

# HS 2200

## HIGH-OUTPUT, BASS REFLEX SUBWOOFER DESCRIPTION



The HL 2200 is a compact, high-output, bass reflex subwoofer. The system is equipped with an advanced, hypervented 18" RCF precision woofer. It features massive ceramic magnet and high excursion 4" copper voice coil. The cabinet is designed to achieve tight and maximised output.

The system is able to produce a Max SPL of 136 dB and handles 900 Watts AES.

The loudspeaker enclosure shape is trapezoidal and offers a 22.5° coupling angle each side. Connections to the amplifier are made through a watertight Amphenol multi-pole connector. The grille is in custom perforated steel, epoxy coated, with open-cell fibres and water repellent woven fabric backing. The cabinet is constructed of multi-ply Baltic birch marine plywood and finished in a very resistant, textured, polyurea black paint.

The cabinet is equipped with specific hardware which allows you to install up to 6 HL 2200 modules through their dedicated fly-bar.

In case the application requires to tilt the array downward, a second fly-bar has to be used to suspend the array from both ends.

### MAIN APPLICATIONS

- Outdoor Sound Reinforcement
- High-Level AV Playback
- Flown cluster configurations
- Large speech systems
- Music Sound Reinforcement

### MAIN FEATURES

- 18" high-efficiency 4.0" voice-coil woofer with Inside/Outside Coil Technology
- 136 dB maximum sound pressure level
- Response down to 35 Hz
- System Power rating 900 Watt RMS
- Safe and solid variable array mechanics
- Side and rear array rigging point
- Baltic Birch Plywood enclosure with internal structural metal bracings

### ACOUSTICAL SPECS.

FREQ. RANGE (-10 dB):	30 Hz - 200 Hz
FREQ. RANGE (-3 dB):	35 Hz - 200 Hz
HORIZ. COVERAGE ANGLE (-6 dB):	-
VERTICAL COVERAGE ANGLE (-6 dB):	-
DIRECTIVITY FACTOR; Q:	-
SYSTEM SENSITIVITY:	LF 100 dB 1W @ 1m <sup>(1)</sup>
RATED MAXIMUM SPL:	136 dB, @ 1m
SYSTEM NOMINAL IMPEDANCE:	8 Ohm
SYSTEM INPUT POWER RATING RMS:	LF 900W,
SYSTEM INPUT POWER RATING PEAK:	LF 3600W,
RECOMMENDED AMPLIFIER:	LF 1800W,
HF PROTECTION:	-
CROSSOVER:	-

