

TECHNICAL SPECIFICATIONS

DIMENSIONS

| Component | inches | millimeters |
|---|--------|-------------|
| Height (enclosure, overall) | 3.46 | 87.9 |
| Width across mounting flange | 19.01 | 483 |
| Width across body of enclosure | 17.44 | 443 |
| Depth from front mounting flange to extremity of enclosure body | 22.71 | 576.8 |
| Depth from Ops Panel to furthest extremity of enclosure | 24.79 | 629.6 |
| Depth from front mounting flange to furthest extremity of enclosure | 23.74 | 602.9 |

WEIGHTS

| Component | Weight (kg) | Weight (lb.) |
|---|-------------|--------------|
| Enclosure (empty) | 4.8 | 10.56 |
| Drive Carrier | 0.9 | 1.98 |
| Dummy Drive Carrier | 0.05 | 0.11 |
| PCM | 2.7 | 5.94 |
| I/O Module | 1.5 | 3.3 |
| Blank I/O Module | 0.5 | 1.1 |
| Enclosure (Fully Populated) Total Weight (maximum) | 26 | 57.2 |

ENVIRONMENT

Table A-1: Ambient Temperature and Humidity

| | Temperature Range | Relative Humidity | Max. Wet Bulb |
|-----------------|-------------------|------------------------------|---------------|
| Operational | 5°C to 40°C | 8% to 80% non-condensing | 23°C |
| Non-Operational | 1°C to +50°C | 8% to 80% non-condensing | 27°C |
| Storage | 1°C to +60°C | 5% to 80% non-condensing | 29°C |
| Shipping | -40°C to +60°C | 5% to 100% non-precipitating | 29°C |

| | |
|---|---|
| Airflow | System must be operated with low pressure rear exhaust installation (Back pressure created by rack doors and obstacles not to exceed 5 pascals [0.5mm Water gauge]) |
| Altitude, Operational | 0 to 3045 m (0 to 10,000ft) |
| Altitude, Non-Operational | -305 to 12,192m (-1000 to 40,000ft) |
| Shock, Operational | Vertical axis 5g peak 1/2 sine, 10ms |
| Shock, Non-Operational | 20g 10ms 1/2 sine (test w drives) 30g 10ms 1/2 sine (test w/o drives) |
| Vibration, Operational | 0.21grms 5-500 Hz Random |
| Vibration, Non-Operational | 0.8grms 2-200 Hz Random (test w drives) 1.04grms 2-200 Hz Random (test w/o drives) |
| Vibration, Relocation | 0.15g 2-200 Hz sine (test w drives) 0.3g 2-200 Hz sine (test w/o drives) |
| Acoustics | Sound Power <ul style="list-style-type: none"> • SATA Drives: Less than 6.8 B Lwa - idle @ 20°C ambient • SAS Drives: TBD |
| Orientation & Mounting <ul style="list-style-type: none"> • Rack Rails • Rack Characteristics | 19" Rack mount (2EIA Units) To fit 800mm depth racks compliant with the SSI Server Rack Specification Back pressure not exceeding 5 pascals (0.5mm water gauge) |

POWER COOLING MODULE (2 X 580W)

| | |
|--------------------------------|---|
| Dimensions | 84.3mm High x 104.5mm wide x 340.8mm Long (3.32in x 4.11in x 37.03in) |
| Maximum Output Power | 580 W |
| Voltage Range | 100 - 240 VAC Rated |
| Frequency | 50/60 Hz |
| Voltage Range Selection | Auto Ranging: 90 - 264 VAC, 47/63Hz |
| Maximum Inrush Current | 20A |
| Power Factor Correction | ≥95% @ nominal input voltage |
| Harmonics | Meets EN61000-3-2 |
| Output | +5 V @: 42A, +12 V:@ 36A, +5 V standby voltage @ 2 A |
| Operating Temperature | 0° to 57°C |
| Hot Pluggable | |
| Switches & LEDs | AC Mains Switch and four status indicator LEDs |
| Enclosure Cooling | Dual axial cooling fans with variable fan speed control |

DRIVE CARRIER MODULE

Important info: Disk drives must be UL approved. Operating the LaCie 12big Rack Serial 2 with non-approved drives may invalidate the warranty.

Drive Carrier

| | |
|-----------------------|--|
| Module Dimensions | Height 26.6 mm Width 106.5 mm Depth 220.2 mm |
| Weight | 0.8 kg (1.0" 300Gb drive) |
| Operating Temperature | 5° C to 35° C |
| Power Dissipation | 18 Watts maximum |

Drives

- 3.0Gb/s direct dock SAS (up to 15000 rpm)
- 3.0Gb/s dual path SATA (up to 7200 rpm) via Active/Active SATA Transition Card

I/O MODULES

Please refer to the SBB I/O Module Installation Guide (P/N xxxxx-01) for technical details of available I/O Modules.