

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:

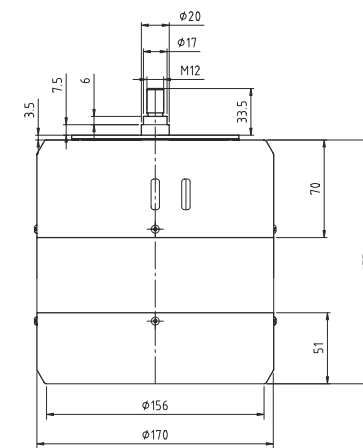
Vibration exciter
Power amplifier
Connection cable (3 m)
Power cable (1.5 m)
for amplifier (CEE 7/7 connector)

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 BDA 120

Continuous sine output power, max.	120 VA
Frequency range (small signal / full power)	DC - 100 kHz / 40 Hz - 20 kHz
Voltage-/Current mode	yes/no
Voltage $_{RMS}$, max.	22 V
Current $_{RMS}$, max.	5.5 A
Signal input voltage $_{pk}$ (at 1 kHz sine for max. power)	3.5 V
Distortion THD (frequency range 40 Hz to 20 kHz)	< 0.1 %
Signal to noise ratio	> 100 dB(A)
Total mass	2 kg
Dimensions (W x H x D)	240 x 48 x 226 mm
Power supply	1 ~ / N / PE 100..230 V $\pm$ 5% 50/60 Hz CEE 7/7
Recommended fuse protection	16 A slow
Max. power consumption	180 VA
Interlocks:	Overcurrent, Temperature

Features:

- High Signal to noise ratio of > 100 dB(A)
- Low Distortion factor (THD) of < 0.1 %

