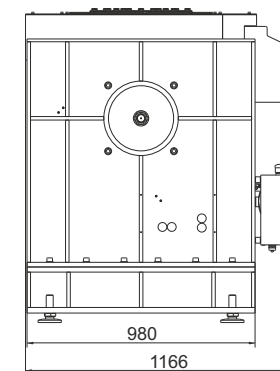
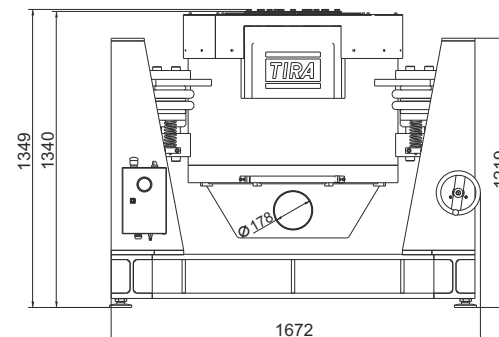


TECHNICAL PARAMETERS

| | |
|---|---|
| Rated peak force Sine _{pk} /Random _{RMS} ¹ /Shock _{pk} ² | 56000/56000/160000 N |
| Frequency range | 5 - 2500 Hz |
| Main resonance frequency | > 2100 Hz |
| Max. displacement Pk-Pk Sine/Random/Shock ³ | 63.5/63.5/76.2 mm |
| Max. velocity Sine/Random/Shock | 2.0/2.0/3.5 m/s |
| Max. acceleration Sine/Random/Shock | 100/80/350 g |
| Suspension stiffness | 250 N/mm |
| Effective moving mass | 55 kg |
| Max. payload | 910 kg |
| Magn. stray field ⁴ | 1.5 mT |
| Armature diameter | 480 mm |
| Min. required compressed air supply | 600 kPa |
| Total mass | 4800 kg |
| Interlocks | Temperature, displacement, cooling air, overcurrent, compressed air |

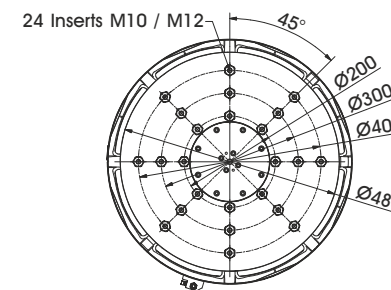


1) Random force vector according to ISO 5344
 2) Theoretical maximum shock value. Depends on payload, amplifier, shock and shock width
 3) Impact by moving to static mass and frequency is possible
 4) measured at 150 mm above armature inserts

For long-term tests, the load must be reduced to 80 %. Continuous operation at maximum load can cause damage.

SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

| | | |
|---|--|---|
| <p>Scope of delivery: Vibration exciter S 59356 Trunnion mount with integrated vibration isolation (AIT) Power amplifier Cooling blower Connection box for blower Connection cables (each 10 m) Power cable (10 m) for cooling blower (CEE 63 connector) Blower hose \varnothing175 mm (5 m) Compressed-air hose NW 7,2 (Standard) (5 m)</p> | <p>Options: Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request Airglide-option (Shaker movable on air cushions) 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 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</p> | <p>Options: TIRA EMS Energy Management System Operation with temperature-controlled cooling blower (and optional with variable field strength) ASM-Mode (Auto Shutdown Manager)</p> <p>Features: AIT-trunnion with integrated vibration isolation < 3 Hz 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</p> |
|---|--|---|



Armature 480 (Standard)

TECHNICAL PARAMETERS Amplifier A 6 26 11 126

| | |
|---|---|
| Output power _{RMS} | 75000 VA |
| Frequency range | DC - 5 kHz |
| Voltage _{RMS} , max. | 212 V |
| Current _{RMS} , max. | 600 A |
| Signal input voltage _{PK} | ±10 V |
| Total Harmonic Distortion | < 0.2 % |
| Signal to noise ratio | > 80 dB |
| Field voltage | 250 V |
| Field current | 103 A |
| Power supply (Standard) | 3~ / N / PE 400 V±5% 50 Hz Direct connection (Terminal block) |
| Max. power consumption at 400 V | 66 kVA |
| Recommended fuse protection (Standard) | 125 A slow |
| Dimensions (WxHxD) | 1800 x 2200 x 900 mm |
| Total mass | 1100 kg |
| Interlocks: | Overload, Temperature, Displacement, Cooling air, Compressed air, Phase monitoring, Emergency stop |
| Features: | |
| Field supply integrated | |
| Mains switch and integrated line filter | |
| Lo-Field/Hi-Field (Energy-saving mode) | |
| Field voltage/Field current variable according to customer spec. | |
| 4 Sigma peak current | |
| Color Touch Screen | |

TECHNICAL PARAMETERS Cooling blower TB 7/FUK/20

| | |
|--|-------------------------------|
| Max. volume flow rate | 5820 m³/h |
| Max. total pressure difference | 16 kPa |
| Motor output | 20 kW |
| Max. frequency | 105 Hz |
| Hose diameter | 175 mm |
| Hose length (Std.) | 5 m |
| Total mass | 131 kg |
| Dimensions (WxHxD) | 625 x 773 x 602 mm |
| Max. sound pressure level | 105 dB(A) |
| Connection box (fixation to wall): | |
| Mass | 10 kg |
| Dimensions (WxHxD) | 300 x 300 x 250 mm |
| Power supply (variable) | 3~ / PE 400 V±5% 50 Hz CEE 63 |
| Recommended fuse protection (Standard) | 50 A slow |
| Max.current consumption at 400 V | 38 A |
| Options: | |
| Silencer TB 7/FUK-SI (Noise reduction 9 - 15 dB(A)) | |
| Dimensions (LxD): 1120 x 280 mm | |
| Mass: 9.2 kg | |
| Acoustic enclosure TB 7/FUK-AE (Noise reduction 5 - 23 dB(A)) | |
| Dimensions (WxHxD): 1250 x 1393 x 1470 mm | |
| Mass: 103 kg | |
| Water-cooled acoustic enclosure WWT (Noise reduction 30 dB(A)) | |
| Dimensions (WxHxD): 1500 x 2080 x 1200 mm | |
| Mass: 800 kg | |
| Hose length according to customers request (up to 10 m) | |



Amplifier (illustration similar)



Connection box with main switch (for blower)



Cooling blower TB 7/FUK/20 with frequency converter



Silencer TB 7/FUK-SI (optional)



Acoustic enclosure TB 7/FUK-AE (optional)