

HDL 20-A

ACTIVE LINE ARRAY MODULE

KEY FEATURE 01

1400 W peak / 700 W RMS 2-way digital Class-D amplification

KEY FEATURE 02

135 dB max SPL with 100° × 15° controlled directivity

KEY FEATURE 03

Two 10" woofers and one 3" voice-coil compression driver



Compact active line array module for professional touring and installed sound reinforcement.

Product Positioning

Compact touring solution with integrated amplification and array-ready mechanics

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POSITIONING

HDL 20-A is positioned as a compact active line array module for live sound reinforcement and reliable installed situations. It combines integrated amplification, selectable DSP presets, and fast rigging in a PP composite enclosure.

APPLICATION VALUE

Integrated processing includes cluster and HF projection correction, plus presets for indoor and high-curving situations.

Compact size helps reduce truck space and speeds up setup with fewer external components. The official product description identifies HDL 18-AS as the ideal flyable bass complement.



CORE VALUE

High output from a ready-to-use self-powered system.

Tour-grade safe and solid variable mechanics.

Composite enclosure structurally wooden reinforced.

Key Performance

Core performance indicators from the latest official English datasheet

Maximum SPL

135 dB

Frequency Response

55 Hz – 20 kHz

Amplifier Power

**1400 W Peak
700 W RMS**

Coverage

100° × 15°

Weight

30.2 kg

Connections

**XLR I/O
Powercon IN/OUT**

Performance summary: active line-array architecture, controlled horizontal and vertical coverage, and DSP-managed operation for fast deployment in professional sound reinforcement.



Acoustic & Enclosure Design

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ACOUSTIC HIGHLIGHTS

Two 10" woofers provide efficient and controlled bass reproduction.

Large-format 3" voice-coil compression driver supports an 800 Hz crossover for strong vocal clarity and dispersion control.

DSP-controlled input section with selectable Cluster, HF, High Curving, and Indoor presets.



ENCLOSURE & PROTECTION

Cabinet material: PP Composite, structurally wooden reinforced.

Protective grille: Steel. Handles: 2 side, 2 back.

Cooling: Convection. Protections: Thermal, RMS. Limiter: Soft Limiter.

Technical Specifications

Editable table based on the latest official English datasheet

Parameter	Official Value
Product Model	HDL 20-A
Type	ACTIVE LINE ARRAY MODULE
Drivers	1 x 2.0" compression driver, 3.0" voice coil; 2 x 10" woofers, 2.5" voice coil
Frequency Response	55 Hz - 20000 Hz
Rated Power	700 W RMS
Peak Power	1400 W Peak
Sensitivity	Not specified in official materials
Maximum SPL	135 dB
Nominal Impedance	Not specified in official materials
Coverage / Dispersion	100° horizontal × 15° vertical
Enclosure	PP Composite, structurally wooden reinforced
Finish	Black
Protective Grille	Steel
Connectors	Input: XLR; Output: XLR; Power: Powercon IN/OUT
Dimensions	705 × 294 × 445 mm (W × H × D)
Weight	30.2 kg
Supplied Fittings	Rigging flyware
Recommended Amplifier	Not specified in official materials

System Application / Rigging



OFFICIAL RIGGING INFORMATION

Tour-grade safe and solid variable mechanics support fast and easy setup.

FL-B HDL 20-18 suspending bar: to suspend up to 16 HDL 20-A modules.

FL-B LGT HDL 20 suspending bar: light flybar solution to suspend up to 4 HDL 20-A modules.

ACCESSORY HIGHLIGHTS

AZM-BR 2X: 2-piece azimuth bracket for horizontal array control.

FL-B PK HDL 20-18 pickup accessory is listed in the official accessory set.

Quick lock pins and stacking kit references are listed in the official datasheet accessories page.

Deployment Options

Deployment logic and system usage based on official materials

Flown Main Array

Use FL-B HDL 20-18 when a larger suspended HDL 20-A array is required.
Official capacity: up to 16 modules.



Compact Flybar System

Use FL-B LGT HDL 20 for lighter deployments. Official capacity: up to 4 modules, pins included.



Horizontal Array Control

AZM-BR 2X is used to add azimuth control for horizontal array configuration.



