

# CRYOMECH

## Cryorefrigerator Specification Sheet

### PT410 with CP289C

#### Cold head

Cooling capacity @ 50 and 60 Hz: 2 <sup>nd</sup> stage and 1 <sup>st</sup> stage combined	PT410 1.0W @ 4.2K with 35W @ 45K
Lowest temperature	2.8K with no load
Cool down time	60 minutes to 4K
Weight	43 lb (19.5 kg)
Dimensions	See cold head line drawing

#### Compressor package

Weight	CP289C, available as water cooled only 295 lb (134 kg)
Dimensions - L x W x H	27 x 19 x 24.5 in (69 x 48 x 62 cm)
Electrical rating	220/230 or 460VAC, 3Ph, 60Hz // 200/220 or 380/420VAC, 3Ph, 50Hz
Power consumption @ steady state	8.4 kW // 7.9 kW
Cooling water flow rate	Minimum flow 2.3 GPM (9 LPM) @ 80°F (27°C) maximum temperature

#### Flexible lines

Standard length	66 ft (20.1 m)
Weight per pair	72 lb (32.7 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	70 dBA @ 1 meter
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#### Shipping crate

Weight	Wood box 605 lb (276 kg)
Dimensions - L x W x H	48 x 40 x 59 in (122 x 102 x 150 cm)