

POWERED SYSTEM

TA Series

Powered Sub-woofer
and Line Array

Description

The POPE Professional® TA Series, TA-8 is a two-way Passive Line Array Speaker and it's powered by TA-15BF flyable Sub-woofer. One TA-15BF flyable Sub-woofer can power the two TA-8 Line Arrays. The POPE Professional's innovated rigging hardware can fly 8 cabinets array with 9:1 safety standard. The 35 mm pole mount is making the system easy to use for smaller venues and front fill application.

The POPE Professional's TA-15BF flyable sub-woofer have the same outer entire steel and aluminium rigging hardware like TA-8 Line Array and it can be hang together. Also TA-8 Line Array can be stacked on TA-15BF as ground stacking array system.

The POPE Professional TA-15BF flyable sub-woofer utilizes a 15" LF transducer and provides extremely high levels of tight, punchy bass to the lowest octave of human hearing. The TA-8 Line Array utilizes an 8" LF transducer and 2*1" throat HF compression drivers. It's engineered both a companion and applications requiring extremely high output in a relatively small package.

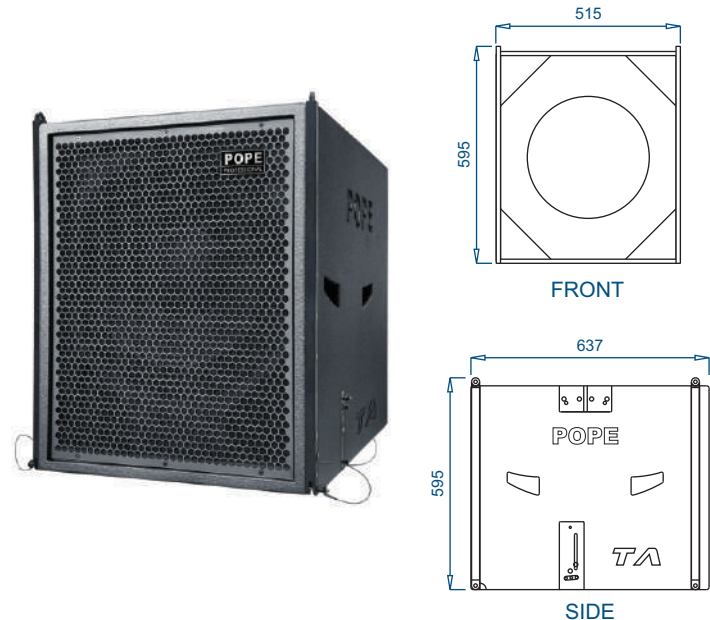
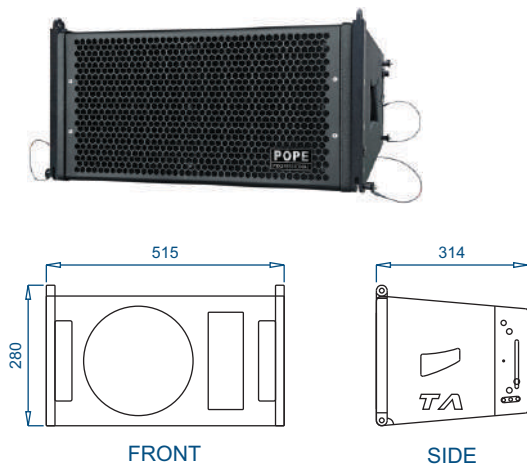
The TA-15BF flyable sub-woofer is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Features

- High efficiency and light weight Neodymium Drivers
- HF horn and Phase Aligned LF drivers for exceptional 100° horizontal coverage pattern
- 9:1 safety standard rigging hardware
- 8" LF and 1" Throat Compression driver
- Powered by 15" Sub-woofer
- Class-D amplification
- Built-in DSP
- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Applications

- Small and medium-scale Live Sound Reinforcement events
- Arenas, live theaters, concert venues, corporate AV, Places of worship



