

CRYOMECH**Cryocooler Specification Sheet****AL325 with CPA1110**Cold head

Certified cooling capacity at 60 Hz

Reference operating range

Lowest temperature

Cool down time

Weight

Dimensions

Helium compressor package

Weight

Dimensions

Electrical rating

Power consumption at steady state

Cooling water flow rate

Flexible lines

Standard length

Weight per pair

System parameters

Helium pressure

Ambient temperature range

Maximum sound level

Water cooled

AL325

100 W at 25 K

60 W at 20 K 140 W at 30 K 195 W at 40 K

≤17 K with no load

<1 hour to bottom temperature

49 lb (22 kg)

See cold head outline drawing

CPA1110, available as water cooled only

420 lb (191 kg)

See compressor package outline drawing

200/230 VAC, 3 Ph, 60 Hz

440/480 VAC, 3 Ph, 60 Hz

200 VAC, 3 Ph, 50 Hz

380/415 VAC, 3 Ph, 50 Hz

11.2 kW, 60Hz

10.4 kW, 50Hz

Minimum flow 3.0 GPM (11.4 LPM) at 80 °F (27 °C)
maximum temperature

10 ft (3 m)

15 lb (6.8 kg)

220 ± 5 psig (15.2 ± .34 bar) at 60 Hz

250 ± 5 psig (17.2 ± .34 bar) at 50 Hz

45 °F to 100 °F (7 °C to 38 °C)

76 dBA at 1 meter