

SUB 8004-AS

ACTIVE HIGH POWER SUBWOOFER

KEY FEATURE 01

2500 W peak power / 1250 W RMS Class-D amplification

KEY FEATURE 02

136 dB max SPL with 30 Hz – 120 Hz frequency response

KEY FEATURE 03

18" woofer, 4.0" voice coil vented woofer with DSP input section



Officially referenced portable / touring active subwoofer with DSP control and multiple system deployment options.

Product Positioning

Positioning, application use, and core value based on official product materials

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POSITIONING

SUB 8004-AS is positioned as a compact but high-output active subwoofer for professional portable and touring sound reinforcement. Official materials emphasize strong low-frequency delivery, easy deployment, selectable processing presets, and compatibility with multiple RCF top-cabinet system combinations.

APPLICATION SCENARIOS

Portable PA and rental inventory requiring serious low-frequency extension.

Stacked sub + top deployments with NXL23-A, NXL24-A, HDL 10-A, and HDL 20-A combinations.

Professional live sound systems needing built-in DSP control and quick deployment.



CORE VALUE

High output relative to cabinet size.

Integrated controls for crossover, phase, deep / punch EQ, delay, and cardioid settings.

Tour-grade birch cabinet with ergonomic hardware and pole-mount flexibility.

Key Performance

Selected official performance data cards

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Max SPL

136 dB

Freq. Response

30 Hz – 120 Hz

Amplifier

**2500 W Peak
1250 W RMS**

Transducer

**1 × 18" woofer
4.0" voice coil**

Cooling

Convection

Weight

56 kg

The official feature list also highlights selectable presets, delay control, deep / punch processing, cardioid mode, and compatibility with several RCF top systems.



Acoustic & Enclosure Design

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ACOUSTIC PLATFORM

18-inch hyperventured woofer with 4.0-inch inside / outside voice coil. Designed to deliver a serious amount of low frequency in demanding professional applications. Digital amplifier module and DSP input section support fast, practical system tuning.

ENCLOSURE & PROTECTION

Cabinet material: Baltic birch plywood with textured black finish. Powder-coated steel front grille with internal transparent-to-sound foam backing. Stackable enclosure, ergonomic side handles, and top / side pole mount options for flexible deployment.

Technical Specifications

Editable parameter table recreated from latest official English datasheet

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Parameter	Official Value
Product Model	SUB 8004-AS
Type	ACTIVE HIGH POWER SUBWOOFER
Drivers	1 × 18", 4.0" v.c woofer
Frequency Response	30 Hz - 120 Hz
Rated Power	1250 W RMS
Peak Power	2500 W Peak
Sensitivity	Not specified in official materials
Maximum SPL	136 dB
Nominal Impedance	Not specified in official materials
Coverage / Dispersion	Not specified in official materials
Enclosure	Baltic birch plywood
Finish	Black
Protective Grille	Steel with clothing
Connectors	Signal: XLR input and XLR output; Power: Powercon IN/OUT
Dimensions	700 × 558 × 700 mm (H × W × D)
Weight	56 kg
Supplied Fittings	M20 thread pole mount / cap; provision for four wheel mounting on rear panel
Recommended Amplifier	Not specified in official materials (self-powered active subwoofer)

System Application / Rigging



OFFICIAL RIGGING / MOUNTING & TRANSPORT ACCESSORIES

PM-KIT M20 adjustable pole mount: max. load 40 kg / 88 lbs; height adjustment 725 mm to 1135 mm.

AC PMX speaker pole mount is listed as a compatible rigging / mounting accessory. STCK-KIT SUB 8006 provides fly bar locking compatibility for HDL 10 to SUB 8004-AS.



SYSTEM APPLICATION NOTES

Multiple configurations are officially referenced with HDL 10-A and HDL 20-A.

Compatible stacking references are listed for NXL23-A and NXL24-A.

