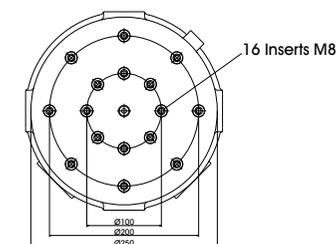
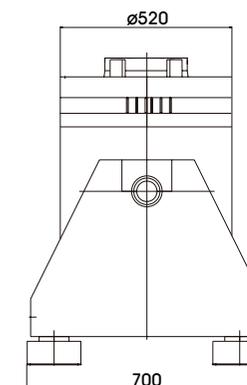
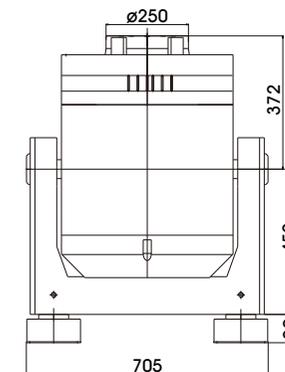


TECHNICAL PARAMETERS Vibration exciter S 55240/LSS-250

Rated peak force Sine _{pk} /Random _{RMS} /Shock _{pk} ¹	4000/3400/10000 N
Frequency range	1-2000 Hz
Main resonance frequency	>2000 Hz
Max. displacement Peak-Peak ²	100 mm
Max. velocity Sine/Random/Shock	2.0/2.0/4.5 m/s
Max. acceleration Sine/Random/Shock ¹	37/30/74 g
Suspension stiffness	electronically adjustable
Effective moving mass	12.0 kg
Max. weight tested	50 kg
Weight	800 kg
Magn. stray field Std./low degaussing	<1.5/<0.8 mT
Armature diameter	250 mm
Interlocks	Temperature, displacement, cooling air, overcurrent

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 4 kN
Trunnion mount
Power amplifier 15 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 up to 6 dB(A))
Acoustic enclosure for cooling blower (Noise reduction 15 - 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 01 3 023 T

Output power _{RMS}	15000 VA
Frequency range	DC - 4 kHz
Voltage _{RMS} , max.	150 V
Current _{RMS} , max.	150 A
Signal input voltage _{RMS} (switchable)	2.5/5/10 V
Distortion	< 0.7 %
Signal to noise ratio	> 90 dB
Field voltage, max.	140 V
Field current, max.	8 A
Weight	330 kg
Dimensions (WxHxD)	600 x 1800 x 800 mm
Power supply (Standard)	3~ / N / PE 400 V±5% 50 Hz, CEE 32
Recommended fuse protection (Standard)	32 A slow
Max. power consumption at 400 V (incl. blower)	7.7 kVA
Interlocks:	Overload, temperature, clipping and more
Features:	
High Signal to noise ratio of >90 dB	Noise-button
Field supply integrated	Input voltage analyzer
Mains switch and integrated line filter	Voltage clipping limiter to avoid clipping
ESD-monitoring	3 Sigma peak current
(Protection of the system against damage)	Electronic zero-point-regulation (TMC)
Field voltage/Field current variable according to customer spec.	

TECHNICAL PARAMETERS Cooling blower TB 0310

Volume flow rate	max. 315 m³/h
Total pressure difference	max. 290 mbar
Power	4 kW
Frequency	50 Hz
Hose diameter	60 mm
Hose length (Std.)	5 m
Weight	42 kg
Dimensions (WxHxD)	382 x 384 x 432 mm
Sound pressure level, max.	max. 69 dB(A)
Power supply (standard)	by amplifier rack
Max. power consumption at 400 V	5 kVA

Options:

Silencer TB 0310-SI (Noise reduction up to 6 dB(A))	
Dimensions (LxD): 308 x 82 mm	
Weight: 0.58 kg	
Acoustic enclosure TB 0310-AE (Noise reduction 15 - 23 dB(A))	
Dimensions (WxHxD): 795 x 841 x 836 mm	
Weight: 55 kg	
Hose length according to customers request (up to 10 m)	



Cooling blower TB 0310



Silencer TB 0310-SI (optional)



Acoustic enclosure TB 0310-AE (optional)