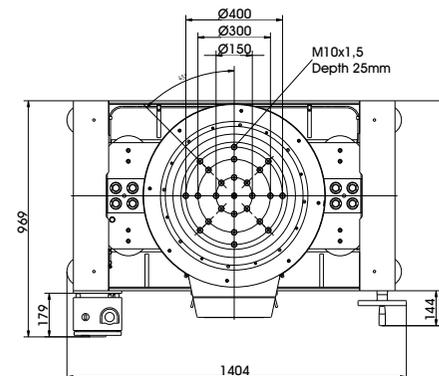
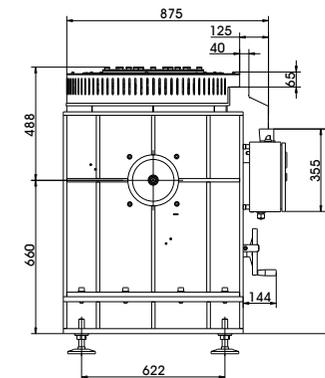
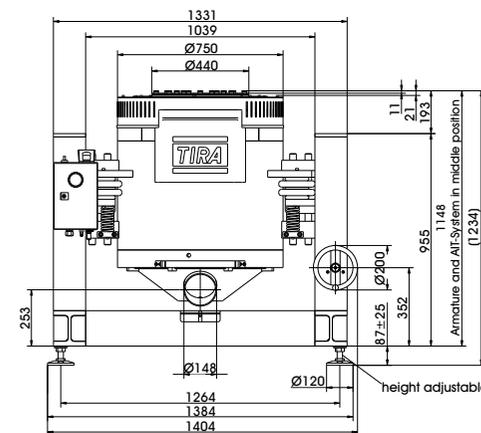


TECHNICAL PARAMETERS Vibration exciter S 59335/*-440

Rated peak force Sine _{pk} /Random _{RMS} /Shock _{pk} ¹	35000/32000/105000 N
Frequency range	5 - 3000 Hz
Main resonance frequency	> 2400 Hz
Max. displacement Peak-Peak ²	50.8 mm
Max. velocity Sine/Random/Shock	2.0/1.8/2.5 m/s
Max. acceleration Sine/Random/Shock ¹	100/67/207 g
Suspension stiffness	150 N/mm
Effective moving mass	38.0 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	440 mm
Required compressed air supply (load-dependent)	600-1000 kPa
Interlocks	Temperature, displacement, cooling air, overcurrent, compressed air

* RIT, AIT or LB

1) theoretical maximum shock value. Depends on payload, amplifier, shock and shock width
2) optional displacement of 76.2 mm (3 inch) for transient applications, 63.5mm (2.5") for Sine and Random.
Impact by moving to static mass and frequency is possible



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:
Vibration exciter 35 kN
Trunnion mount (AIT, RIT or LB)
Power amplifier 57 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
AIT-trunnion mount
with integrated vibration isolation
RIT-trunnion mount
LB-frame

Options:
3 inch (76.2 mm) displacement
Dual Bearing armature
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	38 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/FUK/11

Max. volume flow rate	1920 m³/h
Max. total pressure difference	16 kPa
Motor output	11 kW
Max. frequency	105 Hz
Hose diameter	150 mm
Hose length (Std.)	5 m
Weight	113 kg
Dimensions (WxHxD)	625 x 775 x 602 mm
Max. sound pressure level	102 dB(A)
Frequency converter (fixation to wall):	
Weight	10 kg
Dimensions (WxHxD)	300 x 300 x 250 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/FUK-SI (Noise reduction 9 - 15 dB(A))	
Dimensions (LxD): 1120 x 280 mm	
Weight: 9.2 kg	
Acoustic enclosure TB 7/FUK-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/FUK/11



Silencer TB 7/FUK-SI (optional)



Acoustic enclosure TB 7/FUK-AE (optional)