

HD 410-T

ALUMINIUM HORN SPEAKER WITH DRIVER



MAIN APPLICATIONS

- Car parking
- Bathing establishment
- Stadium
- Funny resort

DESCRIPTION

The HD 410/T Paging Horn Speaker, rated at 50 W, is designed especially for outdoor applications.

They are designed to provide high efficiency and characterized by the high intelligibility of the reproduced sound with low distortion.

The speaker component are compression driver with a polyimide diaphragm to prevent deformation from heat and improve low frequency characteristics. 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 50 W, 30 W, 25 W or 15 W through a rotary switch (thanks to internal transformer taps).

MAIN FEATURES

- 50 / 75 Watt (RMS/Music Power)
- 180 Hz ÷ 7 kHz
- 130 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Power rotary switch
- Low frequency protection: High pass filter 6 dB/oct.
- Easy to install
- Simple power settings

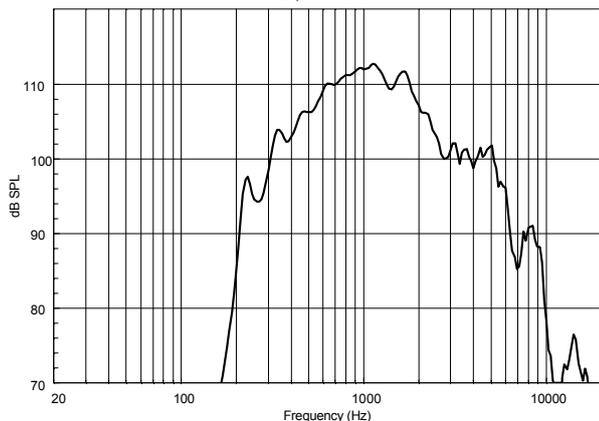
SPECIFICATIONS

Loudspeaker	Round, with driver unit and transformer
Power (on 8 Ohm load)	50 / 75 W (RMS / Music power)
Power	50 W - 30 W - 25 W - 15 W (100V)
Sensitivity	112 dB (1 W / 1 m)
Mx. SPL	130 dB(A) (1 m / POWER MAX)
Frequency Response	180 Hz – 7 kHz
Angle of coverage	90°
Connector	2 conductor cable
Body colour	Grey RAL 7035
Main body material	Aluminium
Connection cable length	1 meter
Dimensiones	Ø 410 mm x 385 mm
Installation	"U" Bracket stainless steel
Max wall distance	42 mm
Net weight	4.1 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing

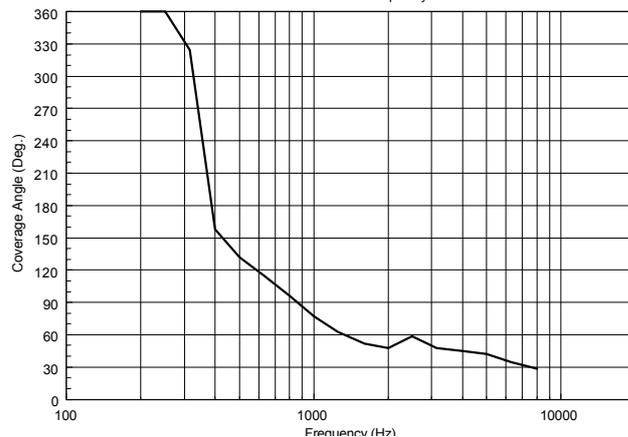


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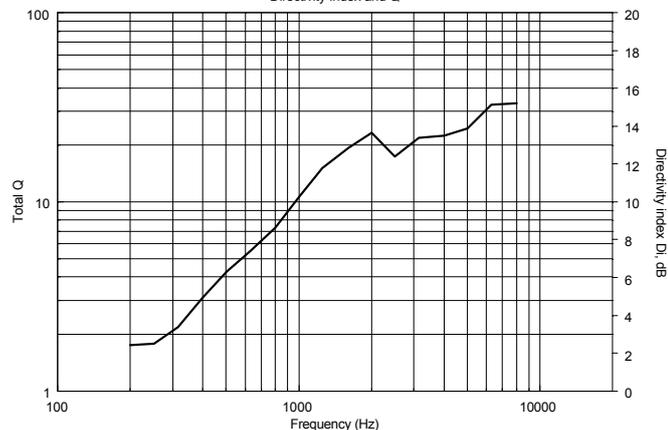
Response 1W/1m



