

TH118

Tapped Horn Subwoofer



The TH118 features (1) x 18" long excursion LF driver in a Tapped Horn™ alignment. The Danley Tapped Horn Subwoofer™ is a patented design which allows us to build physically small subs which are very efficient especially at the low end of their range and are virtually linear in their passband. The Tapped Horn™ design takes full advantage of the driver element by doubling its output ability. Combine that attribute with the high power handling of the driver and you have one of the most powerful subwoofers on the market.

In many cases a single TH118 will take the place of (2) standard 2x18" front loaded cabinets. Subjectively the TH series produce very deep bass from generally very small boxes, the result is more volume from less input. They are unlike conventional horns in that combining multiple TH boxes together results in more output, but not significantly more extension.

The 13 ply Baltic Birch used throughout the enclosure is encased in PolyUrea for protection from impact and atmospheric conditions. Install and touring versions are both equipped with multiple M10 rig points. Our EW (Extreme Weather) variant offers the ultimate in protection from the elements due to the use of high-density polyurethane panels impregnated with fiberglass fibers in the place of standard plywood.

Utilize our DNA amplifiers or processor for maximum performance and protection with industry leading DSP capabilities.

Performance Specifications

Operating Mode

Passive single channel amplified

Operating Range

37Hz - 213 Hz +/-3dB

29Hz - 300 Hz - 10dB

Coverage Pattern

Omni-directional

Transducers

1x18"

Power Handling

1700 W Cont. | 6800 W Peak

Sensitivity

measured as 2.83V @ 1m distance

105 dB

Maximum SPL

(continuous | peak)

134 dB | 140 dB

M Noise

Coming soon

Impedance

1x4 Ohm

Recommended Power Amplifier

1x ≈3400 Watts @ 4 Ohm

Physical Specifications

Connections (TH118-T | TH118-I)

(2) Neutrik NL4 Speakon wired in Parallel

Pin 1+/- | 4 Ohm Single Channel

Pin 2+/- | Pass Through

Connections (TH118-I-EW | TH118-I-AT)

1x 2 Conductor 14 Gauge Lead-in Wire

Mounting / Suspension Points

M10 -1.5

Dimensions / Weight

40 x 28.5 x 22.5 in. | 1016 x 734 x 572 mm.

160 Lbs | 72.5 Kg

Finish

Black polyurea enclosure w/ matte black grille

White polyurea enclosure w/ matte white grille

Grey UV resistant painted enclosure w/ matte grey grille

Enclosure Material

18mm Baltic Birch, polyurea coated

Options

TH118-I Install Version

TH118-I-EW Install Version, Extreme Weather

TH118-T Touring Version

TH118-T-K Touring Version w/ 3 Pole Cups

TH118-T-K-M20 Touring Version w/ 3 M20 Pole Mounts

COVER-TH18TK Foam and Nylon Protective Cover

Rev. 202209231214

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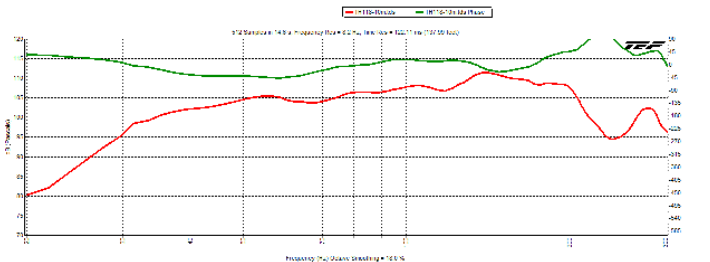
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ARCHITECT/ENGINEERS SPECS

The subwoofer shall utilize the tapped patented enclosure. The coverage pattern shall be omnidirectional. The subwoofer shall have an operating range of 29Hz -300Hz -10dB. Sensitivity of 105 dB SPL (measured at 2.83V referenced to 1m by 28.3V @10m distance). Output of 134 dB SPL Program/140 dB SPL Peak. Power handling shall be 1700 Watts cont. or 6800 Watts peak. The subwoofer shall be constructed of 13 ply, 18mm Baltic Birch, polyurea coated. The subwoofer shall be the Danley Sound Labs TH118.

Sensitivity



TH118-I-G-EW



TH118-I-W



TH118-T-B-K



TH118-T-B-K



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