

series

GT

POLYPROPYLENE ENCLOSURES

Applications

Live Front of House Sound Reinforcement in Clubs, Discos, Piano Bars, Conference Halls, Houses of Worship, Sports Arenas, Schools, Theatres, Mobile D.J. use, Foreground Music Reproduction, etc.

Backed by FBT's strong leading experience in polypropylene moulded speaker enclosure manufacturing, Kempton's New GT Series of Active and Passive portable speaker systems express original enclosure design and engineering to offer an amazing blend of user-friendly features along with quality sound reproduction. These eye-catching and affordable enclosures with quality components provide usage in a wide range of applications. The Kempton GT Series speakers feature selected custom designed woofers, and compression drivers that are coupled to an



80°H x 50°V constant directivity horn. The GT 12 A powered version, with its Class AB bi-amped power module offers easy-access to the controls and connectors.



GT 12A

GT 12A
GT 12

Model	GT 12A active	
System Configuration	Way	2 - full range
Built-in amplifier LF/HF	W rms	200 + 50
Frequency response	@-6dB	50Hz - 20kHz
Low frequency woofer	inch	12" (2" coil)
High frequency compr. driver	inch	1" (1,4" coil)
Sensitivity @1W/1m	dB	97
Max SPL	dB	121
Dispersion	H x V	80°x50°
Crossover frequency	kHz	-
Input impedance	kOhm	20k
Power cord	m	5
	ft	16,40
Input connectors		2xXLR/Jack combo
Output connector		1xXLR-M (Mix Out)
Net dimensions (WxHxD)	mm	390x630x350
	inch	15,35x24,80x13,78
Net weight	Kg	17
	Lb	37,47



GT 12



Cabinet Enclosures

Kempton's GT Series injected moulded polypropylene enclosures feature an original proprietary cabinet design with smooth and flowing lines that immediately identifies the GT series appearance from the many Competitors models that look very much the same. The GT Series enclosures rugged construction and exterior finish were designed to handle the rigors of the road when used for portable sound reinforcement applications.

Shape

The Asymmetrical trapezoidal shape design provides a 45° taper angle for stage monitoring applications as well as for a general Front of House P.A. system

Pole Mount Sockets & Handles

For speaker stand mounting all GTs are equipped with a 35mm Ø (1³/₈") aluminium pole mount socket. The GT Series enclosures feature ergonomically placed carrying handles for a balanced "feel" when handling / transporting.

Grilles

Extremely rugged 1.2mm (0.05") steel grilles protect the woofer without detracting from its sonic performance in any way.

Rigging/Fly points & Stacking capabilities

All GT enclosures are provided with multiple M10 fly points to accept standard M 10 eye-bolts to facilitate safe and easy flying capabilities. The enclosures are equipped with rubber feet and stacking positions that are moulded into the cabinet enclosures, allowing stable stacking of 2 cabinet enclosures.

Power Amplifier (GT12A)

The bi-amplification system of the GT12A consists of two independent Class AB amplifiers, one for the LF woofer and one for the HF compression driver/horn. Independent LF & HF Thermal and short-circuit protection circuits are also featured. The Crossover circuitry features an active electronic 24dB/oct Linkwitz-Riley design. The innovative 2-channel on-board mixer (CH A and CH B) with each one featuring: Preamp Gain, Volume, High Frequency EQ, Low Frequency EQ controls, XLR/Jack combo inputs. An XLR-M output jack provides mixed signal output of input channels A and B.

Passive Version (GT12)

The GT12 Passive speaker features professional 2 x 4-pin Speakon connectors mounted to a recessed panel to prevent inadvertent operation.

Components

All components were carefully selected and manufactured to Kempton's specifications and tolerances and then severely tested for reliability for the Kempton GT Speaker series. The custom designed Woofers feature high strength curvilinear cones on die cast frames, high temperature resistant voice coils to prevent burnout failures and ferrite magnet structures to produce solid low frequency response. The HF compression drivers provide clean and clear high frequency output and are coupled to an 80°H x 50°V custom designed constant directivity horn for precise dispersion.

Crossover Networks

The Heavy Duty Crossover Networks that divide the signal going to the woofer and compression driver are constructed with oversize coils, high voltage capacitors and power resistors to provide the best possible sound quality and minimize signal loss. Independent LF and HF overload protection circuits are employed to protect the woofers and HF drivers from failures.

Model	GT 12 passive	
System Configuration	Way	2 - full range
Recommended amplifier	W rms	250
Long term power AES	W	125
Short-term power IEC268-5	W	500
Nominal Impedance	Ohm	8
Frequency response	@-6dB	56Hz - 20kHz
Low frequency woofer	inch	12" (2" coil)
High frequency compr. driver	inch	1" (1,4" coil)
Sensitivity @1W/1m	dB	97
Max SPL	dB	121
Dispersion	H x V	80°x50°
Crossover frequency	kHZ	2,5
Recommended HP filter		40Hz - 12/24dB oct.
Input connectors		2x4-pin speakon
Net dimensions (WxHxD)	mm	390x630x350
	inch	15,35x24,80x13,78
Net weight	Kg	14
	Lb	30,86