

TECHNICAL PARAMETERS Vibration exciter S 51110-C

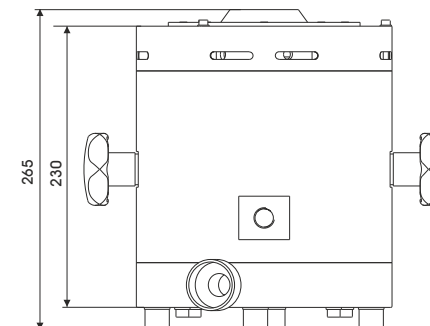
Rated peak force Sine _{pk} /Random _{RMS} ¹	100/50 N
Frequency range	10 - 25000 Hz
Main resonance frequency	>25000 Hz
Max. displacement Peak-Peak ²	4 mm
Max. velocity	1.2 m/s
Max. acceleration Sine/Random	25/12 g
Effective moving mass	0.40 kg
Total mass	33 kg
Armature diameter	54 mm

1) Random force according to ISO 5344:2004

2) Payload has an impact on the possible maximum displacement



S 51110-C (Example drawing) (mm)



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:

Vibration exciter
Power amplifier
Connection cable (5 m)
Power cable (1.5 m)
for amplifier (CEE 7/7 connector)

Options:

Trunnion mount
Cable extension
Factory acceptance test

Features:

Vibration isolation
High cross-axial stiffness
Vibration system made of ceramic material
Minimum maintenance effort
Made in Germany
Service hotline

TECHNICAL PARAMETERS Power Amplifier BAA 120

Output power _{RMS} ¹ max.	120 VA
Frequency range (small signal / full power)	DC - 100 kHz / 40 Hz - 25 kHz
Voltage-/Current mode	yes/yes
Voltage _{RMS} ¹ max.	22 V
Current _{RMS} ¹ max.	5.5 A
Signal input voltage _{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 ±5% 50/60 Hz CEE 7/7
Recommended fuse protection (Standard)	16 A slow
Max. power consumption at 230 V	0.08 kVA
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 ±5% 50/60 Hz

