

# HDL 18-AS

## ACTIVE SUBWOOFER



### MAIN APPLICATIONS

- Seamless integration with HDL20-A loudspeakers
- Live Sound
- Rental
- Portable PA, clubs, ballrooms, live theatre, houses of worship, theme parks
- Music playback and sound reinforcement in small and mid-size venues
- Corporate A/V professionals and sound system hire companies

### MAIN FEATURES

- High current 1000 Watt digital amplification
- 135 dB max spl
- 18" High power woofer, 4" voice coil
- Xover selector, phase switch and high pass outputs
- Electronic equalization, soft limiter and protection
- Baltic birch compact enclosure and 2 side handles and wheels for easy transportation

### DESCRIPTION

The HDL18-AS is a compact high power line array subwoofer designed to compliment the HDL 20-A speaker system. It is the ideal flyable bass complement for the HDL20-A array system. The bass reflex design guarantees a deep, linear power response while the 4" voice coil vented design woofer offers the minimum of power compression.

The HDL18-AS's transducer feature RCF Precision "Inside/ Outside" voice coils in order to assure long term reliability and vastly reduced power compression. The HDL18-AS features a 18" inch woofer that, with a 4" inside-outside voice coil and a powerful magnetic structure, guarantees a fast and accurate sub-bass frequency range, taking advantage of RCF's superior moulding, assembly technologies and a wealth of professional knowledge and experience dedicated to achieving extremely high standards.

The system is powered from a 1000 Watt Digital Amplifier, Class-D technology, that packs huge performance operating with high efficiency into a lightweight solution. The amplifier panel is integrated to the rear central flyware. HDL18-AS amplifiers presents SMPS power supply section in order to produce maximum output and minimum transportation weight. D Line amplifiers deliver ultra fast attack, realistic transient response and impressive audio performance. The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation.

The integrated DSP manages equalisation, soft limiter, compressor and user adjustable settings as High pass, Low pass and phase revers.

An easy to reach volume knob on the back allows to set the overall volume of the speaker according to its application.

3 status LEDs – Power / Signal / Status are provided for monitoring the system

The HDL18-AS features strong Baltic birch construction, high quality mechanics and superior acoustic design delivering a powerful and punchy deep bass for any application. The system provides integrated mechanics compatible with the HDL 20-A array module.

The HDL18-AS is equipped with two side aluminium handle with rubber handgrip for greater portability.

### ACOUSTICAL SPECIFICATIONS

Frequency response:	30 Hz - 140 Hz
Max SPL:	135 dB
Horizontal coverage angle:	-
Vertical coverage angle:	-
Compression driver:	-
Midrange:	-
Woofer:	18" neo, 4" voice coil

### INPUT SECTION

Input signal (Impedance):	XLR
Input/Output connector:	XLR
Input sensitivity:	-2 dBu / +4 dBu

### PROCESSOR SECTION

Crossover frequencies:	-
Protections:	Themel - RMS
Sensitivity control:	yes
Limiter:	soft limiter
High pass:	yes
Controls:	volume, EQ shape, xover

