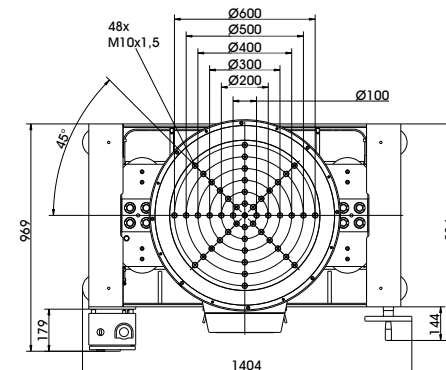
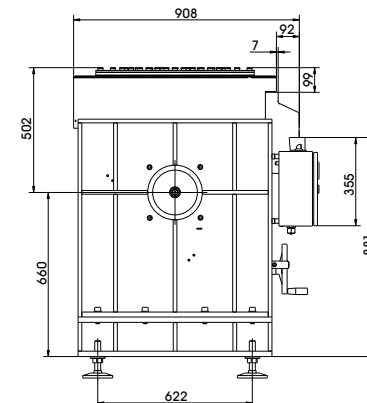
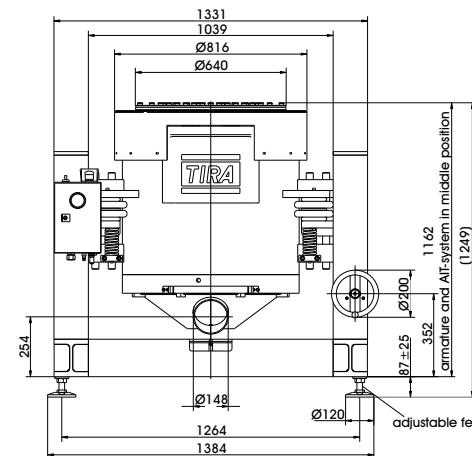


TECHNICAL PARAMETERS Vibration exciter S 59327/*-640

Rated peak force Sine _{pk} /Random _{RMS} /Shock _{pk} ¹	27000/27000/80000 N
Frequency range	5 - 2000 Hz
Main resonance frequency	> 1900 Hz
Max. displacement Peak-Peak	50.8 mm
Max. velocity Sine/Random/Shock	2.0/1.8/2.5 m/s
Max. acceleration Sine/Random/Shock ¹	66/50/131 g
Suspension stiffness	150 N/mm
Effective moving mass	40.5 kg
Max. weight tested	610 kg
Weight with trunnion RIT/AIT/LB*	2350/2700/2250 kg
Magn. stray field std./low degaussing	<2/<1 mT
Armature diameter	640 mm
Required compressed air supply (load-dependent)	600-1000 kPa
Interlocks	Temperature, displacement, cooling air, overcurrent, compressed air

1) theoretical maximum shock value. Depends on payload, amplifier, shock and shock width
* RIT, AIT or LB



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:
Vibration exciter 27 kN
Trunnion mount (AIT, RIT or LB)
Power amplifier 37.5 kVA
Cooling blower
Frequency converter
Connection cables (each 10 m)
Power cables (10 m)
for amplifier (CEE 63 connector) and cooling blower (CEE 32 connector)
Blower hose ø150 mm (5 m)
Compressed-air hose NW 7,2 (Standard) (5 m)

Options:
Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request

Options:
AIT-trunnion mount with integrated vibration isolation
RIT-trunnion mount
LB-frame
Low degaussing kit to further reduce stray magnetic field
Airglide-option (Shaker movable on air cushions)
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 9 - 15 dB(A))
Acoustic enclosure for cooling blower (Noise reduction 5 - 23 dB(A))
Water-cooled acoustic enclosure for cooling blower (Noise reduction 30 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 < 3 Hz (AIT) < 6 Hz (RIT;LB)
Coarse filter unit
Fully automatic pneumatic load compensation
AIT fixable
Automatic centering of the AIT-System and the armature
Degauss kit to reduce stray magnetic field
Made in Germany
Servicehotline

TECHNICAL PARAMETERS Amplifier A 3 08 3 057

Output power _{RMS}	37500 VA
Frequency range	DC - 4 kHz
Voltage _{RMS} , max.	150 V
Current _{RMS} , max.	375 A
Signal input voltage _{RMS} (switchable)	2.5/5/10 V
Distortion	< 0.7 %
Signal to noise ratio	> 90 dB
Field voltage, max.	105 V
Field current, max.	75 A
Weight	640 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	28 kVA
Interlocks:	Overload, temperature, clipping and more
Features:	
High Signal to noise ratio of >90 dB	Lo-Field/Hi-Field button (Energy-saving mode)
Field supply integrated	Noise-button
Mains switch and integrated line filter	Input voltage analyzer
ESD-monitoring	Voltage clipping limiter to avoid clipping
(Protection of the system against damage)	3 Sigma peak current
Field voltage/Field current variable according to customer spec.	

TECHNICAL PARAMETERS Cooling blower TB 7/FU/11

Volume flow rate	max. 1920 m³/h
Total pressure difference	max. 10.2 - 10.6 kPa
Power	11 kW
Frequency	105 Hz
Hose diameter	150 mm
Hose length (Std.)	5 m
Weight	157 kg
Dimensions (WxHxD)	625 x 700 x 537 mm
Sound pressure level, max.	102 dB(A)
Frequency converter (fixation to wall):	
Weight	30 kg
Dimensions (WxHxD)	380 x 600 x 350 mm
Power supply (variable)	3~ / PE 400 V±5% 50 Hz, CEE 32
Recommended fuse protection (Standard)	35 A slow
Max. power consumption at 400 V	17.5 kVA
Options:	
Silencer TB 7/FU-SI (Noise reduction 9 - 15 dB(A))	
Dimensions (LxD):	1120 x 280 mm
Weight:	9.2 kg
Acoustic enclosure TB 7/FU-AE (Noise reduction 5 - 23 dB(A))	
Dimensions (WxHxD):	1130 x 1630 x 1630 mm
Weight:	103 kg
Water-cooled acoustic enclosure WWT (Noise reduction 30 dB(A))	
Dimensions (WxHxD):	1500 x 2080 x 1200 mm
Weight:	800 kg
Hose length according to customers request (up to 10 m)	



Frequency converter (enclosure)



Cooling blower TB 7/FU/11



Silencer TB 7/FU-SI (optional)



Acoustic enclosure TB 7/FU-AE (optional)