

CS 6520

TWO-WAY COLUMN SPEAKER



MAIN APPLICATIONS

- Audio visual applications
- Auditorium
- Halls
- Churches
- Cathedrals
- Meeting places

DESCRIPTION

CS 6520 is a two-way column loudspeaker with very compact dimensions. The horizontal coverage angle (100°) and the vertical dispersion (40°) allow the correct sound reproduction in a wide space and highly intelligible reproduction of the vocal message.

The column incorporates four 80 mm (3.15") extended-range speakers and a 20 mm (0.79") dome tweeter.

It includes a transformer inside for the connection to (100 – 70 V) constant voltage lines.

When connected to a 100 V line, its power can be selected among the values 20 W, 10 W, 5 W or 2,5 W through the selection 6 inputs wire.

The CS 6520 is intended for both indoor and outdoor installations.

MAIN FEATURES

- four rubber surround 3.15" woofers
- 0.79" dome tweeters
- 20 / 40 Watt (RMS/Music Power)
- 160 Hz ÷ 20 kHz
- 105 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Crossover frequency: 3500 Hz
- Easy to install
- Simple power settings

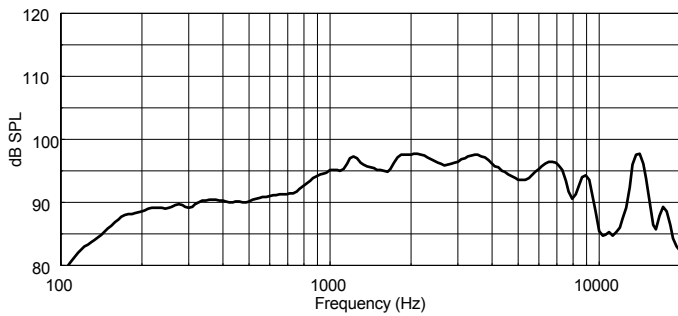
SPECIFICATIONS

Loudspeaker	Woofers 3.15" neodymium magnet, 0.79" dome
Power (on 8 Ohm load)	20/ 40 W (RMS / Music power)
Power	30 W - 20 W - 10 W (100V)
Sensitivity	92 dB (1 W / 1 m)
Mx. SPL	105 dB(A) (1 m / POWER MAX)
Frequency Response	250 Hz – 20 kHz
Angle of coverage	190° / 130° / 100° @ 1 / 2 / 4 kHz (hor.)
Connector	6 conductor cable
Body colour	White RAL 9003
Main body material	Painted aluminium.
Grill material	Steel
Dimensions (HxWxD)	580 mm x 114 mm x 96 mm
Installation	Orientable support included
Max wall distance	88 mm
Net weight	4.2 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing

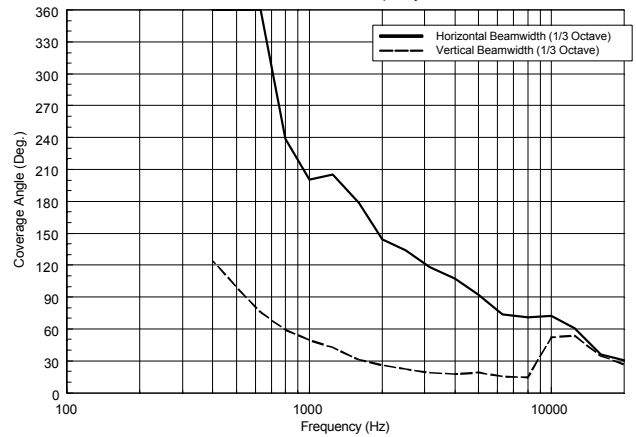


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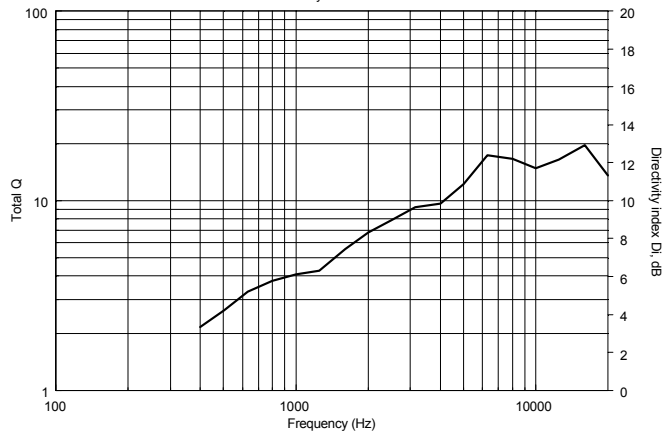
Response 1W/1m



