



Spec Sheet

DVA S30 N

Active Bassreflex-Horn Subwoofer
2x18", 3000W **digipro G2**



Applications

- Sound reinforcement for large size venues
- Installations in stadiums and other large PA applications
- Wherever you need a muscular, ultra low-frequency punch

Features

- Active Bassreflex-Horn Subwoofer
- 3000W Class-D Digipro G2 amplifier
- Network-ready with an Integrated RDNet port
- 56bit DSP - 24bit\48KHz A/D conv.
- Crossover frequencies ranging from 75 Hz to 120 Hz (steps of 5 Hz)
- Switched Mode Power Supply with PFC (90V-240V)
- Internal delay up to 4.5 ms (steps of 0.5 ms)
- Rigging points on top for DRK10/20 frames

Description

Featuring a dual 18" subwoofer pairing in a bassreflex-horn housing, the DVA S30 N packs a muscular, ultra lowfrequency punch. It delivers very powerful performance indeed with a range extending down to the lowest frequencies.

This sub-bass powerhouse is the perfect addition to large PAs and an excellent complement to DVA series mid-/high-range units in stacked arrays.

This sophisticated hybrid design brings together the benefits of bassreflex and horn systems in a compact housing engineered to render low frequencies with high SPL.

The two baffle boards are arrayed in the form of a V. They guide the central bass reflex

channel sound energy into the horn port. This funneling action is smooth and uniform, greatly increasing its range.

The high-quality multiplex housing is covered in robust black textured lacquer and equipped with eight grips. On the back is a transport dolly that removes easily via quick-release pins to keep the wheels from rattling.

The woofers feature a 4" voice coil, a fiberglass-reinforced diaphragm, an exceedingly robust triple-roll surround, and a geometrically optimized cone. All this culminates in very high peak-to-peak excursion capabilities.

The DVA S30 N is driven by two digipro®G2 digital power amps with up to 3000W output. Digipro®G2 technology is so very efficient that it does not require fans. With no moving parts to tend to, these amps are altogether maintenance-free. It is also equipped with PFC switched-mode power supplies, immune from line voltage fluctuations.

They feature a premium-quality DSP boasting excellent audio specs with variable crossover frequencies, precise limiter functions and adjustable delay settings for perfect time alignment. A special preset makes it easy to set up cardioid systems with enhanced directivity. The DSP also provides an X-Over output for connecting satellites.

Factory-equipped with an RDnet port, DVA S30 N is ready for integration into elaborate, remotely controlled and monitored DVA systems via RJ45 inputs and outputs that connect the units to the RDnet hub.

Optional dust covers protect it on the go. With 16 threaded bushings on its rear panels, the S30 N is ready to accept Blue Wheels.

DVA S30 N

Technical Specifications

System Specifications

| | | |
|--------------------|---------|---|
| Speaker Type | | Active Bassreflex-Horn Subwoofer |
| Max SPL | | 141 dB |
| Frequency Response | (-3 dB) | 30Hz - 120 Hz |
| Directivity | | Omnidirectional, Cardioid Option with DSP setup |
| Drivers | | 2x 18" woofer - 4" voice coil |
| Inputs | | 1x XLR (Audio Input) 1x RJ45 (RDNet input) 1x USB type "B" port (service data) |
| Input Sensitivity | Nominal | 0 dBu |
| Controls | | 1x Input Sensitivity rotary 1x Xover Frequency rotary switch (10 presets) 1x Phase switch (0° - 180°) |
| Outputs | | 1x XLR (Audio Link Out) 1x XLR (Xover Out) 1x RJ45 (RDNet output) |

Amplifier

| | | |
|----------------------|--|---------------------------------------|
| Amplifier technology | | Digipro G2® |
| Amp Class | | Class-D |
| RMS Power | | 3000 W |
| Power supply | | 3000W SMPS full-range with active PFC |
| Cooling | | Convection, fan-free |
| Power Connections | | Powercon® input (blue) |

Processor

| | | |
|--------------------|------------------|--|
| Audio Processing | DSP A/D conv. | 56bit 24 bit/96 kHz |
| System Presets | | X-Over, Delay |
| Phase | | 0°, 180° |
| Limiter | | RMS, Peak, Thermal |
| Delay option | | 0 - 4.5 ms, internal |
| X-over frequencies | LF-HF | 75-120 Hz (steps of 5 Hz) |
| LF-Xover out slope | | 24 dB/Octave |
| Remote control | | RDNet control (read/write data in real time) |

