zenitel

DATASHEET



1023131400

EA1400

SPA V2 Amplifier 1 x 400W

- 1x 400 watt continuous effect
- Power efficient class D technology
- 110-230 VAC power
- 2HU
- Loudspeaker line monitoring

MED Certification Onboard communication Audio

Description

The EA1400 SPA V2 Amplifier is an analog class D amplifier designed for use in marine, offshore and other demanding environments. The amplifier utilizes state-of-the-art class D amplifier technology to ensure high power efficiency and superb audio quality.

The amplifier is self-monitoring including basic monitoring of the speaker lines. The audio output channels can be monitored for line faults such as shorts circuits and ground faults.

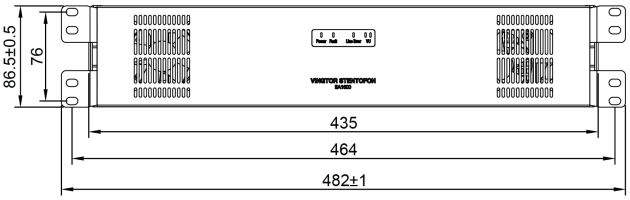
Technical Dimensions

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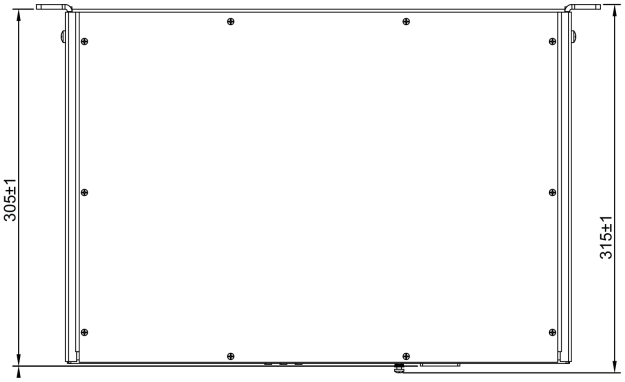
FRONT VIEW



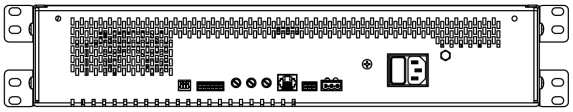
SIDE VIEW



TOP VIEW



REAR VIEW



All dimensions in mm

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Specifications

MECHANICAL

Dimensions (HxWxD)	87 x 482 x 308 mm
Weight	10 kg
Shipping Weight	11.5 kg
Mounting	19" Rack, 2HU
Color	Black

USER INTERFACE

Indicators	Power, Fault, Line error, VU meter
Audio control	Volume, Bass, Treble, Pilot tone

ENVIROMENTAL

Operating temperature	-15°C to +55°C
Operating humidity	15% to 95% (non-condensing)
Storage temperature	-40°C to +70°C
Storage humidity	10% to 95% (non-condensing)
Air pressure	700 hPa to 1300 hPa
IP rating	IP-32
Environmental Condition	Protected

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ELECTRICAL

Connector	V-lock, IEC 60320-1 C14 compliant
Nominal voltage	100 – 230 VAC, 50-60 Hz
Inrush current	Max 22.5A
Power consumption	P(idle) ≤ 32 W, P(nom) = 570VA, P(overload) = 650VA

LINE CONNECTION

Nominal input level	500 mVRMS – 1 VRMS
Input impedance	10 kΩ
Input level to trigger VOX for optional bypass	>35 mVRMS

AUDIO OUTPUTS

Output power	400W music @ 55°C continuously, 400W alarm @ 55°C 30 min.
Output line technology	100 volt / 70 volt
Frequency response	200 Hz to 19 kHz ±3 dB
SNR	79dBA, A-weighted noise -81dBA
THD	<0.3% @ 1kHz @ 400W
Rated load resistance	100V: 25Ω, 70V: 12.5Ω
Rated load capacitance	470nF

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LINE MONITORING	
Short circuit detection 100V / 70V	<12Ω / <6Ω impedance @ pilot tone enabled
Ground fault detection 100V / 70V	<100Ω / <70Ω impedance @ pilot tone enabled

FAULT RELAY	
(COM, NO, NC)	Max recommended levels: 1A, 100 VDC, 125VAC, switching 60W/62.5VA

CERTIFICATIONS	
Environmental	EN 60945
Immunity - Emissions	EN/IEC 61000-4-2, EN/IEC 61000-4-3, EN/IEC 61000-4-5, EN/IEC 61000-4-6, EN/IEC 61000-4-11
Safety	IEC 60529

Used With

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SPA-400D-V2

PA Main Unit,19" Rack

Item Number: 2340130005

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