INPUT POWER RATING: -

SENSITIVITY: -

### PHYSICAL

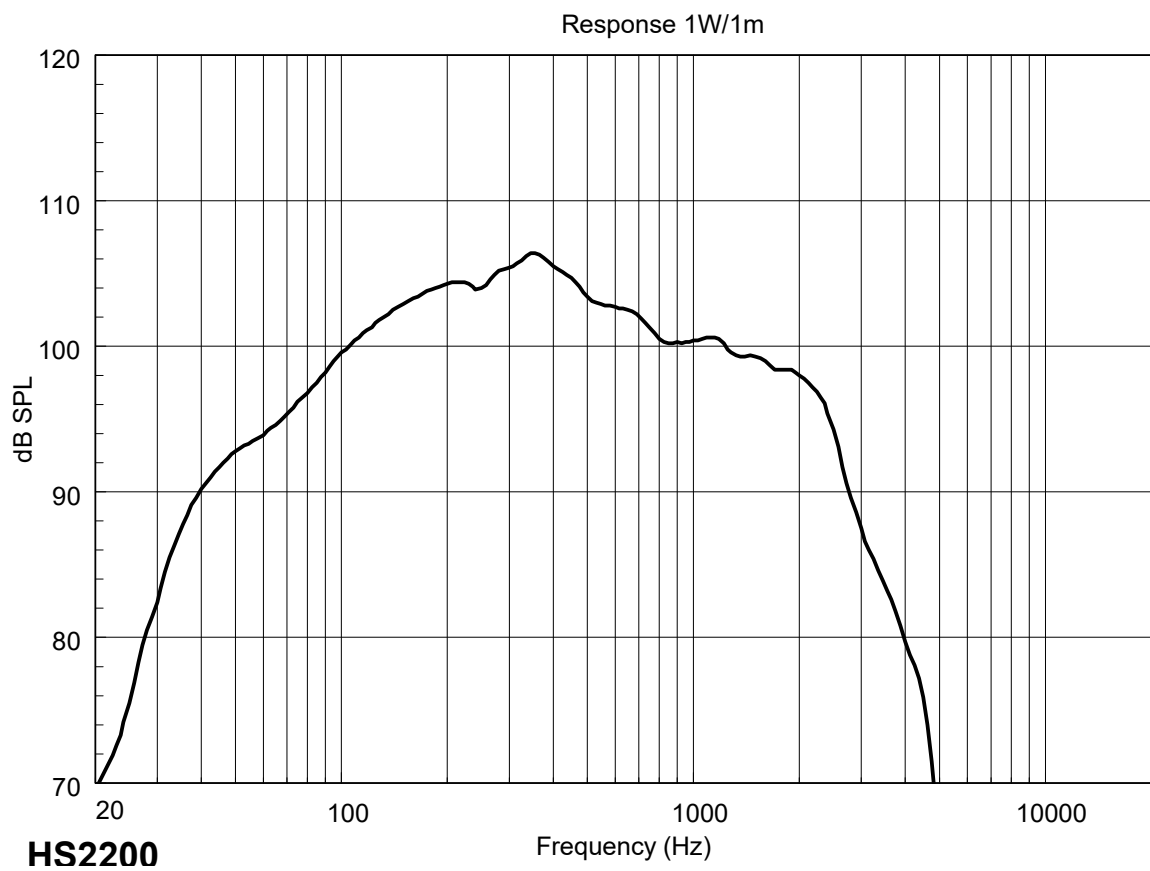
ENCLOSURE:	Trapezoidal, 15 mm birch plywood construction
RIGGING INSERTS:	Side and rear array rigging point
COLOR:	Polyurea Black, weather and scratch resistant paint
GRILLE:	Custom perforated steel grille
INPUT CONNECTORS:	Amphenol eco/mat IP 67
DIMENSIONS (H x W x D):	20.87" x 30.35" x 25.00" 530 x 771 x 635 mm
WEIGHT:	50.8 / 111.99 kg/lbs

### TRANSDUCERS

LOW FREQUENCY:	18" woofer, 4" v.c.
NOMINAL IMPEDANCE:	8 Ohm
INPUT POWER RATING:	900 W AES
SENSITIVITY:	100 dB, 1W @ 1m
HIGH FREQUENCY:	-
NOMINAL IMPEDANCE:	-

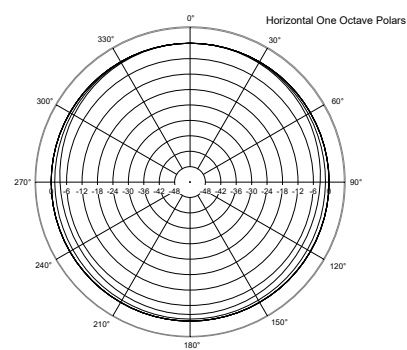
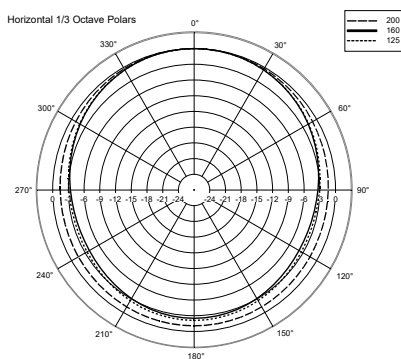
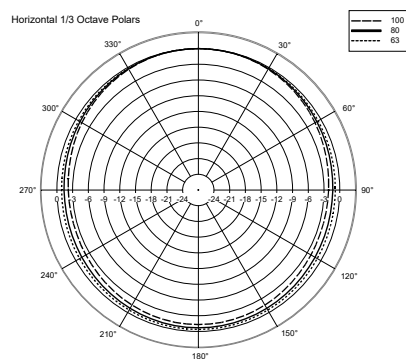