Specifications

Line Array Element

Model	: TA-8 & TA-15BF
Class	: Two way Line Array Speaker & Flyable Powered Sub-woofer
Frequency Response	: 36Hz - 20kHz
Horizontal Coverage Angle	: 100°
Vertical Coverage Angle	: 10°
Rigging Hardware	: Heat treated steel front and aluminium rear fittings, from 0° to 10° Angle adjustable slots
SPL**	: 120dB Continuous, 131dB peak

Electronic

Amplifier

Model	: VT-6
Total Power	: 10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	: 5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4):	: 5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	: CH-3: +1 -1 and CH-4: +2 -2
Cooling	: Aluminium heat Sink with Fan
Power Connector	: In with Rubber sealing cover
Power	: AC 85-265V @ 50-60Hz

Processor

In/Out	: 4 In / 4 Out
DSP	: 40 bit / 96kHz DSP
Filters	: FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	: Balanced Input / Output
Digital Signal	: Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	: XLR male / female and Ethernet
Control	: Ethernet - SoundNet® Networking
Preset	: 24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

	: 2*1" Throat POPE Professional® Compression driver
Voice Coil Diameter	: 45 mm (1.75")
Magnet Material	: Neodymium
Diaphragm Material	: Titanium
Speakon Wiring	: +2, -2

Low Frequency

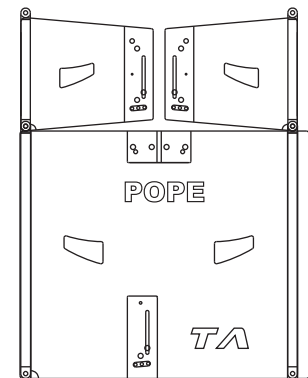
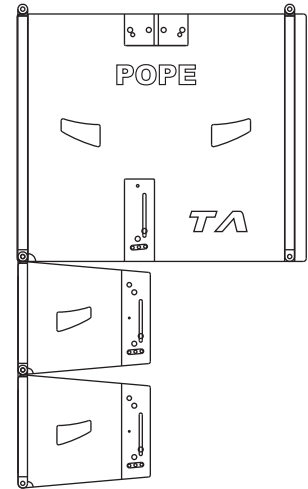
	: 1*8" (204 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	: 66.6 mm (2.6")
Magnet Material	: Neodymium
Speakon Wiring	: +1, -1

Sub-woofer

	: 1*15" (381 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	: 100 mm (4")
Magnet Material	: Ferrite

Enclosure

Box Construction	: 15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal Line Array & 18 mm, 11-ply birch Faced plywood Rectangle Flyable Sub-woofer enclosure
Grille	: Powder coated, black, 16-gauge perforated steel grille
Surface Finish	: SoundFlex® environment friendly coating
Suspension System	: Integral hinge bars, quick release pins & 35mm pole mount
Packing	: Foam with wooden crate carton box packing



Model	TA-8	TA-15BF
Dimensions (H x W x D)	280 mm × 515 mm × 314 mm	570 mm × 515 mm × 637 mm
Net Weight	16 kg	50 kg
Gross Weight	21 kg	61 kg

Description

The POPE Professional® TA Series, TA-10 is a two-way Passive Line Array Speaker and it's powered by TA-18BF flyable Sub-woofer. One TA-18BF flyable Sub-woofer can power the two TA-10 Line Arrays. The POPE Professional's innovated rigging hardware can fly 8 cabinets array with 9:1 safety standard. The 35 mm pole mount is making the system easy to use for smaller venues and front fill application.

The POPE Professional's TA-18BF flyable sub-woofer have the same outer entire steel and aluminium rigging hardware like TA-10 Line Array and it can be hang together. Also TA-10 Line Array can be stacked on TA-18BF as ground stacking array system.

The POPE Professional TA-18BF flyable sub-woofer utilizes an 18" LF transducer and provides extremely high levels of tight, punchy bass to the lowest octave of human hearing. The TA-10 Line Array utilizes a 10" LF transducer and a 1.4" throat HF compression driver. It's engineered both a companion and applications requiring extremely high output in a relatively small package.

