

WS Series

Description

The POPE Professional® WS Series compact multi purpose loudspeaker specifically outfitted to serve in a variety of portable and permanent applications. The asymmetric enclosure provides typical angles needed for ceiling and wall mounting. It is particularly suitable as a near field main loudspeaker or as a fill / delay element in larger systems, with wide angle projection making for easy audience coverage.

The POPE Professional® WS Series loudspeakers are high power vented system. This system is designed for near field applications in distributed sound reproduction or reinforcement. The system is based on 8", 10", 12", 15" Two way speakers and 18" Single, 18" Dual sub-woofers with Neodymium LF & HF drivers. The temperature resistance high frequency compression driver coupled to horn with a nominal coverage of 90°x40° (HxV).

Specifications

Model	: WS-8
Class	: 1*8" Two way speaker
Power Rating	: 480 W Continuous*
Frequency Range	: 82Hz - 20kHz (-10dB)
Frequency Response	: 90Hz - 20kHz (± 3dB)
SPL**	: 116dB Continuous, 120dB peak
Impedance	: 8Ω

Transducer Sections

Low Frequency	: 1*8" (200 mm) Diameter POPE Transducer
Voice Coil Diameter	: 64 mm (2.5")
Voice Coil Material	: Copper
Magnet Material	: Neodymium Inside Slug
Chassis Type	: Cast Aluminium
Former Material	: Glass Fibre
Input Power Rating	: 400 Watts Continuous. Pink Noise 800 Watts Program 1600 Watts Peak
Sensitivity	: 98 dB SPL (1W @ 1m)
Recommended Frequency	: 90Hz - 2000Hz
Nominal Impedance	: 8Ω

High Frequency	: 1" throat POPE Compression driver
Voice Coil Diameter	: 51 mm (2")
Magnet Material	: Neodymium Ring
Throat Diameter	: 25.4 mm (1")
Diaphragm Material	: Titanium
Voice coil material	: Aluminium Wire
Power Rating / Both drivers	: 80 Watts Continuous. Pink Noise 160 Watts Program 320 Watts Peak
Sensitivity	: 108dB SPL (1W @ 1m)
Recommended Frequency	: 2000Hz - 20kHz
Nominal Impedance	: 8Ω

Enclosure

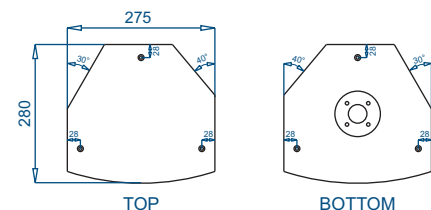
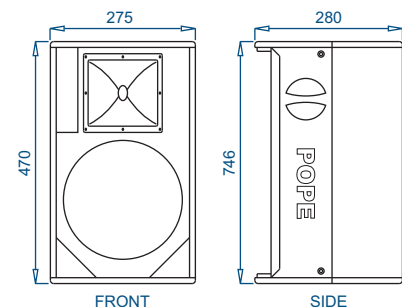
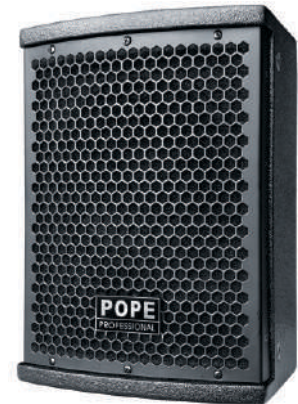
Cabinet Construction	: 15 mm, 9-ply birch Faced plywood Trapezoidal enclosure
Suspension / Mounting	: 10 x suspension points & 35mm pole mount
Grille	: Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Input Connectors	: 4 Pin Speakon (x2) +1-1 (Input & parallel connection)
Surface Finish	: SoundFlex® environment friendly coating
Coverage Pattern (H x V)	: 90° x 40°
Packing	: Foam with wooden crate carton packing
Dimensions (H x W x D)	: 470 mm × 275 mm × 280 mm
Net Weight	: 12 kg
Gross Weight	: 16 kg

Applications

Fill / delay, Places of worship, Stage monitoring, Retail shops, Clubs, Ballrooms, Corporate AV, Live theater, Theme parks, DJ's, Bars, Night clubs, Auditoriums, Gyms and Live Performance.

