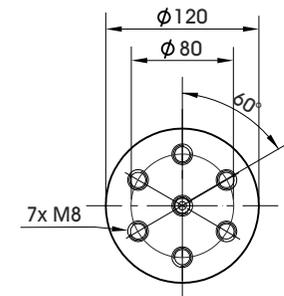
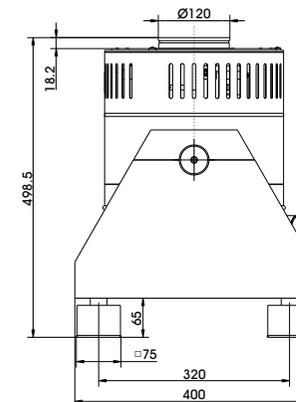
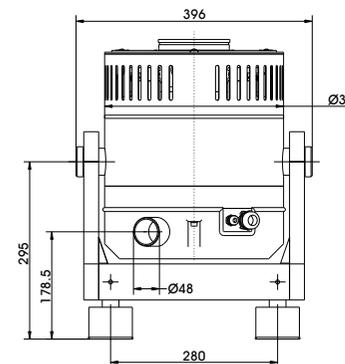


TECHNICAL PARAMETERS Vibration exciter S 5220/LS-120

Rated peak force Sine _{pk} /Random _{RMS} /Shock _{pk} ¹	1000/650/1300 N
Frequency range	2-7000 Hz
Main resonance frequency	>5000 Hz
Max. displacement Peak-Peak ²	45.0 mm
Max. velocity Sine/Random/Shock	1.5/1.5/2.0 m/s
Max. acceleration Sine/Random/Shock ¹	60/40/79 g
Suspension stiffness	electronically adjustable
Effective moving mass	1.7 kg
Max. weight tested	20 kg
Weight	122 kg
Magn. stray field without/with degaussing	<8.5/<1 mT
Armature diameter	120 mm
Interlocks	Temperature, displacement, cooling air, overcurrent

1) theoretical maximum shock value. Depends on payload, amplifier, shock and shock width
2) impact by moving to static mass and frequency is possible



Armature (Standard)

SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

<p>Scope of delivery: Vibration exciter 1000 N Trunnion mount Power amplifier 1200 VA Field power supply (FPS) Electronic zero point regulation (Tira Middle Control=TMC) Cooling blower Connection cables (each 5 m) Power cables (each 1.5 m) for amplifier and FPS (CEE 7/7 connector) Blower hose ø50 mm (5 m)</p>	<p>Options: Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request Degauss kit to reduce stray magnetic field Squeak&Rattle (Silent operation without blower) 19" Rack for integrating of amplifier/FPS Thermobarrier Chamber leadthrough Remote control (Hardware or Software) Silencer for cooling blower (Noise reduction up to 8 dB(A)) Acoustic enclosure for cooling blower (Noise reduction 15 - 23 dB(A)) Cable extension Factory acceptance test</p>	<p>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 High cross-axial stiffness Minimum maintenance effort Made in Germany Servicehotline</p>
--	---	--

TECHNICAL PARAMETERS Amplifier BAA 1000-ET

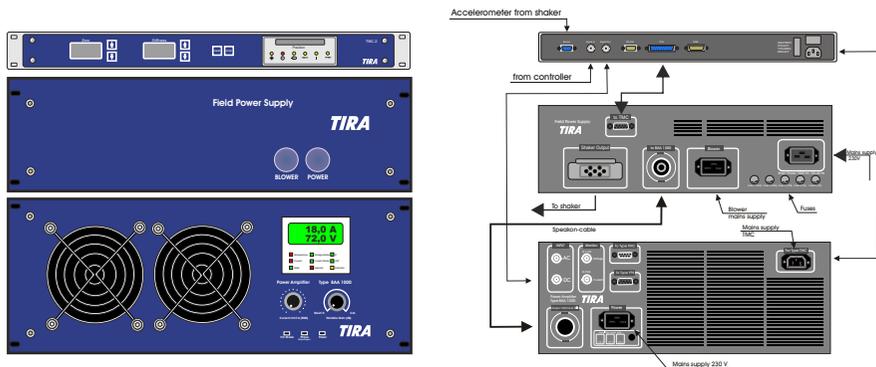
Output power _{RMS}	1200 VA
Frequency range	2 Hz - 20 kHz
Voltage _{RMS} , max.	72 V
Current _{RMS} , max.	18 A
Signal input voltage _{RMS}	< 5 V
Distortion	< 0.1 %
Signal to noise ratio	> 90 dB
Field power supply (FPS)	yes (external)
Field voltage, max.	70 V
Field current, max.	3.2 A
Weight (Amplifier+FPS+TMC)	76 kg
Dimensions (Amplifier+FPS+TMC, WxHxD)	483 x 400 x 600 mm
Power supply (Standard)	1 ~ / N / PE 230 V ± 5% 50 Hz CEE 7/7
Recommended fuse protection (Standard)	16 A slow
Max. power consumption at 230 V (Amplifier+TMC)	2.1 kVA
Max. power consumption at 230 V (FPS+blower)	2.4 kVA
Interlocks:	Overload, temperature, clipping and more

Features:
High Signal to noise ratio of > 90 dB

TECHNICAL PARAMETERS Cooling blower TB 0140

Volume flow rate	max. 140 m ³ /h
Total pressure difference	max. 120 mbar
Power	1.1 kW
Frequency	50 Hz
Hose diameter	50 mm
Hose length (Std.)	5 m
Weight	16 kg
Dimensions (WxHxD)	286 x 302 x 292 mm
Sound pressure level, max.	max. 63 dB(A)
Power supply (standard)	by Field power supply (FPS)
Max. power consumption at 400 V	1.4 kVA

Options:
 Silencer (Noise reduction up to 8 dB(A))
 Dimensions (LxD): 308 x 82 mm
 Weight: 0.2 kg
 Acoustic enclosure (Noise reduction 15 - 23 dB(A))
 Dimensions (WxHxD): 795 x 841 x 699 mm
 Weight: 45 kg
 Hose length according to customers request (up to 10 m)



Cooling blower TB 0140



Silencer TB 0140-SI (optional)



Acoustic enclosure TB 0140-AE (optional)