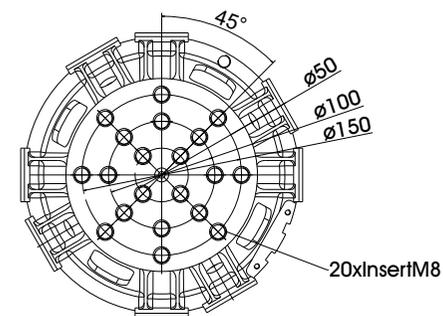
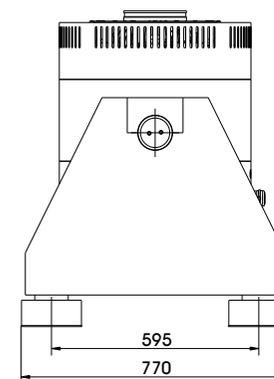
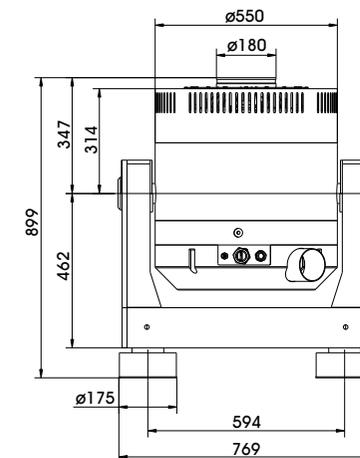


TECHNICAL PARAMETERS Vibration exciter S 56280/LS-180

Rated peak force Sine _{pk} /Random _{RMS} /Shock _{pk} ¹	8000/7200/24000 N
Frequency range	2-3000 Hz
Main resonance frequency	>2900 Hz
Max. displacement Peak-Peak	50.8 mm
Max. velocity Sine/Random/Shock	2.0/2.0/3.5 m/s
Max. acceleration Sine/Random/Shock ¹	93/72/186 g
Suspension stiffness	50 N/mm
Effective moving mass	8.5 kg
Max. weight tested	250 kg
Weight	765 kg
Magn. stray field Std./low degaussing	<1.5/<0.8 mT
Armature diameter	180 mm
Min. required compressed air supply	600 kPa
Interlocks	Temperature, displacement, cooling air, overcurrent, compressed air

1) theoretical maximum shock value. Depends on payload, amplifier, shock and shock width



Armature 180 (Standard)

SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

<p>Scope of delivery: Vibration exciter 8 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 ø140 mm (5 m) Compressed-air hose NW 7,2 (Standard) (3 m)</p>	<p>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 Squeak&Rattle (Silent operation without blower) Wheels&Rails (incl. 3m rails) Thermobarrier (-40°C to +140°C) 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</p>	<p>Options: TIRA EMS Energy Management System Operation with temperature-controlled cooling blower (and optional with variable field strength)</p> <p>Features: Vibration isolation < 6 Hz Coarse filter unit Fully automatic pneumatic load compensation Automatic centering of the armature Degauss kit to reduce stray magnetic field Made in Germany Servicehotline</p>
--	---	--

TECHNICAL PARAMETERS Amplifier A 1 02 3 023

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.	280 V
Field current, max.	6 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)	16 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 (Protection of the system against damage)	3 Sigma peak current
Field voltage/Field current variable according to customer spec.	

TECHNICAL PARAMETERS Cooling blower TB 9 FUK

Max. volume flow rate	1080 m³/h
Total pressure difference	9 kPa
Motor output	4 kW
Max. frequency	90 Hz
Hose diameter	140 mm
Hose length (Std.)	5 m
Weight	60 kg
Dimensions (WxHxD)	505 x 598 x 464 mm
Max. sound pressure level	99 dB(A)
Power supply (standard)	by amplifier rack
Max. power consumption at 400 V	5.5 kVA
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 FUK



Silencer TB 9-SI (optional)



Acoustic enclosure TB 9-AE (optional)