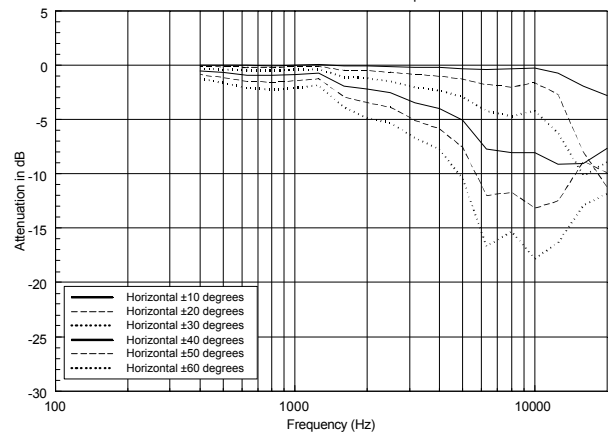
Beamwidth vs. Frequency



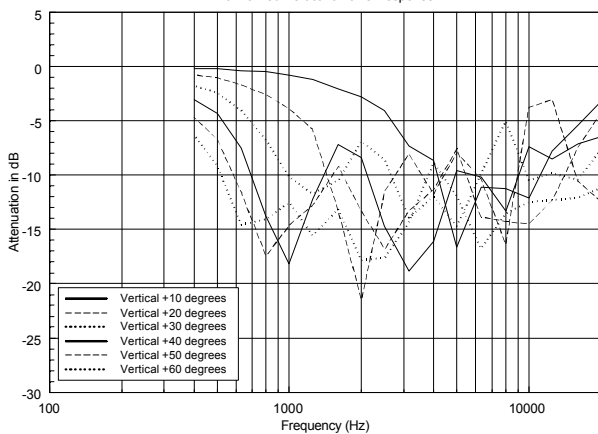
Directivity Index and Q



Normalized Horizontal off-axis Response

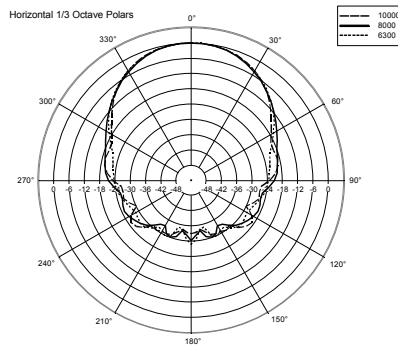
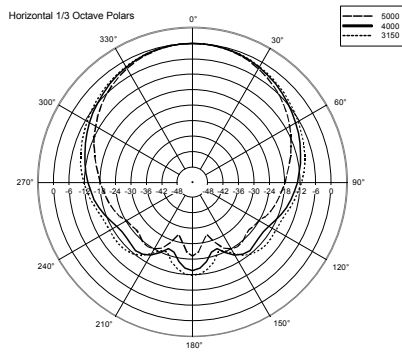
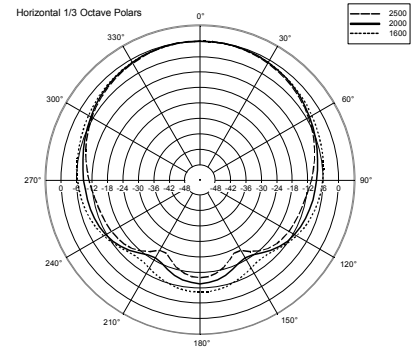
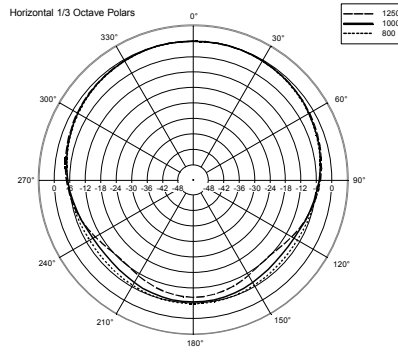
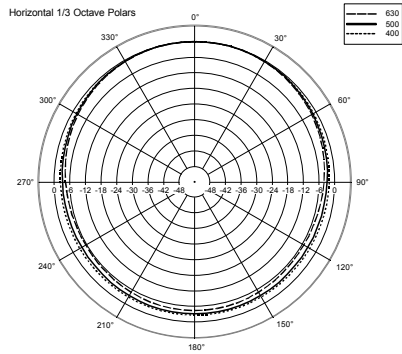


