# Digital Amplifier A 6 00 11 273

## TECHNICAL PARAMETERS Amplifier A 6 00 11 273

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|---|---|
| Max. ouput power$_{RMS}$ | 150000 VA |
| Frequency range | DC - 5000 Hz |
| Voltage$_{RMS}$, max. | 212 V |
| Current$_{RMS}$, max. | 1300 A |
| Signal input voltage$_{PK}$ | ±10 V |
| Total Harmonic Distortion (at 70A$_{RMS}$, 200 Hz) | < 0.2 % |
| Signal to noise ratio | > 85 dB |
| Power supply - Amplifier | 3~ / N / PE 400 V±5% 50 Hz, Direct connection |
| Power supply - Field power supply unit | 3~ / N / PE 400 V±5% 50 Hz, Direct connection |
| Max. power consumption at 400 V - Amplifier | 95 kVA (at operation with vibration test system TV 59410) |
| Max. power consumption at 400 V - Field power supply | 40 kVA |
| Recommended fuse protection - Amplifier | 225 A slow (for full extension) |
| Recommended fuse protection - Field power supply | 125 A slow |
| Dimensions (WxHxD) - Amplifier | 2400 x 2200 x 900 mm |
| Dimensions (WxHxD) - Field power supply | 600 x 1740 x 850 mm |
| Total mass - Amplifier | 1800 kg |
| Total mass - Field power supply | 500 kg |
| Interlocks: | Overload, temperature, displacement, compressed air, phase monitoring, water flow rate, conductance, 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 voltage/current variable according to customer specification
- 4 Sigma peak current
- Multiple field switching (Energy-saving mode)




Amplifier (illustration similar)




Field power supply

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Subject to modifications