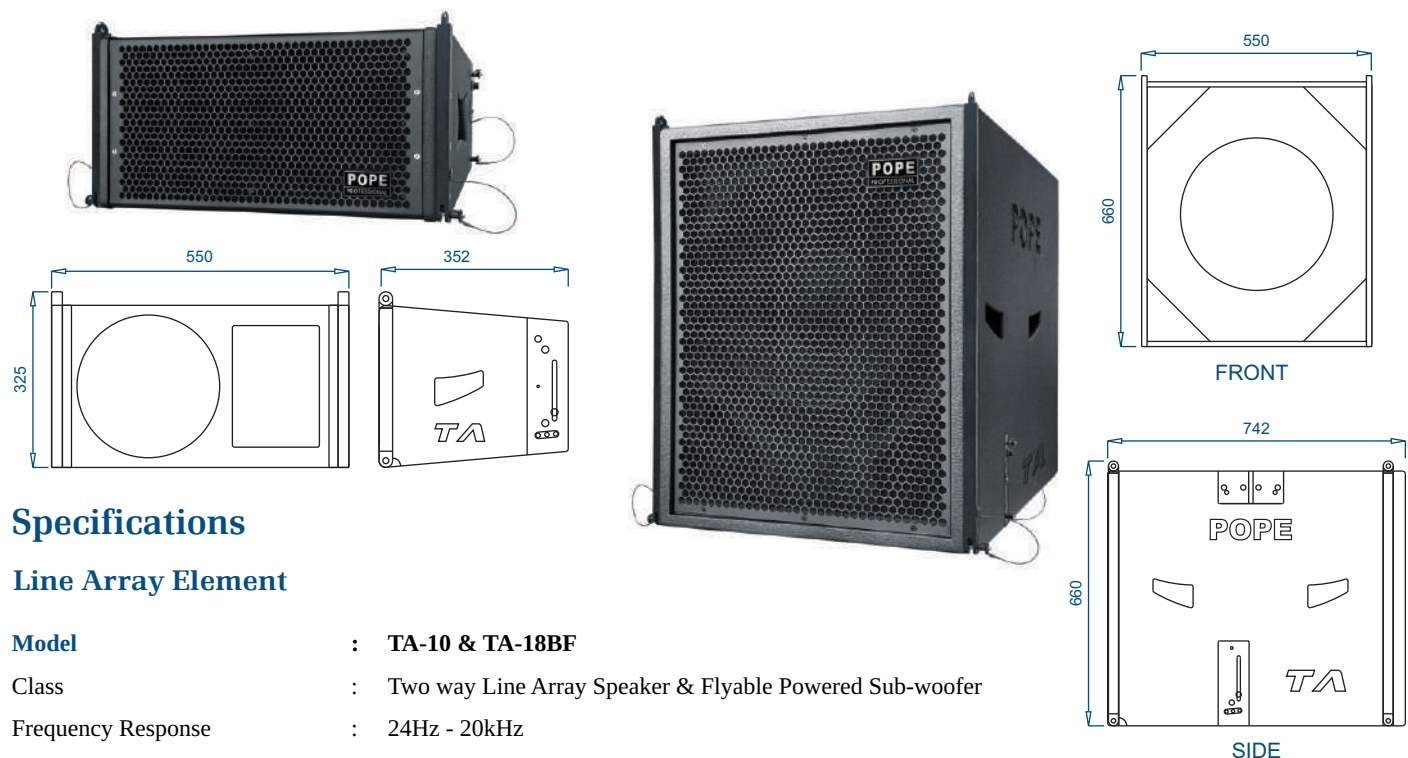
The TA-18BF flyable sub-woofer is having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

Features

- High efficiency and light weight Neodymium Drivers
- HF horn and Phase Aligned LF drivers for exceptional 100° horizontal coverage pattern
- 9:1 safety standard rigging hardware
- 10" LF and 1.4" throat Compression driver
- Powered by 18" Sub-woofer
- Class-D amplification
- Built-in DSP
- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing

