

**CRYOMECH****Cryocooler Specification Sheet****PT63 with CP103****Cold head**

Certified cooling capacity at 60 Hz\*

*Reference operating range*

\*reduced capacity at 50 Hz

Lowest temperature

Cool down time

Weight

Dimensions

**Helium compressor package**

Water cooled:

Weight

Dimensions

Electrical rating

Power consumption at steady state

Cooling water flow rate

Air cooled:

Weight

Dimensions

Electrical rating

Power consumption at steady state

**Helium flexible lines**

Standard length

Weight per pair

**System parameters**

Helium pressure

Ambient temperature range

**Maximum sound level**

Water cooled

Air cooled

**PT63**

11 W at 30 K

22 W at 40 K    17 W at 35 K

≤25 K with no load

20 minutes to 80 K

18 lb (4.2 kg)

See cold head outline drawing

**CP103 available as water or air cooled**

188 lb (85.5 kg)

See compressor package outline drawing

208-230 VAC, 1 Ph, 60 Hz

200-220 VAC, 1 Ph, 50 Hz

3.2 kW at 60 Hz

2.8 kW at 50 Hz

Minimum flow 1.2 GPM (4.5 LPM) at 80° F (27° C)  
maximum temperature

204 lb (92.7 kg)

See compressor package drawing

208-230 VAC, 1 Ph, 60 Hz

200-220 VAC, 1 Ph, 50 Hz

3.4 kW at 60 Hz

3.1 kW at 50 Hz

10 ft (3.0 m)

6.4 lb (2.9 kg)

220 ± 5 psig (15.2 ± .34 bar) at 60 Hz

220 ± 5 psig (15.2 ± .34 bar) at 50 Hz

45° F to 100° F (7° C to 38° C)

70 dBA at 1 meter

76 dBA at 1 meter