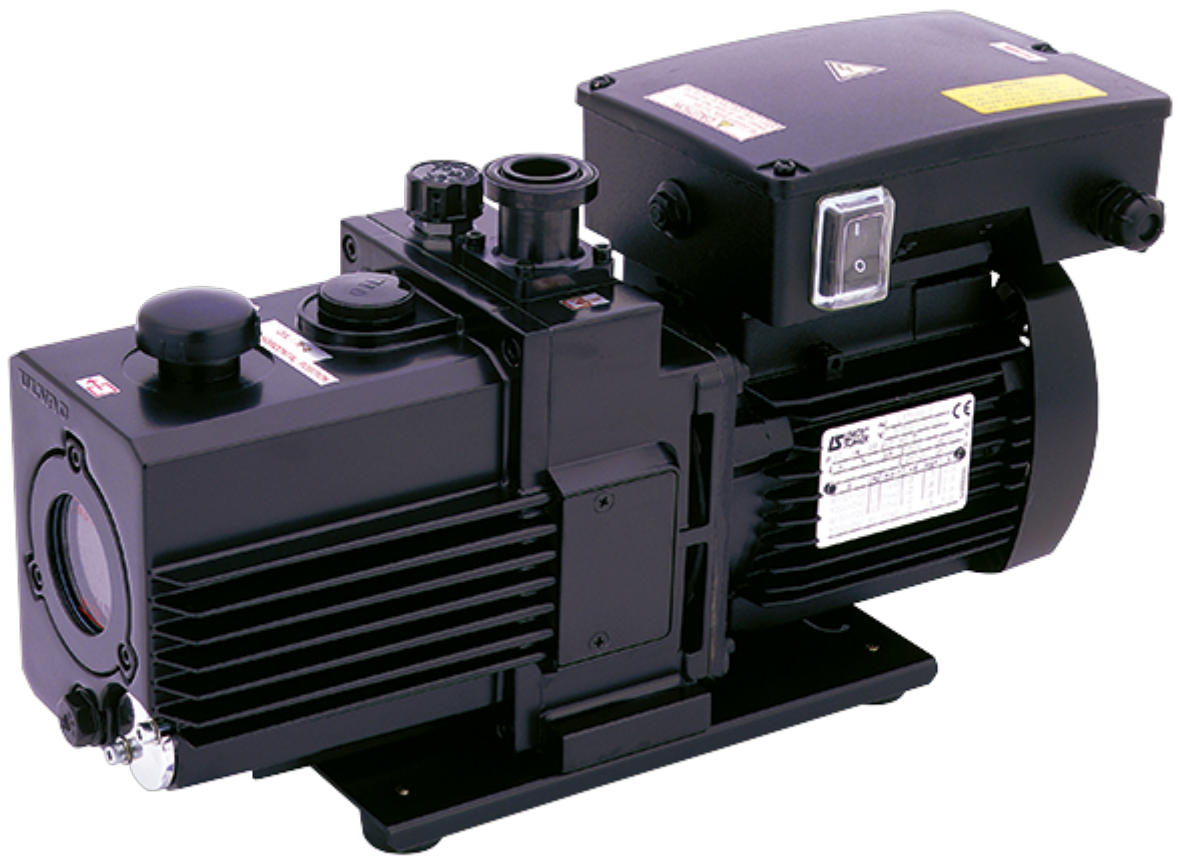


# Oil-Sealed Rotary Vacuum Pumps **GLD-040**

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

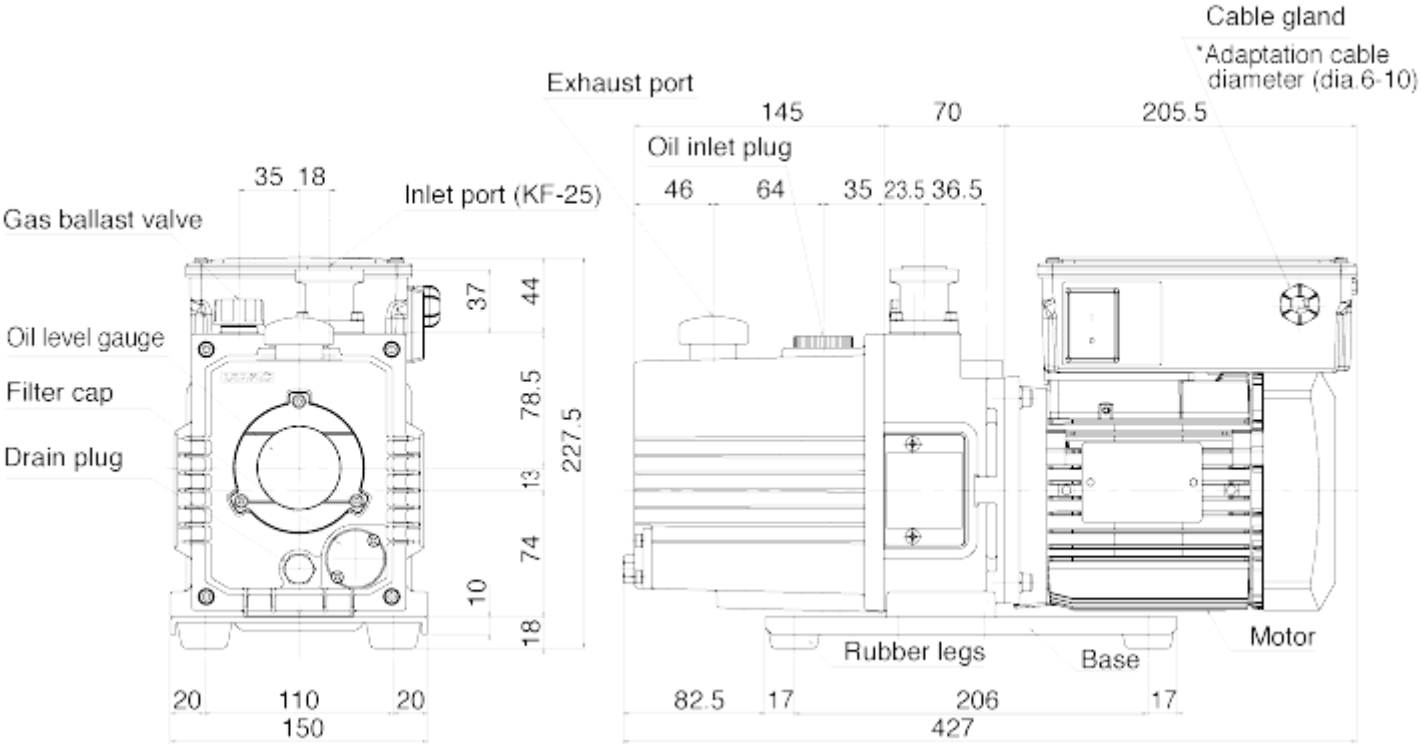
- GLD series features high performance, low vibration and noise and several functions such as gas ballast valve, oil-back-flow prevention mechanism, and large sized oil level gauge. This series equips multi-voltage motor and correspondent to international standard.

