

P.I.

SIGNATURE SOUND FOR INSTALLATION



Unite Your Audience
The Martin Audio Experience



P.I.

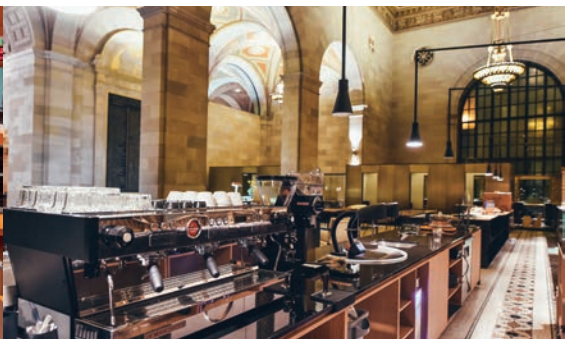
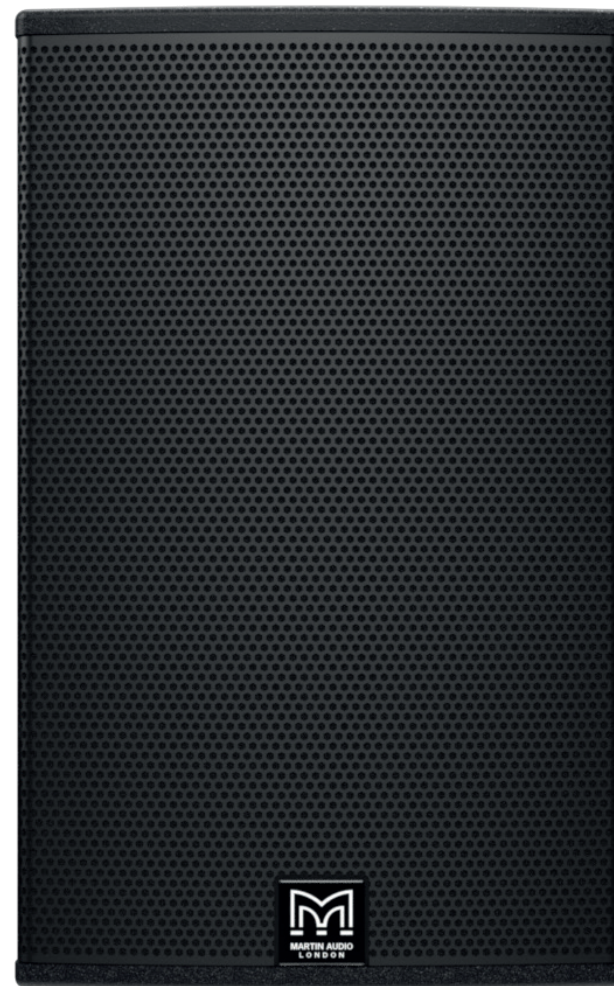
With the P.I. Series, Martin Audio engineers have designed a range of everyday full-range point source loudspeakers and subwoofers, specifically for small-medium installations such as education, hospitality, performance venues and government buildings.

P.I. is exclusively distributed by Guangzhou Guidance AV Technology Ltd for the China market.

Four, passive two-way systems — the PI8, PI10, PI12 and PI15 — combine the Martin Audio signature sound of warmth, clarity and smooth response with the simplicity of easy installation. Additional bass can be achieved by complementing the system with either the PI118 or PI218 subwoofers.

P.I. Series enclosure features a user-rotatable horn for vertical or horizontal orientation and multiple M8 threaded inserts for easy installation. The trapezoid enclosures are braced internally to reduce panel resonances and improve sonic performance and are finished in a textured black paint, with drivers protected by a perforated steel grille.

The LF drivers have demodulating rings providing clear, distortion-free reproduction, even at high SPL and internal crossover networks incorporate technology to protect the low and high frequency drivers and assure reliability without interrupting the performance.



FEATURES

- Full-range, passive two-way system
- LF driver with demodulating ring for distortion-free vocals
- User-rotatable horn
- Vertical and horizontal mounting option
- Cloth-backed perforated steel grille
- Trapezoid enclosure with textured finish
- 8Ω nominal impedance
- Internal crossover network with LF and HF driver protection
- Twin NL4 connectors
- Multiple M8 rigging inserts

APPLICATIONS

- Education
- Hospitality
- Small performance spaces
- Government
- Public Spaces



PI8



The PI8 is an ultra-compact two-way passive loudspeaker system with an integrated 8" (200mm) /2" (50mm) voice coil LF driver and a 1" (25mm) HF driver. Its very small size belies its high output capability.

