

SB828

Dual Driver Subwoofer

- ▶ Premium dual voice coil transducers with ultra linear suspension behavior for exceptional impulse response
- ▶ Innovative ultra-low turbulence port
- ▶ Can be ground stacked or permanently suspended with 16 x M10 points
- ▶ Flexible mounting, weather protection & color options



OVERVIEW

The EAW engineering team has pushed the legendary SB series to new levels with the introduction of SB828.

SB828 is designed around a low turbulence port based in fluid dynamic research married with groundbreaking transducer design.

Compact height and depth allow for the subwoofers to be deployed in many room types, and configurable sound-isolating feet allow for either horizontal or vertical installation. Sixteen M10 mounting points allow for a myriad of permanent suspension options.

TECHNOLOGIES



DynO™ Dynamic Optimization actively tracks input spectrum and power delivery, continually wicking maximizing output and fidelity at any drive level.



Phase Aligned LF™ Tuned spacing of LF components to extend pattern control without the need for enormous horns.



Symmetry of Sources™ Symmetrical arrangement of acoustic sources along a common axis for utmost consistency throughout the coverage pattern.

TECHNICAL SPECIFICATIONS

PERFORMANCE	
Max SPL ¹	142 dB
Operating Range ²	25-120 Hz
Nominal Beamwidth ³	Horizontal 360° Vertical 360°
Nominal Impedance	4 ohms
CONFIGURATION	
Subsystem LF Transducer, Loading	2x 18in, 4in Voice Coil, Vented
Operating Mode Single-amp	Single Amp / BI-AMP VLF Pins 1+/1- VLF 1/2 (4 ohm) Pins 1+/1- VLF 1 Pins 2+/2- VLF 2 (2 x 8 ohm) Pins 2+/2- VLF 1/2 (4 ohm)
PHYSICAL	
Physical Rigging	16 x M10 Mounting Points
Dimensions (HxWxD)	21.3 X 52.7 X 31.5in (540 X 1340 X 800mm)
Net Weight*	209 lbs (95 kg)

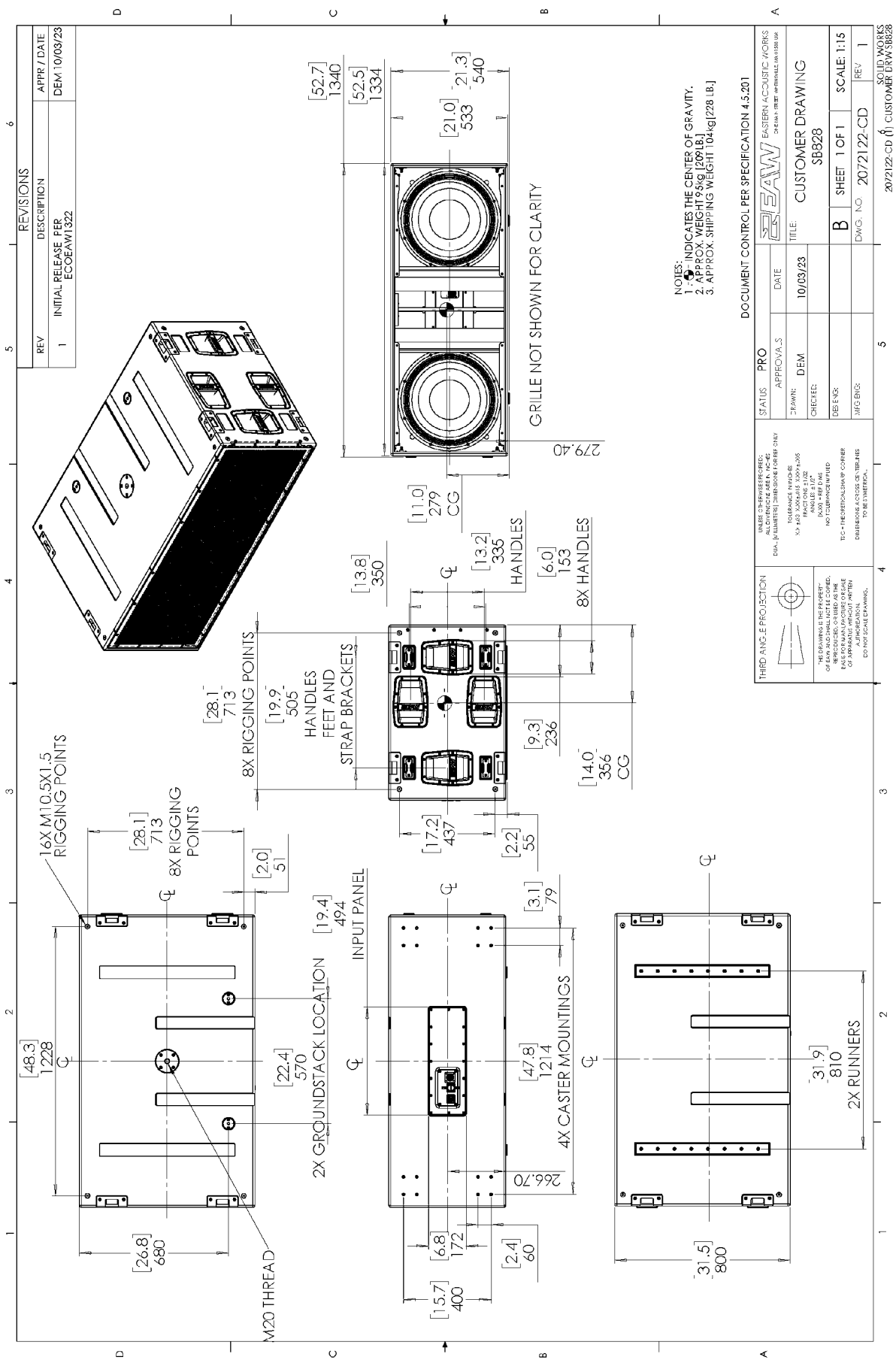
1 Calculated max SPL at 1m with 4:1 (12dB) crest factor pink noise. Specified as whole space (free field) for full range loudspeakers, half space for subwoofers.

