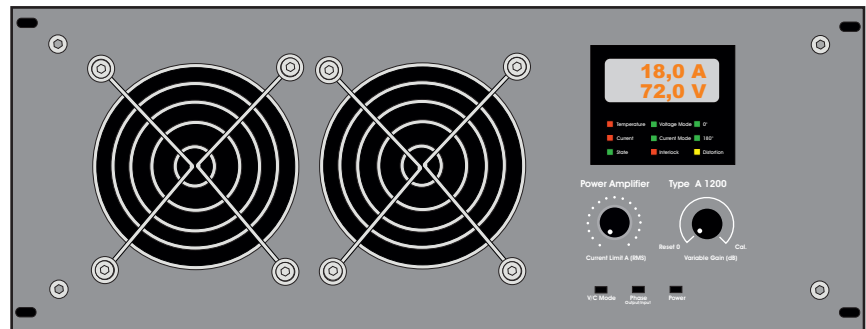


# Inertial Vibration System

## Type 645 HV



### TECHNICAL SPECIFICATION INERTIAL VIBRATION SHAKER TYPE 645 HV

|  |             |         |         |
|--|-------------|---------|---------|
| Rated peak force (N   lbf)             | Sine/Random | 645/400 | 145/90  |
| Frequency range (Hz)                   |             | DC-1800 | DC-1800 |
| Max. rated travel (mm   inch)          | Pk-Pk       | 9       | 0.4     |
| Max. velocity (m/sec   inch/sec)       | Sine/Random | 1.4/1.4 | 55/55   |
| Max. acceleration (g)                  | Sine/Random | 2.6/1.6 | 2.6/1.6 |
| Suspension stiffness (N/mm   lbf/inch) |             | 95      | 542.5   |
| Effective moving mass (kg   lb)        |             | 0.90    | 1.98    |
| Weight (kg   lb)                       |             | 25      | 55.1    |
| Coupling Thread (ø/mm)                 |             | M12     | M12     |

### TECHNICAL SPECIFICATION AMPLIFIER TYPE A 1200

|                                       |   |                 |                 |
|---------------------------------------|---|-----------------|-----------------|
| Continuous sine output power (VA)     |   | 1200            | 1200            |
| Frequency range at small signal (Hz)  |   | DC-50000        | DC-50000        |
| Frequency range at full power (Hz)    |   | 40-10000        | 40-10000        |
| Max. voltage (V)                      |   | 72              | 72              |
| Max. current (A)                      |   | 18              | 18              |
| Max. power consumption at 230 V (kVA) | Amplifier/Blower                                | 1.25/1.4        | 1.25/1.4        |
| Optimum impedance (Ohm)               |   | 4               | 4               |
| Nonlinear harmonic distortion factor  |   | < 0.1 %         | < 0.1%          |
| Max. Input voltage (V)                |   | 5               | 5               |
| Noise and hum (dB)                    |   | > 90            | > 90            |
| Dimensions WxHxD (mm   inch)          |   | 482 x 176 x 593 | 19 x 6.9 x 23.3 |
| Weight (kg   lb)                      |   | 40              | 88.2            |
| Protection circuits                   | Current limiting, Temperature control, Clipping |                 |                 |

### TECHNICAL SPECIFICATION BLOWER TYPE SB 0140

|  |  |                 |                  |
|--|--|-----------------|------------------|
| Max. volume flow (m³/h   ft³/min)          |  | 140             | 82.4             |
| Max. total pressure difference (hPa   psi) |  | 120             | 1.74             |
| Power (KW)                                 |  | 1.1             | 1.1              |
| Hose diameter (mm   inch)                  |  | 50              | 1.97             |
| Weight (kg   lb)                           |  | 16              | 35.3             |
| Dimensions WxHxD (mm   inch)               |  | 287 x 305 x 258 | 11.3 x 12 x 10.2 |