TIRA Schwingtechnik
Vibration Test Systems

Digital Amplifier A 6 26 11 126

TECHNICAL PARAMETERS Amplifier A 6 26 11 126

Max. ouput power$_{RMS}$	75000 VA
Frequency range	DC - 5000 Hz
Voltage$_{RMS}$, max.	212 V
Current$_{RMS}$, max.	600 A
Signal input voltage$_{PK}$	±10 V
Total Harmonic Distortion (at 70A$_{RMS}$, 200 Hz)	< 0.2 %
Signal to noise ratio	> 85 dB
Field voltage	250 V
Field current	103 A
Power supply	3~ / N / PE 400 V±5% 50 Hz, Direct connection
Max. power consumption at 400 V	66 kVA (at operation with vibration test system TV 59356)
Recommended fuse protection	125 A slow
Dimensions (WxHxD)	1800 x 2200 x 900 mm
Total mass	1100 kg
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
- Flexible in output power due to modular design
- 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
- Integrated mains switch and line filter
- Field supply integrated
- Field voltage/current variable according to customer specification
- 4 Sigma peak current
- Multiple field switching (Energy-saving mode)



Amplifier (illustration similar)

TIRA GmbH Eisfelder Str. 23/25, 96528 Schalkau, Germany • Phone: +49 36766 280-0 • Fax: +49 36766 280-99 • Internet: www.tira-gmbh.de • Email: st@tira-gmbh.de

© TIRA GmbH • Version 03 - 2026-03-05 Subject to modifications