

IMPACT SERIES



IMPACT 120

FULL-RANGE PASSIVE LOUDSPEAKER SYSTEM

The Impact Range of full-range, passive loudspeakers has been designed to be used in a variety of installed sound system applications ranging from discotheques, clubs and wine bars to theatres, themed environments and places of worship. In addition, thanks to its elegant styling and practical durability, Impact is ideal for many mobile sound system applications.

The Impact 120 is a passive 2-way loudspeaker consisting of a 12" reflex loaded low frequency driver and a unique 5" high

directing sound accurately onto areas where high SPL is required, such as a night-club dance-floor, without over-spill into peripheral areas where sound levels must be controlled.

The Impact 120 enclosure is manufactured using a unique 'foam-in-place' rotational moulding technique, giving an attractive and extremely durable finish. As a result the enclosure is light yet very strong, while the process gives the additional benefit of eliminating undesirable internal resonances

FEATURES

- Rotationally Moulded Enclosure
- 5" HF Cone Driver
- Range of Fixing Hardware

APPLICATIONS

- Discotheques and Clubs
- Mobile Sound Reinforcement
- Themed Environments

frequency cone driver, matched with an internal third order high-pass crossover. By utilising cone-type transducers throughout, a virtually seamless transition is achieved at the crossover point, resulting in smooth, natural sound quality without harshness or unwanted distortion.

The Impact 120 has been designed to provide a controlled coverage pattern,

in the cabinet walls. The moulded enclosure also provides integral features including a comfortable carrying handle, pole mount socket and hardware fixing panel. Impact enclosures are made from recyclable materials.

A range of cost-effective wall and ceiling mounting hardware is optionally available for all Impact series loudspeakers.

**TECHNICAL
SPECIFICATIONS**

Type	2-way passive reflex box		
Dimensions (HxWxD)	700mm x 410mm x 356mm (27½" x 16¼" x 14")		
Weight	17kg (37.4lbs)		
Components	1 x 305mm (12") LF driver, 1 x 127mm (5") HF cone transducer		
Frequency Response ¹	60Hz to 17kHz @±4dB		
Nominal Dispersion	55°H x 55°V		
Power handling	200 Watts r.m.s. (400 Watts program)		
Sensitivity ²	97dB SPL, 1Watt @ 1metre		
Maximum SPL	117 dB (continuous) ³ 124dB (peak) ⁴		
Crossover	Internal passive crossover at 4kHz, third order high pass.		
Impedance	8 Ohms		
Construction	Foam-in-place rotationally moulded enclosure, finished in TurboBlue Integral pole mount socket and carrying handle(s)		
Grille	Black powder-coated perforated steel grille		
Connectors	Speakon NL4 connectors		
Options	Optional colours available to order:		
	Postbox red (346)	Turquoise (55455)	Chargoal grey
	Mid grey (88273)	White	Lime green (269)
	Crimson red (079)	Avocado green (383)	Racing green (384)
	Orange (365A)	Sky blue (018D)	Yellow (320)
Spares and Accessories	07B500	WB-100	Adjustable telescopic wall bracket
	07B502	SM-100	Single point mount
	07B506	CB-100	Adjustable telescopic ceiling bracket
	07B504	SX-100	Single point mount extension bracket
	07B508	PA-100	Pole mount assembly
	04B058	LS-1210	LF driver for IMPACT 120
	05B058	RC-1210	Recone kit for LS-1210
	04B110	LS-505	HF driver for IMPACT 120
	05B110	RC-505	Recone kit for LS-505
	10G432	PX-120	Passive crossover for IMPACT 120
	07A942	MG-IMP120	Metal grille for IMPACT 120

All measurements are actual figures taken from real-time testing using stated inputs, free from any filtering or weighting. Therefore actual figures may significantly exceed that of other manufacturers with higher published weighted ratings.

Notes

¹ Measured on axis.

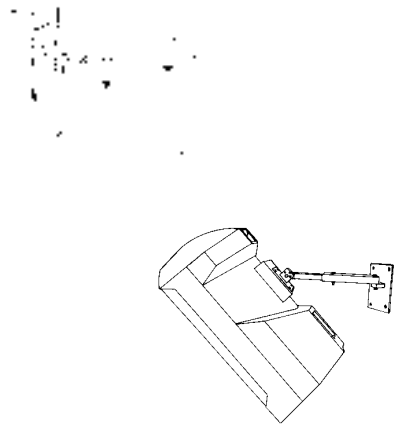
² Average over stated bandwidth.

³ Measured at 1 metre.

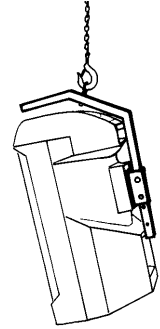
⁴ Verified by subjective listening tests of familiar program material, before the onset of perceived signal degradation.

A range of fixing and mounting hardware is optionally available to implement safe and effective installations in a variety of differing situations. An integral moulded 'top hat' fitting is incorporated into the base of IMPACT 80 and IMPACT 120 enclosures, allowing them to be used with standard 35mm diameter loudspeaker stands and with the PA-100 straight pole assembly. A matching pole mount fitting is moulded into the top of the IMPACT 180.

