

# CRYOMECH

## Cryocooler Specification Sheet

### AL325 with CPA1110

#### Cold head

Cooling capacities (60 Hz\*)

\*reduced capacities @ 50 Hz

Lowest temperature

Cool down time

Weight

Dimensions

AL325

100 W @ 25 K

≤16 K with no load

<1 hour to bottom temperature

48 lb (22 kg)

See cold head outline drawing

#### Helium compressor package

Weight

Dimensions

Electrical rating

CPA1110 available as water cooled only

420 lb (190.5 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

Power consumption @ steady state

11.2 kW // 10.4 kW

Cooling water flow rate

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

#### Helium flexible lines

Standard length

Weight per pair

10 ft (3 m)

15 lb (6.8 kg)

#### System parameters

Helium pressure

220 ± 5 psig (15.2 ± .34 bar) @ 60 Hz

250 ± 5 psig (17.2 ± .34 bar) @ 50 Hz

Ambient temperature range

45° F to 100° F (7° C to 38° C)

#### Maximum sound level

Water cooled

76 dBA @ 1 meter