

# H.A.R.D. 212 NET SP

## FEATURES

- Very low-profile (35 cm), high output (140dB peak SPL@ 1 m) monitor with two 12" woofers (LF) Neodymium magnet and a (HF) compression driver with reflective folded wave guide loaded ferrofluid cooled 3" titanium diaphragm.
- The proprietary software E.Q.U.I.P., by TCP/IP protocol, allows controls of DSP parameters such as levels, filters, eq's, delay and offers up to 4 presets, 3 of which are adjustable by the user.
- VU on both sides allowing the stage monitor engineers to control the status on stage.
- Patented construction design and reflective folded wave guide.
- Built-in PWM digital amplifier + DSP with high performance (1,500 W)
- Very light weight (26 kg) to facilitate handling
- Extremely linear frequency response and phase response of just  $\pm 45^\circ$  from 500Hz to 16kHz.
- Balanced sound emission with listening distance varying between 0 and 3 metres and very low feedback reaction.
- Cabinet reinforced internally for maximum sturdiness and resonance elimination and fitted with 4 multi-purpose mounting points, which can be used to fit 4 flying rings or 4 wheels.



## APPLICATIONS

- No-nonsense use with live bands.
- TV studios and theatres, thanks to the "ultra-low" profile compatible with camera sightlines and set requirements.
- Near-field stage monitor.

## DESCRIPTION

H.A.R.D. 212 NET SP is a wide-range, two-way self powered loudspeaker system with DSP has a built-in high-powered amplifier, (LF section: 2 by 500 W @ 4  $\Omega$ ; HF section: 250 W @ 8  $\Omega$ ) optimised for floor stage monitoring, made up of a low frequency section using two NdFeB 12" woofers in "reflex" configuration and a high frequency section, using a NdFeB compression driver, 1.41" throat and 3" titanium diaphragm, loaded by a folded wave guide which applies the principles of diffraction and reflection.

This wave guide is an integral part of the cabinet and enables the control, over the entire spectrum reproduced, of the acoustic emission in a clearly defined angle on the horizontal and vertical plane, with very compact dimensions compared to its acoustic performance. This innovation (patented) allows to obtain a useable bandwidth reproduced from 64 Hz to 15.5 kHz at -10 dB, with a linearity within  $\pm 3$ dB from 76 Hz to 14.5kHz.

Placed on the floor, the system has high average wide-range sensitivity, producing 106 dB SPL 1W/1m (low) and 111 dB dB SPL 1W/1m (high). Driven at max. peak power, is able to produce a max. peak of 140 dB SPL at 1 metre.

A DSP processor fit onto the cabinet can be remotely controlled through Ethernet based on TCP/IP protocol by the proprietary software E.Q.U.I.P.. It allows controls of DSP parameters such as levels, shelving filters, eq's, delay and offers up to 4 presets, 3 of which are adjustable by the user. The RJ 45 connector is located on the side of the cabinet for an easy and friendly wiring. The enclosure has an asymmetric design with dual floor or flying installation angle. Built in high quality 15mm baltic birch plywood, the external dimensions are extremely compact, particularly the height from the floor (just 35cm), considerably reducing the visual impact when the enclosure is positioned on stage ready for use. The black outer finish is in high quality scratch-resistant waterproof black paint.

The cabinet has 8 mounting points and two practical integral recessed handles on the cabinet ensuring a positive grip during handling. The front grille which protects the speakers is vibration-free painted steel mesh.

## TECHNICAL SPECIFICATIONS:

<b>FREQUENCY RESPONSE</b>	(-10 dB) ( $\pm 3$ dB)	64 Hz $\div$ 15.5 kHz 76 Hz $\div$ 14.5 kHz
<b>AVERAGE DISPERSION</b>	>5 kHz	35° x 80° (H x V)
<b>INPUT SENSITIVITY</b>	1.58 V	(6.2 dBu)
<b>BUILT-IN PWM AMP POWER (W RMS)</b>	Low High	2000 @ 4 $\Omega$ 500 @ 4 $\Omega$
<b>MAX SPL @ 1 m (calculated)</b>	Peak	140
<b>CONNECTORS</b>	Audio Ethernet Mains	1 XLR + 1 Link Out 1 EtherCon (RJ 45 Socket) 1 PowerCon + 1 Link Out

### LOUDSPEAKERS AND LOADING

Low  
High

2 x 12" NdFeb High pass Vented box  
1 x 1.4" Exit (3" diaphragm) NdFeb Folded Wave Guide

	<b>Single unit</b>	<b>Shipping (1 unit)</b>
<b>WEIGHT</b>	27.5 kg (60.6 lb)	34 kg (75.0 lb)

### DIMENSIONS

Height	35 cm (13.8")	40 cm (15.7")
Width	70 cm (27.6")	80 cm (31.5")
Depth	52 cm (20.5")	60 cm (23.6")

## STAGE MONITOR SERIES