Applications

- Small and medium-scale Live Sound Reinforcement events
- Arenas, live theaters, concert venues, corporate AV, Places of worship



Specifications

Line Array Element

Model	: TA-10 & TA-18BF
Class	: Two way Line Array Speaker & Flyable Powered Sub-woofer
Frequency Response	: 24Hz - 20kHz
Horizontal Coverage Angle	: 100°
Vertical Coverage Angle	: 10°
Rigging Hardware	: Heat treated steel front and aluminium rear fittings, from 0° to 10° Angle adjustable slots
SPL**	: 126dB Continuous, 135dB peak

Electronic

Amplifier

Model	: VT-6
Total Power	: 10000W Peak, 5000W RMS Continuous
Amplifier Output (Sub)	: 5000W Peak, 2500W Continuous
Amplifier Output (CH-3 & CH-4):	: 5000W Peak, 1250W + 1250W @ 4Ω Continuous
Speakon Wiring	: CH-3: +1 -1 and CH-4: +2 -2
Cooling	: Aluminium heat Sink with Fan
Power Connector	: In with Rubber sealing cover
Power	: AC 85-265V @ 50-60Hz

Processor

In/Out	: 4 In / 4 Out
DSP	: 40 bit / 96kHz DSP
Filters	: FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
Analog Signal	: Balanced Input / Output
Digital Signal	: Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
Connectors	: XLR male / female and Ethernet
Control	: Ethernet - SoundNet® Networking
Preset	: 24

For more specifications about DSP, check the XT-4040 product catalogue.

Transducer

High Frequency

	: 1*1.4" Throat POPE Professional® Compression driver
Voice Coil Diameter	: 75 mm (3")
Magnet Material	: Neodymium
Diaphragm Material	: Titanium
Speakon Wiring	: +2, -2

Low Frequency

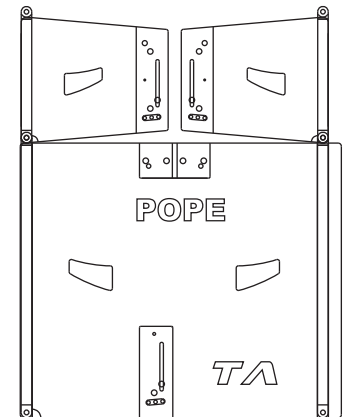
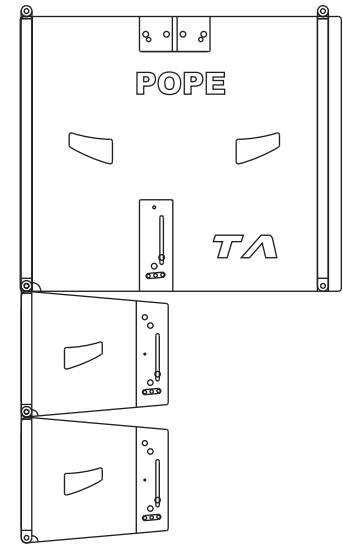
	: 1*10" (250 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	: 78.91 mm (3")
Magnet Material	: Neodymium
Speakon Wiring	: +1, -1

Sub-woofer

	: 1*18" (457 mm) Diameter POPE Professional® Transducer
Voice Coil Diameter	: 100 mm (4")
Magnet Material	: Ferrite

Enclosure

Box Construction	: 15 mm, 9-ply birch Faced plywood 5 degree Trapezoidal Line Array & 18 mm, 11-ply birch Faced plywood Rectangle Flyable Sub-woofer enclosure
Grille	: Powder coated, black, 16-gauge perforated steel grille
Surface Finish	: SoundFlex® environment friendly coating
Suspension System	: Integral hinge bars, quick release pins & 35mm pole mount
Packing	: Foam with wooden crate carton box packing



Model	TA-10	TA-18BF
Dimensions (H x W x D)	325 mm × 550 mm × 352 mm	660 mm × 550 mm × 742 mm
Net Weight	22 kg	70 kg
Gross Weight	29 kg	81 kg