

CRYOMECH

Cryorefrigerator Specification Sheet

PT810 with CP289C

Cold head

Cooling capacity @ 50 and 60 Hz:

2nd stage with unloaded 1st stage

2nd stage and 1st stage combined

Lowest temperature

Cool down time

Weight

Dimensions

PT810

4W @ 10K

14W @ 20K with 80W @ 80K

8K with no load

60 minutes to 10K

43 lb (19.5 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

CP289C, available as water cooled only

295 lb (134 kg)

19 x 27 x 22 in (48 x 46 x 56 cm)

220/230 or 460VAC, 3Ph, 60Hz // 200/220 or 380/420VAC, 3Ph, 50Hz

8 kW // 7.2 kW

Minimum flow 2.3 GPM (9 LPM) @ 80°F (27°C) maximum temperature

Flexible lines

Standard length

Weight per pair

40 ft (12.2 m)

45 lb (20.4 kg)

System parameters

Helium pressure

Ambient temperature range

210 ± 5 PSIG (14.5 ± .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

70 dBA @ 1 meter

Shipping crate

Weight

Dimensions - L x W x H

Wood box

510 lb (232 kg)

48 x 30 x 48 in (122 x 76 x 122 cm)