



Spectral Dynamics, Inc.
SD B Series Pneumatic Shock and Bump Machine

Specification Table

| Specification | SD B50 | SD B100 | SD B200 | SD B300 | SD B500 | SD B1000 | SD B1500 |
|--|---|-------------|--|--|--|----------------|----------------|
| Max Payload (kg) | 50 | 100 | 200 | 300 | 500 | 1000 | 1500 |
| Mounting Table Size (mm X mm) | 500X700 | 700X700 | 800X800 | 860X860 | 1000X1000 | 1200X1200 | 1500X1500 |
| Bump Wave Form | Sine | | | | | | |
| Acceleration (g) | 2-120 | 3-100 | 3-100 | 3-100 | 3-80 | 4-80 | 4-60 |
| Pulse Duration (ms) | 1.5-20 | 2-20 | | 3-20 | | 4-20 | 5-18 |
| Drop Distance (mm) | 0-120 | | 0-180 | | 0-200 | | |
| Bump Cycles per minute | 0-120 | | 0-100 | | 0-80 | | 0-60 |
| Max Velocity Changing (m/s) | 2.20 | | 2.65 | | 2.80 | | |
| Physical Size and Weight | | | | | | | |
| Machine Wt (kg) | 1100 | 1250 | 2400 | 3100 | 3850 | 5100 | 6800 |
| Machine Size LXDHX (mm) | 800X640X710 | 850X820X720 | 1000X930X920 | 1100X1000X960 | 1300X1220X1080 | 1580X1470X1150 | 1950X1760X1260 |
| Environment | | | | | | | |
| Compressed Air Pressure (kg/cm ²) | 7-8 | | | | | | |
| Compressed Air Flow (m ³ /minute) | 1.6 | 2.0 | 3.2(A 2m ³ air tank is required.) | 3.6(A 3m ³ air tank is required.) | 4.0(A 3m ³ air tank is required.) | | |
| Machine Power consumption (kVA) | 2 | | | | | | |
| Compressor Power consumption (kVA) | 11 | 15 | | 22 | | 30 | |
| Temperature Range | 0°C-40°C | | | | | | |
| Humidity | ≤90% (25°C) non-condensing | | | | | | |
| Seismic Base | Required. The mass information will be offered after PO placed. | | | | | | |
| Control and Measurement | | | | | | | |
| Bump or Shock needing Measurement | MIS02 Pneumatic Shock Control and Measurement System | | | | | | |
| Compliant Standard | | | | | | | |
| GB/T2423.5, GB/T2423.6, IEC68-2-29, JIG497-200, MILSTD-810, ISO. | | | | | | | |

All the features make the SD B a reliable and affordable system for your applications.

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