

**TECHNICAL PARAMETERS Amplifier A 1 01 11 021**

Max. output power <sub>RMS</sub>	15 kVA
Frequency range	DC - 5000 Hz
Voltage <sub>RMS</sub> max.	±212 V
Current <sub>RMS</sub> max.	100 A
Signal input voltage	10 V
Total Harmonic Distortion (at 70A <sub>RMS</sub> , 200 Hz)	< 0.2 %
Signal to noise ratio	> 80 dB
Field power supply (FPS)	internal
Field voltage	140 V
Field current	8 A
Total mass	260 kg
Dimensions (WxHxD)	600 x 1740 x 800 mm
Power supply	3~ / N / PE 400 V±5% 50 Hz, CEE 63
Recommended fuse protection	50 A slow
Max. power consumption at 400 V (at operation with vibration test system TV 51010/LS, blower TB 120 FUK)	16 kVA (incl. blower supply)
Interlocks:	Overload, Temperature, Displacement, Cooling air, Compressed air, Phase monitoring, Emergency stop

**Features:**

- TIRA Digital amplifiers can be adapted to almost all shakers existing on the market
- Low distortion factor of up to < 0.2 %
- High clock frequency power modules of 102 kHz ±5%
- Multifunctional LC-touch screen display
- Error indication and system parameters are shown in plain text
- Safety management monitors temperature, overcurrent, overtravel and air supply of the vibration test system
- Inputs for additional safety functions from external sources
- Adjustable current limit
- Adjustable output voltage offset
- Field power supply integrated
- Integrated mains switch and line filter
- Field voltage/current variable according to customer specification
- 4 Sigma peak current
- Energy-saving mode on request
- Power cable length 5 m (Standard) with CEE 63 connector (variable according to customer specification)