PI8 can deliver pristine sound over short and medium throw distances and its rotatable 90° x 50° HF horn provides extremely smooth coverage in either plane. The trapezoid enclosure is constructed from 15mm engineered wood fibre and finished in a textured black paint. It is fitted with a cloth-backed protective steel grille and M8 inserts are provided for eyebolt suspension and installation.

PI10



The PI10 is very compact, two-way passive loudspeaker designed for quality sound over short throw distances. It utilises a 10" (250mm)/2.5" (63mm) voice coil LF driver and a 1" (25mm) exit HF compression driver with a 1.4" (35mm) polyimide diaphragm.

It is capable of high output levels for its small size and its rotatable 90° x 50° HF horn provides extremely smooth coverage. Equal horizontal and vertical horn mouth dimensions ensure its excellent directivity control is maintained in both planes. The trapezoid enclosure is constructed from 15mm engineered wood fibre and finished in a textured black paint. It is fitted with a cloth-backed protective steel grille and M8 inserts are provided for eyebolt suspension and installation.

PI12



The PI12 is a high-performance, two-way system with a maximum SPL of 129dB peak @ 1m. It features a 12" (300mm)/2.5" (63mm) voice coil LF driver unit and a 1" (25mm) exit compression driver with a 1.4" (35mm) polyimide diaphragm on a rotatable 80° x 50° HF horn.

The trapezoid enclosure is constructed from 15mm engineered wood fibre and finished in a textured black paint. It is fitted with a cloth-backed protective steel grille and M8 inserts are provided for eyebolt suspension and installation.

PI15



The PI15 is a high-power, passive two-way system designed applications bars that require performance and output from a single enclosure.

It features a powerful 15" (380mm)/3" (75mm) voice coil LF drive unit, and a 1" (25mm) exit HF compression driver with a 1.75" (44mm) polyimide diaphragm for extended high frequency response. Its 80° x 50° coverage pattern is ideal for medium-throw applications, and it delivers superior vocal performance at very high sound levels without harshness.

The enclosure is constructed from 15mm engineered wood fibre and finished in black textured paint. A cloth-backed protective steel grille protects the drivers, and M8 inserts are provided for eyebolt suspension and installation.

PI118



The PI118 is a compact, high performance subwoofer for indoor use with P.I Series full-range loudspeakers.

It extends the low frequency operating range of the combined system down to 42Hz and can be used singly, stacked in omni or cardioid mode, or flown via integral M10 insets. It features a long-excursion 18" (460mm)/4" (100 mm) voice coil driver in a compact enclosure that has four reflex ports with a large frontal area to reduce turbulent air noise at very high levels.

The PI118 enclosure is constructed from durable plywood and finished in textured black paint. A perforated steel grille protects the driver, and the enclosure two ergonomic side handles.

PI218



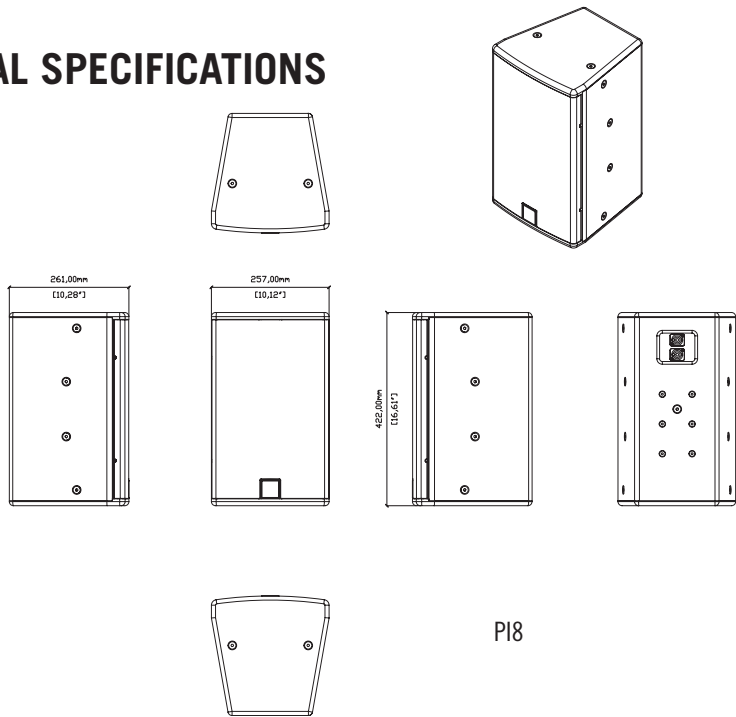
The PI218 is a dual-driver, high performance subwoofer for use with P.I. Series full-range loudspeakers.

