

K535

Twin Piston Integral Stirling Cryocooler

K535 → Twin Piston Linear Integral Stirling 7W@65K Cryocooler

Model K535 is specially built for durability under extreme outdoor conditions in order to provide high cooling power at a cryogenic temperature.

Among other applications the linear K535 is designed for detector cooling gas liquefier and cooling of antenna mounted HTSC RF filters for the cellular telephone industry.

Features

- Robust design for outdoor applications
- High reliability, flexure bearings technology
- Silent and dynamically balanced
- Electronic module consists of power conditioner, closed loop temperature controller, digital remote control capability and monitoring
- AC to DC power supply

Specifications

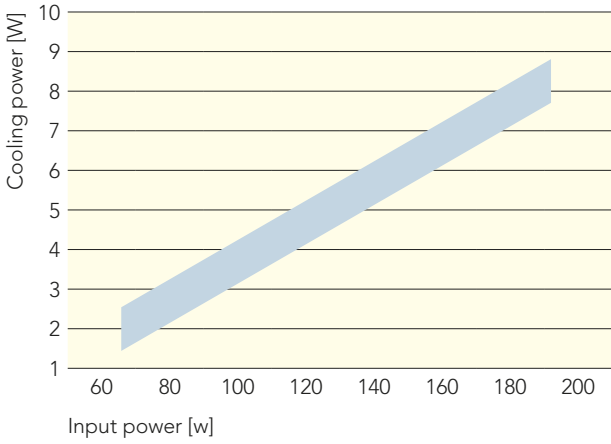
- Cooler Weight: 9.5 Kg.
- Input Power: 240W MAX. @50 ± 2VDC
- Skin Temperature Range:
 - Operational: -20°C ÷ +70°C
 - Non-Operational: -56°C ÷ +85°C
- Cooling Capacity @23°C Ambient: 7W @65K
- MTTF > 25,000 (Expected)
- Meets Environmental Conditions per MIL-STD-810D

Specifications are subject to change without notice

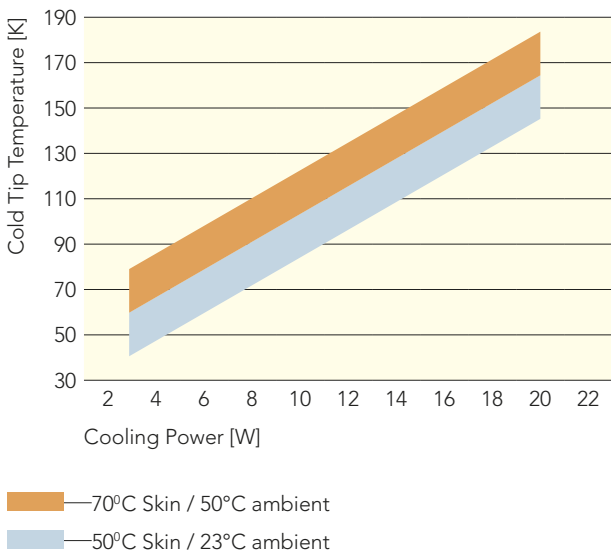
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Cooling Power Vs. Input Power @ 65K & 23°C ambient



Cold tip temp. Vs. cooling power @ 200W in power



Typical configuration options



Water Cooled NW40 Interface Flange



Forced Air Cooled DN40CF Interface Flange



LV (Low Vibration) Water Cooled

