



CRYOMECH

Cryorefrigerator Specification Sheet

AL10 (2101000) with CP810 (1811111, 1811112, 1811115, 1811116, 1812111, 1812112, 1812115 or 1812116)

Cold head weight:	6 LB (2.7 KG)
Dimensions:	See Cold Head Line Drawing
Compressor package model:	CP810, available as water- or air-cooled
Compressor package weight (water):	130 LB (59 KG)
Compressor package weight (air):	139 LB (63 KG)
Dimensions (L x W x H, water):	18 x 18 x 22 IN (46 x 46 x 56 CM)
Dimensions (L x W x H, air):	19 x 22 x 22 IN (48 x 56 x 56 CM)
Power consumption (water):	1.0 kW @ 115 or 208/230 VAC, 1 phase, 60 Hz 100 or 200 VAC, 1 phase, 50 Hz
Power consumption (air):	1.2 kW @ 115 or 208/230 VAC, 1 phase, 60 Hz 100 or 200 VAC, 1 phase, 50 Hz
Cooling water (water only):	Minimum flow 0.5 GPM (2 LPM) @ 80°F (27°C) maximum temperature
Ambient temperature range:	45°F to 100°F (7 to 38°C)
System helium pressure:	200 ± 5 PSIG @ 60 Hz 200 ± 5 PSIG @ 50 Hz
Cooling capacity in Watts (60Hz*):	1W@25K 2W@30K 14W@80K
Lowest temperature:	<20K
Cool down time:	15 minutes to 80K
Shipping weight:	215 LB (98 KG) wood box
Shipping dimensions (L x W x H):	41 x 30 x 36 IN (104 x 76 x 92 CM)

* Note: reduced capacities @ 50 Hz.



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