With an operating range of 42Hz-200Hz + 3dB, it produces high output levels with low distortion and can be used singly or stacked horizontally. It features dual 18" (460mm)/4" (100mm) voice coil, long excursion drivers in a reflex enclosure with eight large ports that reduce air turbulence at high output levels.

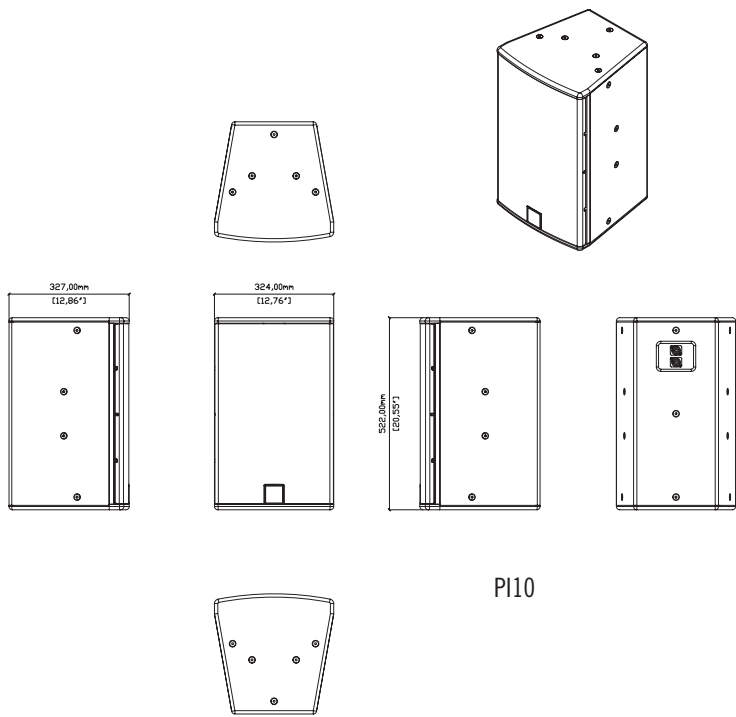
The PI218 enclosure is constructed from plywood and finished in black textured paint as standard. Integral M10 inserts provide for eyebolt suspension of a single enclosure. Ergonomic handles assist ease of handling and the drivers are protected by a perforated steel grille. Rubber feet on the base of the PI218 resist movement and align with recesses in the top surface for stable horizontal stacking. Feet are also provided on one side of the enclosure for vertical operation of a single cabinet.



