

CRYOMECH**Cryocooler Specification Sheet****PT415-RM with CPA1110**

<u>Cold head</u>	PT415-RM
Certified Cooling Capacity	1.35 W at 4.2 K with 40 W at 45 K
Lowest temperature	≤ 2.8 K with no load
Cool down time	60 minutes to 4.2 K
Total weight	57 lb (25.9 kg)
Expander	29 lb (13.2 kg)
Remote motor	19 lb (8.6 kg)
Reservoir volumes	9 lb (4.1 kg)
Dimensions	See cold head outline drawing
<u>Helium compressor package</u>	CPA1110, available as water cooled only
Weight	420 lb (191 kg)
Dimensions	See compressor package outline drawing
Electrical rating	200/230 VAC, 3 Ph, 60 Hz 440/480 VAC, 3 Ph, 60 Hz 200 VAC, 3 Ph, 50 Hz 380/415 VAC, 3 Ph, 50 Hz
Power consumption at steady state	10.7 kW, 60Hz 9.9 kW, 50Hz
Cooling water flow rate	Minimum flow 3.0 GPM (11.4 LPM) at 80 °F (27 °C) maximum temperature
<u>Flexible lines</u>	
Standard length	66 ft (20 m)
Weight per pair	120 lb (54 kg)
<u>System parameters</u>	
Helium pressure	220 \pm 5 psig (15.2 \pm 0.34 bar) at 60 Hz 250 \pm 5 psig (17.2 \pm 0.34 bar) at 50 Hz
Ambient temperature range	45 °F to 100 °F (7 °C to 38 °C)
Maximum sound level	76 dBA at 1 meter