Physical Specifications

Physical BeneVision N12
Dimension: 11.4" (H) x 12.3" (W) x 6.3" (D)
Weight: 9.0 lb (4.1 kg) standard parameters, excluding modules, recorder, battery, and accessories

Physical BeneVision N15
Dimension: 12.3" (H) x 15.6" (W) x 7.6" (D)
Weight: 11.9 lb (5.4 kg) standard parameters, excluding modules, recorder, battery, and accessories

Physical BeneVision N17
Dimension: 14.0" (H) x 18.3" (W) x 8.3" (D)
Weight: 16.1 lb (7.3 kg) standard parameters, excluding modules, recorder, battery, and accessories

Electrical Ratings
Type of Protection: Class I
Degree of Protection: MPM/IBP/C.O./NMT/EEG module: CF
ScvO\textsubscript{2}/CO\textsubscript{2}/AG/rSO\textsubscript{2} module: BF
Protection Against Ingress of Fluids: IPX1

Power Requirements
AC Voltage: 100 to 240 VAC (±10%)
Current: 2.0 to 0.9 A
Frequency: 50 Hz/60 Hz (±3 Hz)
Fuse: Time-lag 250 V T3.15 A

Environmental Conditions
Operating Temperature
0°C to 40°C: Main unit, MPM module, individual module of SpO\textsubscript{2}, TEMP, IBP, CO, CCO/SvO\textsubscript{2}, NMT, EEG, and BeneLink, recorder
0°C to 40°C: Microstream CO\textsubscript{2} module
5°C to 40°C: Sidestream CO\textsubscript{2} module
10°C to 40°C: AG module, ScvO\textsubscript{2} module
16°C to 32°C: rSO\textsubscript{2} module

Storage Temperature
-20°C to 60°C: Main unit, MPM module, individual module of SpO\textsubscript{2}, TEMP, IBP, CO, CCO/SvO\textsubscript{2}, NMT, AG, Microstream/Sidestream CO\textsubscript{2}, EEG, and BeneLink, recorder
-20°C to 70°C: rSO\textsubscript{2} module

Operating Humidity:
15 to 95% (non condensing): Main unit, MPM module, individual module of SpO\textsubscript{2}, TEMP, IBP, CO, CCO/SvO\textsubscript{2}, NMT, AG, Microstream/Sidestream CO\textsubscript{2}, EEG, and BeneLink, recorder
15 to 75% (non condensing): ScvO\textsubscript{2} module
20 to 80% (non condensing): rSO\textsubscript{2} module
10 to 95% (non condensing): Main unit, MPM module, individual module of SpO\textsubscript{2}, TEMP, IBP, CO, CCO/SvO\textsubscript{2}, NMT, AG, Microstream/Sidestream CO\textsubscript{2}, EEG, and BeneLink, recorder
10 to 90% (non condensing): ScvO\textsubscript{2} module

Operating Atmospheric Pressure:
427.5 to 805.5 mmHg: Main unit, MPM module, individual module of SpO\textsubscript{2}, TEMP, IBP, CO, CCO/SvO\textsubscript{2}, NMT, EEG, and BeneLink, recorder
430 to 790 mmHg: Microstream/Sidestream CO\textsubscript{2} module
525 to 805.5 mmHg: AG module
435.7 to 822 mmHg: rSO\textsubscript{2} module

Interfacing
AC Power Connector: 1
RJ45 Network Connector, 100 Base-TX, IEEE 802.3: 1
USB 2.0 Connector: N17: 4, N15/N12: 4
Nonstandard USB SMR Connector: N17/N15: 1 to connect SMR, N1/T1 docking station
N12: 1 to connect N1/T1 docking station
Standard DVI-D Video Interface Connector:
N17: 2, N15/N12: 1
BNC Connector: 1
Equipotential Grounding Terminal: 1
Multifunction Connector for Defib Sync and Analog Output:
1 on multi-parameter module

Module Slot:
N17/N15: 6 slots, N12: 4 slots
Barcode Scanner: Support 1D and 2D barcode
Keyboard and Mouse: Support wire and wireless type
Remote Control: Support
Network Printer: Support

Battery
Type: Rechargeable lithium-ion
Number of Battery: 1
Capacity: 4500 mAh, 11.1 VDC
Run Time:
When powered by a new fully-charged battery at 25°C ±5°C with 5-lead ECG, SpO\textsubscript{2}, and auto NIBP measurements every 15 min, and screen brightness set to 1
N17/N15: >2 hr, N12: >4 hr
Recharge Time: 4.5 hr to 90% when the monitor is off
BeneVision N12/N15/N17 PATIENT MONITORS

Physical Specifications

N12 Top

N12 Front

N12 Side

N15 Top

N15 Front

N15 Side

N17 Top

N17 Front

N17 Side

mindray NORTH AMERICA
Physical Specifications

Mounting Solutions

Variable Height Mount (VHM)
Moment Load: 40 lbs (18.1 kg)

Pivot Arm Wall Mount
Moment Load: 60 lbs (27.2 kg)

Lateral Range of Motion

Vertical Range of Motion
+60° to -34°
BeneVision N12/N15/N17  PATIENT MONITORS

Physical Specifications

<table>
<thead>
<tr>
<th>N12 Rolling Stand</th>
<th>N15/N17 Rolling Stand</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimension:</strong></td>
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</tr>
<tr>
<td>42.3” (H) x 20.4” (W) x 23.5” (D)</td>
<td>43” (H) x 24.3” (W) x 25.7” (D)</td>
</tr>
<tr>
<td>107.4 cm (H) x 51.7 cm (W) x 59.6 cm (D)</td>
<td>109.3 cm (H) x 61.7 cm (W) x 65.2 cm (D)</td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
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</tr>
<tr>
<td>35 lb (15.9 kg)</td>
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