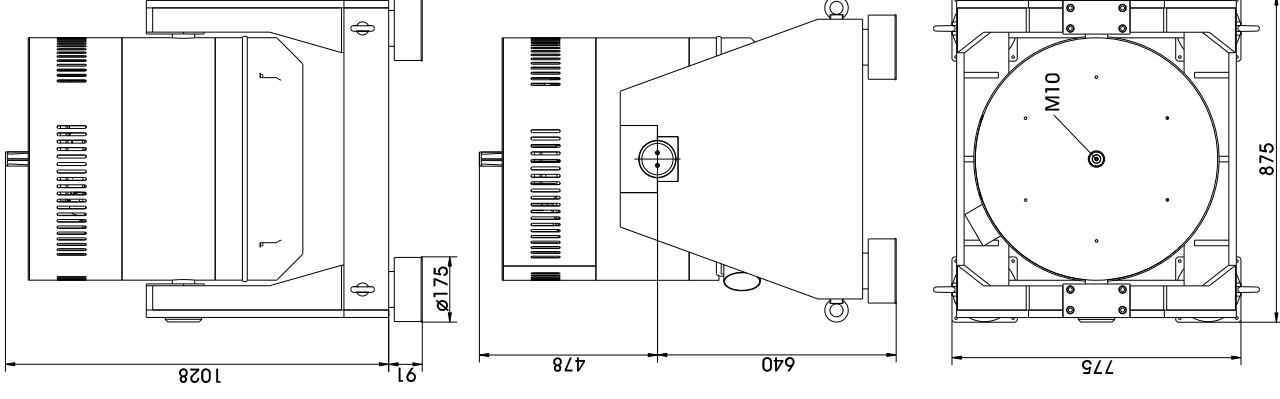


**TECHNICAL PARAMETERS Modal exciter S 51010-M/LSS**

Rated peak force $S_{pk}/Random_{RMS}$	11000/9000 N
Frequency range	5-2000 Hz
Main resonance frequency (free-swinging)	>2500 Hz
Max. displacement Peak-Peak <sup>1)</sup>	100 mm
Max. velocity Sine/Random	2.0/2.0 m/s
Suspension stiffness	electronically adjustable
Effective moving mass	14.0 kg
Weight	1200 kg
Magn. stray field Std./low degaussing	<1.5/<0.8 mT
Coupling thread	M10
Interlocks	Temperature, displacement, cooling air, overcurrent

<sup>1)</sup> only with foundation mounting



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

Scope of delivery:

- Modal exciter 11 kN
- Swivel frame
- Power amplifier 45 kVA
- Cooling blower
- Connection cables (each 5 m)
- Power cables (5 m) for amplifier (CEE 63 connector)
- Blower hose  $\varnothing$ 100 mm (5 m)

Options:

- Low degaussing kit to further reduce stray magnetic field
- Wheels&Rails (incl. 3m rails)
- Squeak&Rattle (Silent operation without blower)
- 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

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 3 01 3 045 T

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:

45000 VA  
 DC - 4 kHz  
 150 V  
 300 A  
 1 Ohm  
 2.5/5/10 V  
 < 0.7 %  
 > 90 dB  
 140 V  
 8 A  
 515 kg  
 600 x 2200 x 800 mm  
 3~ / N / PE 400 V ±5% 50 Hz, CEE 63  
 63 A slow  
 28.2 kVA  
 Overload, temperature, clipping  
 and more

### 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.

## TECHNICAL PARAMETERS Cooling blower TB 120

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

max. 1140 m<sup>3</sup>/h  
 max. 28 kPa  
 11.5 kW  
 50 Hz  
 100 mm  
 5 m  
 131 kg  
 600 x 636 x 701 mm  
 max. 87 dB(A)  
 by amplifier rack  
 1.6 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



Silencer TB 120-SI  
(optional)



Acoustic enclosure TB 120-AE  
(optional)