



Compressor **MasterFlux Sierra (xx) – 0434 and 0982**

Excellence in high-efficiency refrigeration and air conditioning

The MasterFlux Sierra hermetic compressor models offer world class performance and durability. The rotating piston construction is a proved and long-life design that has a wide

speed range for optimum energy utilization, making it one of the most energy-conserving compressors in the industry.

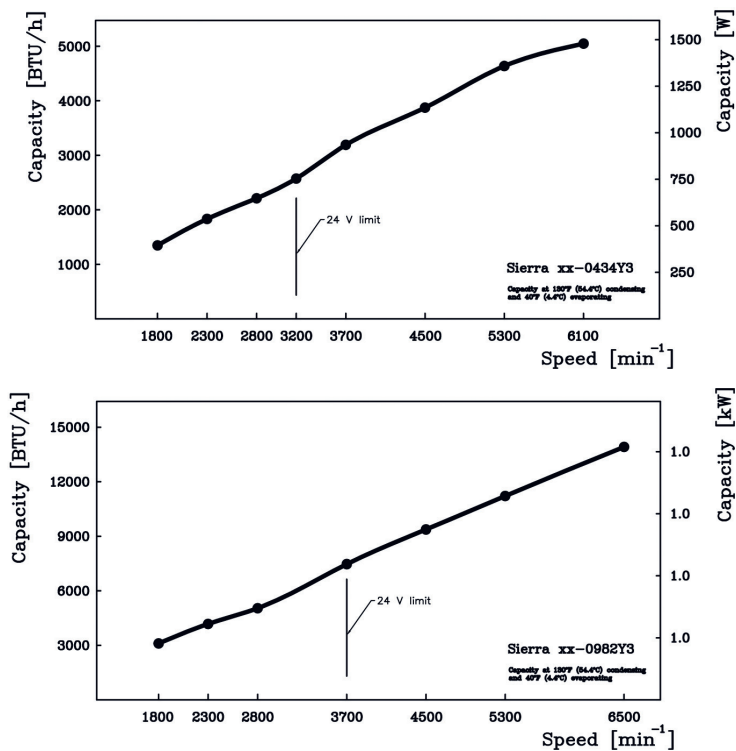


Features

- High efficiency permanent magnet motor and rotating piston compressor
- Wide range of capacity control (variable speed)
- Leak free hermetic construction
- State of the art PVE lubricant for increased service life
- Integrated suction accumulator
- Optimized for R134a

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MCC Compressors



Technical Data

| | Sierra (xx) – 0434 | Sierra (xx) - 0982 |
|---|---|---|
| Construction | Hermetic – rotating piston | Hermetic – rotating piston |
| Swept volume | 0.434 in ³ (7.1 cm ³) | 0.434 in ³ (7.1 cm ³) |
| Refrigerant | R134a | R134a |
| Capacity control | Variable speed: (1800 to 3200 min ⁻¹) – 24 V (1800 to 6100 min ⁻¹) – 48 V | Variable speed: (1800 to 4300 min ⁻¹) – 24 V (1800 to 6500 min ⁻¹) – 48 V |
| Oil Charge | PVE - 9.8 fl.oz (290 cm ³) | PVE - 9.8 fl.oz (290 cm ³) |
| Dimensions (L x W x H) (without rubber mounts) | 7.1" (180 mm) x 7.7" (195 mm) x 6.5" (165 mm) | 6.1" (155 mm) x 8.7" (220 mm) x 7.4" (188 mm) |
| Weight (without drive) | 10.5 lbs (4.8 kg) | 14.1 lbs (6.4 kg) |
| Motor | 3-phase permanent magnet | 3-phase permanent magnet |
| Voltage (supply to drive) | 12/24/48 VDC | 24/48 VDC |
| Sensitivity to phase sequence | Yes | Yes |


Mobile Climate Control