

TECHNICAL PARAMETERS Amplifier A 5 40 11 210

Max. output power _{RMS}	120 kVA
Frequency range	DC - 5000 Hz
Voltage _{RMS} max.	±212 V
Current _{RMS} max.	1000 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	internal
Field voltage	155 V
Field current	260 A
Total mass	2250 kg
Dimensions (WxHxD)	2840 x 2200 x 1050 mm
Power supply	3~ / N / PE 400 V±5% 50 Hz, Direct connection
Recommended fuse protection	224 A slow
Max. power consumption at 400 V	120 kVA
(at operation with vibration test system TV 59374, cooling unit C 59410)	
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)	

