



Section	EN54 Voice Evacuation Systems
Category	EN54-24 Loudspeakers
Range	C6000-EN
Code	C6120-EN, C6120N-EN
Certificate	EN54-24:2008 Nr. 0068/CPR/149-2020



Description

EN54-24 IP55 100W Sound columns

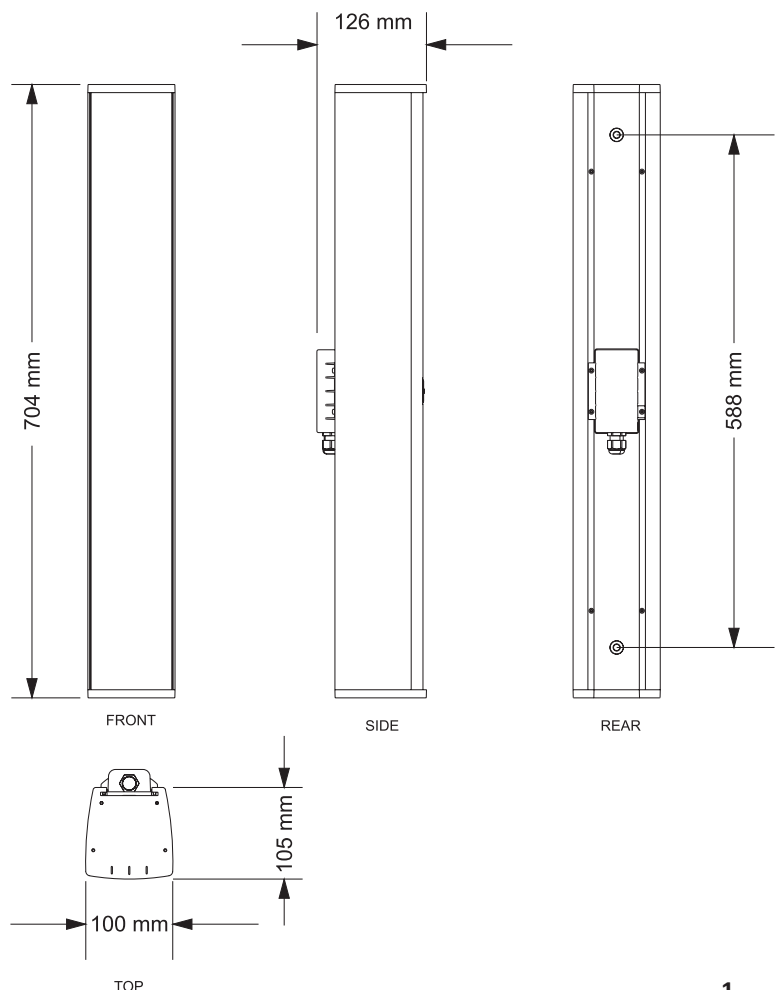
C6000-EN range is characterized by an integrated passive directivity control system which delivers a consistent frequency-based vertical dispersion, and which offers users the choice of two angles - *narrow* and *wide*.

This functionality guarantees enormous flexibility for the integrator, even allowing for the horizontal mounting of columns. **C6120-EN** and **C6120N-EN** are equipped with eight 3" full-range woofers (4 for C6060-EN and C6060N-EN models). Suited to both indoor and outdoor use, IP55 certified, all models have the same sleek, lightweight and durable, powder-coated aluminum housing. Completely dustproof and waterproof, the enclosure's grille is covered with a special hydrophobic fabric to ensure absolute rejection of all atmospheric agents. The structure is made of extruded aluminum and a wide range of accessories is also available for total system configuration flexibility.

FUNCTIONAL FEATURES

- Passive column array.
- 8 x 3" fullrange custom woofers with 0.7" voice-coil.
- Vertical dispersion angle selector: 110°H x 15°V (*narrow*), 110°H x 40°V (*wide*).
- Ceramic screw-in connector with thermal fuse.
- 100V / 100W line transformer with power selector.
- Extruded aluminum cabinet with powder coating.
- Grille with hydrophobic fabric.

These certified columns can be used for emergency and evacuation applications. Other features include a 100V line transformer with switchable power levels.



