

# CRYOMECH

## Cryorefrigerator Specification Sheet

### AL600 with CP1114

#### Cold head

Cooling capacities (60 Hz*)	AL600	350W @ 50K	430W @ 60K
*reduced capacities @ 50 Hz		510W @ 70K	600W @ 80K
Lowest temperature		25K with no load	
Cool down time		15 minutes to 80K	
Weight		92 lb (41.8 kg)	
Dimensions		See cold head line drawing	

#### Compressor package

Weight	CP1114, available as water cooled only
Dimensions - L x W x H	470 lb (213 kg)
Electrical rating	24 x 24 x 31 in (61 x 61 x 79 cm)
Power consumption @ steady state	440/480VAC, 3Ph, 60Hz // 380/415VAC, 3Ph, 50Hz
Cooling water flow rate	12.5kW // 11.5 kW
	Minimum flow 3 GPM (11.4 LPM) @ 80°F (27°C) maximum temperature

#### Flexible lines

Standard length	10 ft (3 m)
Weight per pair	15 lb (6.8 kg)

#### System parameters

Helium pressure	230 ± 5 PSIG (15.9 ± .34 bar) @ 60 Hz
	250 ± 5 PSIG (17.2 ± .34 bar) @ 50 Hz
Ambient temperature range	45°F to 100°F (7 to 38°C)

#### Maximum sound level

Water cooled	76 dBA @ 1 meter
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#### Shipping crate

Weight	Wood box
Dimensions - L x W x H	730 lb (331 kg)
	48 x 40 x 59 in (122 x 102 x 150 cm)