

SIERRA

THE HIGHEST LEVEL OF RELIABILITY



AUTHORIZED REFRIGERANTS

R-1234yf

R-513A

R-134a

R-290

R-452A

R-404A

FEATURES & BENEFITS

REDUCE ENERGY CONSUMPTION

- High efficiency motors with variable speed control

COMPACT SIZE

- Robust rotary
- Lightweight design ideally suited for mobile and transport applications

SUITABLE OPTIONS

- Dual compressor configurations for increased capacity

EXTENSIVE APPLICATION RANGE

- Large voltage ranges from 12VDC to 600VDC, and compressors available in multiple refrigerants including A2L

COMPRESSOR INFORMATION

CAPACITY RANGE*

- LBP: from 130 - 1802 Watts
- HBP: from 465 - 4500 Watts

APPLICATIONS

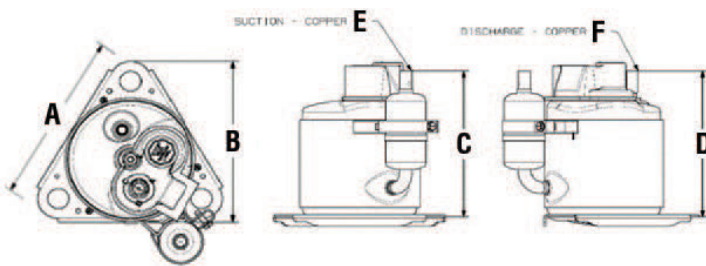
- LBP temperature: -40°C to -12°C
- Air conditioning temperature: -23.3°C to +12.7°C

*LOW / FREEZER: performance rated at -23.3°C evap., 49°C cond., 27.4°C superheat, 0°C subcooling, 35°C ambient.

HIGH / AIR CONDITIONING: performance rated at 7.2°C evap., 54.4°C cond., 11.1°C superheat, 8.3°C subcooling, 35°C ambient.

DIMENSIONS

COMPRESSOR DISPLACEMENT		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
0434 (7.1cc)	w/o Fittings	130	154	154 177	152 168	9.6 - 9.8	8.0 - 8.2
0716 (11.7cc)	w/o Fittings	130	154	160 184	180 196	12.8 - 12.9	8.0 - 8.2
0982 (16.1cc)	w/o Fittings	130	154	154 177	177 193	12.8 - 12.9	8.0 - 8.2



CONTROLLER INFORMATION

Voltage range: 12-600 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)