Normalized Vertical off-axis Response

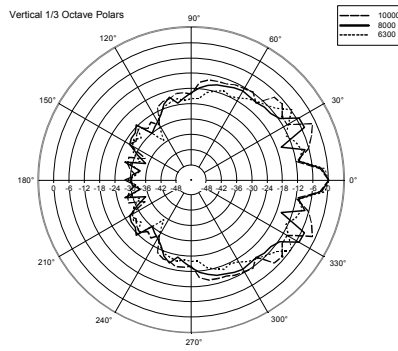
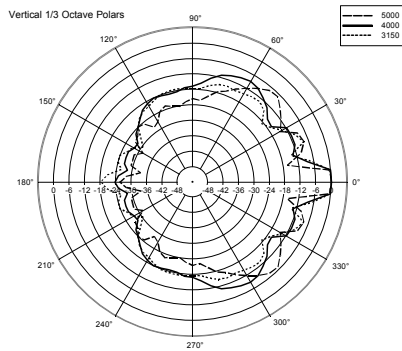
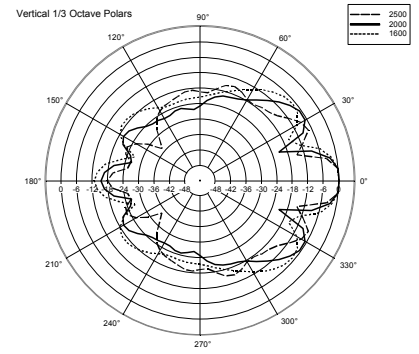
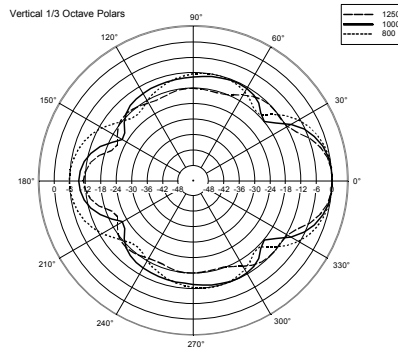
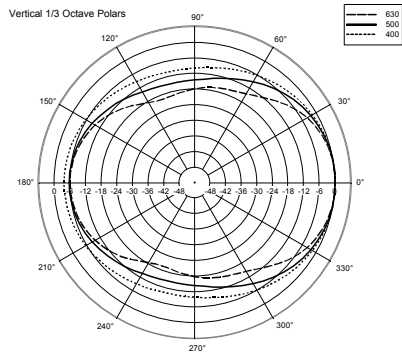


CS 6520

HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT

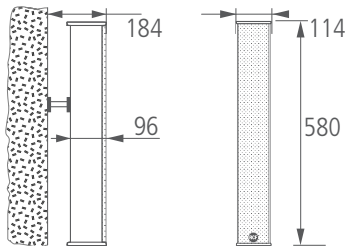


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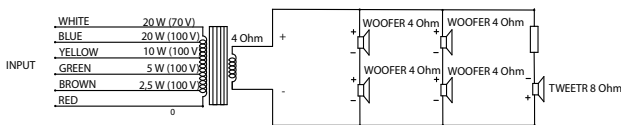
PART NUMBERS

13150005

DIMENSIONS (All data are in mm)



SCHEMATICS



POWER SELECTION

Set the rotary switch to selected the chosen power value referring to the 100 V line (among 2,5 W – 5 W – 10 W – 20 W) so the correspondence impedance (among 4000 Ω – 2000 Ω – 1000 Ω – 500 Ω)

RCF CS6520 LINEAR SPEAKER ARRAY
WEATHER RESISTANT IP66

CONNECTION DIAGRAM VOLTAGE/POWER

Common wire	Line wire	POWER	
		100V	70V
Red	White	N.C.	20W
	Blue	20W	10W
	Yellow	10W	5W
	Green	5W	2.5W
	Brown	2.5W	1.25W

Made in Taiwan

CERTIFICATIONS AND APPROVALS

- CE comply with European Community Directive 73/23/EEC and 93/768/EEC
- Self-Extinguishing plastic according to UL 94V0
- Environmental protection IP 66 homologation
- Speaker data according to IEC 268-5
- Safety according to IEC EN 60065:2002

ACCESSORIES (included)

- Orientable support for wall
- Steel Grill

INSTALLATION NOTES

Installation of the CS 6520 is quick thanks to accessories are included. These have been engineered to keep the column as close as possible to the wall and simplify the installation.

Using the two hinges of the support, orient the speaker in the desired direction and use the special Allen wrench to tighten the two nuts.

Connections to the loudspeaker line are made by using the six wire cable (1 meter length) coming out from the loudspeaker rear side.

The enclosure is constructed of extremely sturdy body in extruded Aluminium with robust steel grill.

