

# CRYOMECH

## Cryorefrigerator Specification Sheet

### PT405 with CP2850 or CP2870

<u>Cold head</u>	PT405
Cooling capacity @ 50 and 60 Hz: 2 <sup>nd</sup> stage and 1 <sup>st</sup> stage combined	0.5W @ 4.2K with 25W @ 65K
Lowest temperature	2.8K with no load
Cool down time	60 minutes to 4K
Weight	32 lb (14.5 kg)
Dimensions	See cold head line drawing
<u>Compressor package</u>	CP2850 for 60Hz power; CP2870 for 50Hz power Both models available as water cooled only
Weight	263 lb (120 kg)
Dimensions - L x W x H	19 x 18 x 22 in (48 x 46 x 56 cm)
Electrical rating	220/230 or 460VAC, 3Ph, 60Hz // 200/220 or 380/420VAC, 3Ph, 50Hz
Power consumption @ steady state	4.9 kW // 5.4 kW
Cooling water flow rate	Minimum flow 2.3 GPM (9 LPM) @ 80°F (27°C) maximum temperature
<u>Flexible lines</u>	
Standard length	10 ft (3 m)
Weight per pair	9.2 lb (4.2 kg)
<u>System parameters</u>	
Helium pressure	220 ± 5 PSIG (15.2 ± .34 bar) @ 60 Hz 190 ± 5 PSIG (13.1 ± .34 bar) @ 50 Hz
Ambient temperature range	45°F to 100°F (7 to 38°C)
<u>Maximum sound level</u>	
Water cooled	70 dBA @ 1 meter
<u>Shipping crate</u>	Wood box
Weight	435 lb (198 kg)
Dimensions - L x W x H	41 x 30 x 36 in (104 x 76 x 92 cm)