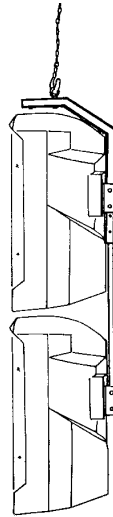
An adjustable telescopic wall bracket, **WB-100**, allows the IMPACT 80 or IMPACT 120 to be fixed to walls in a variety of possible horizontal and vertical orientations. The vertical orientation of the loudspeaker can be adjusted in 15° increments as shown from 0° (vertical) to 45° of downward inclination.



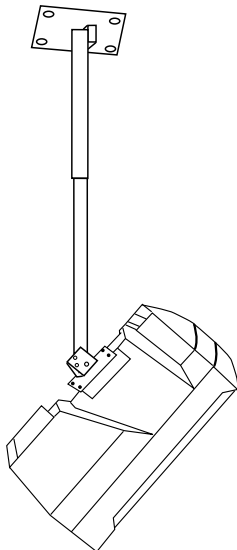
A single point mount, **SM-100**, is used for attaching the IMPACT 80 or IMPACT 120 to single point suspension systems such as TV spigots. A range of adjustments allows either loudspeaker to be flown upside down if required.



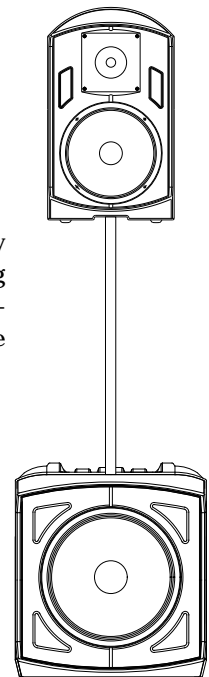
A single point extension bracket, **SX-100**, enables two IMPACT 120 speakers to be flown together in a vertical array. The lower speaker may be flown upside down if required.



A telescopic ceiling bracket, **CB-100**, is used to fix the IMPACT 80 or IMPACT 120 to ceilings, including false ceilings. Several horizontal and vertical orientations are possible.



The **PA-100** straight pole assembly is a 35mm pole used for mounting IMPACT 80 or IMPACT 120 enclosures to be mounted on top of the IMPACT 180.



**ARCHITECTURAL & DESIGN
ENGINEER'S SPECIFICATIONS**

The loudspeaker shall be of the two-way passive type consisting of one 12" reflex-loaded low frequency loudspeaker, and one 5" cone-type high frequency transducer.

Performance specifications of a typical production unit shall meet or exceed the following: Frequency response, measured with a swept sine-wave input, shall be flat within $\pm 4\text{dB}$ from 60Hz - 17kHz. Nominal impedance shall be: 8 Ohms. Power handling shall be 200 Watts r.m.s., 400 Watts program. Sensitivity, measured with 1 Watt input at 1 metre distance on axis, mean averaged over stated bandwidth, shall be 97dB. Maximum SPL (peak) measured with

music program input at stated amplifier power shall be 124dB.

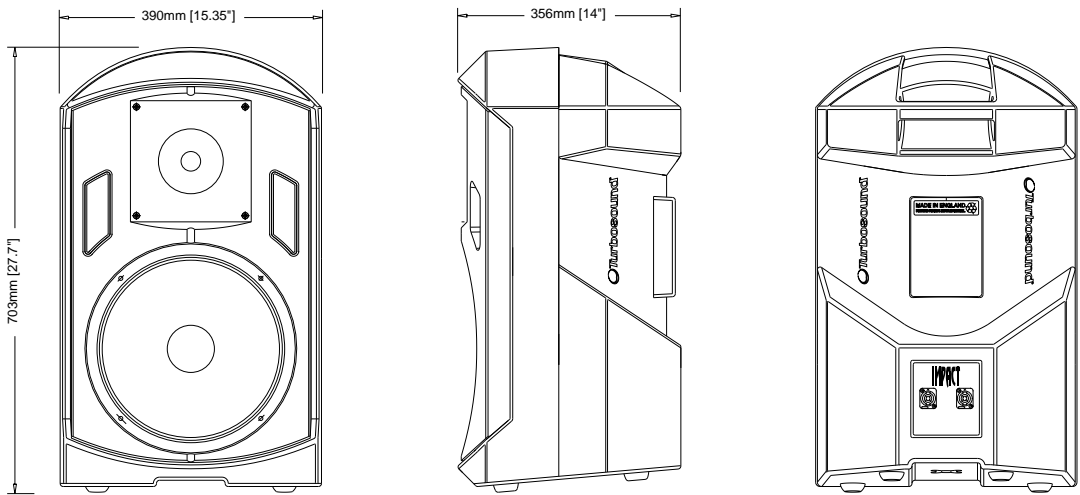
Dimensions: 700mm x 410mm x 356mm

(H x W x D) (27¹/₂" x 16¹/₄" x 14")

Weight: 17kg (37.4lbs)

The loudspeaker system shall be the Turbosound Impact 120. No other loudspeaker shall be acceptable unless submitted data from an independent test laboratory verify that the above combined performance/size specifications are equalled or exceeded.

DIMENSIONS



Dealer Stamp



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Turbosound operates a policy of continuous research and development. The implementation of new materials and/or production methods will always equal or exceed the published specifications which are subject to change without notice.

TURBOSOUND PATENT INFORMATION: TurboBass™ device; TurboMid™ device; V-Series devices (V-2™); Australia 515,535; Canada 1,076,033; Japan X11342/77; U.K. 1,592,246 1,598,310 & 8,614,434; U.S.A. 4,215,761 RE32,183 & 4,882,562; West Germany P274600/2. Worldwide patents pending on the TurboConcentric™ device. Other patents pending.

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