Specification

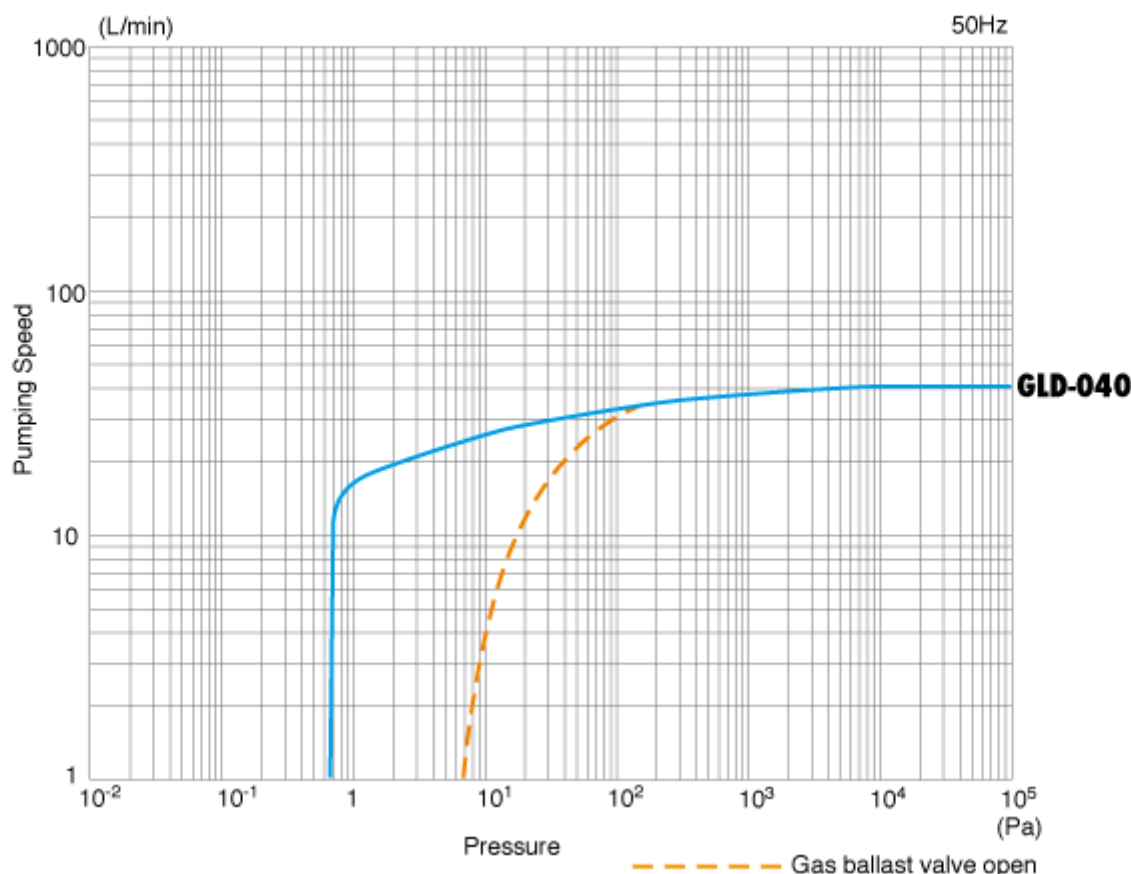
Item	Unit	50Hz	60Hz
Actual Pumping Speed	L/min	40	48
Ultimate Pressure	Pa	0.67	
Ultimate Pressure (G.V. open)	Pa	6.7	
Motor Output	W	200	
Recommended oil		R-2	
Oil capacity	mL	550~800	
Weight	kg	16	
Inlet, Outlet port diameter	mm	KF-25, G3/4	
Ambient temperature	℃	7~40	
Overall dimensions	mm	150(W) × 427(L) × 227.5(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-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	40mm sq Adapter (M20 Female)
3	Power cord	Power cord	Loose power cord (200-240V type)
4	Power cord	Power cord	Power cord with plug (100V type)
5	Exhaust Pipe	KF Exhaust Pipe	KF25 exhaust pipe (KF25×G3/4)
6	Exhaust Pipe	Hose Port Exhaust Pipe	Hose port exhaust pipe (dia.15×G3/4)
7	Exhaust Pipe	Hose Port Exhaust Pipe	Hose port exhaust pipe (dia.18×G3/4)
8	Adapter for Oil-mist Trap		Adapter for Oil-mist Trap
9	Maintenance Kit	Maintenance Kit Series	Maintenace Kit A for GLD-040
10	Maintenance Kit	Maintenance Kit Series	Maintenace Kit B for GLD-040
11	Fore-line Trap		OFI-050C
12	Fore-line Trap		OFI-050V
13	Oil-mist Trap	OMT Series	OMT-050A

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(KF25×40mm 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.8 × M20)

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