

Oil-Sealed Rotary Vacuum Pumps **GHD-101**

GHD 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. GHD series uses a magnetic coupling.

Features and Cautions on use

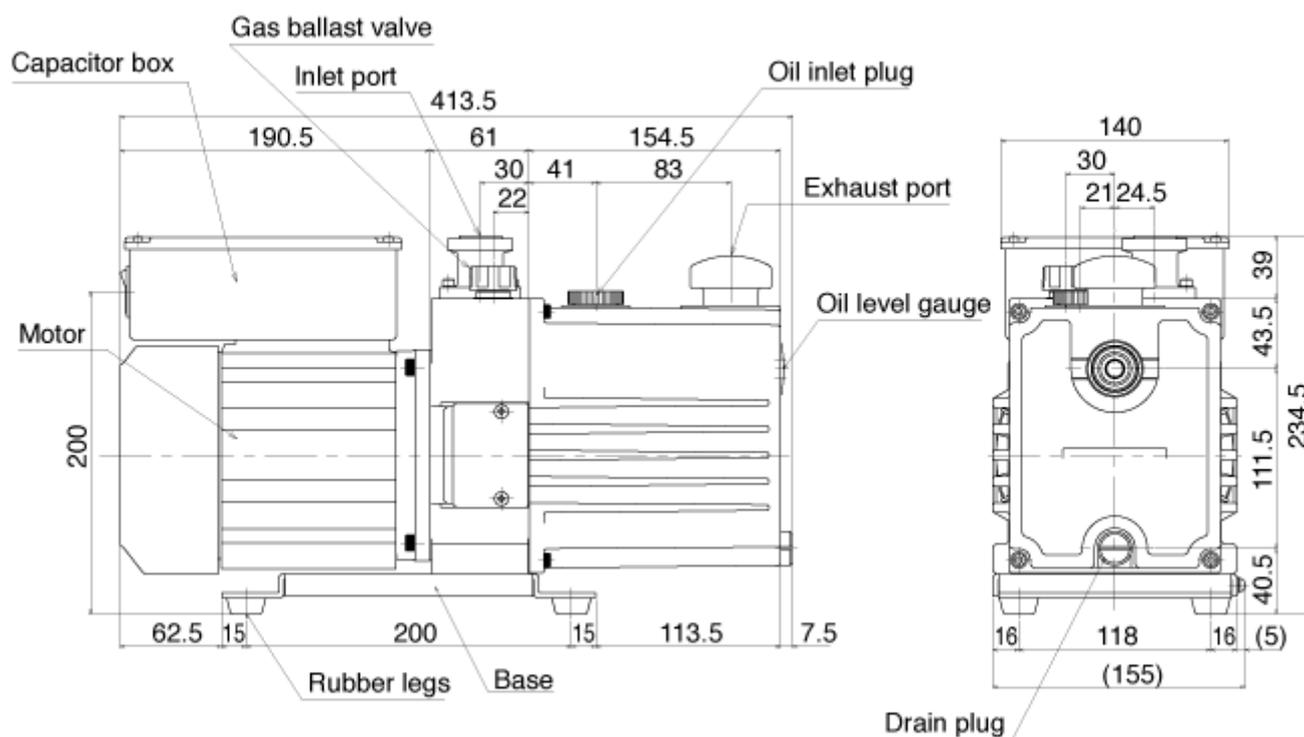
- Wide range voltage motor and correspond to CE, cTUVus.
- Magnet coupling for no oil leakage from shaft seal and realized longer lifetime.
- Integrated check valve below the inlet port for backflow prevention.

