

TECHNICAL PARAMETERS Vibration exciter S 51112-IN

Rated peak force $S_{pk}/Random_{RMS}^1$	125/70 N
Frequency range	2 - 2000 Hz
Max. displacement Peak-Peak	9 mm
Max. velocity	1.5 m/s
Max. acceleration Sine/Random	0.98/0.54 g
Suspension stiffness	20 N/mm
Effective moving mass	0.35 kg
Total mass	13 kg
Coupling thread	M12

1) Random force according to ISO 5344:2004



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:

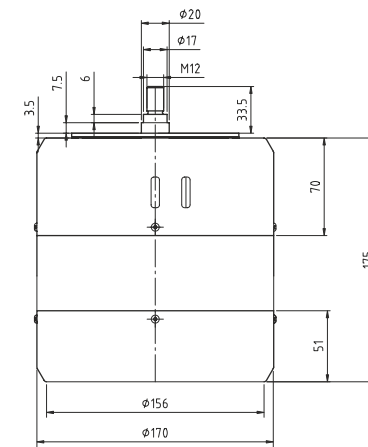
Vibration exciter
Power amplifier
Connection cable (3 m)
Power cable (1.5 m)
for amplifier (CEE 7/7 connector)

Options:

Cable extension
Factory acceptance test

Features:

High cross-axial stiffness
Light weight construction by using
rare earth magnet
Minimum maintenance effort
Made in Germany
Service hotline



TECHNICAL PARAMETERS Power Amplifier BAA 120

Output power P_{RMS} , max.	120 VA
Frequency range (small signal / full power)	DC - 100 kHz / 40 Hz - 25 kHz
Voltage-/Current mode	yes/yes
Voltage P_{RMS} , max.	22 V
Current P_{RMS} , max.	5.5 A
Signal input voltage P_{pk}	3.5 V
Distortion THD (frequency range 40 Hz to 5 kHz)	< 0.05 %
Signal to noise ratio	> 100 dB
Total mass	9 kg
Dimensions (WxHxD)	440 x 90 x 290 mm
Power supply (Standard)	1 ~ / N / PE 230 V $\pm 5\%$ 50/60 Hz CEE 7/7
Recommended fuse protection (Standard)	16 A slow
Max. power consumption at 230 V	100 VA
Interlocks:	Overload, Temperature, Clipping

Features:

- High Signal to noise ratio of > 100 dB
- Monitoring outputs for voltage and current
- Option for power supply of 100 V or 120 V $\pm 5\%$ 50/60 Hz