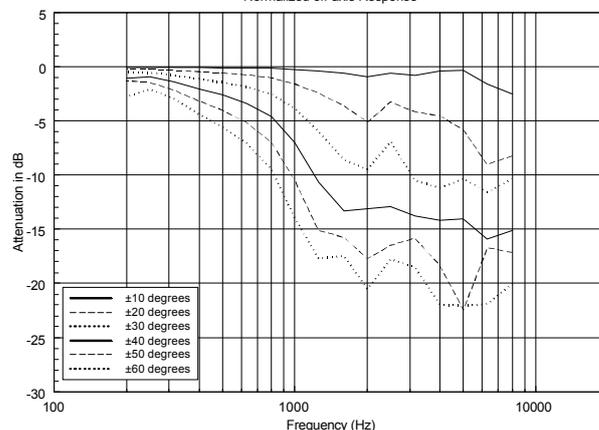
Beamwidth vs. Frequency



Directivity Index and Q



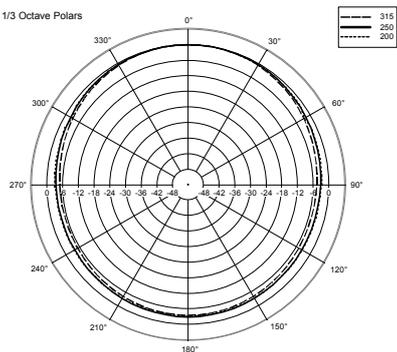
Normalized off-axis Response



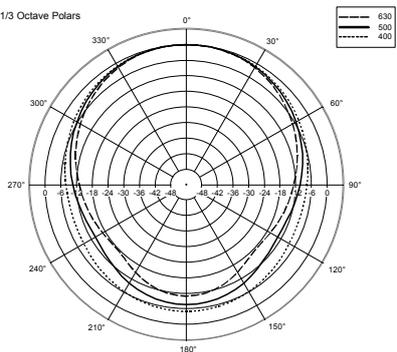
HD 410-T

HORIZONTAL 1/3 POLAR PLOT

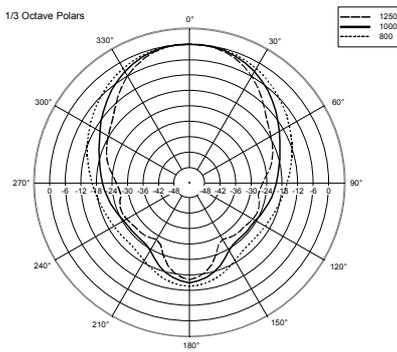
1/3 Octave Polars



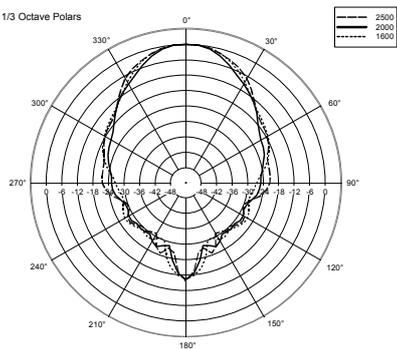
1/3 Octave Polars



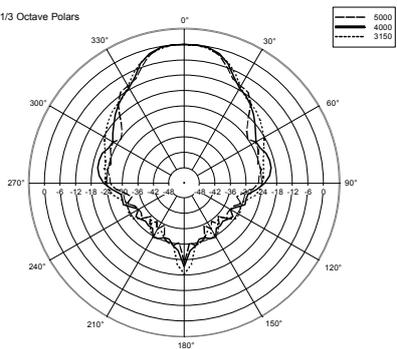
1/3 Octave Polars



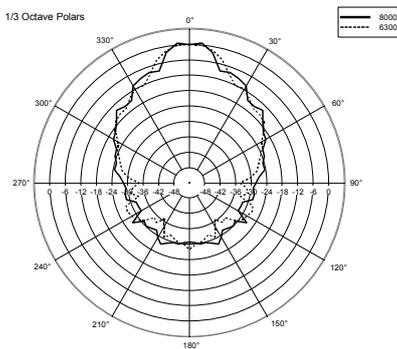
1/3 Octave Polars



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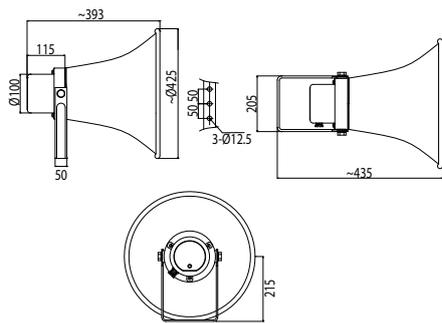


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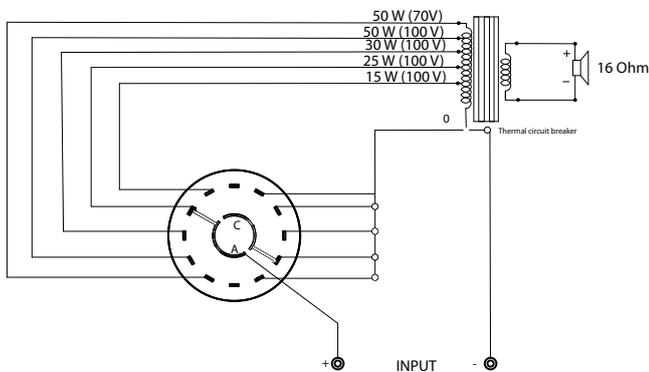
PART NUMBERS

13133041

DIMENSIONS (All data are in mm)



SCHEMATICS

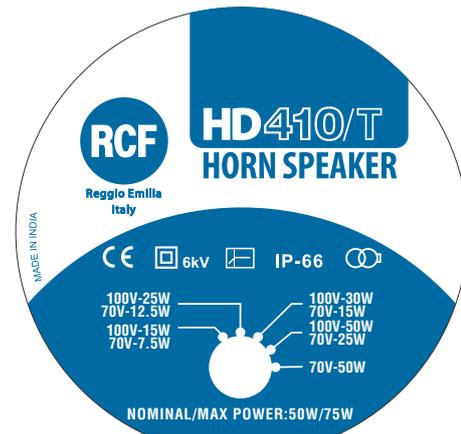


INSTALLATION NOTES

Installation of the HD 410/T is quick thanks to the unique bracket for attachment to the support structure using the holes on the base. By rotating the speaker body, you can aim it to the desired direction. The mounting bracket, bracket holder and the horn flare are in aluminium and external hardware (screws, bolts, nuts) are made of stainless steel. All of these factors combine to ensure the speaker's excellent weatherproofing and corrosion resistance. Connections to the loudspeaker line are made by using the four wire cable (1 meter length) coming out from the loudspeaker rear side. In addition, the external horn flare is made of aluminium which is more shock-resistant than resin. The rear cover is constructed of high density UV resistant self-extinguishing polystyrene.

POWER SELECTION

Set the rotary switch to selected the chosen power value referring to the 100 V line (among 15 W - 25 W - 30 W - 50 W) so the correspondence impedance (among 666 Ω - 400 Ω - 333 Ω - 200 Ω).



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)

- U Bracket stainless steel