

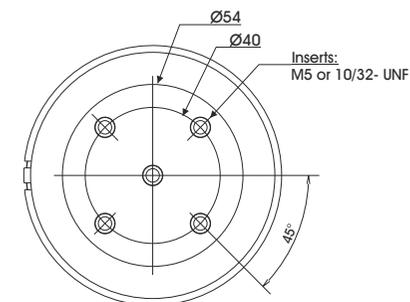
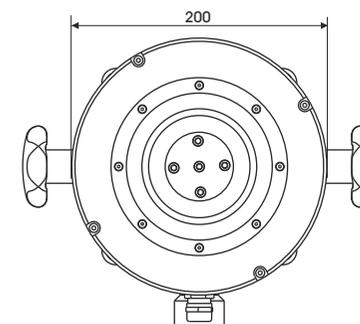
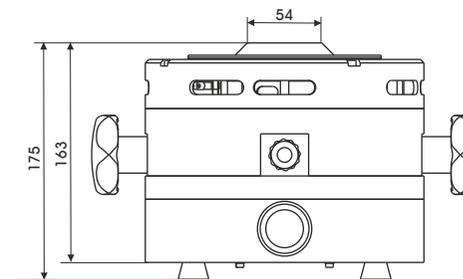
TECHNICAL PARAMETERS Vibration exciter S 51140-C

Rated peak force Sine _{pk} /Random _{RMS} ¹	400/200 N
Frequency range	10 - 20000 Hz
Main resonance frequency	> 19000 Hz
Max. displacement Peak-Peak ²	4 mm
Max. velocity	1.2 m/s
Max. acceleration Sine/Random	68/34 g
Effective moving mass	0.6 kg
Total mass	21 kg
Armature diameter	54 mm

1) Random force according to ISO 5344:2004

2) Payload has an impact on the possible maximum displacement

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



Armature 54

SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:	Options:	Features:
Vibration exciter	Different thread inserts of armature at customers request	Vibration isolation
Trunnion mount	Rack for mounting the amplifier	Coarse filter unit
Power amplifier	Degauss kit to reduce stray magnetic field	High cross-axial stiffness
Cooling blower	Silencer	Vibration system made of ceramic material
Connection cable (5 m)	for cooling blower (Noise reduction up to 8 dB(A))	Minimum maintenance effort
Power cable amplifier (1.5 m)	Acoustic enclosure	Made in Germany
Blower hose ø40 mm (3 m)	for cooling blower (Noise reduction 15 - 23 dB(A))	Servicehotline
	Cable extension	
	Factory acceptance test	

TECHNICAL PARAMETERS Amplifier BDA 1300

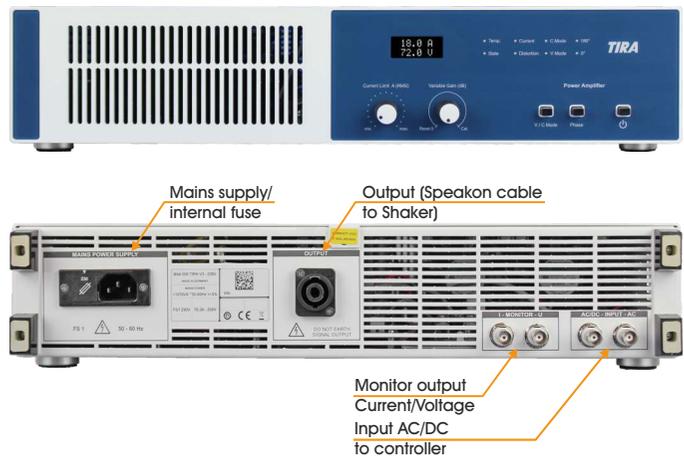
Output power _{RMS} , max.	1300 VA
Frequency range	DC - 25 kHz
Voltage-/Current mode	yes/yes
Voltage _{RMS} , max.	72 V
Current _{RMS} , max.	18 A
Signal input voltage _{PK}	3.5 V
Distortion	< 0.1 %
Signal to noise ratio	> 100 dB
Total mass	22 kg
Dimensions (WxHxD)	440 x 90 x 450 mm
Power supply (Standard)	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)