

# Oil-Sealed Rotary Vacuum Pump **GHD-031**

## Features

- 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.

## Applications

- Helium leak detector.
- Analytical equipment. (GC/MS, ICP/MS, LC/MS)
- Laboratory experiment.



**GHD-031B**

## Specifications

Model		GHD-031B	
	Unit	50Hz	60Hz
Actual pumping speed	L/min	30	36
	m <sup>3</sup> /h	1.80	2.16
	CFM	1.06	1.27
Ultimate pressure*	Pa	G.V. Closed : 0.67 G.V. Open : -	
	Torr	G.V. Closed : 5.0 × 10 <sup>-3</sup> G.V. Open : -	
	mbar	G.V. Closed : 6.7 × 10 <sup>-3</sup> G.V. Open : -	
Motor	Single phase, 200 – 240V, 100W, 2P, Capacitor run		
Full load current	A	0.94 (200V)	1.02 (200V)
		0.84 (240V)	1.03 (240V)
Oil capacity	mL	370	
Recommended oil		R-2	
Weight	kg	9.3	
Inlet port diameter	mm	KF-16	
Ambient temperature	°C	7 – 40	
	°F	44.6 – 104	
Overall dimensions	mm	120(W) × 288.5(L) × 163(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	CE Marked	TUV Marked	cTUVus Marked
<b>GHD-031A</b>	Single phase, 100–120V	✓	✓	✓
<b>GHD-031B</b>	Single phase, 200–240V	✓	✓	✓

— : Not Available, ✓ : Available

## Pumping speed curve

