

TECHNICAL PARAMETERS Amplifier A 5 00 11 483

Max. output power _{RMS}	240 kVA
Frequency range	DC - 5000 Hz
Voltage _{RMS} max.	±212 V
Current _{RMS} max.	2300 A
Signal input voltage	10 V
Total Harmonic Distortion (at 70A _{RMS} , 200 Hz)	< 0.2 %
Signal to noise ratio	> 80 dB
Field power supply	external
Field voltage	360 V
Field current	300 A
Total mass Amplifier/Field power supply	2600 kg / 1135 kg
Dimensions Amplifier/Field power supply (WxHxD)	2840 x 2200 x 1050 mm / 1200 x 1740 x 800 mm
Power supply	3~ / N / PE 400 V±5% 50 Hz, Direct connection
Recommended fuse protection Amplifier/FPS	450 A slow / 200 A slow
Max. power consumption at 400 V (at operation with vibration test system TV 59430, cooling unit C 59430)	370 kVA (without cooling unit supply: 358 kVA) (FPS:110 kVA)
Interlocks:	Overload, temperature, displacement, compressed air, phase monitoring, differential pressure, water flow rate, conductance, 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 interlocks 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
- Lo-Field/Hi-Field (Energy-saving mode)
- Power cable length 10 m (Standard) (variable according to customer specification)



Amplifier



Field power supply