

## Cryorefrigerator Specification Sheet

### AL325 with CP1110

#### Cold head

Cooling capacities AL325  
100W @ 25K  
Lowest temperature 12K with no load  
Cool down time <1 hour to bottom temp  
Weight 48 lb (22 kg)  
Dimensions See cold head line drawing

#### Compressor package

CP1110, available as water cooled only  
Weight 420 lb (190.5 kg)  
Dimensions - L x W x H 24 x 24 x 31 in (61 x 61 x 79 cm)  
Electrical rating 200/230 or 440/480VAC, 3Ph, 60Hz // 200 or 380/415VAC, 3Ph, 50Hz  
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

#### Flexible lines

Standard length 10 ft (3 m)  
Weight per pair 15 lb (7 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 to 38°C)

#### Maximum sound level

Water cooled 76 dBA @ 1 meter

#### Shipping crate

Wood box  
Weight 650 lb (295 kg)  
Dimensions - L x W x H 48 x 40 x 59 in (122 x 102 x 150 cm)