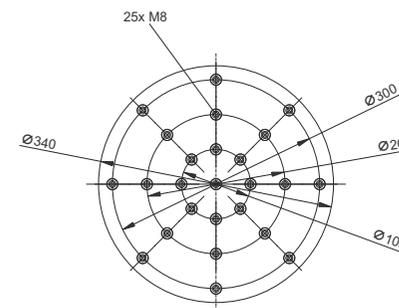
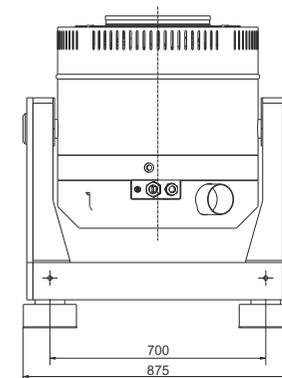
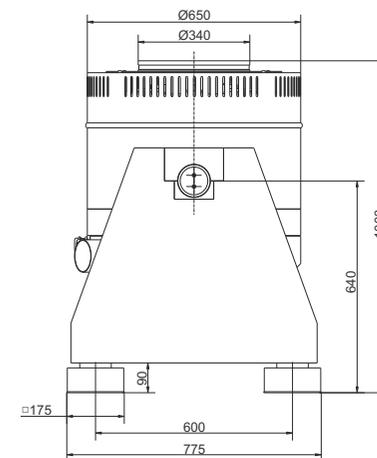


TECHNICAL PARAMETERS Vibration exciter S 51010/LS-340

| | |
|--|---|
| Rated peak force Sine _{pk} /Random _{RMS} /Shock _{pk} ¹ | 11 000/11 000/33000 N |
| Frequency range | 2-3000 Hz |
| Main resonance frequency | >2400 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 | 82/75/167 g |
| Suspension stiffness | 75 N/mm |
| Effective moving mass | 14 kg |
| Max. weight tested | 250 kg |
| Weight | 1100 kg |
| Magn. stray field Std./low degaussing | <1.5/<0.8 mT |
| Armature diameter | 340 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 340 (Standard)

SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

| | | |
|--|--|---|
| <p>Scope of delivery:</p> <ul style="list-style-type: none"> Vibration exciter 11 kN Trunnion mount Power amplifier 15 kVA Cooling blower Connection cables (each 5 m) Power cables (5 m) Blower hose ø140 mm (5 m) Compressed-air hose NW 7,2 (Standard) (3 m) | <p>Options:</p> <ul style="list-style-type: none"> 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 | <p>Options:</p> <p>TIRA EMS Energy Management System</p> <p>Operation with temperature-controlled cooling blower (and optional with variable field strength)</p> <p>Features:</p> <ul style="list-style-type: none"> 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 1 01 3 023

| | |
|--|--|
| Output power _{RMS} | 15000 VA |
| Frequency range | DC - 4 kHz |
| Voltage _{RMS} , max. | 150 V |
| Current _{RMS} , max. | 150 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 | 330 kg |
| Dimensions (WxHxD) | 600 x 1800 x 800 mm |
| Power supply (Standard) | 3~ / N / PE 400 V±5% 50 Hz, CEE 63 |
| Recommended fuse protection (Standard) | 50 A slow |
| Max. power consumption at 400 V (incl. blower) | 22 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 FUK

| | |
|---|--------------------|
| Max. volume flow rate | 1500 m³/h |
| Total pressure difference | 10.2 kPa |
| Motor output | 5.5 kW |
| Max. frequency | 100 Hz |
| Hose diameter | 140 mm |
| Hose length (Std.) | 5 m |
| Weight | 61 kg |
| Dimensions (WxHxD) | 487 x 637 x 487 mm |
| Max. sound pressure level | 102 dB(A) |
| Power supply (standard) | by amplifier rack |
| Max. power consumption at 400 V | 7 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 FUK



Silencer TB 120-SI (optional)



Acoustic enclosure TB 120-AE (optional)