2 Operating Range: Range where the processed Frequency Response stays within -10 dB SPL of the power averaged SPL within this range; measured on the geometric axis. Narrow band dips are excepted.

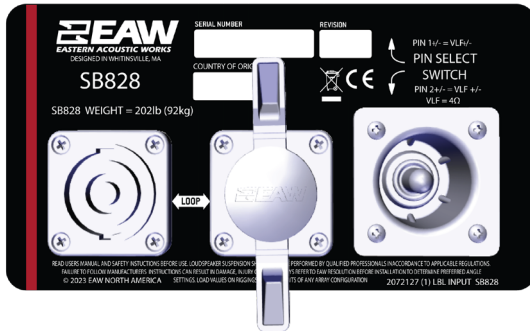
3 Nominal Beamwidth: Design angle for the -6 dB SPL points, referenced to 0 dB SPL as the highest level.

AMPLIFIER CONFIGURATION

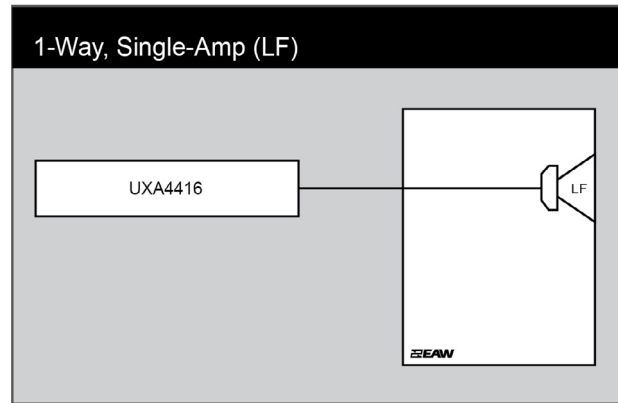
MODEL	PER CHANNEL	PER AMPLIFIER
UXA4416	1	6



INPUT PANEL



SIGNAL



LEGEND

- DSP:** User-supplied Digital Signal Processor.
- HPF:** High Pass Filter for crossover or Recommended High Pass Filter.
- LPF:** Low Pass Filter for crossover.
- LF/MF/HF:** Low Frequency / Mid Frequency / High Frequency.
- AMP:** User-supplied Power Amplifier.
- XVR:** Passive LPFs, HPFs, and EQ integral to the loudspeaker.

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