

TECHNICAL PARAMETERS Amplifier A 1 01 11 010

Max. output power _{RMS}	11 kVA (4.2 kVA with system TV 50350)
Frequency range	DC - 5000 Hz
Voltage _{RMS} max.	±105 V
Current _{RMS} max.	100 A (40 A with system TV 50350)
Signal input voltage	10 V
Total Harmonic Distortion (at 70A _{RMS} , 200 Hz)	< 0.2 %
Signal to noise ratio	> 80 dB
Field power supply (FPS)	internal
Field voltage	180 V (105 V with system TV 50350)
Field current	6 A
Total mass	260 kg
Dimensions (WxHxD)	600 x 1740 x 800 mm
Power supply	3~ / N / PE 400 V±5% 50 Hz, CEE 16
Recommended fuse protection	16 A slow
Max. power consumption at 400 V (at operation with vibration test system TV 55240, blower TB 0310)	6.5 kVA (without blower supply: 1.3 kVA)
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 16 connector (variable according to customer specification)

