



Description

The 7149 is a vacuum pump for use with CalBenches and pressure calibration instruments. The pump is oil-less and features a shaded-pole, fan-cooled motor with thermal overload protection. The unit has dual pump heads that are connected in series for greater vacuum. It is an efficient and reliable vacuum source for testing applications.

When used with CalBench systems, the 7149-HCO option provides an ergonomic enclosure, and connection from pump to CalBench console. It provides a compact housing for the pump, designed to be situated at the rear lower section of the CalBench system. It decreases the standard noise of the pump to less than 30 dB so the pump is extremely quiet and not noticeable when running in the workshop environment. This is made possible by the sound proof materials used in the housing. Additionally the unit is mounted on four anti-vibration feet and the vacuum pump is internally fitted with shock absorbing mounts.

For output connection the 7149-HCO is fitted with a quick release port on the side of the enclosure, with hose supplied for connection to the rear of the CalBench console. For power, a mains cable connects directly from the enclosure to the CalBench console rear input power socket. This is internally wired to the 7082 module, then a switch dedicated to turning the vacuum pump on or off is accessible via the front panel.

Technical Specifications

7149 Pump	
Max vacuum	950 mbar (28 inHg)
Free-air capacity	0.85 cfm (24.0 L/min)
Port size	1/4 " NPT (F), 3/8 " hose barb on gauges
Motor type	Permanent split capacitor
Duty cycle	Continuous
Max temperature	38 °C (100 °F)
Wetted parts	Aluminum stainless steel, NORDEL, NOMEM
HP	1/4
Noise level	Approx. 68 dB
Dimensions	L 305 x W 140 x H 260 mm
Power / Amps	220 V AC, 50 Hz / 2 A
Stages	Dual/Series

7149-HCO: Housing & Connectivity Option for Vacuum Pump	
Dimensions	W 400 x H 300 x D 210 mm
Noise level	Below 30 dB
Housing material / Colour	Sheet steel / RAL 7035
Pressure connection	Quick release, hoses supplied
Power	Configured via CalBench console input socket

Pump Features

- Max vacuum: 950 mbar (28 in Hg)
- Free-air capacity: 0.85 cfm (24.0 L/min)
- Shaded-pole fan-cooled motor
- Thermal overload switch
- Heads connected in series for greater vacuum
- Suitable for vacuum supply to TE CalBench

7149-HCO Housing and Connectivity Option for CalBench

- Fits in the lower rear sections of the CalBench
- Internal sound proofing and anti-vibration mounting feet
- Lockable case with key for access to 7149 pump when required
- RAL 7035 colour, matches CalBench framework
- Quick release port on side of housing, connects to rear of console
- On/off switch on 7082 CalBench mains control module



Ordering information

7149..... Electrical Vacuum Pump
 7149-HCOHousing & connectivity option for 7149 vacuum pump

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.