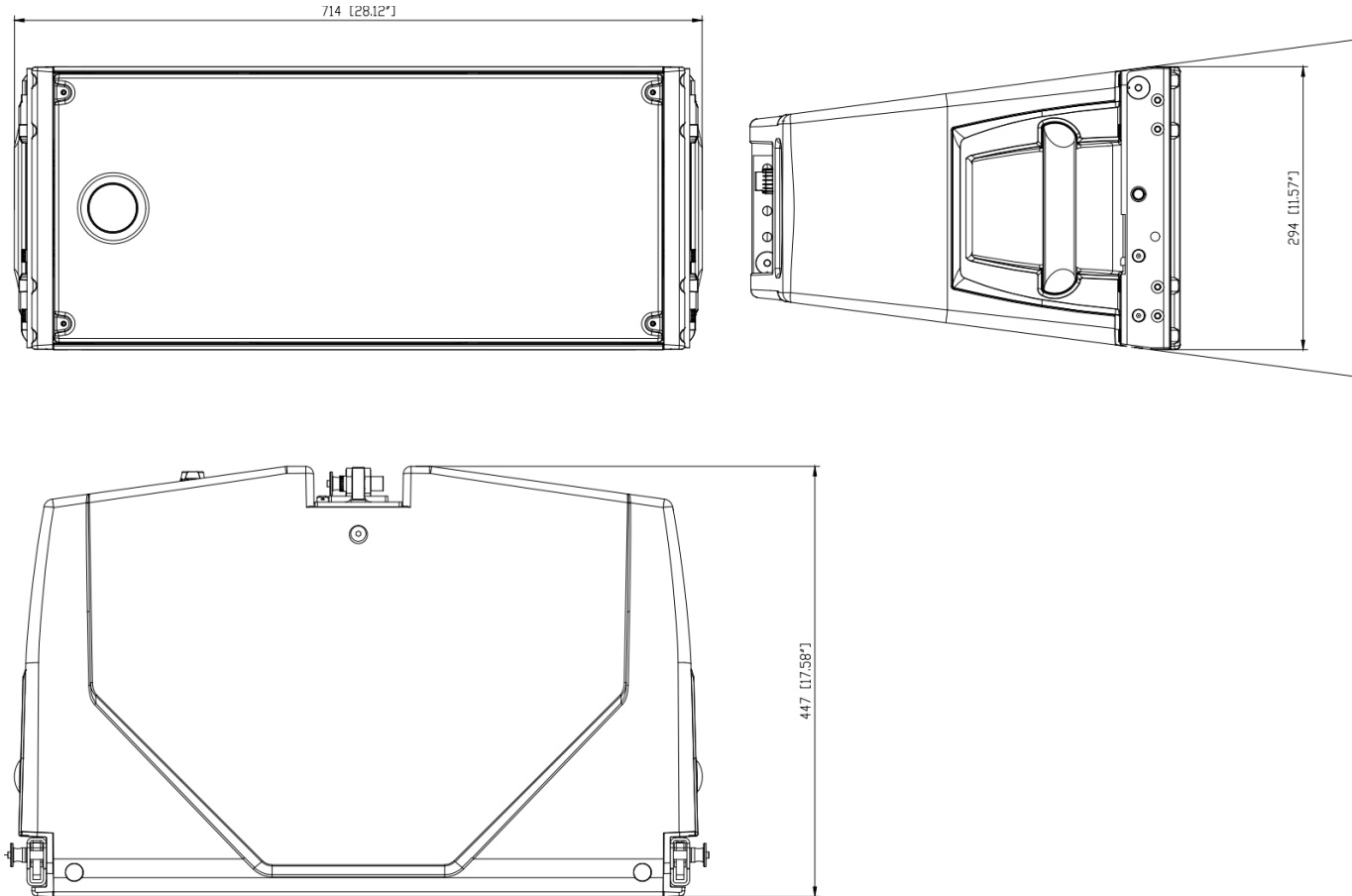
Official downloads also include GLL files, 2D line art, and 3D line art for planning and deployment workflows.

