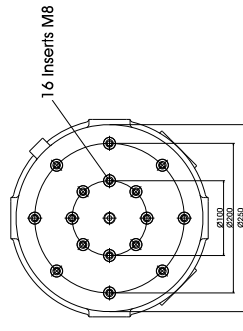
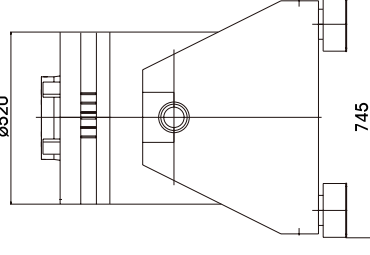
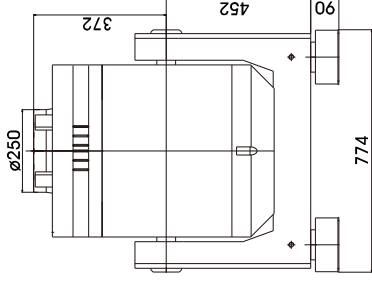


**TECHNICAL PARAMETERS** Vibration exciter S 56280/LSS-250

Rated peak force $S_{pk}/Random_{rev}/Shock_{pk}^1$	8000/6000/20000 N
Frequency range	5-2000 Hz >2000 Hz
Main resonance frequency	100 mm
Max. displacement Peak-Peak <sup>2</sup>	2.0/2.0/4.5 m/s
Max. velocity Sine/Random/Shock	68/48/136 g
Max. acceleration Sine/Random/Shock <sup>1</sup>	electronically adjustable
Suspension stiffness	13.0 kg
Effective moving mass	50 kg
Max. weight tested	850 kg
Weight	<1.5/<0.8 mT
Magn. stray field Std./low degaussing	Temperature, displacement, cooling air, overcurrent
Armature diameter	250 mm
Interlocks	

1) theoretical maximum shock value. Depends on payload, amplifier, shock and shock width  
2) only with foundation mounting



**SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM**

**Scope of delivery:**

- Vibration exciter 8 kN
- Swivel frame
- Power amplifier 22.5 kVA
- Cooling blower
- Connection cables (each 5 m)
- Power cables (5 m)
- for amplifier (CEE 32 connector)
- Blower hose ø60 mm (5 m)

**Options:**

- Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request
- Low degaussing kit to further reduce stray magnetic field
- Wheels&Rails (incl. 3m rails)
- Squeak&Rattle (Silent operation without blower)
- Thermobarrier
- Chamber leadthrough
- Climatic chamber support kit
- Remote control (Software)
- Silencer for cooling blower (Noise reduction 3 - 6 dB(A))
- Acoustic enclosure for cooling blower (Noise reduction 5 - 23 dB(A))
- Cable extension
- Factory acceptance test

**Features:**

- Vibration isolation < 6 Hz
- Coarse filter unit
- Fully automatic electronic load compensation
- Electronic zero point regulation with adjustable stiffness
- Automatic centering of the armature
- Degauss kit to reduce stray magnetic field
- Integrated mains switch and line filter
- Integrated field power supply
- Noise-button
- Input voltage analyzer
- Voltage clipping limiter to avoid clipping
- 3 Sigma Peak current
- Made in Germany
- Servicehotline

## TECHNICAL PARAMETERS Amplifier A 1 02 3 023 T

Output power<sub>RMS</sub>  
 Frequency range  
 Voltage<sub>RMS</sub>, max.  
 Current<sub>RMS</sub>, max.  
 Load resistance, opt.  
 Signal input voltage<sub>RMS</sub> (switchable)  
 Distortion  
 Signal to noise ratio  
 Field voltage, max.  
 Field current, max.  
 Weight  
 Dimensions (WxHxD)  
 Power supply (Standard)  
 Recommended fuse protection (Standard)  
 Max. power consumption at 400 V (incl. blower)  
 Interlocks:

**Features:**  
 High signal to noise ratio of > 90 dB  
 Field supply integrated  
 Mains switch and integrated line filter  
 ESD-monitoring  
 (Protection of the system against damage)  
 Field voltage/Field current variable  
 according to customer spec.

22500 VA  
 DC - 4 kHz  
 150 V  
 150 A  
 1 Ohm  
 2.5/5/10 V  
 < 0.7 %  
 > 90 dB  
 280 V  
 6 A  
 330 kg  
 600 x 1800 x 800 mm  
 3~ / N / PE 400 V ± 5% 50 Hz, CEE 32  
 32 A slow  
 16 kVA  
 Overload, temperature, clipping  
 and more

Noise-button  
 Input voltage analyzer  
 Voltage clipping limiter to avoid  
 clipping  
 3 Sigma peak current  
 Electronic zero-point-regulation (TMC)

## TECHNICAL PARAMETERS Cooling blower TB 9

Volume flow rate  
 Total pressure difference  
 Power  
 Frequency  
 Hose diameter  
 Hose length (Std.)  
 Weight  
 Dimensions (WxHxD)  
 Sound pressure level, max.  
 Power supply (standard)  
 Max. power consumption at 400 V

**Options:**  
 Silencer TB 9-SI (Noise reduction 3 - 6 dB(A))  
 Dimensions (LxD): 1012 x 150 mm  
 Weight: 1.2 kg  
 Acoustic enclosure TB 9-AE (Noise reduction 5 - 23 dB(A))  
 Dimensions (WxHxD): 1094 x 1086 x 1000 mm  
 Weight: 134 kg  
 Hose length according to customers request (up to 10 m)



Cooling blower TB 9



Silencer TB 9-SI  
(optional)



Acoustic enclosure TB 9-AE  
(optional)