

CRYOMECH

Cryorefrigerator Specification Sheet

PT415 with CP1110

Cold head

Cooling capacity @ 50 and 60 Hz:
2nd stage and 1st stage combined

Lowest temperature

Cool down time

Weight

Dimensions

PT415

1.5W @ 4.2K with 40W @ 45K

2.8K with no load

60 minutes to 4K

55 lb (25 kg)

See cold head line drawing

Compressor package

Weight

Dimensions - L x W x H

Electrical rating

Power consumption @ steady state

Cooling water flow rate

CP1110, available as water cooled only

420 lb (190.5 kg)

24 x 24 x 31 in (61 x 61 x 79 cm)

200/230 or 440/480VAC, 3Ph, 60Hz // 200 or 380/415VAC, 3Ph, 50Hz

10.7 kW // 9.2 kW

Minimum flow 3 GPM (11.5 LPM) @ 80°F (27°C) maximum temperature

Flexible lines

Standard length

Weight per pair

66 ft (20.1 m)

90 lb (41kg)

System parameters

Helium pressure

Ambient temperature range

220 ± 5 PSIG (15.2 ± .34 bar) @ 60 Hz

250 ± 5 PSIG (17.2 ± .34 bar) @ 50 Hz

45°F to 100°F (7 to 38°C)

Maximum sound level

Water cooled

76 dBA @ 1 meter

Shipping crate

Weight

Dimensions - L x W x H

Wood box

650 lb (295 kg)

48 x 40 x 59 in (122 x 102 x 150 cm)