

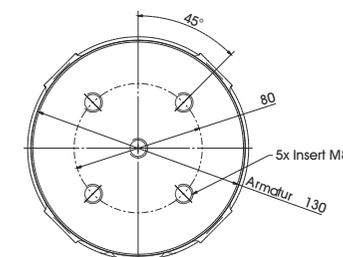
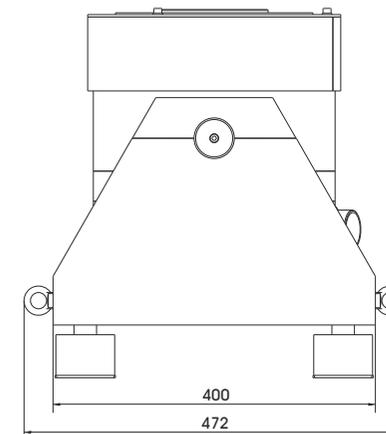
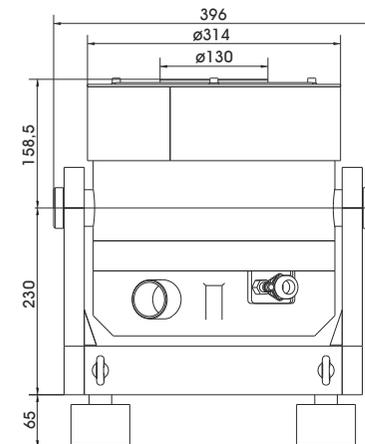
TECHNICAL PARAMETERS Vibration exciter S 5220-C

Rated peak force Sine _{pk} /Random _{RMS} ¹	800/400 N
Frequency range	1 - 20000 Hz
Main resonance frequency	> 13000 Hz
Max. displacement Peak-Peak	25.4 mm
Max. velocity	1.5 m/s
Max. acceleration Sine/Random	60/30 g
Suspension stiffness	electronically adjustable
Effective moving mass (±5%)	1.35 kg
Total mass	110 kg
Magn. stray field without/with degaussing ²	<8.5/<1 mT
Armature diameter	130 mm
Interlocks	Field coil temperature, displacement, cooling air, overcurrent

1) Random force according to ISO 5344:2004

2) measured at 150 mm above armature

For long-term tests, the load must be reduced to 80 %. Continuous operation at maximum load can cause damage.



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

<p>Scope of delivery:</p> <ul style="list-style-type: none"> Vibration exciter Trunnion mount Power amplifier Field power supply (FPS) Electronic zero point regulation (Tira Middle Control=TMC) Cooling blower Connection cable (5 m) Power cables (each 1.5 m) for amplifier, FPS and TMC (CEE 7/7 connector) Blower hose ø50 mm (5 m) 	<p>Options:</p> <ul style="list-style-type: none"> Different thread inserts in the armature at customer request Degauss kit to reduce stray magnetic field Squeak&Rattle (Silent operation without blower) 19" Rack for integrating of amplifier/FPS/TMC Thermobarrier Chamber leadthrough 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>Features:</p> <ul style="list-style-type: none"> 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
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TECHNICAL PARAMETERS Amplifier BDA 1300-ET

Output power _{RMS} , max.	1300 VA
Frequency range	2 - 25000 Hz
Voltage-/Current mode	yes/no
Voltage _{RMS} , max.	72 V
Current _{RMS} , max.	18 A
Signal input voltage _{PK}	3.5 V
Distortion (THD, at frequency range 40 Hz to 1 kHz)	< 0.1 %
Signal to noise ratio	> 100 dB
Field power supply (FPS)	yes (external)
Field voltage, max.	69 V
Field current, max.	9 A
Total mass (Amplifier+FPS+TMC)	43 kg
Dimensions (Amplifier+FPS+TMC, WxHxD)	440 x 260 x 500 mm
Power supply Amplifier+TMC (Standard)	1~ / N / PE 230 V±5% 50 Hz, CEE 7/7
Power supply FPS+Blower (Standard)	1~ / N / PE 230 V±5% 50 Hz, CEE 7/7
Recommended fuse protection (Standard)	each one 16 A slow
Max. power consumption at 230 V (Amplifier)	1.3 kVA
Max. power consumption at 230 V (FPS+blower)	1.6 kVA
Max. power consumption at 230 V (TMC)	0.1 kVA
Interlocks:	Overload, temperature, clipping

Features:

- High Signal to noise ratio of > 100 dB
- Monitoring output of voltage and current

TECHNICAL PARAMETERS Cooling blower TB 0140

Volume flow rate	max. 140 m ³ /h
Total pressure difference	max. 150 mbar
Power	1.1 kW
Frequency	50 Hz
Hose diameter	50 mm
Hose length (Std.)	5 m
Total mass	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. current consumption at 400 V	7.3 A

Options:

- Silencer TB 0140-SI (Noise reduction up to 8 dB(A))
 - Dimensions (LxD): 308 x 82 mm
 - Mass: 0.2 kg
- Acoustic enclosure TB 0140-AE (Noise reduction 15 - 23 dB(A))
 - Dimensions (WxHxD): 650 x 760 x 860 mm
 - Mass: 45 kg
- Hose length according to customers request (up to 10 m)



Zero point regulation, Field power supply and Amplifier



Cooling blower TB 0140



Silencer TB 0140-SI (optional)



Acoustic enclosure TB 0140-AE (optional)