

2340100008

## EA1400 (MED)

SPA V2 Amplifier 1 x 400W



- ✓ 1x 400 watt continuous effect
- ✓ Power efficient class D technology
- ✓ 110-230 VAC power
- ✓ 2HU
- ✓ Loudspeaker line monitoring
- ✓
- ✓ For use in MED certified Cabinets



Onboard communication Audio

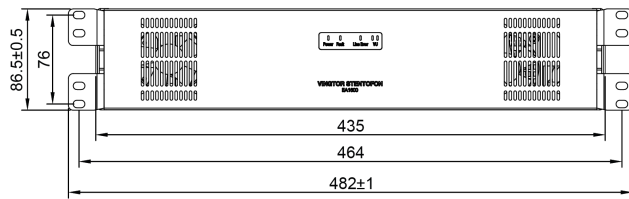
## Description

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.

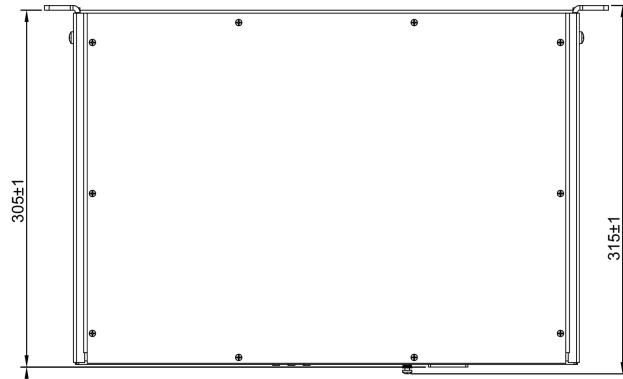
The amplifier is self-monitoring including basic monitoring of the speaker lines. The audio output channels can be monitored for line faults such as shorts circuits and ground faults.

## Technical Dimensions

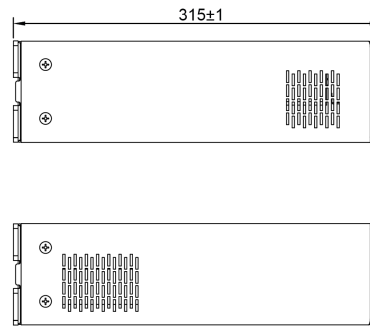
FRONT VIEW



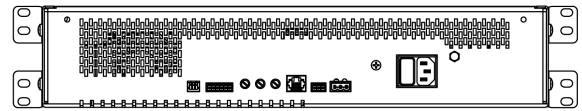
TOP VIEW



SIDE VIEW



REAR VIEW



All dimensions in mm

# 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

## ELECTRICAL

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

## LINE CONNECTION

Nominal input level	500 mVRMS – 1 VRMS
Input impedance	10 k $\Omega$
Input level to trigger VOX for optional bypass	>35 mVRMS

## AUDIO OUTPUTS

Rated load	400W
Output line technology	100 volt / 70 volt
Power calculation acc. EN50695	400W @1kHz for 30 min.
Frequency response	200 Hz to 19 kHz $\pm 3$ dB
THD	<0.3% @ 1kHz @ 400W, 30 min.
SNR	79dBA, A-weighted noise -86dBA
Rated load resistance	100V: 25 $\Omega$ , 70V: 12.5 $\Omega$
Rated load capacitance	470nF

## 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
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## 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
Product	EN 50695