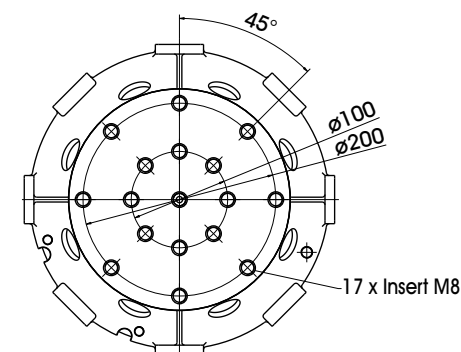
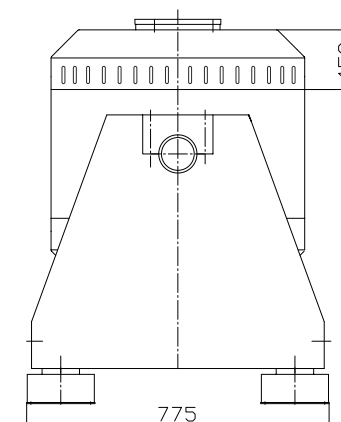
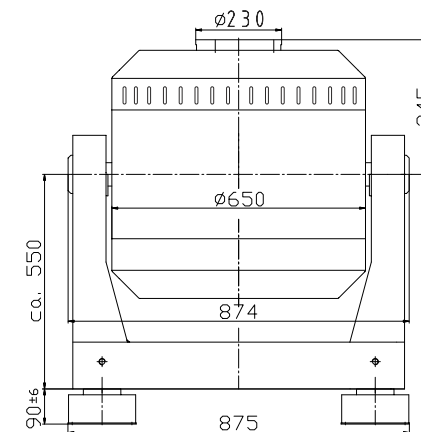


TECHNICAL PARAMETERS Vibration exciter S 57315/LS-230

Rated peak force Sine _{pk} /Random _{RMS} /Shock _{pk} ¹	15000/13000/45000 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	115/80/230 g
Suspension stiffness	75 N/mm
Effective moving mass	13 kg
Max. weight tested	250 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:

Vibration exciter 15 kN
Trunnion mount
Power amplifier 22.5 kVA
Cooling blower
Connection cables (each 5 m)
Power cables (5 m)
for amplifier (CEE 63 connector)
Blower hose \varnothing 100 mm (5 m)
Compressed-air hose NW 7,2
(Standard) (3 m)

Options:

Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request
Low degaussing kit to further reduce stray magnetic field
Squeak&Rattle (Silent operation without blower)
Wheels&Rails (incl. 3m rails)
Thermobarrier (-40°C to +140°C)
Chamber leadthrough
Climatic chamber support kit
Remote control (Software)
Silencer for cooling blower (Noise reduction 3 - 6 dB(A))
Acoustic enclosure for cooling blower (Noise reduction 5 - 23 dB(A))
Cable extension
Factory acceptance test

Options:

TIRA EMS Energy Management System

Operation with temperature-controlled cooling blower (and optional with variable field strength)

Features:

Vibration isolation < 6 Hz
Coarse filter unit
Fully automatic pneumatic load compensation
Automatic centering of the armature
Degauss kit to reduce stray magnetic field
Made in Germany
Servicehotline

TECHNICAL PARAMETERS Amplifier A 3 01 3 034

Output power _{RMS}	22500 VA
Frequency range	DC - 4 kHz
Voltage _{RMS} , max.	150 V
Current _{RMS} , max.	225 A
Signal input voltage _{RMS} (switchable)	2.5/5/10 V
Distortion	< 0.7 %
Signal to noise ratio	> 90 dB
Field voltage, max.	140 V
Field current, max.	8 A
Weight	515 kg
Dimensions (WxHxD)	600 x 2200 x 800 mm
Power supply (Standard)	3~ / N / PE 400 V±5% 50 Hz, CEE 63
Recommended fuse protection (Standard)	63 A slow
Max. power consumption at 400 V (incl. blower)	27 kVA
Interlocks:	Overload, temperature, clipping and more
Features:	
High Signal to noise ratio of >90 dB	Noise-button
Field supply integrated	Input voltage analyzer
Mains switch and integrated line filter	Voltage clipping limiter to avoid clipping
ESD-monitoring (Protection of the system against damage)	3 Sigma peak current
Field voltage/Field current variable according to customer spec.	

TECHNICAL PARAMETERS Cooling blower TB 120

Volume flow rate	max. 1140 m³/h
Total pressure difference	max. 28 kPa
Power	11.5 kW
Frequency	50 Hz
Hose diameter	100 mm
Hose length (Std.)	5 m
Weight	131 kg
Dimensions (WxHxD)	600 x 636 x 701 mm
Sound pressure level, max.	max. 87 dB(A)
Power supply (standard)	by amplifier rack
Max. power consumption at 400 V	16 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)