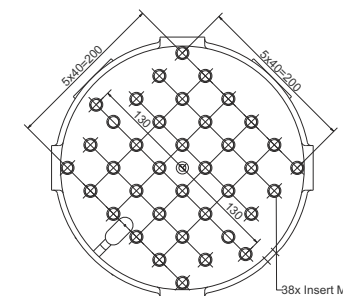
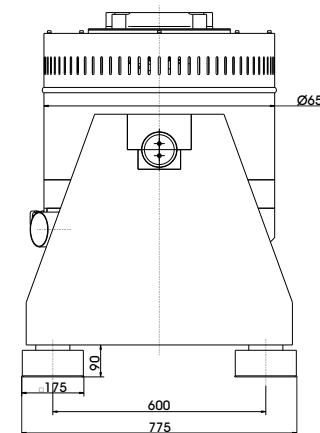
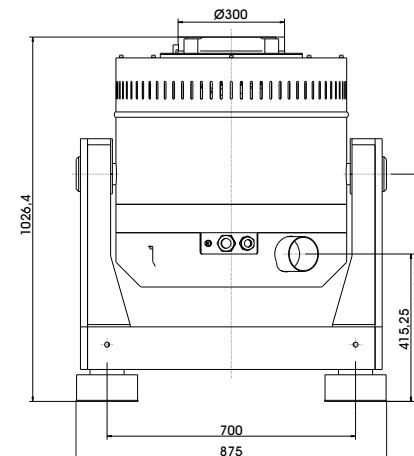


## TECHNICAL PARAMETERS Vibration exciter S 51010/LSS-300

Rated peak force Sine <sub>pk</sub> /Random <sub>RMS</sub> /Shock <sub>pk</sub> <sup>1</sup>	11000/9000/27500 N
Frequency range	1-2000 Hz
Main resonance frequency	>2000 Hz
Max. displacement Peak-Peak <sup>2</sup>	100 mm
Max. velocity Sine/Random/Shock	2.0/2.0/4.5 m/s
Max. acceleration Sine/Random/Shock <sup>1</sup>	66/54/165 g
Suspension stiffness	electronically adjustable
Effective moving mass	17.0 kg
Max. weight tested	80 kg
Weight	1200 kg
Magn. stray field Std./low degaussing	<1.5/<0.8 mT
Armature diameter	300 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



Lochbild (Standard)

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

<p><b>Scope of delivery:</b>          Vibration exciter 11 kN          Trunnion mount          Power amplifier 30 kVA          Cooling blower          Connection cables (each 5 m)          Power cables (5 m)              for amplifier (CEE 63 connector)          Blower hose Ø140 mm (5 m)</p>	<p><b>Options:</b>          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&amp;Rails (incl. 3m rails)          Squeak&amp;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</p>	<p><b>Features:</b>          Vibration isolation &lt; 6 Hz          Coarse filter unit for cooling air          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</p>
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## TECHNICAL PARAMETERS Amplifier A 3 01 3 045 T

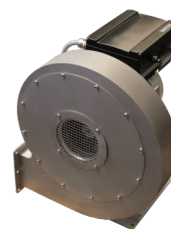
Max. output power <sub>RMS</sub>	30000 VA
Frequency range	DC - 4 kHz
Voltage <sub>RMS</sub> , max.	150 V
Current <sub>RMS</sub> , max.	300 A
Signal input voltage <sub>RMS</sub> (switchable)	2.5/5/10 V
Distortion	< 0.7 %
Signal to noise ratio	> 90 dB
Field voltage, max.	140 V
Field current, max.	8 A
Weight	515 kg
Dimensions (WxHxD)	600 x 2200 x 800 mm
Power supply (Standard)	3~ / N / PE 400 V±5% 50 Hz, CEE 63
Recommended fuse protection (Standard)	63 A slow
Max. power consumption at 400 V (incl. blower)	28.2 kVA
Interlocks:	Overload, temperature, clipping and more
<b>Features:</b>	
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.	Electronic zero-point-regulation (TMC)

## TECHNICAL PARAMETERS Cooling blower TB 120 FUK

Max. volume flow rate	1500 m³/h
Total pressure difference	10.2 kPa
Motor output	5.5 kW
Max. frequency	100 Hz
Hose diameter	140 mm
Hose length (Std.)	5 m
Weight	61 kg
Dimensions (WxHxD)	487 x 637 x 487 mm
Max. sound pressure level	102 dB(A)
Power supply (standard)	by amplifier rack
Max. power consumption at 400 V	7 kVA

### Options:

Silencer TB 120-SI (Noise reduction 3 - 6 dB(A))	Dimensions (LxD): 1100 x 160 mm
Weight: 1.2 kg	
Acoustic enclosure TB 120-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 120 FUK



Silencer TB 120-SI (optional)



Acoustic enclosure TB 120-AE (optional)