

B 18A

PRODUCT FEATURES

- Adaptive Port Design for low distortion and airflow noise
- 1600 W self-powered Subwoofer with DSP
- Up to 138 dB max SPL
- Cardioid and End-Fire configuration
- LCD Display, with digital encoder and push button
- Plywood cabinet
- Octopus Feet for slip resistance and stability
- Flexibility - smaller, lighter, scalable
- Road-Ready, allows optimal packing and easy transport

SPECIFICATIONS

ACOUSTICAL	
Frequency range (-3 dB) ¹	34 Hz - 210 Hz
Frequency range (-10 dB) ¹	28 Hz - 260 Hz
Coverage angles (-6 dB) [H x V]	Omnidirectional
Continuous Maximum SPL ²	138 dB
System type	1-way self-powered system
Transducers	1 x 18" driver (4" voice coil)
Enclosure type	Vented box
AMPLIFICATION	
Type	Single channel, class-D with SMPS
Total power ³	1600 W
Protection	Short circuit, overheating, overcurrent
Connectors	Input signal: balanced XLR 3-pin female Link output: balanced XLR 3-pin male Power input: powerCON® 20A Power link output: powerCON® 20A
Wiring	Pin layout XLR: Pin 2: Signal+; Pin 3: Signal-; Pin 1: Shield Pin layout Pin layout powerCON®: Pin N: Neutral; Pin L: Conductor; Pin E: Earth, Ground
Input sensitivity	+14 dBu (3.88 V), +4 dBu (1.23 V), 0 dBu (0.775 V), 0 dBV (1 V), -10 dBV (0.316 V)
DSP	48 kHz/24 bit with extended dynamics Processing latency: 1.1 ms
Processing	Factory and user presets, EQ, delay, directivity control, phase inversion, input sensitivity
User controls	Power: ON/OFF switch DSP: display with digital encoder LCD: 4 x 20 alphanumeric

¹ Measured with GENERAL preset with 6th-order Butterworth low-pass filter applied at 200 Hz

² Measured with 12 dB Crest factor Pink Noise, half space

³ Short term rms output power according to CEA2006

All product specifications are subject to change without prior notice.



PRODUCT DESCRIPTION

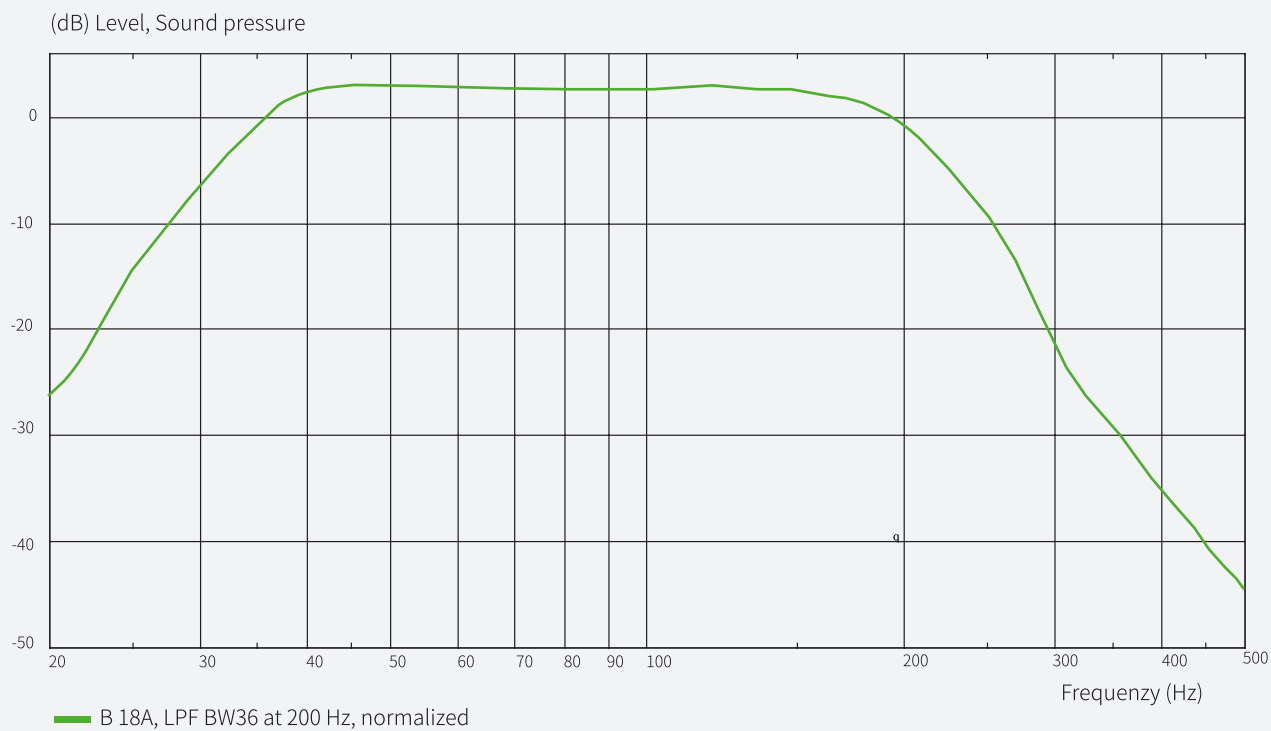
The B 18A subwoofer comprises a single 18" driver mounted in a vented box, with a sophisticated adaptive port that optimizes the airflow and improves its response. This technology, developed through exhaustive research, enables a lower cut-off frequency while having smaller volume.

The B 18A is driven by a 1600 W (peak) class-D amplifier. Integrated DSP presets allow loading preset system setups that are optimally matched to the SE AUDIO-TECHNIK speaker systems. This makes it fast and easy to set up and optimally adjust the entire system.

The directivity can be changed effortlessly and in a flash from normal to cardioid or end-fire configuration via the large display and the rotary-push encoder. Parameters such as EQ, delay, sensitivity and phase can be adjusted and saved in your own user presets.

MECHANICAL	
Product Dimensions [H x W x D] (Including rigging)	572 x 542 x 797 mm
Net weight	47.7 kg
Packaging dimensions [H x W x D]	701 x 615 x 890 mm
Total weight	55.7 kg
Cabinet	15 - 18 mm plywood
Cabinet finishing	Black or white polyurea coating
Grille	Powder coated perforated steel
Hardware	2 SE AUDIOTECHNIK® ergonomic handles 4 rubber feet and top slots for stacking M20 pole thread
Stacking	Two-point SE AUDIOTECHNIK® stacking system
ACCESSORIES	
Stacking frame for M-F3A PRO	B 18 SFI M
Stacking frame for M-F3A PRO MAX	B 18 SFI MAX
Pole bar	SPS 20
Transport dolly (1 unit)	B 18 TD
Transport Kart (2 units)	B 18 TK 12
Transport cover	B 18 TC
Flight case	B 18 FC
Amplifier rain cover	P801DL RC

FREQUENCY RESPONSE CURVE



PRODUCT DRAWINGS

