

PROEL TFLV SERIES SPEAKERS

TFLV series



Proel's TFLV flying trapezoidal speaker series is a line of enclosures suitable for installation or touring use, available in hard epoxy texture finish with extremely rugged and anti-scratch coating. The cabinets, designed asymmetrically for wedge monitor applications, are made of 18 mm birch plywood, incorporate a thick metal grille, stand adapter and ergonomic carrying handles for easy transport. Commercial M10 threads/ eyebolts guarantee maximum enclosure suspension facility. High quality woofers feature ISV™ (Interleaved Sandwich Voice coils) and die-cast baskets with double ventilation design for improved heat dissipation and to reduce power compression.

The optimized mechanical excursion is granted by a unique DSS™ system (Double Silicon Spider), which controls the linearity of the transducer. Low distortion and excellent sound quality are further improved by a DDR™ system (Double Demodulating Rings). Custom high frequency compression drivers feature titanium diaphragms, flat aluminum wire voice coils, low distortion and extremely good frequency response. Proel's own SWG™ (Spherical Wave Guide) dispersion horn has a coverage of 70°Hx70°V and allows uniform dispersion and clear acoustic response. The TFLV speakers feature 12/ 24 dB/ oct passive crossovers with electronic protection for permanent reliability under stress. An external Full Range/Bi-Amp selector allows use in multiple speaker systems.

Two professional 4-pin SPK4MP connectors guarantee secure speaker cable locking and excellent power transfer. All Proel speakers are tested according to the AES standard power requirements; all electronic devices are built according to CE norms. A complete series of hardware and accessories is dedicated to the TFLV speakers: stands, wall brackets, steel cables, eyebolts, protection covers and professional speaker cables, for the most versatile indoor or outdoor use.

The popular models within the TFLV range are the **TFLV-15P8 Full Range Speaker** and the **TFLV-118SP8 Subwoofer**.

TFLV-15P8 Full Range Speaker

Datasheet

System type :	2-way vented enclosure
Nominal Impedance :	8 ohm
Input power rating (continuous) :	400 W
Input power rating (peak) :	800 W
Frequency response :	55Hz - 18kHz (-6dB, +6dB)
Sensitivity :	98dB @ 1W/1m
Maximum (peak) Output :	127 dB @ 1m
Low Frequency Device :	15" woofer - 3" voice coil
High Frequency Device :	1" throat - 1.4" voice coil
Coverage Angle H. (-6 dB) :	70°
Coverage Angle V. (-6 dB) :	70°
Trapezoidal taper :	10°
Monitor Taper :	40°
Crossover Frequency :	2000 Hz
Signal Processing :	Proel DSO26 (biamp mode)
Flying System :	4 x M10 - top, bottom, rear
Connectors :	2 x SPEAKON linked
Construction :	18mm birch plywood
Finishing :	Anti-scratch coating
Cabinet Colour :	Black
Mounting Hole :	1 x bottom
Weight :	23 kg(50.715lb)
Dimensions (W x H x D) :	46.5 x 68 x 43 cm



TFLV-118SP8 Subwoofer

Datasheet

System type	: Vented enclosure subwoofer
Nominal Impedance	: 8 ohm
Input power rating (continuous)	: 600 W
Input power rating (peak)	: 1200 W
Frequency response	: From 35Hz
Sensitivity	: 97dB @ 1W/1m
Maximum (peak) Output	: 128 dB @ 1m
Low Frequency Device	: 18" woofer, 4" voice coil
Trapezoidal taper	: 10°
Crossover Frequency	: 80Hz - 160Hz
Signal Processing	: Proel ASO25, Proel DSO26
Flying System	: 5 x M10 top, bottom, rear
Connectors	: 2 x SPEAKON linked
Construction	: 18/15mm birch plywood
Finishing	: Anti-scratch coating
Cabinet Colour	: Black
Mounting Pole	: 1 x top
Weight	: 42.5 kg(93.712lb)
Dimensions (W x H x D)	: 60 x 61 x 60 cm

