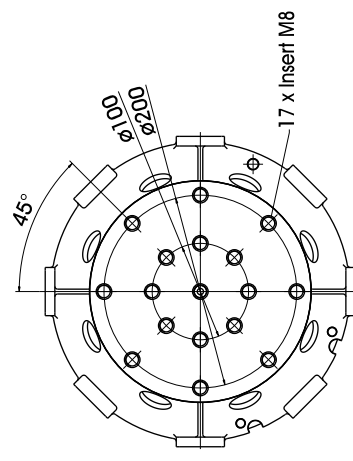
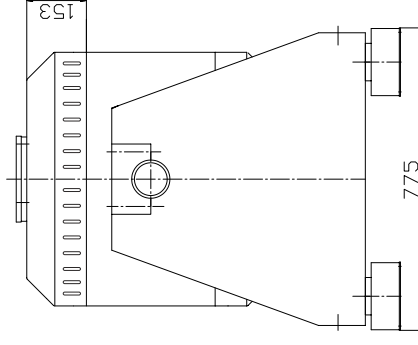
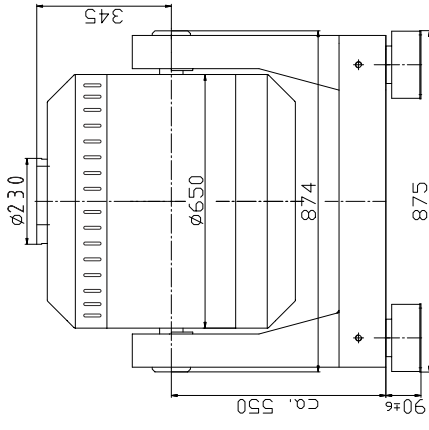


TECHNICAL PARAMETERS Vibration exciter S 51010/LS-230

Rated peak force $S_{pk}/Random_{rev}/Shock_{pk}^1$	11000/11000/33000 N
Frequency range	2-3000 Hz
Main resonance frequency	>2300 Hz
Max. displacement Peak-Peak	50.8 mm
Max. velocity Sine/Random/Shock	2.0/2.0/2.5 m/s
Max. acceleration Sine/Random/Shock ¹	85/65/200 g
Suspension stiffness	75 N/mm
Effective moving mass	13 kg
Max. weight tested	150 kg
Weight	1100 kg
Magn. stray field Std./low degaussing	<1.5/<0.8 mT
Armature diameter	230 mm
Min. required compressed air supply	600 kPa
Interlocks	Temperature, displacement, cooling air, overcurrent, compressed air

¹⁾ theoretical maximum shock value. Depends on payload, amplifier, shock and shock width



Armature 230 (Standard)

SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:	Options:	Features:
Vibration exciter 11 kN	Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request	Vibration isolation < 6 Hz
Swivel frame	Low degaussing kit to further reduce stray magnetic field	Coarse filter unit
Power amplifier 22.5 kVA	Squeak&Rattle (Silent operation without blower)	Fully automatic pneumatic load compensation
Cooling blower	Wheels&Rails (incl. 3m rails)	Automatic centering of the armature
Connection cables (each 5 m)	Thermobarrier (-40°C to +140°C)	Degauss kit to reduce stray magnetic field
Power cables (5 m) for amplifier (CEE 63 connector)	Chamber leadthrough	Integrated mains switch and line filter
Blower hose 100 mm (5 m)	Climatic chamber support kit	Integrated field power supply
Compressed-air hose NW 7,2 (Standard) (3 m)	Remote control (Software)	Noise-button
	Silencer for cooling blower (Noise reduction 3 - 6 dB(A))	Input voltage analyzer
	Acoustic enclosure for cooling blower (Noise reduction 5 - 23 dB(A))	Voltage clipping limiter to avoid clipping
	Cable extension	3 Sigma Peak current
	Factory acceptance test	Made in Germany
		Servicehotline

TECHNICAL PARAMETERS Amplifier A 1 01 3 023

Output power_{RMS}
 Frequency range
 Voltage_{RMS}, max.
 Current_{RMS}, max.
 Load resistance, opt.
 Signal input voltage_{RMS} (switchable)
 Distortion
 Signal to noise ratio
 Field voltage, max.
 Field current, max.
 Weight
 Dimensions (WxHxD)
 Power supply (Standard)
 Recommended fuse protection (Standard)
 Max. power consumption at 400 V (incl. blower)
 Interlocks:

22500 VA
 DC - 4 kHz
 150 V
 150 A
 1 Ohm
 2.5/5/10 V
 < 0.7 %
 > 90 dB
 140 V
 8 A
 330 kg
 600 x 1800 x 800 mm
 3~ / N / PE 400 V ±5% 50 Hz, CEE 63
 50 A slow
 22 kVA
 Overload, temperature, clipping
 and more

Features:

High signal to noise ratio of > 90 dB
 Field supply integrated
 Mains switch and integrated line filter
 ESD-monitoring
 (Protection of the system against damage)
 Field voltage/Field current variable
 according to customer spec.

Noise-button
 Input voltage analyzer
 Voltage clipping limiter to avoid
 clipping
 3 Sigma peak current

TECHNICAL PARAMETERS Cooling blower TB 120

Volume flow rate
 Total pressure difference
 Power
 Frequency
 Hose diameter
 Hose length (Std.)
 Weight
 Dimensions (WxHxD)
 Sound pressure level, max.
 Power supply (standard)
 Max. power consumption at 400 V

max. 1140 m³/h
 max. 28 kPa
 11.5 kW
 50 Hz
 100 mm
 5 m
 131 kg
 600 x 636 x 701 mm
 max. 87 dB(A)
 by amplifier rack
 1.6 kVA

Options:

Silencer TB 120-SI (Noise reduction 3 - 6 dB(A))
 Dimensions (LxD): 1100 x 160 mm
 Weight: 1.2 kg
 Acoustic enclosure TB 120-AE (Noise reduction 5 - 23 dB(A))
 Dimensions (WxHxD): 1094 x 1086 x 1000 mm
 Weight: 134 kg
 Hose length according to customers request (up to 10 m)



Cooling blower TB 120



Silencer TB 120-SI
(optional)



Acoustic enclosure TB 120-AE
(optional)