

TECHNICAL PARAMETERS Vibration exciter S 51120

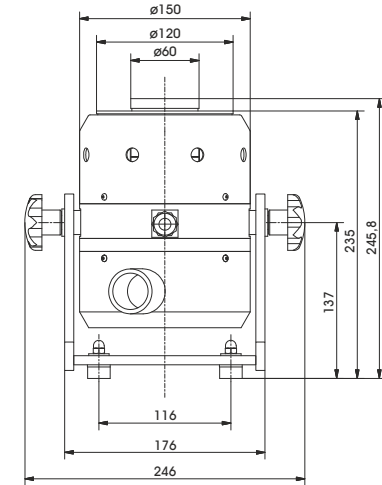
Rated peak force Sine _{pk} /Random _{RMS} ¹	200/140 N
Frequency range	2-7000 Hz
Main resonance frequency	>6500 Hz
Max. displacement Peak-Peak ²	13 mm
Max. velocity	1.5 m/s
Max. acceleration Sine/Random	89/62 g
Suspension stiffness	8 N/mm
Effective moving mass	0.23 kg
Total mass	12 kg
Armature diameter	60 mm

1) Random force according to ISO 5344:2004

2) Payload has an impact on the possible maximum displacement



S 51120 (Example drawing) Dimensions in mm



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:

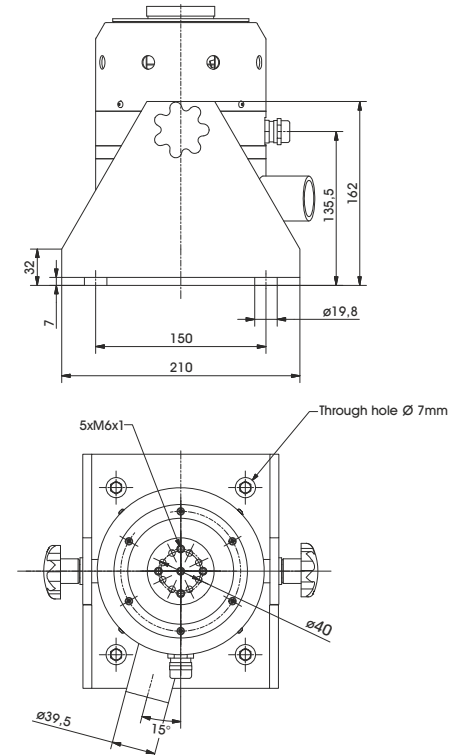
Vibration exciter
Trunnion mount
Power amplifier
Cooling blower
Connection cable (3 m)
Power cable amplifier (1.5 m)
Blower hose ø40 mm (3 m)

Options:

Rack for mounting the amplifier
Silencer
for cooling blower (Noise reduction up to 5 dB(A))
Acoustic enclosure
for cooling blower (Noise reduction 15 - 23 dB(A))
Modal adapter M6
Stinger (see Modal brochure for details)
Cable extension
Factory acceptance test

Features:

Vibration isolation
Coarse filter unit
High cross-axial stiffness
Lightweight construction by using rare earth magnet
Minimum maintenance effort
Made in Germany
Servicehotline

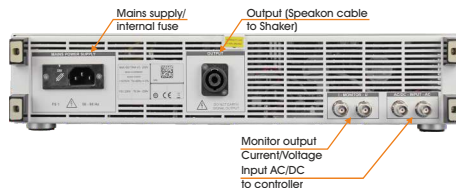


TECHNICAL PARAMETERS Amplifier BAA 500

Output power _{RMS}	500 VA
Frequency range (small signal/full power)	DC - 180 kHz / 20 Hz - 25 kHz
Voltage-/Current mode	yes/yes
Voltage _{RMS} max	45 V
Current _{RMS} max. (0.1 - 20 Hz)	11.2 A (9 A)
Signal input voltage _{PK}	3.5 V
Distortion THD (Frequency range 40 Hz to 5 kHz)	< 0.05 %
Signal to noise ratio	> 110 dB(A)
Total mass	18 kg
Dimensions (WxHxD)	440 x 90 x 290 mm
Power supply (Standard)	1 ~ / N / PE 230 V ± 5% 50/60 Hz, CEE 7/7
Recommended fuse protection (Standard)	16 A slow
Max. power consumption at 230 V	0.35 kVA
Interlocks:	Overload, temperature, clipping

Features:

- High Signal to noise ratio of > 110 dB
- Monitoring outputs for voltage and current



TECHNICAL PARAMETERS Cooling blower TB 0080

Volume flow rate	max. 80 m³/h
Total pressure difference	max. 120 hPa
Power	0.37 kW
Frequency	50 Hz
Hose diameter	40 mm
Hose length (Std.)	3 m
Total mass	10 kg
Dimensions (WxHxD)	246 x 256 x 247 mm
Sound pressure level, max.	max. 53 dB(A)
Power supply (standard)	1 ~ / N / PE 230 V ± 5% 50/60 Hz, CEE 7/7
Max. current consumption at 230 V	2.7 A

Options:

Silencer TB 0080-SI (Noise reduction up to 5 dB(A))

Dimensions (LxD): 310 x 65 mm

Mass: 0.2 kg

Acoustic enclosure TB 0080-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)



Cooling blower TB 0080



Silencer TB 0080-SI (optional)



Acoustic enclosure TB 0080-AE (optional)