Specification

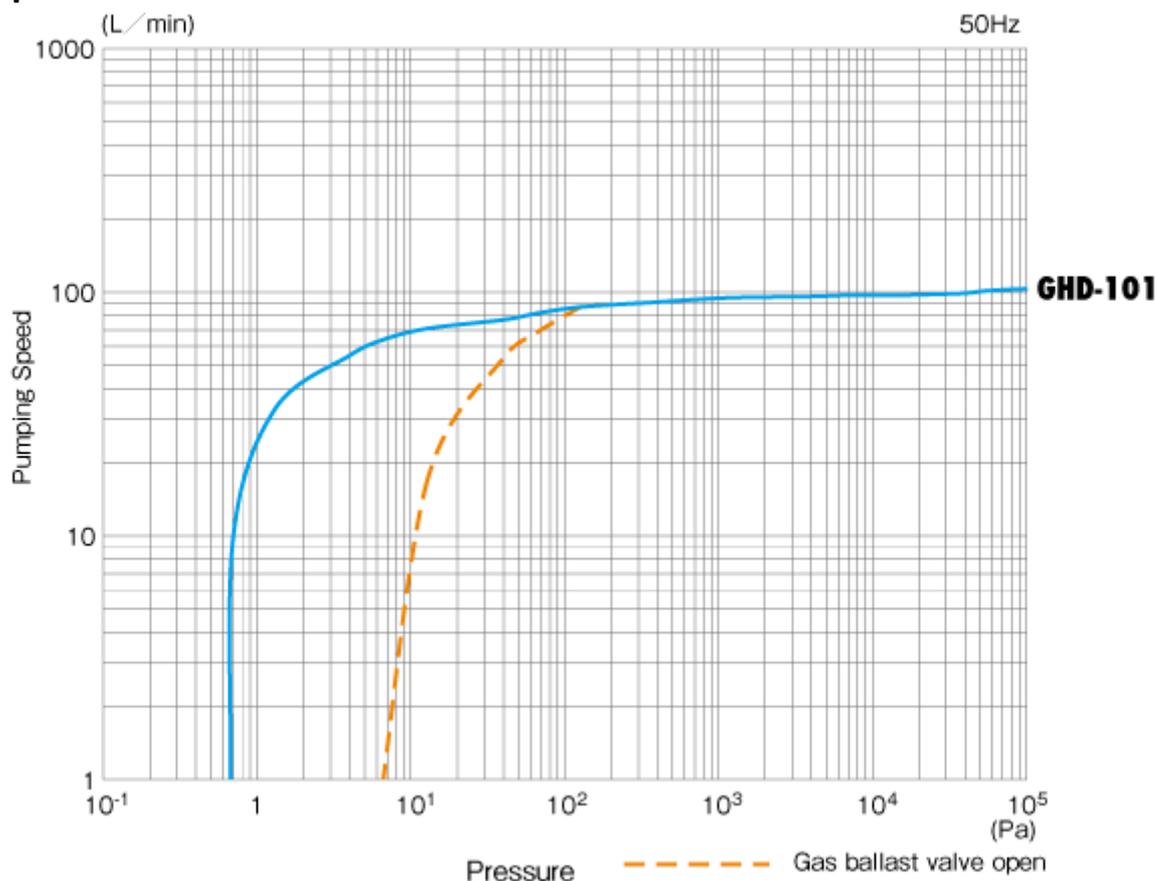
Item	Unit	50Hz	60Hz
Actual Pumping Speed	L/min	100	120
Ultimate Pressure	Pa	0.67	
Ultimate Pressure (G.V. open)	Pa	6.7	
Motor Output	W	300	
Recommended oil		R-2	
Oil capacity	mL	1,000	
Weight	kg	22	
Inlet, Outlet port diameter	mm	KF-25, G1	
Ambient temperature	°C	7~40	
Overall dimensions	mm	150(W) × 413.5(L) × 234.5(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	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	Hose Port Exhaust Pipe	Hose port exhaust pipe (dia.27×G1)
10	Maintenance Kit	Maintenance Kit Series	Maintenace Kit A for GHD-101
11	Maintenance Kit	Maintenance Kit Series	Maintenace Kit B for GHD-100/101
12	Fore-line Trap		OFI-200C
13	Fore-line Trap		OFI-200V

14	Oil-mist Trap	OMT Series	OMT-100A
15	Vacuum Pump Oil	ULVOIL Series	R-2 1L
16	Vacuum Pump Oil	ULVOIL Series	R-2 20L
17	Vacuum Pump Oil	ULVOIL Series	R-2 4L
18	Suction Pipe	R1/4 Suction Port	A-type suction pipe (R1/4-L20 Male ×M20)
19	Suction Pipe	R1/4 Suction Port	B-type suction pipe (R1/4 Female ×M20)
20	Suction Pipe	R1/4 Suction Port	C-type suction pipe (R1/4-L10 Male × M20)
21	Suction Pipe	KF25 Suction Port	KF25 suction pipe (KF25×M20)
22	Suction Pipe	KF25 Suction Port	KF25 suction pipe(KF25×50mm sq)
23	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.12×M20)
24	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.15×M20)
25	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.18×M20)
26	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.22×M20)
27	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.27×50mm sq)
28	Suction Pipe	Hose Port Suction Pipe	Hose port suction pipe (dia.8 × M20)

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