## **CRYOMECH** Cryocooler Specification Sheet

## AL63 with CP103

## Cold head

Certified cooling capacity at 60 Hz\* *Reference operating range* \*reduced capacity at 50 Hz

Lowest temperature

Cool down time

Weight

Dimensions

Helium compressor package

Water cooled:

Weight

Dimensions

**Electrical rating** 

Power consumption at steady state

Cooling water flow rate

Air cooled: Weight Dimensions Electrical rating

Power consumption at steady state

<u>Flexible lines</u> Standard length Weight per pair

<u>System parameters</u> Helium pressure

Ambient temperature range <u>Maximum sound level</u> Water cooled Air cooled AL63 18 W at 30 K 5 W at 20 K 28 W at 40 K 37 W at 50 K

≤17 K with no load
<1 hour to bottom temperature</p>
10 lb (5 kg)
See cold head outline drawing
CP103, available as water or air cooled

188 lb (85 kg) See compressor package outline drawing 208/230VAC, 1Ph, 60Hz 200/220VAC, 1Ph, 50Hz 3.2 kW, 60Hz 2.8 kW, 50Hz Minimum flow 1.2 GPM (4.5 LPM) at 80 °F (27 °C) maximum temperature

204 lb (92.7 kg) See compressor package outline drawing 208/230VAC, 1Ph, 60Hz 200/220VAC, 1Ph, 50Hz 3.4 kW, 60Hz 2.9 kW, 50Hz

10 ft (3 m) 6.4 lb (2.9 kg)

220 ± 5 psig (15.2 ± .34 bar) at 60 Hz 220 ± 5 psig (15.2 ± .34 bar) at 50 Hz 45 °F to 100 °F (7 °C to 38 °C)

70 dBA at 1 meter 76 dBA at 1 meter

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