Modal Vibration Test System TV 51130-MSC

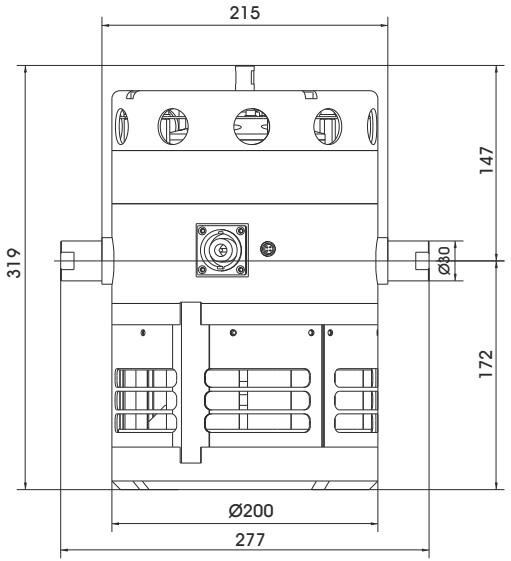
TECHNICAL PARAMETERS Modal exciter S 51130-MSC

Rated peak force $Sine_{pk}$/$Random_{RMS}$ [1]	350/200 N
Frequency range	DC - 3000 Hz
Main resonance frequency (free-swinging)	>4000 Hz
Max. displacement Peak-Peak	9 mm
Max. velocity	1.3 m/s
Suspension stiffness	70 N/mm
Effective moving mass	0.5 kg
Total mass	27 kg
Coupling thread	M8

1) Random force according to ISO 5344:2004



S 51130-MSC (Example drawing) (mm)



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:
- Modal exciter
- Power amplifier
  with blower control in a rack 19"
- Connection cable (3 m)
- Power cable (1.5 m)
  for amplifier (CEE 7/7 connector)

Options:
- Trunnion mount
- Stinger (see Modal brochure for details)
- Cable extension
- Factory acceptance test

Features:
- Integrated blower with control unit
- High cross-axial stiffness
- Light weight construction by using
  rare earth magnet
- Minimum maintenance effort
- Made in Germany
- Service hotline

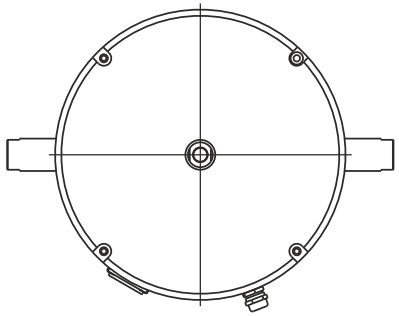
TECHNICAL PARAMETERS Power Amplifier BAA 500-MSC

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 incl. rack	37 kg
Dimensions incl. rack (WxHxD)	562 x 211 x 550 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
- Control unit for internal blower of the exciter



Illustration similar



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