Technical Drawing / Dimensions

Official line art — dimensions must remain clear and readable

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Width

705 mm

Height

294 mm

Depth

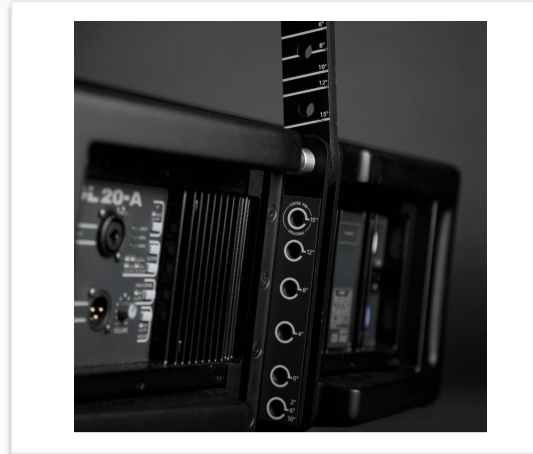
445 mm

This page is based on the official line art PDF. The dimensions shown here match the latest product datasheet and line art.

Connections & Hardware Details

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CONNECTIONS

Input signal: bal/unbal.
Input connector: XLR; output connector: XLR.
Input sensitivity: -2 dBu / +4 dBu.
Power connections: Powercon IN/OUT.

HARDWARE DETAILS

Rear panel provides DSP control section with selectable presets and volume control.
Integrated mechanics with angle references support array setup.
Side and back handles support transport and handling.



Accessories

Official accessories and compatibility references

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AZM-BR 2X

Azimut bracket

2 pieces. To be added for horizontal array control.



FL-B HDL 20-18

Suspending bar

To suspend up to 16 HDL 20-A modules. Strong steel construction.



FL-B LGT HDL 20

Light suspending bar

Flybar + pole mount + 1x pickup tab with shackle + stacking bar. Pins included. Max number of speaker: 4.



FL-B LGT HDL 20 KIT VIEW

Accessory set view

Official product page also shows the included / associated parts set for the light suspending bar.

Application Scenarios

Illustrative, non-case-specific scenarios based on official usage descriptions



Indoor Touring

Suitable for compact to medium indoor touring systems where line-array performance and fast setup are required.



Outdoor Events

Designed for live sound reinforcement with high output and controlled directivity in portable array deployments.



Fixed Installation

Reliable installed situations are explicitly mentioned in the official product description.



Subwoofer Integration

Official product description identifies HDL 18-AS as the ideal flyable bass complement.

HDL 20-A

ACTIVE LINE ARRAY MODULE

Max SPL

135 dB

Freq. Response

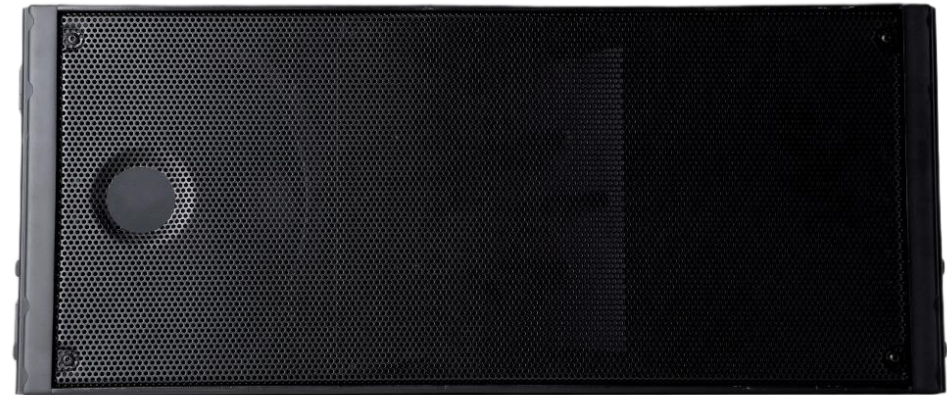
55 Hz – 20 kHz

Amplifier

1400 W Peak

Weight

30.2 kg



Summary: HDL 20-A combines compact active amplification, line-array directivity, and integrated rigging hardware into a deployment-friendly professional loudspeaker module. All specifications on this page follow the latest official English datasheet.