

**TECHNICAL PARAMETERS** Vibration exciter S 56280/LS-340

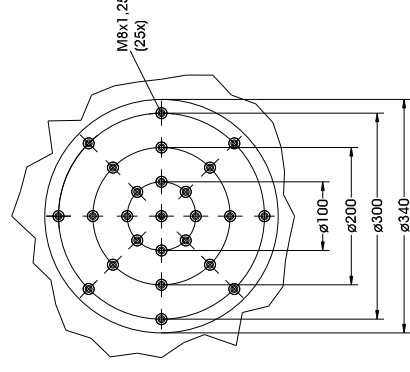
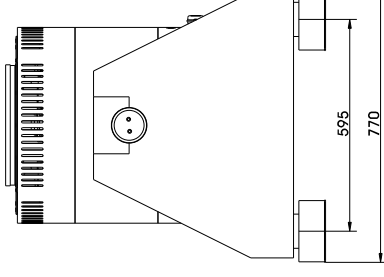
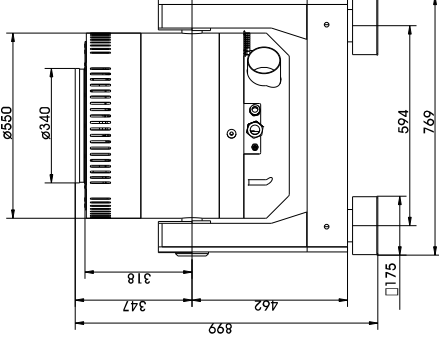
Rated peak force $S_{pk}/Random/Shock_{pk}^1$	8000/7200/24000 N
Frequency range	2-3000 Hz
Main resonance frequency	>2600 Hz
Max. displacement Peak-Peak	50.8 mm
Max. velocity Sine/Random/Shock	2.0/2.0/2.5 m/s
Max. acceleration Sine/Random/Shock <sup>1</sup>	88/65/175 g
Suspension stiffness	50 N/mm
Effective moving mass	9.6 kg
Max. weight tested	150 kg
Weight	780 kg
Magn. stray field Std./low degaussing	<1.5/<0.8 mT
Armature diameter	340 mm
Min. required compressed air supply	600 kPa
Interlocks	Temperature, displacement, cooling air, overcurrent, compressed air

<sup>1)</sup> theoretical maximum shock value. Depends on payload, amplifier, shock and shock width

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

<b>Scope of delivery:</b>	<b>Options:</b>
Vibration exciter 8 kN	Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request
Swivel frame	Low degaussing kit to further reduce stray magnetic field
Power amplifier 16 kVA	Squeak&Rattle (Silent operation without blower)
Cooling blower	Wheels&Rails (incl. 3m rails)
Connection cables (each 5 m)	Thermobarrier (-40°C to +140°C)
Power cables (5 m) for amplifier (CEE 32 connector)	Chamber leadthrough
Blower hose ø100 mm (5 m)	Climatic chamber support kit
Compressed-air hose NW 7,2 (Standard) (3 m)	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

<b>Features:</b>
Vibration isolation < 6 Hz
Coarse filter unit
Fully automatic pneumatic load compensation
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 1 016

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.

16000 VA  
 DC - 4 kHz  
 105 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

## 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)