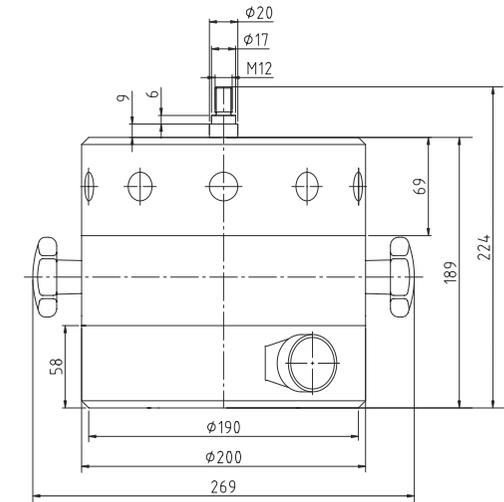


## TECHNICAL PARAMETERS Vibration exciter S 51140-IN

Rated peak force Sine <sub>pk</sub> /Random <sub>RMS</sub> <sup>1</sup>	400/311 N
Frequency range	2 - 2000 Hz
Max. displacement Peak-Peak	9 mm
Max. velocity	1.5 m/s
Max. acceleration Sine/Random	2.8/2 g
Suspension stiffness	56 N/mm
Effective moving mass	0.63 kg
Total mass	16 kg
Coupling thread	M12

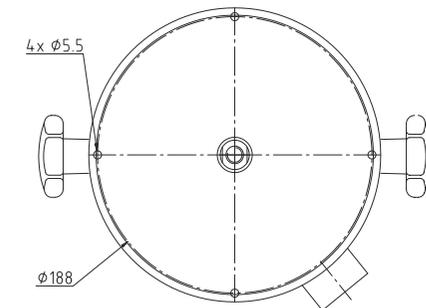
<sup>1</sup>) Random force according to ISO 5344:2004

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><b>Scope of delivery:</b>          Vibration exciter          Power amplifier          Cooling blower          Connection cable (5 m)          Power cable amplifier (1.5 m)          Blower hose ø40 mm (3 m)</p>	<p><b>Options:</b>          Rack for mounting the amplifier          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><b>Features:</b>          Coarse filter unit          High cross-axial stiffness          Light weight construction by using rare earth magnet          Minimum maintenance effort          Made in Germany          Servicehotline</p>
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## TECHNICAL PARAMETERS Amplifier BDA 1300

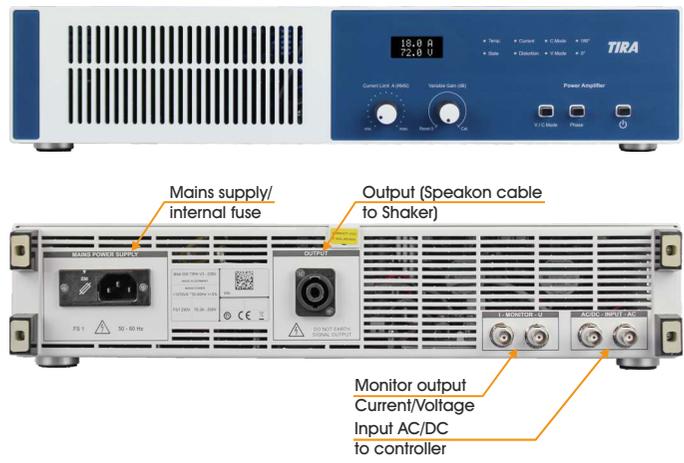
Output power <sub>RMS</sub> , max.	1300 VA
Frequency range	DC - 25 kHz
Voltage-/Current mode	yes/yes
Voltage <sub>RMS</sub> , max.	72 V
Current <sub>RMS</sub> , max.	18 A
Signal input voltage <sub>PK</sub>	3.5 V
Distortion	< 0.1 %
Signal to noise ratio	> 100 dB
Total mass	22 kg
Dimensions (WxHxD)	440 x 90 x 450 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	1.22 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 m³/h
Total pressure difference	max. 150 mbar
Power	1.1 kW
Frequency	50 Hz
Hose diameter	40 mm
Hose length (Std.)	3 m
Total mass	16 kg
Dimensions (WxHxD)	286 x 302 x 292 mm
Sound pressure level, max.	max. 63 dB(A)
Power supply (Standard)	1 ~ / N / PE 230 V±5% 50 Hz, CEE 7/7
Max. current consumption at 400 V	7.3 A

**Options:**  
Silencer (Noise reduction up to 8 dB(A))  
Dimensions (LxD): 308 x 82 mm  
Mass: 0.2 kg  
Acoustic enclosure (Noise reduction 15 - 23 dB(A))  
Dimensions (WxHxD): 860 x 760 x 650 mm  
Mass: 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)