Wheel kit and cover accessories support practical transport and protection workflows.

Deployment Options

Practical deployment logic explained with official images and specifications

Pole-Mounted Top

Use the M20 thread pole mount / cap with PM-KIT M20 or AC PMX to support compatible top speakers above the subwoofer.



Ground-Stack Deployment

Stackable cabinet geometry, ergonomic handles, and compact footprint support fast floor-stack deployment in mobile systems.



Transport & Protection

Rear-panel provision for wheel mounting plus optional protection cover simplify rental and touring logistics.



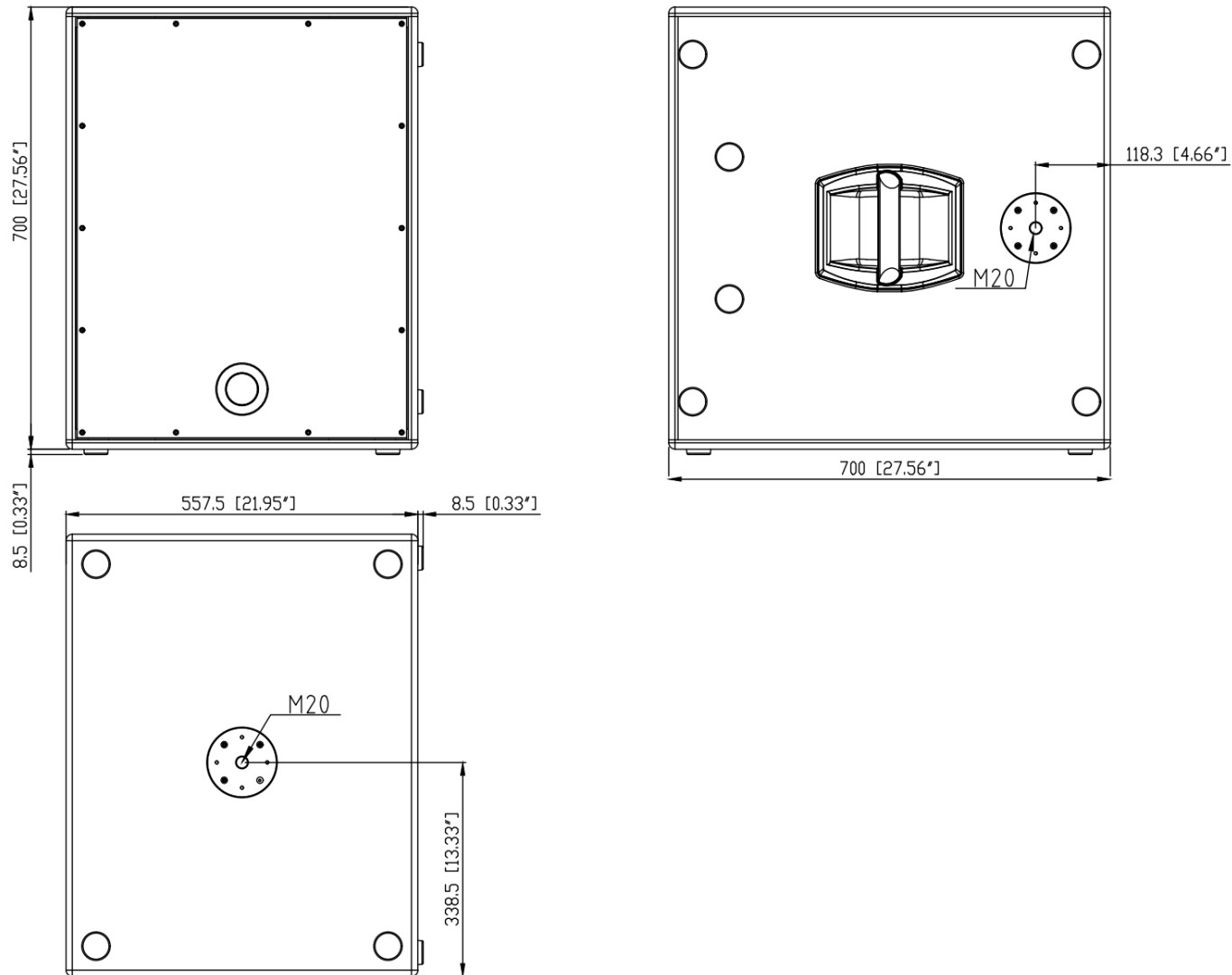
Recommended amplifier is not separately listed because SUB 8004-AS is a self-powered active subwoofer.