TECHNICAL SPECIFICATIONS



P18



P110

P18

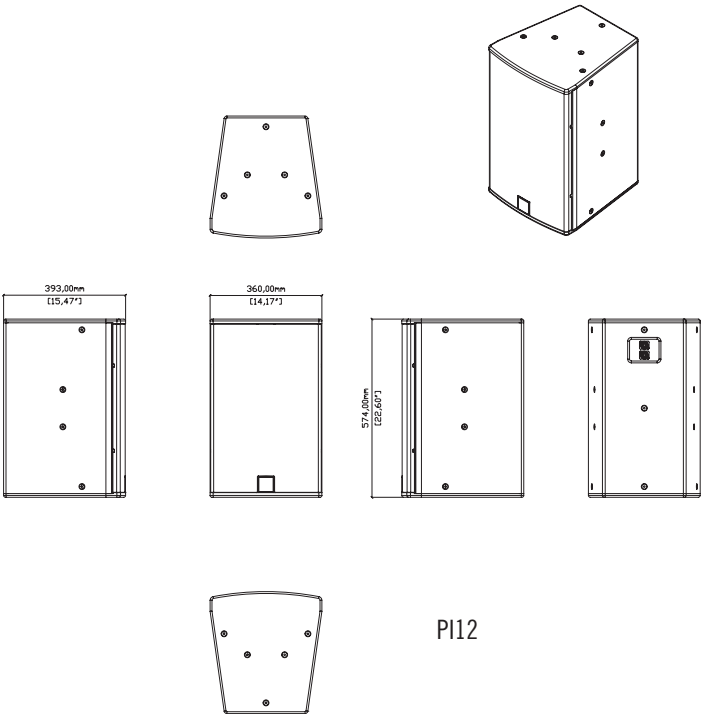
TYPE	Compact, passive two-way system
FREQUENCY RESPONSE (with preset)	90Hz - 18kHz ± 3 dB -10dB @ 62Hz
DRIVERS	LF: 8" (200mm)/2" (50mm) voice coil, ferrite motor system HF: 1" (25mm) exit/1" (25mm) voice coil, polyimide dome compression driver
RATED POWER	200W (AES), 800W (Peak)
RECOMMENDED AMP	VIA2502
SENSITIVITY	92dB
MAXIMUM SPL	115dB continuous, 121dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	90° H x 50° V (user-rotatable)
CROSSOVER	2.9kHz passive
ENCLOSURE	Trapezoid
FINISH	Black textured paint
PROTECTIVE GRILLE	Black perforated steel with scrim cloth backing
CONNECTORS	2 x NL4 type
PIN CONNECTIONS (INPUT)	1+/-
PIN CONNECTIONS (LINK)	1+/- to 1+/-
FITTINGS	16 x M8 inserts
DIMENSIONS	(W) 257mm x (H) 422mm x (D) 261mm (W) 10.12ins x (H) 16.61ins x (D) 10.28ins
WEIGHT	10kg (22.1lbs)

P110

TYPE	Compact, passive two-way system
FREQUENCY RESPONSE (with preset)	65Hz - 20kHz ± 3 dB -10dB @ 49Hz
DRIVERS	LF: 10" (250mm)/2.5" (63.5mm) voice coil, ferrite motor system HF: 1" (25mm) exit/1.4" (35mm) voice coil, polyimide dome compression driver
RATED POWER	250W (AES), 1000W (Peak)
RECOMMENDED AMP	VIA2502
SENSITIVITY	96dB
MAXIMUM SPL	120dB continuous, 126dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	90° H x 50° V (user-rotatable)
CROSSOVER	2.8kHz passive
ENCLOSURE	Trapezoid
FINISH	Black textured paint
PROTECTIVE GRILLE	Black perforated steel with scrim cloth backing
CONNECTORS	2 x NL4 type
PIN CONNECTIONS (INPUT)	1+/-
PIN CONNECTIONS (LINK)	1+/- to 1+/-
FITTINGS	14 x M8 inserts
DIMENSIONS	(W) 324mm x (H) 522mm x (D) 327mm (W) 12.76ins x (H) 20.55ins x (D) 12.86ins
WEIGHT	16kg (35.3lbs)

