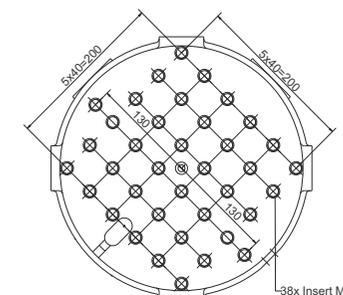
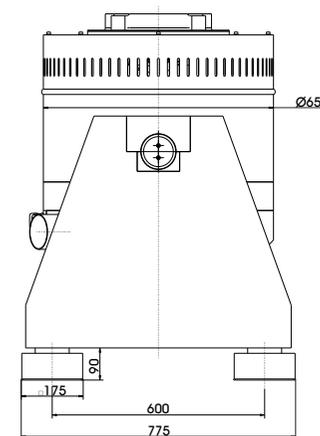
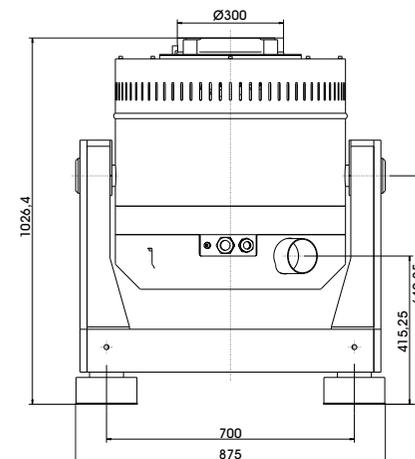


## TECHNICAL PARAMETERS Vibration exciter S 57315/LSS-300

Rated peak force Sine <sub>pk</sub> /Random <sub>RMS</sub> /Shock <sub>pk</sub> <sup>1</sup>	15000/11000/37500 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>	90/66/225 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></p> <ul style="list-style-type: none"> <li>Vibration exciter 15 kN</li> <li>Trunnion mount</li> <li>Power amplifier 30 kVA</li> <li>Cooling blower</li> <li>Connection cables (each 5 m)</li> <li>Power cables (5 m) for amplifier (CEE 63 connector)</li> <li>Blower hose Ø140 mm (5 m)</li> </ul>	<p><b>Options:</b></p> <ul style="list-style-type: none"> <li>Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request</li> <li>Low degaussing kit to further reduce stray magnetic field</li> <li>Wheels&amp;Rails (incl. 3m rails)</li> <li>Squeak&amp;Rattle (Silent operation without blower)</li> <li>Thermobarrier</li> <li>Chamber leadthrough</li> <li>Climatic chamber support kit</li> <li>Remote control (Software)</li> <li>Silencer for cooling blower (Noise reduction 3 - 6 dB(A))</li> <li>Acoustic enclosure for cooling blower (Noise reduction 5 - 23 dB(A))</li> <li>Cable extension</li> <li>Factory acceptance test</li> </ul>	<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Vibration isolation &lt; 6 Hz</li> <li>Coarse filter unit</li> <li>Fully automatic electronic load compensation</li> <li>Electronic zero point regulation with adjustable stiffness</li> <li>Automatic centering of the armature</li> <li>Degauss kit to reduce stray magnetic field</li> <li>Integrated mains switch and line filter</li> <li>Integrated field power supply</li> <li>Noise-button</li> <li>Input voltage analyzer</li> <li>Voltage clipping limiter to avoid clipping</li> <li>3 Sigma Peak current</li> <li>Made in Germany</li> <li>Servicehotline</li> </ul>
--	--	---

## 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)	38 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
<b>Options:</b>	
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)