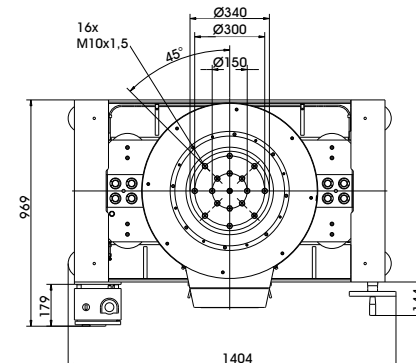
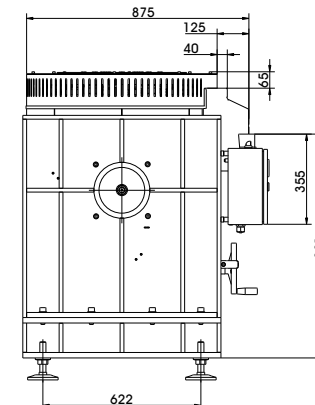
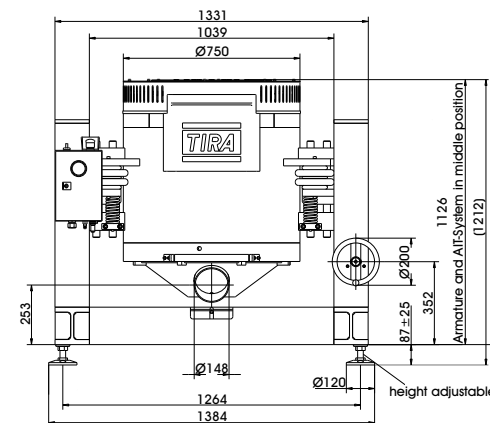


**TECHNICAL PARAMETERS Vibration exciter S 59327/\*-340**

Rated peak force Sine <sub>pk</sub> /Random <sub>RMS</sub> /Shock <sub>pk</sub> <sup>1</sup>	27000/27000/80000 N
Frequency range	5 - 3000 Hz
Main resonance frequency	> 2400 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 <sup>1</sup>	84/65/167 g
Suspension stiffness	150 N/mm
Effective moving mass	29.0 kg
Max. weight tested	610 kg
Weight with trunnion RIT/AIT/LB*	2350/2700/2250 kg
Magn. stray field std./low degaussing	<1.5/<0.8 mT
Armature diameter	340 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 30 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)  
Low Pressure unit for operation  
with vacuum chambers  
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 3 045

Output power <sub>RMS</sub>	30000 VA
Frequency range	DC - 4 kHz
Voltage <sub>RMS</sub> , max.	150 V
Current <sub>RMS</sub> , max.	300 A
Signal input voltage <sub>RMS</sub> (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	620 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	25 kVA
Interlocks:	Overload, temperature, clipping and more
<b>Features:</b>	
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)
<b>Frequency converter (fixation to wall):</b>	
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
<b>Options:</b>	
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)