Features

- Birch Faced plywood enclosure
- **SoundFlex®** coating
- 4" Voice coil
- Neodymium LF drivers
- 90° x 40° (H x V) Coverage
- M10 points for safety harness.
- Pole mount



Specifications

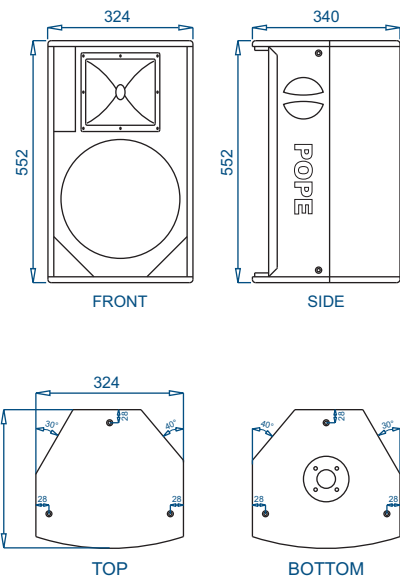
Model	: WS-10
Class	: 1*10" Two way speaker
Power Rating	: 710 W Continuous*
Frequency Range	: 75Hz - 20kHz (-10dB)
Frequency Response	: 80Hz - 20kHz (± 3 dB)
SPL**	: 118dB Continuous, 122dB peak
Impedance	: 8 Ω

Transducer Sections

Low Frequency	: 1*10" (250 mm) Diameter POPE Transducer
Voice Coil Diameter	: 75 mm (3")
Voice Coil Material	: Copper
Magnet Material	: Neodymium Inside Slug
Chassis Type	: Cast Aluminium
Former Material	: Glass Fibre
Input Power Rating	: 600 Watts Continuous. Pink Noise 1200 Watts Program 2400 Watts Peak
Sensitivity	: 97 dB SPL (1W @ 1m)
Recommended Frequency	: 80Hz - 1800Hz
Nominal Impedance	: 8 Ω

High Frequency	: 1*1.4" throat POPE Compression driver
Voice Coil Diameter	: 75 mm (3")
Magnet Material	: Neodymium
Throat Diameter	: 36 mm (1.4")
Diaphragm Material	: Titanium
Voice coil material	: Edge-wound flat Aluminium Wire
Input Power Rating	: 110 Watts Continuous. Pink Noise. 220 Watts Program 440 Watts Peak
Sensitivity	: 109.5dB SPL (1W @ 1m)
Recommended Frequency	: 1800Hz - 20kHz
Nominal Impedance	: 8 Ω

Enclosure	
Cabinet Construction	: 15 mm, 9-ply birch Faced plywood Trapezoidal enclosure
Suspension / Mounting	: 10 x suspension points & 35mm pole mount
Grille	: Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Input Connectors	: 4 Pin Speakon (x2) +1-1 (Input & parallel connection)
Surface Finish	: SoundFlex ® environment friendly coating
Coverage Pattern (H x V)	: 90° x 40°
Packing	: Foam with wooden crate carton packing
Dimensions (H x W x D)	: 552 mm × 324 mm × 340 mm
Net Weight	: 18 kg
Gross Weight	: 23 kg



Specifications

Model	: WS-12
Class	: 1*12" Two way speaker
Power Rating	: 1110 W Continuous*
Frequency Range	: 55Hz - 20kHz (-10dB)
Frequency Response	: 58Hz - 20kHz (\pm 3dB)
SPL**	: 122dB Continuous, 128dB peak
Impedance	: 8 Ω

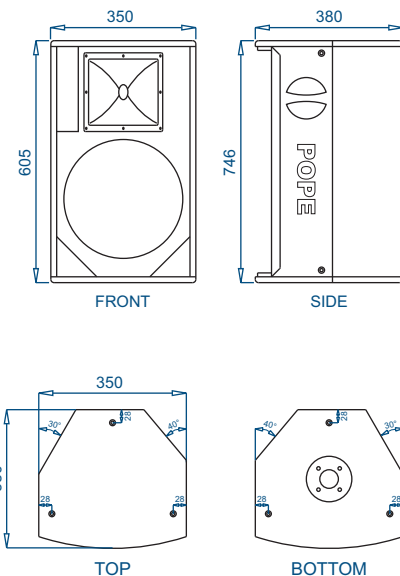
Transducer Sections

Low Frequency	: 1*12" (300 mm) Diameter POPE Transducer
Voice Coil Diameter	: 100 mm (4")
Voice Coil Material	: Copper
Magnet Material	: Neodymium Inside Slug
Chassis Type	: Cast Aluminium
Cone Surround	: Triple roll treated polycotton
Former Material	: Glass Fibre
Input Power Rating / Each driver	: 1000 Watts Continuous. Pink Noise 2000 Watts Program 4000 Watts Peak
Sensitivity	: 96 dB SPL (1W @ 1m)
Recommended Frequency	: 70 Hz - 1800 Hz
Nominal Impedance	: 8 Ω

