

The C7-TOP and Ci7-TOP loudspeakers

C7-TOP and Ci7-TOP loudspeakers

The C7 and Ci7-TOP are full range loudspeakers. The Ci7-TOP is the installation version of the C7-TOP, it differs only in cabinet construction and mounting hardware.

The C7 and Ci7-TOP are two-way hornloaded loudspeakers, which provide full range coverage at very high SPLs. The coaxial constant directivity design maintains a nominal dispersion of 75° x 40° down to 600 Hz. The 15" LF driver is loaded with a vented enclosure and passively crossed over to a 1.5" exit HF compression driver. C7 and Ci7-TOP maintain a high efficiency from 18 kHz down to 68 Hz and consequently, for applications that do not demand very low frequencies additional subwoofers are not required.

Where higher SPLs with sufficient bass-headroom is needed, the C7-TOP can be supplemented with two C7-SUBs for a powerful PA, the Ci7-TOP can be supplemented with either the Ci7-SUB or Ci-SUB.

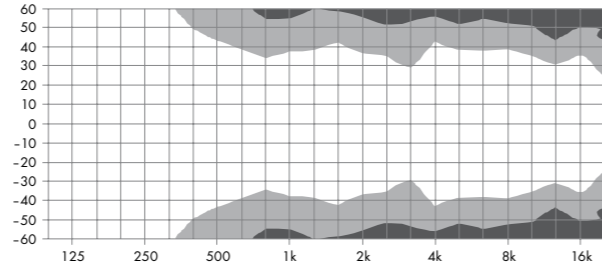
The C7 and Ci7-TOP cabinets are constructed from marine plywood and have an impact resistant paint finish. The front of the loudspeaker cabinets are protected by a rigid metal grill covered with a replaceable acoustically transparent foam. The C7-TOP is fitted with a pair of steel handles, MAN CF4 stud plate rigging points and catches at the top and bottom for securing an optional transport lid. Mounted on the C7-TOP rear panel are four heavy duty wheels. Whilst the Ci7-TOP has four M12 and four M16 threaded inserts for attaching the installation hardware.

System data

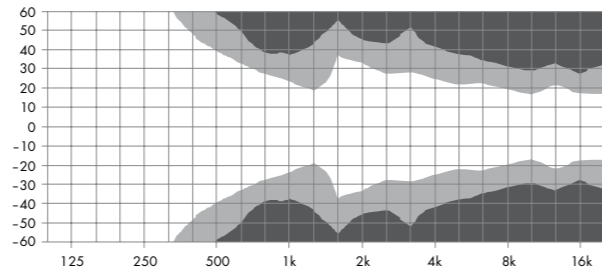
Frequency response (-5 dB)..... 68 Hz - 18 kHz
 Max. sound pressure (1 m, free field)¹
 with D6..... 134 dB
 with D12 138 dB
 with D80 138 dB
 Input level (100 dB SPL/1 m) -19 dBu

Loudspeaker data

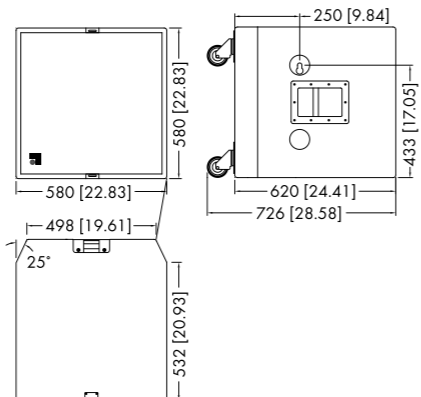
Nominal impedance..... 8 ohms
 Power handling capacity (RMS/peak 10 ms) 200/800 W
 Nominal dispersion angle (h x v) 75° x 40°
 Components 15" driver / 1.5" compression driver
 passive crossover network
 Connections
 C7-TOP 2 x EP5, optional 2 x NL4
 Ci7-TOP 1 x NL4
 Weight.....
 C7-TOP (incl. wheels) 52 kg (117 lb)
 Ci7-TOP 50 kg (110 lb)