PI12

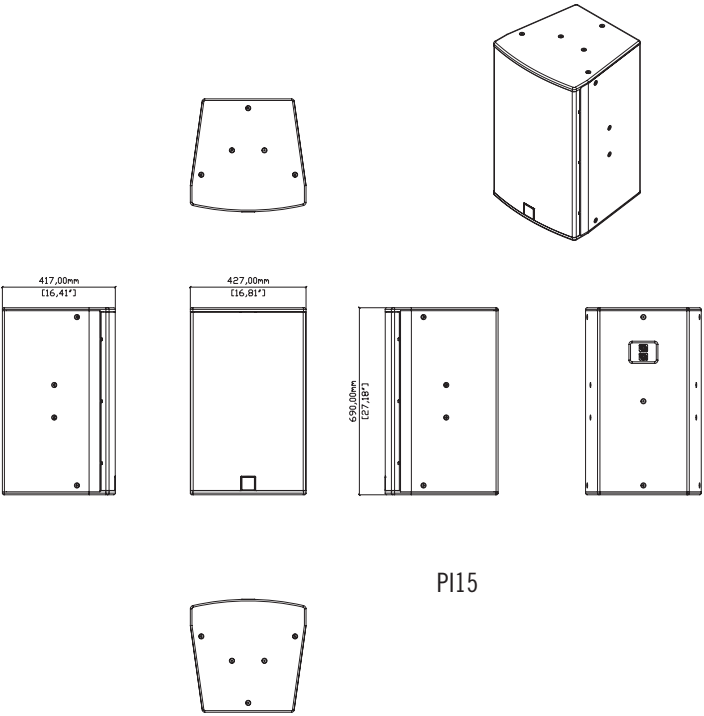
TYPE	Compact, passive two-way system
FREQUENCY RESPONSE (with preset)	62Hz -20kHz ±3dB -10dB @ 47Hz
DRIVERS	LF: 12" (300mm)/2.5" (63.5mm) voice coil, ferrite motor system HF: 1" (25mm) exit/1.4" (35mm) voice coil, polyimide dome compression driver
RATED POWER	300W (AES), 1200W (Peak)
RECOMMENDED AMP	VIA5002
SENSITIVITY	98dB
MAXIMUM SPL	123dB continuous, 129dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	80° H x 50° V (user-rotatable)
CROSSOVER	2.5kHz passive
ENCLOSURE	Trapezoid
FINISH	Black textured paint
PROTECTIVE GRILLE	Black perforated steel with scrim cloth backing
CONNECTORS	2 x NL4 type
PIN CONNECTIONS (INPUT)	1+/-
PIN CONNECTIONS (LINK)	1+/- to 1+/-
FITTINGS	14 x M8 inserts
IMENSIONS	(W) 360mm x (H) 574mm x (D) 393mm (W) 14.17ins x (H) 22.60ins x (D) 15.47ins
WEIGHT	20kg (44.09lbs)



PI12

PI15

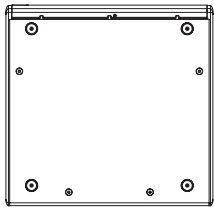
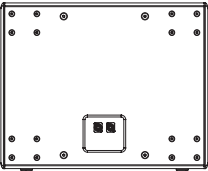
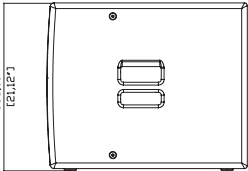
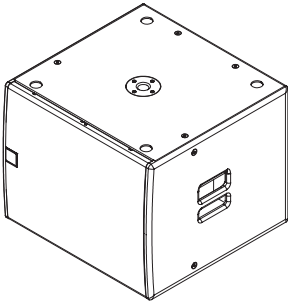
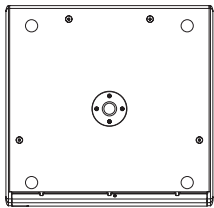
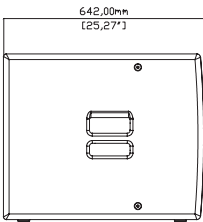
TYPE	High-power, passive two-way system
FREQUENCY RESPONSE (with preset)	58Hz - 18kHz ±3dB -10dB @ 46Hz
DRIVERS	LF: 15" (380mm)/3" (75mm) voice coil, ferrite motor system HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver
RATED POWER	500W (AES), 2000W (Peak)
RECOMMENDED AMP	VIA5002
SENSITIVITY	99dB
MAXIMUM SPL	126dB continuous, 132dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	80° H x 50° V (user-rotatable)
CROSSOVER	2.3kHz passive
ENCLOSURE	Trapezoid
FINISH	Black textured paint
PROTECTIVE GRILLE	Black perforated steel with scrim cloth backing
CONNECTORS	2 x NL4 type
PIN CONNECTIONS (INPUT)	1+/-
PIN CONNECTIONS (LINK)	1+/- to 1+/-
FITTINGS	10 x M8 inserts
DIMENSIONS	(W) 427mm x (H) 690mm x (D) 417mm (W) 16.81ins x (H) 27.18ins x (D) 16.41ins
WEIGHT	28kg (61.73lbs)