Technical Drawing / Dimensions

Official line art / 2D drawing

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Height

700 mm

Width

558 mm

Depth

700 mm

The drawing shows front, top, and side views together with main dimensional references and M20 mount detail.

Connections & Hardware Details



SIGNAL I/O & DSP CONTROL

Input signal: bal/unbal
Input connectors: XLR
Output connectors: XLR
Input sensitivity: -2 dBu / +4 dBu
Controls: Xover, Phase switch, Deep/Punch, Output Delay
Settings, Cardioid



POWER SECTION

Total power: 2500 W Peak, 1250 W RMS
Cooling: Convection
Power connections: Powercon IN/OUT
Protections: Thermal, RMS | Limiter: Fast Limiter

Accessories

Compatible accessories listed in official materials

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PM-KIT M20

M20 pole mount

Adjustable pole for subwoofer. Max load 40 kg / 88 lbs. Height adjustment from 725 mm to 1135 mm.



AC PMX

Speaker pole mount

Strong steel construction. Adjustable speaker pole mount listed as compatible accessory.



STCK-KIT SUB 8006

Accessory to lock fly bar

Accessory to lock FLY BAR HDL 10 to the SUB 8004-AS. M20 fixing point. Two pieces. Pins included.



CVR SUB 8004

Protection cover

Heavy-duty protection cover with padded construction and front / rear zip + Velcro opening.



WH PRO 4X

Swivel wheels kit

Transportation accessory. Zinc plated swivel housing with plate fitting and double ball race.

Weight		55 kg / 121.45 lbs
ACCESSORIES		
SING	POLE MOUNT KITS	
	10360022 AC PMX	Black EAN: 802403000000
SING	STANDING KITS	
	10360067 PM-KIT M20	Black EAN: 802403000000
SING	COVERS	
	10360088 STCK-KIT SUB 8006	Black EAN: 802403000000
SING	WHEELS	
	10360089 CVR SUB 8004	Black EAN: 802403000000
SING	WHEELS	
	10360089 WH PRO 4X	Black EAN: 802403000000
SING	CABLES KIT	
	10360090 AC 3M 3F	Black EAN: 802403000000

AC XLR 3M3F

Cable kit

Compatible XLR connectors cable kit listed in official accessory table.

Application Scenarios

Scenario guidance only — no unverified real-world case claims used

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Portable PA

Suitable for mobile sound systems requiring high SPL and low-frequency extension from a compact active enclosure.



Rental Inventory

The official description explicitly mentions rugged construction suited to AV rental inventories.



Stacked Systems

Can be deployed in straightforward ground-stack arrangements or in sub + top system combinations.



Network-Free Quick Setup

Onboard DSP controls support direct setup without external processing for many portable use cases.

This page intentionally uses official product photography plus editable scenario summaries instead of unverified installation photos.

SUB 8004-AS

ACTIVE HIGH POWER SUBWOOFER

Max SPL

136 dB

Power

2500 W Peak

Frequency

30–120 Hz

Weight

56 kg



SUB 8004-AS combines powerful 18-inch low-frequency output, practical onboard DSP control, and a rugged birch plywood touring cabinet in a compact self-powered format. This editable PPT page set is grounded in the official product page, official image gallery, official English datasheet, official line-art drawing, and official accessory pages.