

**CRYOMECH****Cryocooler Specification Sheet****AL600 with CPA1114**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

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

AL600

600 W at 80 K

350 W at 50 K   430 W at 600 K   510 W at 70 K

≤25 K with no load

&lt;1 hour to bottom temperature

92 lb (42 kg)

See cold head outline drawing

CPA1114, available as water cooled only

420 lb (191 kg)

See compressor package outline drawing

440/480 VAC, 3 Ph, 60 Hz

380/415 VAC, 3 Ph, 50 Hz

12.5 kW, 60Hz

11.5 kW, 50Hz

Minimum flow 3.5 GPM (13.3 LPM) at 80 °F (27 °C)  
maximum temperature

10 ft (3 m)

15 lb (6.8 kg)

230 ± 5 psig (15.9 ± .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