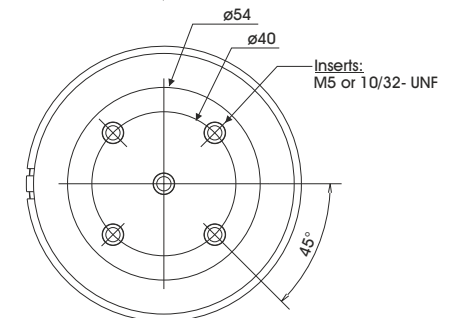
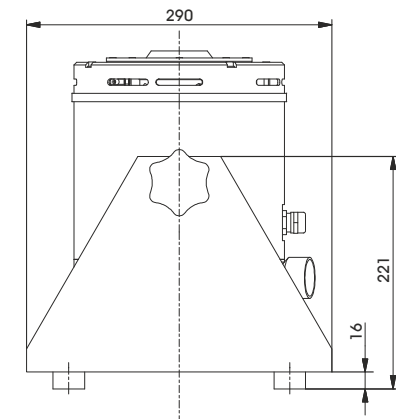
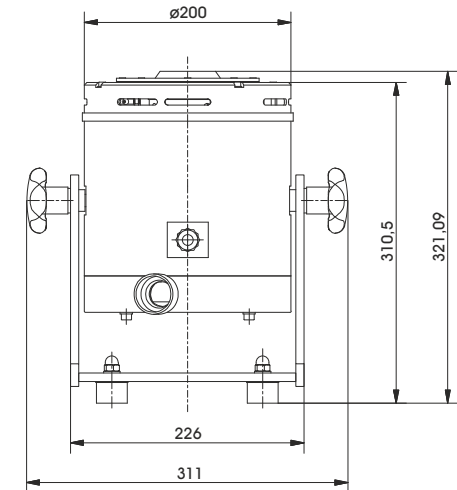


## TECHNICAL PARAMETERS Vibration exciter S 51120-C

|                                                                         |               |
|-------------------------------------------------------------------------|---------------|
| Rated peak force Sine <sub>pk</sub> /Random <sub>RMS</sub> <sup>1</sup> | 200/100 N     |
| Frequency range                                                         | 10 - 25000 Hz |
| Main resonance frequency                                                | > 25000 Hz    |
| Max. displacement Peak-Peak <sup>2</sup>                                | 4 mm          |
| Max. velocity                                                           | 1.2 m/s       |
| Max. acceleration Sine/Random                                           | 51/25 g       |
| Effective moving mass                                                   | 0.40 kg       |
| Total mass                                                              | 42 kg         |
| Armature diameter                                                       | 54 mm         |

1) Random force according to ISO 5344:2004

2) Payload has an impact on the possible maximum displacement



## SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

### Scope of delivery:

Vibration exciter  
Trunnion mount  
Power amplifier  
Cooling blower  
Connection cable (5 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))  
Cable extension  
Factory acceptance test

### Features:

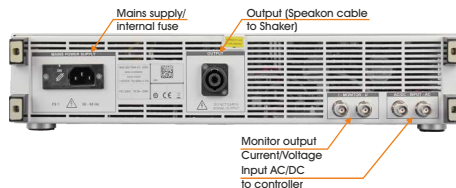
Vibration isolation  
Coarse filter unit  
High cross-axial stiffness  
Vibration system made of ceramic material  
Minimum maintenance effort  
Made in Germany  
Servicehotline

## TECHNICAL PARAMETERS Amplifier BAA 500

|                                                 |                                           |
|-------------------------------------------------|-------------------------------------------|
| Output power <sub>RMS</sub>                     | 500 VA                                    |
| Frequency range (small signal/full power)       | DC - 180 kHz / 20 Hz - 25 kHz             |
| Voltage-/Current mode                           | yes/yes                                   |
| Voltage <sub>RMS</sub> max                      | 45 V                                      |
| Current <sub>RMS</sub> max. (0.1 - 20 Hz)       | 11.2 A (9 A)                              |
| Signal input voltage <sub>PK</sub>              | 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)