

# 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

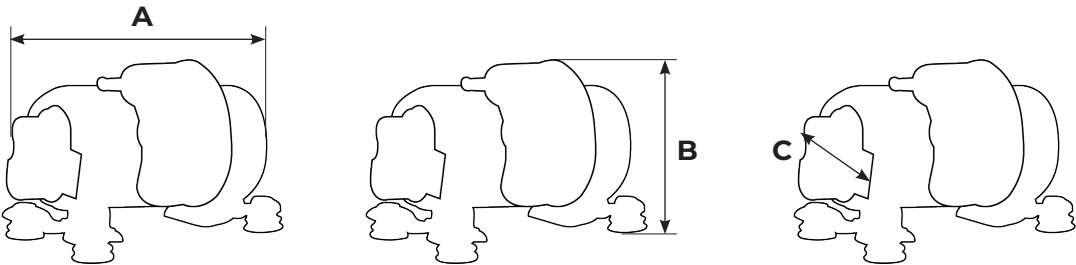
## APPLICATIONS

- 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

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