

The Medtronic Cobe Century Heart Lung Machine incorporates features that perfusionists need and want most; a sturdy and compact design, easy to use components and precise perfusion control.

Features:

- Arterial Pump - Easily configurable Bio-Console 560 Extracorporeal Blood Pumping Console.
- Cardioplegia Delivery System
- Data Management
- Base Console and Rollers



Specifications:

Perfusion Pumps

Dimensions:

Length: 22.1 in (56 cm)

Width: 7.1 in (18 cm)

Height: 13 in (33 cm)

Weight: 57 lbs (26 kg)

Display Accuracy (RPM): $\pm 2\%$ of reading or \pm count whichever is greater (without load).

Power:

Power Consumption

Maximum: 280 Watts

Normal: 150 Watts

Leakage Current

100/115 VAC 12mA rms maximum

230 VAC 20 mA rms maximum

Occlusion: 230 VAC 20 mA rms maximum

Console Bases:

3: Width: 27 in (69 cm); **Weight:** 97 lbs (44 kg)

4: Width: 34 in (86 cm); **Weight:** 105 lbs (48 kg)

5: Width: 41 in (104 cm); **Weight:** 113 lbs (51 kg)

6: Width: 48 in (122 cm); **Weight:** 121 lbs (55 kg)

7: Width: 55 in (140 cm)

- **Power:** 50/60 Hz; 230 VAC.

Computerized Profusion Controller

Dimensions:

Electronics Module

Depth: 21 in (53 cm)
Width: 7.1 in (18 cm)
Height: 12 in (31 cm)
Weight 30 lbs (13.6 kg)

Display Module

Depth: 2.4 in (6 cm) Without Mount
Depth: 8.7 in (22 cm) Without Fixed Mount
Width: 13.3 in (34 cm)
Height: 9.3 in (24 cm)
Weight 9 lbs (4 kg) With Mount

Timers (3 Channels):

Range: 00:00:00 to 99:59:59 (hours: minutes: seconds)
Accuracy: \pm 1% of elapsed time

Power:

Power Consumption

Maximum: 80 Watts

Circuit Breakers

1.0 Amp at 100/115 VAC

0.6 Amp at 230 VAC

Leakage Current

100/115 VAC 20 mA rms maximum

230 VAC 40 mA rms maximum

Temperature Monitors: (6 Channels)

Display range: 0-50. C

Display resolution: 0.1.

Accuracy: \pm 1.0.C w/probe

Transducer compatibility

YSI-400 and YSI-500 with calibration

Pressure Monitor - 2 Channels

Pressure Alarm range: -200 to +400 mmHg

Pressure limited range -210 to +450 mmHg

Accuracy ± 8 mmHg with transducer

Air Emboli Protection System (AEPS):

AEPS Open Reservoir Level Detection

Sensitivity: Within diameter of transducer (1 cm/0.4in.)~ 0 40 Hct. blood temperature 10-40 °C

Computerized Profusion Controller Cont.

AEPS Bubble Detection Sensitivity

> 0.7 ml at flow rates < 6.5 lpm with 3/8" x 3/32" tubing (PVC only)

> 0.3 ml at flow rates < 3.0 lpm with 1/4" x 3/32" tubing (PVC only)

Response time for pump control: <1 second

Arterial line tubing compatibility: 3/8" x 3/32" or 1/4" x 3/32" (PVC only)

Cardioplegia Delivery System Display Range

Last volume delivered: 0 to 9999 ml

Total volume delivered: 0 to 9999 ml

Time since last delivery: 0 to 99:59:59 (hours: minutes: seconds)

Accuracy: $\pm 10\%$ of desired volume

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