

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

Flexible lines

Standard length

Weight per pair

System parameters

Helium pressure

Ambient temperature range

Maximum sound level

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

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