

Oil-Sealed Rotary Vacuum Pumps

# GLD Series

## GLD-040 GLD-136A GLD-136C

### Features

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.

### Applications

- Chemical, science experiment, Analyzer and Laser system.
- Vacuum pumping system.
- Backing pumps for the electronic microscope.
- Semiconductor equipment, sputtering equipment, vacuum evaporation equipment.
- Vacuum dryer, freeze dryer.



GLD-040



GLD-136A



GLD-136C

### Specifications

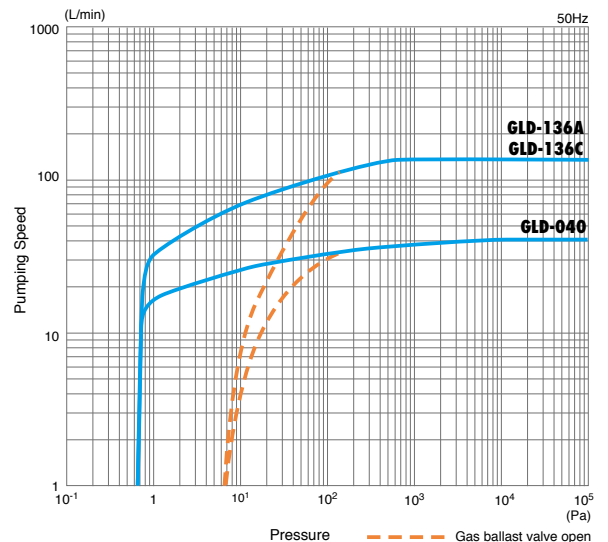
Model	Unit	GLD-040		GLD-136A		GLD-136C	
		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Actual pumping speed	L/min	40	48	135	162	135	162
Ultimate pressure*	Pa	G.V. Closed : 0.67 G.V. Open : 6.7		G.V. Closed : 0.67 G.V. Open : 6.7		G.V. Closed : 0.67 G.V. Open : 6.7	
Motor		Single phase, 200W, 4P, Multiple-range motor Capacitor start & run, 100 – 120V/200 – 240V		Three phase, 400W, 4P, Multiple-range motor 200 – 240V/380 – 460V		Single phase, 400W, 4P, Multiple-range motor Capacitor start & run, 100 – 120V/200 – 240V	
Full load current	A	4.20 (100V), 4.40 (110V) 4.60 (115V), 5.05 (120V)	3.60 (100V), 3.40 (110V) 3.40 (115V), 3.60 (120V)	2.10 (200V), 2.20 (220V) 2.30 (230V), 2.50 (240V)	2.00 (200V), 1.90 (220V) 1.90 (230V), 2.00 (240V)	6.8 (100 – 120V) 3.5 (200 – 240V)	5.8 (100 – 120V) 2.9 (200 – 240V)
Oil capacity	mL	550 – 800		1,000		1,000	
Recommended oil		R-2		SMR-100		SMR-100	
Weight	kg	16.0		23.0		27.0	
Inlet port diameter	mm	KF-25		KF-25		KF-25	
Ambient temperature	°C	7 – 40		7 – 40		7 – 40	
Overall dimensions	mm	150(W) × 427(L) × 228.5(H)		170(W) × 485.5(L) × 240(H)		170(W) × 487.5(L) × 249.5(H)	

\* : Ultimate pressure is measured by Pirani gauge. (In case of macleod gauge, the rate is one digit smaller than this rate.)

### Corresponding voltage and Certificate

Model	Voltage	Applicable Volt	CE Marked	TUV Marked	cTUVus Marked
GLD-040	Single phase, 100–120V	Standard	●	●	●
	Single phase, 200–240V	Standard	●	●	●
GLD-136A	Three phase, 200–240V	Standard	●	●	—
	Three phase, 380–460V	Standard	●	●	—
GLD-136C	Single phase, 100–120V	Standard	●	●	●
	Single phase, 200–240V	Standard	●	●	●

### Pumping speed curves



\* Further details can be referred to our website. Outside drawing appears in Page 33.

Oil-Sealed Rotary Vacuum Pumps

**GLD Series**

**GLD-201A GLD-201B**

**Features**

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.

**Applications**

- Chemical science experiment, Analyzer and Laser system.
- Vacuum pumping system.
- Back pump for the electronic microscope.
- Semiconductor equipment, sputtering equipment, vacuum evaporation equipment.
- Vacuum dryer, freeze dryer.



GLD-201A



GLD-201B

**Specifications**

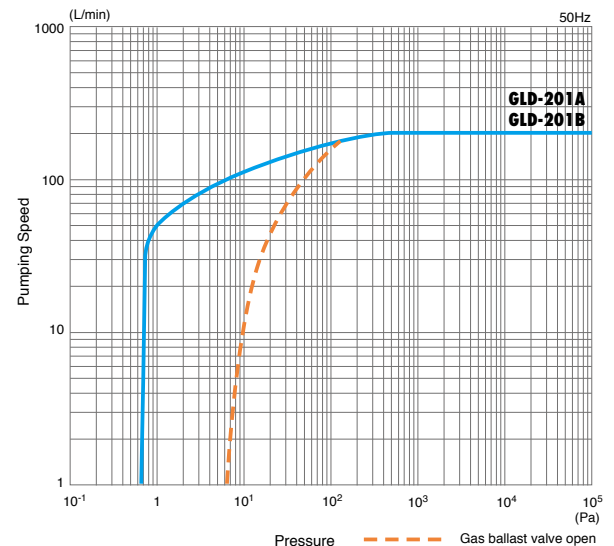
Model	Unit	GLD-201A		GLD-201B	
		50Hz	60Hz	50Hz	60Hz
Actual pumping speed	L/min	200	240	200	240
Ultimate pressure*	Pa	G.V. Closed : 0.67 G.V. Open : 6.7		G.V. Closed : 0.67 G.V. Open : 6.7	
Motor		Three phase, 550W, 4P, Multiple-range motor 200 – 240V/380 – 460V		Single phase, 550W, 4P, Multiple-range motor Capacitor start & run, 100 – 120V/200 – 240V	
Full load current	A	3.00 (200V), 3.10 (220V) 3.30 (230V), 3.60 (240V) 1.80 (380V), 1.90 (400V) 2.00 (415V)	2.70 (200V), 2.70 (220V) 2.70 (230V), 2.80 (240V) 1.50 (380V), 1.60 (400V) 1.70 (440V), 1.70 (460V)	8.2 (100-120V) 4.1 (200-240V)	7.9 (100-120V) 3.9 (200-240V)
Oil capacity	mL	1,100		1,100	
Recommended oil		SMR-100		SMR-100	
Weight	kg	26.0		29.0	
Inlet port diameter	mm	KF-25		KF-25	
Ambient temperature	°C	7 – 40		7 – 40	
Overall dimensions	mm	170(W) × 513.5(L) × 240(H)		170(W) × 515.5(L) × 249.5(H)	

\* : Ultimate pressure is measured by Pirani gauge. (In case of macleod gauge, the rate is one digit smaller than this rate.)

**Corresponding voltage and Certificate**

Model	Voltage	Applicable Volt	CE Marked	TUV Marked	cTUVus Marked
GLD-201A	Three phase, 200–240V	Standard	●	●	—
	Three phase, 380–460V	Standard	●	●	—
GLD-201B	Single phase, 100–120V	Standard	●	●	●
	Single phase, 200–240V	Standard	●	●	●

**Pumping speed curves**



\* Further details can be referred to our website. Outside drawing appears in Page 34.