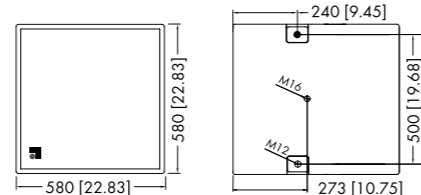
C7-TOP and Ci7-TOP horizontal dispersion characteristics²



C7-TOP and Ci7-TOP vertical dispersion characteristics²



C7-TOP cabinet dimensions in mm [inch]



Ci7-TOP cabinet dimensions in mm [inch]

¹ Broadband measurement, pink noise, crest factor 4, peak measurement, linear weighting
² Dispersion angle vs frequency plotted using lines of equal sound pressure (isobars) at -6 dB and -12 dB

The C7 and Ci7 subwoofers

C7 and Ci7 subwoofers

C7 and Ci7-SUB are bass-reflex subwoofers. The Ci7-SUB is the installation version of the C7-SUB, it differs only in cabinet construction and mounting hardware.

They employ a long excursion 18" driver, whilst the large, specially shaped reflex port enables the subwoofers to achieve high sound pressure levels with minimal power compression and breathing effects.

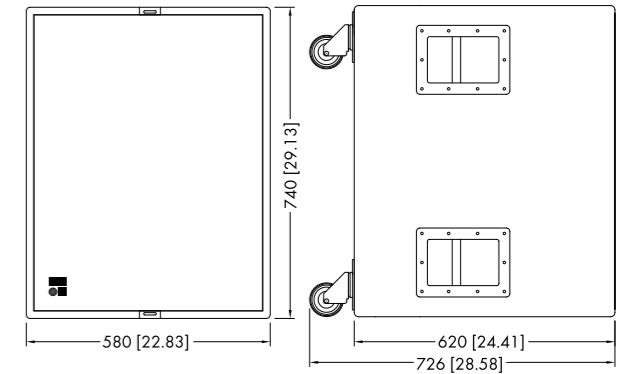
The C7 and Ci7-SUB cabinets are constructed from marine plywood and have an impact resistant paint finish. The front of the loudspeaker cabinets are protected by a rigid metal grill covered with a replaceable acoustically transparent foam. The C7-SUB is fitted with two pairs of steel handles and catches at the top and bottom for securing an optional transport lid and an M20 threaded flange in the top panel accepts the d&b Loudspeaker stand for the deployment of full range cabinets. Mounted on the C7-SUB rear panel are four heavy duty wheels. The Ci7-SUB has two M16 threaded inserts for attaching the installation hardware.

System data

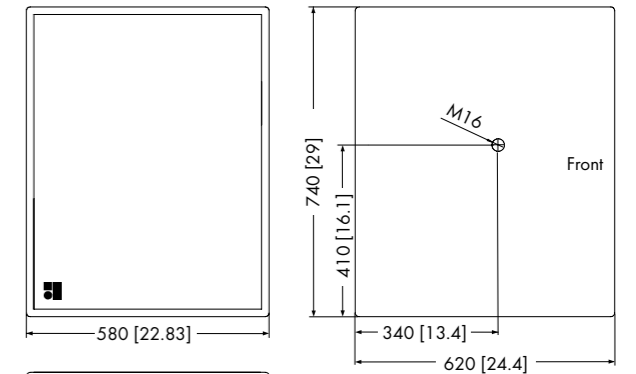
Frequency response (-5 dB)..... 44 Hz - 140/100 Hz
 Max. sound pressure (1 m, free field)¹
 with D6..... 131 dB
 with D12 135 dB
 with D80 135 dB

Loudspeaker data

Nominal impedance..... 8 ohms
 Power handling capacity (RMS/peak 10 ms) 400/1200 W
 Components 18" driver
 Connections
 C7-SUB 2 x EP5, optional 2 x NL4
 Ci7-SUB 1 x NL4
 Weight.....
 C7-SUB (incl. wheels) 49 kg (117 lb)
 Ci7-SUB 45 kg (110 lb)



C7-SUB cabinet dimensions in mm [inch]



Ci7-SUB cabinet dimensions in mm [inch]

¹ Broadband measurement, pink noise, crest factor 4, peak measurement, linear weighting