High Frequency	: 1*1.4" throat POPE Compression driver
Voice Coil Diameter	: 75 mm (3")
Magnet Material	: Neodymium
Throat Diameter	: 36 mm (1.4")
Diaphragm Material	: Titanium
Voice coil material	: Edge-wound flat Aluminium Wire
Input Power Rating	: 110 Watts Continuous. Pink Noise. 220 Watts Program 440 Watts Peak
Sensitivity	: 109.5dB SPL (1W @ 1m)
Recommended Frequency	: 1800Hz - 20kHz
Nominal Impedance	: 8 Ω

Enclosure

Cabinet Construction	: 15 mm, 9-ply birch Faced plywood Trapezoidal enclosure
Suspension / Mounting	: 10 x suspension points & 35mm pole mount
Grille	: Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Input Connectors	: 4 Pin Speakon (x2) +1-1 (Input & parallel connection)
Surface Finish	: SoundFlex ® environment friendly coating
Coverage Pattern (H x V)	: 90° x 40°
Packing	: Foam with wooden crate carton packing
Dimensions (H x W x D)	: 605 mm x 350 mm x 380 mm
Net Weight	: 25 kg
Gross Weight	: 31 kg



Specifications

Model	: WS-15
Class	: 1*15" Two way speaker
Power Rating	: 1210 W Continuous*
Frequency Range	: 50Hz - 20kHz (-10dB)
Frequency Response	: 55Hz - 20kHz (\pm 3dB)
SPL**	: 124dB Continuous, 130dB peak
Impedance	: 8 Ω

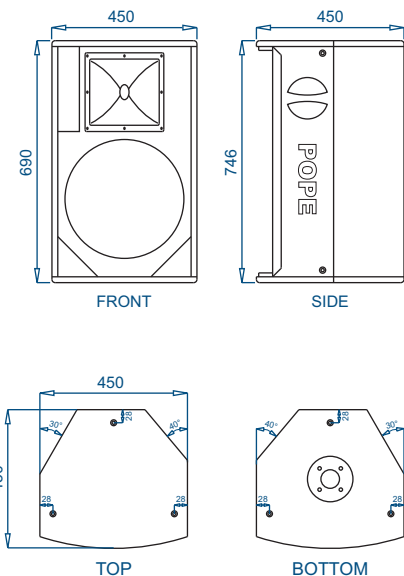
Transducer Sections

Low Frequency	: 1*15" (380 mm) Diameter POPE Transducer
Voice Coil Diameter	: 100 mm (4")
Voice Coil Material	: Copper
Magnet Material	: Neodymium Inside Slug
Chassis Type	: Cast Aluminium
Cone Surround	: Triple roll treated polycotton
Former Material	: Glass Fibre
Input Power Rating / Each driver	: 1100 Watts Continuous. Pink Noise 2200 Watts Program 4400 Watts Peak
Sensitivity	: 95 dB SPL (1W @ 1m)
Recommended Frequency	: 65 Hz - 1800 Hz
Nominal Impedance	: 8 Ω

High Frequency	: 1*1.4" throat POPE Compression driver
Voice Coil Diameter	: 75 mm (3")
Magnet Material	: Neodymium
Throat Diameter	: 36 mm (1.4")
Diaphragm Material	: Titanium
Voice coil material	: Edge-wound flat Aluminium Wire
Input Power Rating	: 110 Watts Continuous. Pink Noise. 220 Watts Program 440 Watts Peak
Sensitivity	: 109.5dB SPL (1W @ 1m)
Recommended Frequency	: 1800Hz - 20kHz
Nominal Impedance	: 8 Ω