PI15

PI118

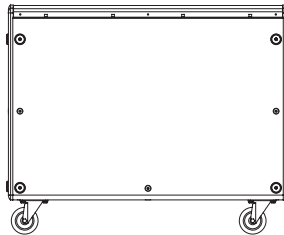
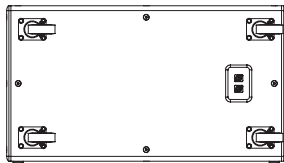
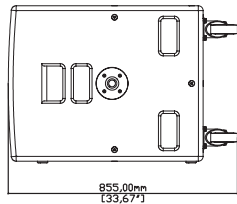
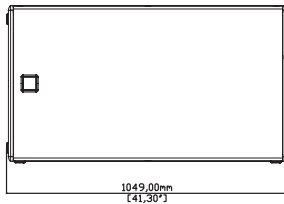
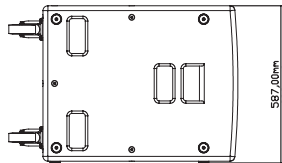
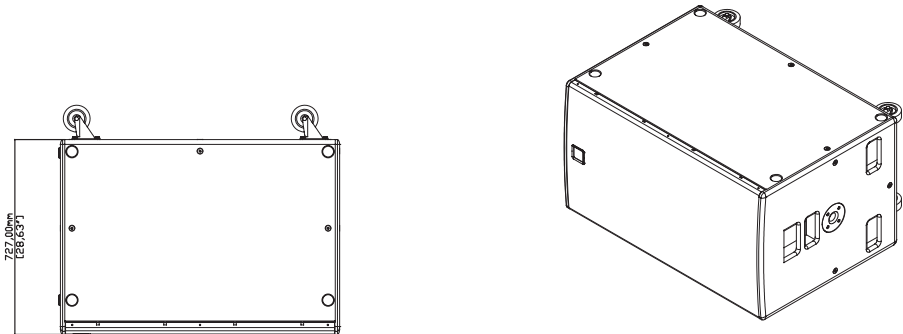
TYPE	Compact, direct radiating subwoofer
DRIVER COMPLIMENT	18" (460mm) /4" (100mm) voice coil, long excursion, ferrite magnet
DISPERSION	Omnidirectional
MAX SPL	135dB
CONT SPL	129dB
FREQUENCY RESPONSE (1)	+/- 3dB, 42Hz-200Hz
FREQUENCY (1)	- 10dB, 33Hz
SENSITIVITY (10)	100dB per. 2.83V
CROSSOVER	80 - 120Hz active
RATED POWER (2) AES	800W
RECOMMENDED AMPLIFIER	VIA5002 or VIA5004
POWER HANDLING (2) PEAK	3200W
NOMINAL IMPEDANCE	8Ω
CONNECTORS	2 x NL4 type
PIN CONNECTIONS (INPUT)	1+ / 1- INPUT, 2+ /2- N/C
PIN CONNECTIONS (LINK)	1+ / 1- LINK , 2+ /2- N/C
FITTINGS	16x M10, provision for castors, Pole mount socket
HANDLE TYPE	2 x Bar
DIMENSIONS (H x W x D)	537mm x 662mm x 640mm (incl feet)
WEIGHT (MAX)	40.65kg (89.62lbs)



PI118

PI218

TYPE	Dual-driver, direct radiating subwoofer
FREQUENCY RESPONSE (1)	42Hz-200Hz ± 3dB -10dB @ 33Hz
DRIVER	18" (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet
RATED POWER (2)	1600W AES, 6400W peak
RECOMMENDED AMPLIFIER	VIA 5002, iK81, iK42
SENSITIVITY (10)	106dB
MAXIMUM SPL (9)	141dB peak (half space)
NOMINAL IMPEDANCE	4 ohms
DISPERSION (-6dB)	Omnidirectional
CROSSOVER	80-120Hz active
ENCLOSURE	Birch/poplar ply
FINISH	Black textured paint
PROTECTIVE GRILLE	Black perforated steel
CONNECTORS	2 x NL4 type
PIN CONNECTIONS (INPUT)	1+ 1- Link Through 2+ 2-
PIN CONNECTIONS (LINK)	1+ 1- Link Through 2+ 2-
FITTINGS	12 x M10 inserts, pole-mount socket 2 x bar handles, 4 x pocket handles, provision for castors
DIMENSIONS (INCL FEET)	(W) 1049mm x (H) 587mm x (D) 727mm (W) 41.3ins x (H) 23.1ins x (D) 28.6ins
WEIGHT	88kg (194lbs)



PI218

P.I.

SIGNATURE SOUND FOR INSTALLATION

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Version 1.0