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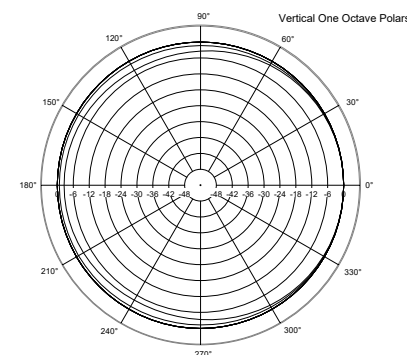
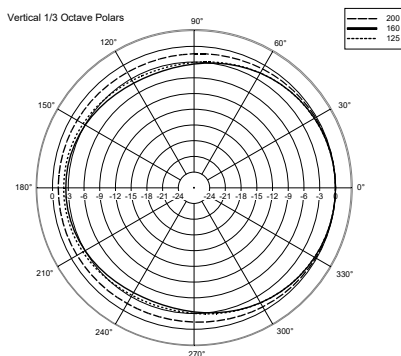
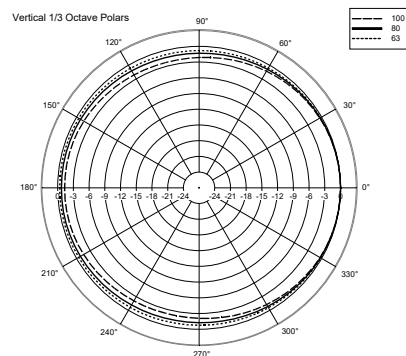


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## HORIZONTAL 1/3 POLAR PLOT



## VERTICAL 1/3 POLAR PLOT

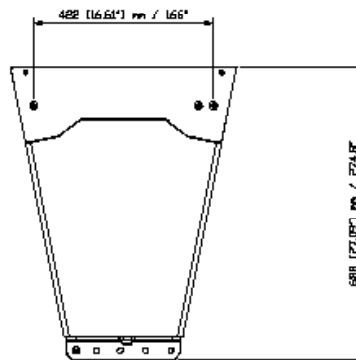
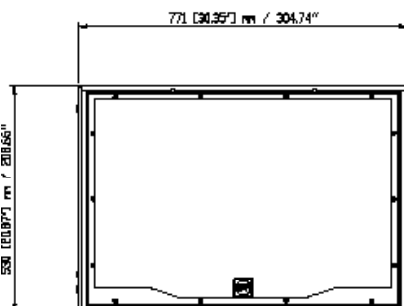
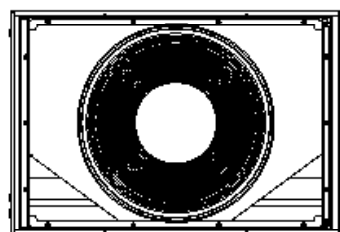
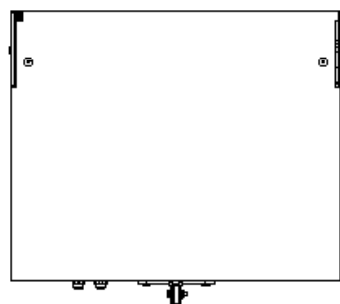
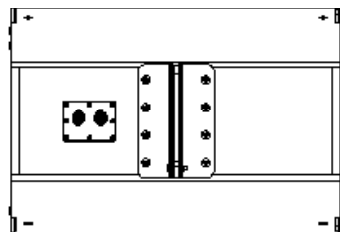


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## PART NUMBERS

13000406

## DIMENSIONS (All data are in mm)



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50.8 KG