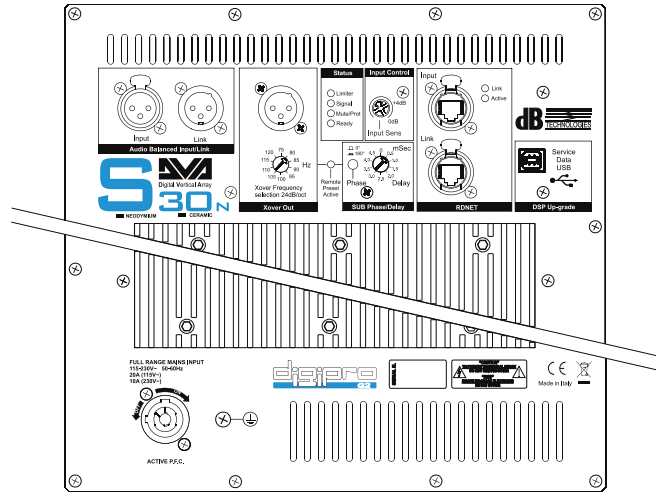
Mechanics

| | | |
|------------------------|-----------------------|--|
| Enclosure | Box Housing Design | Multiplex plywood Rectangular |
| Handles | | 4x per side |
| Rigging Points | | 2x Pick Points on top to fix DRK10/20 rigging frames |
| Accessories | | Dolly, Wheels 100 mm, Dust Cover, Rain Cover |
| Dimensions (W x H x D) | | 1100 x 580 x 720 mm (44 x 23.2 x 28.8 in) |
| Weight | | 83 kg (182.98 lbs.) |

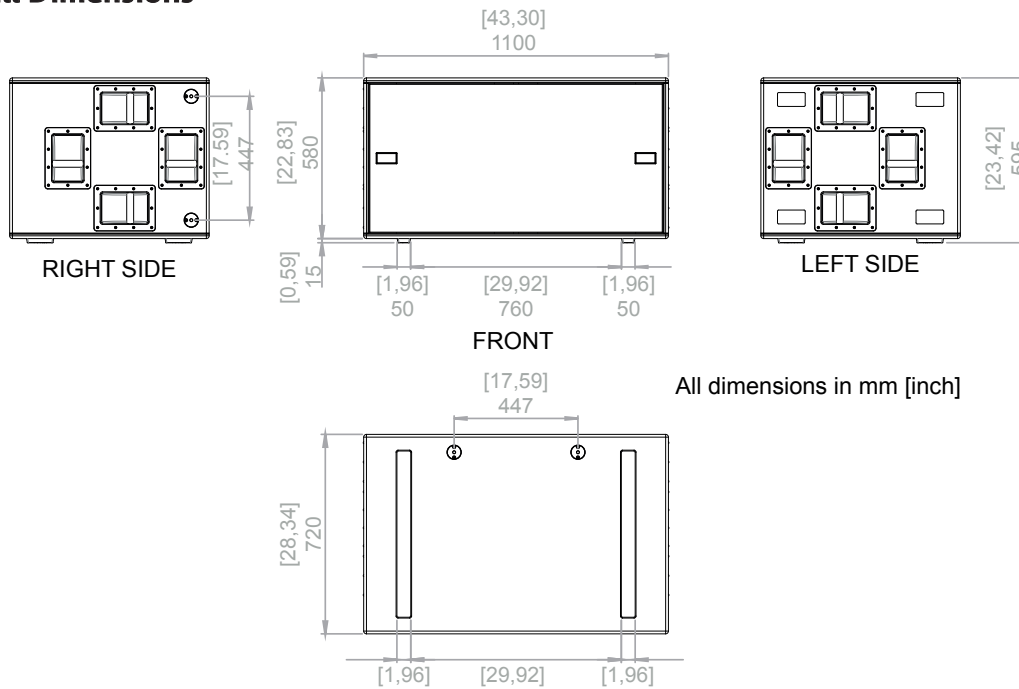
DVA S30 N

Technical Specifications

Rear Panel



Overall Dimensions



Accessories

| | |
|---------------|---|
| RJ45-RJ45-150 | RJ45-RJ45 link cable (150cm) for RDNet-equipped speakers |
| DRP S30 | Rain cover for DVA S30 DP |
| TC 20S | Padded cover to transport DVA S20 (DP) and S30 (N) |
| DRK-10 | Fly bar for DVA systems. Designed to hang up to a maximum weight of 250 Kg |
| DRK-20 | Fly bar for DVA systems. Designed to hang up to a maximum weight of 1800 kg |
| DO 218 | Dolly for DVA S30 (including wheels) |
| DWK 20 | Kit of 4-wheels |
| DS2-S | Pole Mount M20 thread, 20cm length |

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