Enclosure

Cabinet Construction	: 15 mm, 9-ply birch Faced plywood Trapezoidal enclosure
Suspension / Mounting	: 10 x suspension points & 35mm pole mount
Grille	: Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
Input Connectors	: 4 Pin Speakon (x2) +1-1 (Input & parallel connection)
Surface Finish	: SoundFlex ® environment friendly coating
Coverage Pattern (H x V)	: 90° x 40°
Packing	: Foam with wooden crate carton packing
Dimensions (H x W x D)	: 690 mm x 450 mm x 450 mm
Net Weight	: 31 kg
Gross Weight	: 39 kg



Features

- Extended Low frequency and high output
- Response from 27 Hz to capture lowest musical notes
- Direct radiating 18" (460mm) drivers
- High temperature resistance 4" (100mm) voice coil

Specifications

Model	: WS-18B
Class	: 1*18" Sub-woofer
Power Rating	: 1200 W Continuous*
Frequency Range	: 25Hz - 200Hz (-10dB)
Frequency Response	: 27Hz - 200Hz (± 3dB)
System Sensitivity (1W @ 1M)	: 98 dB SPL
SPL**	: 122dB Continuous, 128dB peak
Nominal Impedance	: 8Ω

Transducer

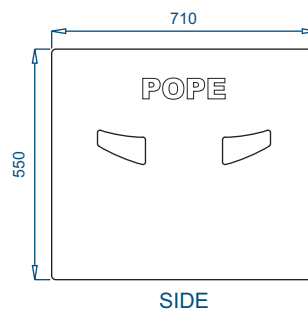
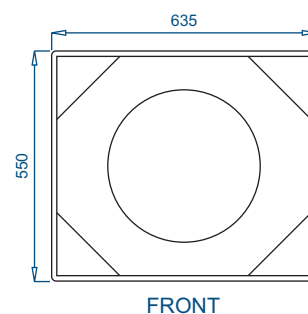
Low Frequency	: 1*18" (460mm) Diameter POPE Professional® Transducer
Power Rating	: 1*1200 Watts Continuous 1*2400 Watts Program 1*4800 Watts Peak
Voice Coil	: 100 mm (4")
Voice Coil Material	: Copper
Cone Surround	: Triple roll treated polycotton
Magnet Material	: Ferrite
Chassis Type	: Cast Aluminium
Crossover Mode	: Bi-amp
Nominal Impedance	: 8Ω

Enclosure

Cabinet Construction	: 18 mm, 11-ply birch Faced plywood Rectangular enclosure
Transportation	: 2 handles on both sides
Mounting	: 35 mm Pole Mount
Grille	: Powder coated, black, 16-gauge perforated steel grille
Input Connectors	: 4 Pin Speakon (x2) +2-2
Surface Finish	: SoundFlex® environment friendly coating
Coverage Pattern (H x V)	: 360°
Packing	: Foam with wooden crate carton packing
Dimensions (H x W x D)	: 550 mm × 635 mm × 710 mm
Net Weight	: 52 kg
Gross Weight	: 63 kg

Applications

- Club Systems
- Gym
- Arenas



Specifications

Model	: WS-218B
Class	: 2*18" Sub-woofer
Power Rating	: 2400 W Continuous*
Frequency Range	: 25Hz - 200Hz (-10dB)
Frequency Response	: 27Hz - 200Hz (\pm 3dB)
System Sensitivity (1W @ 1M)	: 98 dB SPL
SPL**	: 126dB Continuous, 132dB peak
Nominal Impedance	: 4 Ω

Transducer

Low Frequency	: 2*18" (460mm) Diameter POPE Professional® Transducer
Power Rating	: 2*1200 Watts Continuous 2*2400 Watts Program 2*4800 Watts Peak
Voice Coil	: 100 mm (4")
Voice Coil Material	: Copper
Cone Surround	: Triple roll treated polycotton
Magnet Material	: Ferrite
Chassis Type	: Cast Aluminium
Crossover Mode	: Bi-amp
Nominal Impedance	: Parallel: 4 Ω Discrete: 8 Ω x 2

Enclosure

Cabinet Construction	: 18 mm, 11-ply birch Faced plywood Rectangular enclosure
Transportation	: 2 handles on both sides
Grille	: Powder coated, black, 16-gauge perforated steel grille
Input Connectors	: 4 Pin Speakon (x2) +2-2
Surface Finish	: SoundFlex® environment friendly coating
Coverage Pattern (H x V)	: 360°
Packing	: Foam with wooden crate carton packing
Dimensions (H x W x D)	: 550 mm × 1252 mm × 710 mm
Net Weight	: 92 kg
Gross Weight	: 106 kg