### AMPLIFIER

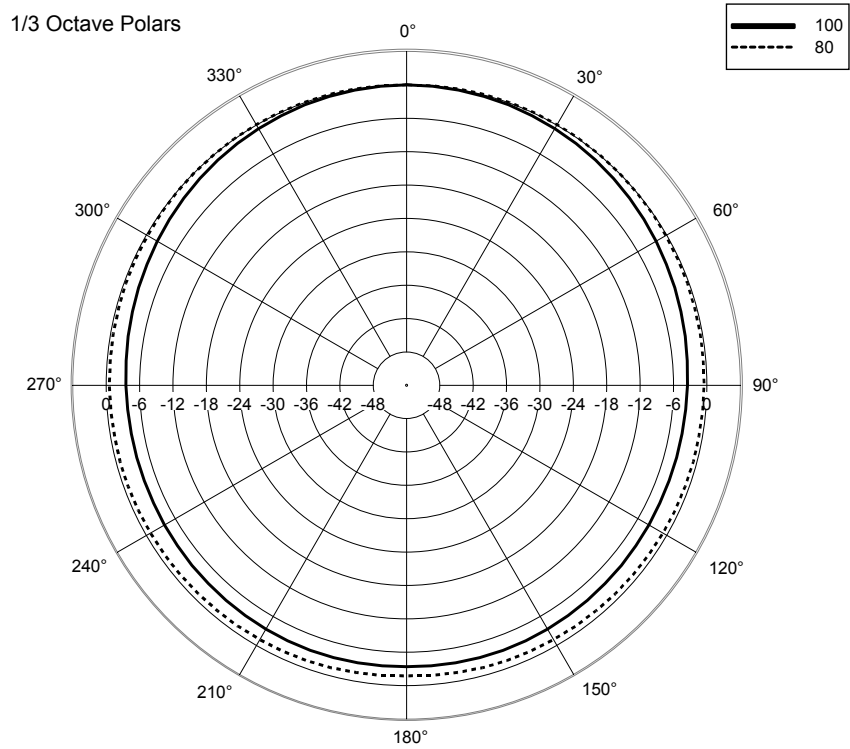
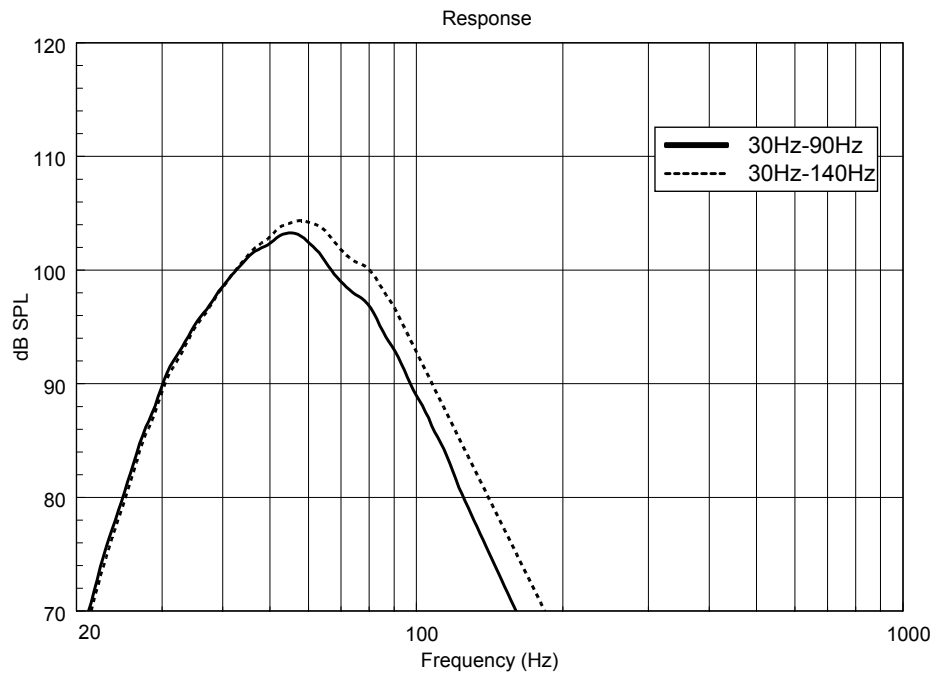
Power supply:	1000 Watt
High frequencies:	-
Mid frequencies:	-
Low frequencies:	switching / 1000 Watt
Cooling:	convection/forced
Connection:	VDE connector IN

### PHYSICAL

Height:	511.5 mm (20.1")
Width:	700 mm (27.5")
Depth:	620 mm (24.4")
Weight:	48.4 kg (106.7 lbs)
Cabinet:	baltic birch
Hardware:	Rigging flyware
Handles:	2 side
Pole mount cap	yes
Colour:	Black



# HDL 18-AS



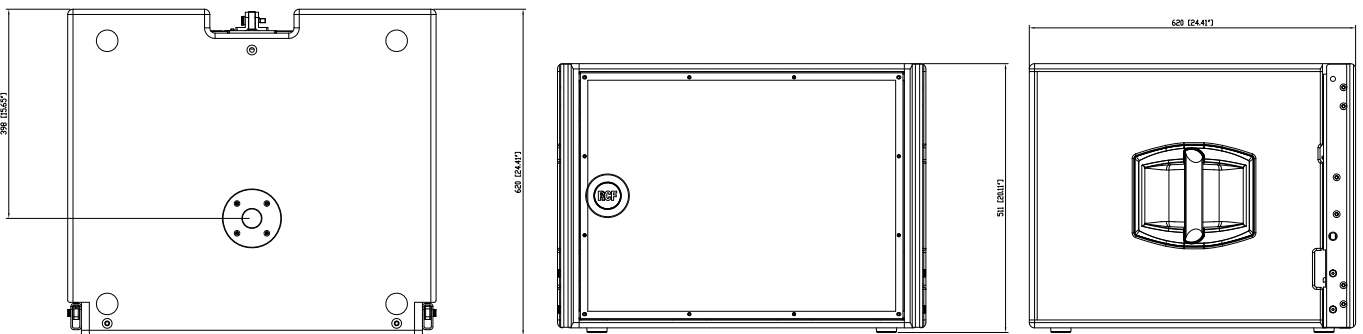
# HDL 18-AS

## PART NUMBERS

13040009 - 230V

13040010 - 115V

## DIMENSIONS (All data are in mm)



## ACCESSORIES

FLY BAR HDL 20-18	Fly bar for HDL 20-A, max. 16 modules HDL 20-A
FLY BAR HDL 20 LIGHT	Fly bar for HDL 20-A, max. 4 modules
LINK BAR HDL20-HDL18	Link bar for HDL 20-A and HDL 18-AS
AC 4 PIN HDL20 FRONT	4 quick lock pins kit for HDL 20-A array system - front
AC 4 PIN HDL20 BACK	4 quick lock pins kit for HDL 20-A array system - back
AC 4 PIN HDL20 FRAME	4 quick lock pins kit for HDL 20-A array system
FLY BAR PICKUP HDL20	To be added to the fly bar accessory in case the pick up is made with 2 motors.
KART HDL20	The heavy duty RCF HDL20 Kart can be use to easily transport up to 4 HDL 20-A cabinets