Technical data

C6120-EN, C6120N-EN



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0068

0068/CPR/149-2020

EN 54-24

Loudspeaker for voice alarm systems
for fire detection and fire alarm systems for buildings

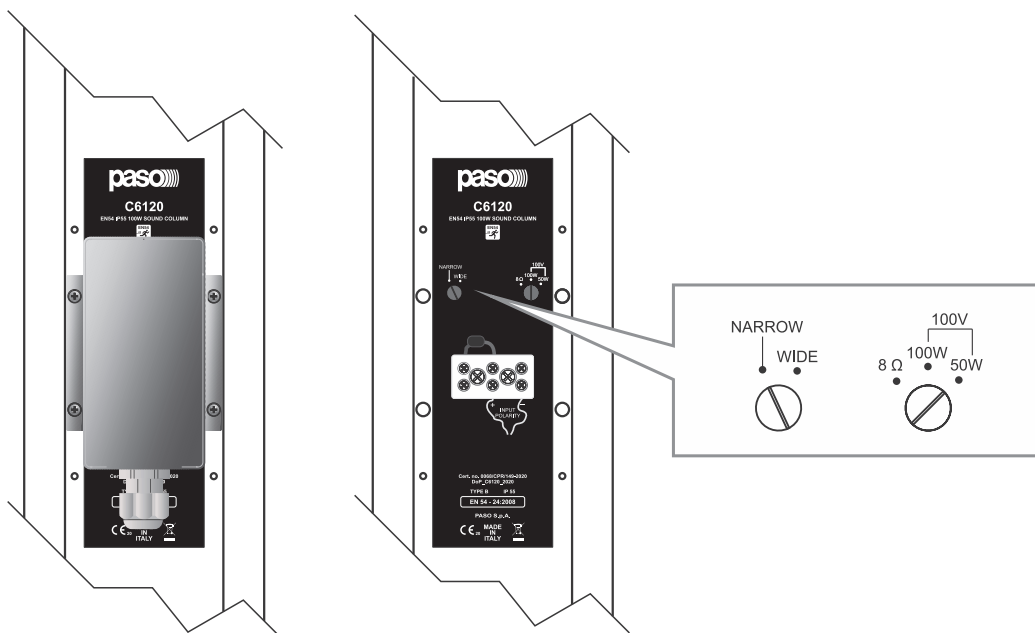
C6120-EN, C6120N-EN

Type B


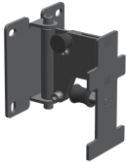

Rated output	100 W
Line transformer (100 V)	100 W / 50 W
Recommended amplifier	200 W RMS
Rated impedance	8 Ω
Frequency response @ -6dB	150 ÷ 20.000 Hz
Sensitivity @ 1W/1m	94 dB
Maximum SPL @ 1m/4m	112 dB / 100 dB
Vertical dispersion angle switch	H: 110° x V: 15° <i>NARROW</i> H: 110° x V: 40° <i>WIDE</i>
Horizontal dispersion angle (- 6dB) NARROW = WIDE setting	500 Hz: 360° 1 kHz: 170° 2 kHz: 125° 4 kHz: 125° 8 kHz: 100°
Vertical dispersion angle (- 6dB) WIDE setting	500 Hz: 70° 1 kHz: 35° 2 kHz: 26° 4 kHz: 26° 8 kHz: 20°
Vertical dispersion angle (- 6dB) NARROW setting	500 Hz: 70° 1 kHz: 35° 2 kHz: 18° 4 kHz: 10° 8 kHz: 10°
Input connectors	Ceramic terminal block
Operating / Storage temperature	-25°C ÷ +55°C / -40°C ÷ +70°C
Relative humidity	< 95%
Colour	C6120-EN: <i>White</i> C6120N-EN: <i>Black</i>
Protection degree	IP 55
Size	100 x 704 x 125 mm
Net weight	5,5 kg

Acoustical measurement environment used for the specifications listed in this table are made in free field condition.

Rear view



Accessories

		
<p>AC6101 Flying bar for suspended installation</p>	<p>AC6102 Directional joint for fixing two or more columns together</p>	<p>AC6103 Directional wall mount for <u>vertical</u> installation</p>
		
<p>AC6104 Directional wall mount for <u>horizontal</u> installation</p>	<p>AC6105 Hooking clamp for trellis</p>	<p>AC6106 Fixed joint for wall mounting two or more columns between them</p>

MODEL	Net weight	Max load
C6120-EN, C6120N-EN	5,5 kg	-----
AC6101	0,5 kg	20 kg
AC6102	0,6 kg	-----
AC6103	0,8 kg	13 kg
AC6104	0,7 kg	3 kg
AC6105	0,5 kg	21 kg
AC6106	0,4 kg	-----

The table illustrates the net weight of the speakers and accessories, with relevant max load.