

VHG

DC-POWERED VARIABLE SPEED HORIZONTAL ROTARY COMPRESSOR



AUTHORIZED REFRIGERANTS

Available



Planned



FEATURES & BENEFITS

REDUCE ENERGY CONSUMPTION

- High efficiency BLDC motors

COMPACT SIZE

- Horizontal rotary design for limited height applications

LARGE VOLTAGE RANGE

- From 12 to 850 DC voltage

EXTENSIVE APPLICATION & INTELLIGENT CONTROL

- Ready for hot gas defrost and heat pump operation
- CAN bus communication, optional IP67 controller enclosure

COMPRESSOR INFORMATION

CAPACITY RANGE*

- LBP: from 450 - 1550 Watts
- HBP: from 1100 - 3700 Watts

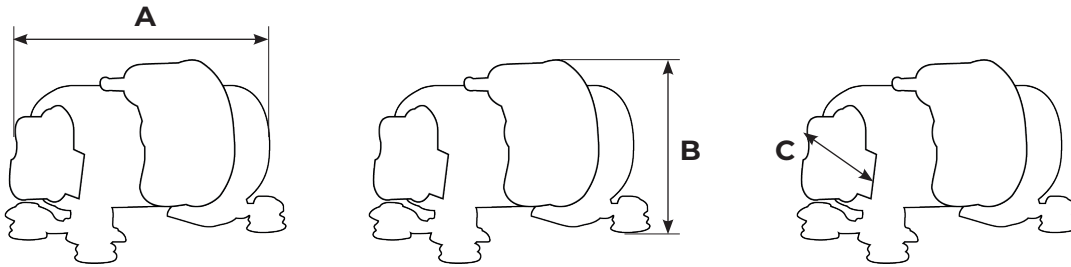
APPLICATIONS

- LBP temperature: -38°C to -12°C
- Air conditioning temperature: -23.3°C to +12.7°C

*LOW / FREEZER: -23.3°C evap, 49°C cond, 27.4°C SH, 0°C SC, 35°C ambient
HIGH / AIR CONDITIONING: 7.2°C evap, 54.4°C cond, 11.1°C SH, 8.3°C SC, 35°C ambient

DIMENSIONS

COMPRESSOR DISPLACEMENT	A (mm)	B (mm)	C (mm)
0982 (16.1cc)	283	183	143



CONTROLLER INFORMATION

Voltage range: 12-850 VDC, 50/60 Hz.

KEY FEATURES

- Start and Run the compressor
- Locked-Rotor protection
- Thermal protection
- Speed control
- Power and current control
- Provide diagnostic information
- Low and high voltage shutdown
- Additional features (software, bus connection)
- CAN bus communication
- Optional IP67 controller enclosure

FLYER-VHG-EN-2308©2023 Masterflux. All rights reserved.



DISCOVER
THE MASTERFLUX
PRODUCT RANGE
www.masterflux.com

 **MASTERFLUX**[®]
BY *Tecumseh*