

HD 310-T

ALUMINIUM HORN SPEAKER WITH DRIVER



MAIN APPLICATIONS

- Car parking
- Bathing establishment
- Stadium
- Funny resort

DESCRIPTION

The HD 310/T Paging Horn Speaker, rated at 30 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 30 W, 20 W, 15 W, 10 W or 5 W through a rotary switch (thanks to internal transformer taps).

MAIN FEATURES

- 30 / 45 Watt (RMS/Music Power)
- 240 Hz ÷ 10 kHz
- 123 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

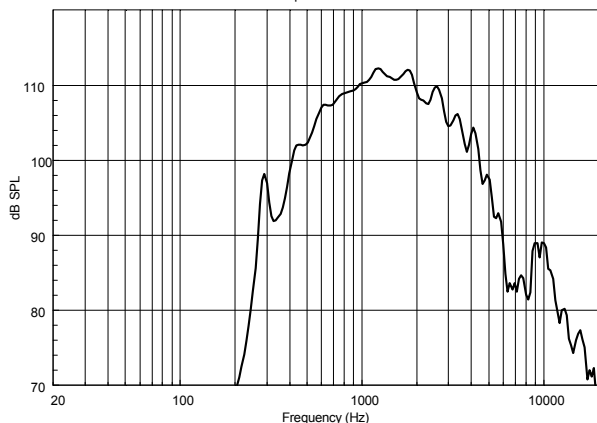
SPECIFICATIONS

Loudspeaker	Round, with driver unit and transformer
Power (on 8 Ohm load)	30 / 45 W (RMS / Music power)
Power	30 W - 20 W - 15 W - 10 W - 5 W (100V)
Sensitivity	108 dB (1 W / 1 m)
Mx. SPL	123 dB(A) (1 m / POWER MAX)
Frequency Response	240 Hz – 10 kHz
Angle of coverage	80°
Connector	2 conductor cable
Body colour	Grey RAL 7035
Main body material	Aluminium
Connection cable length	1 meter
Dimensiones	Ø 310 mm x 315 mm
Installation	"U" Bracket stainless steel
Max wall distance	77 mm
Net weight	3.1 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing

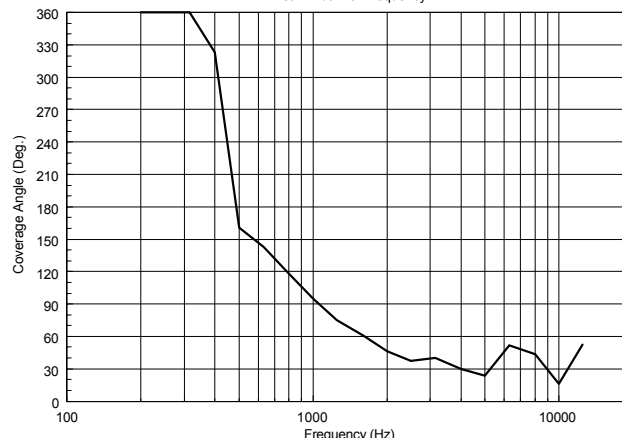


HD 310-T

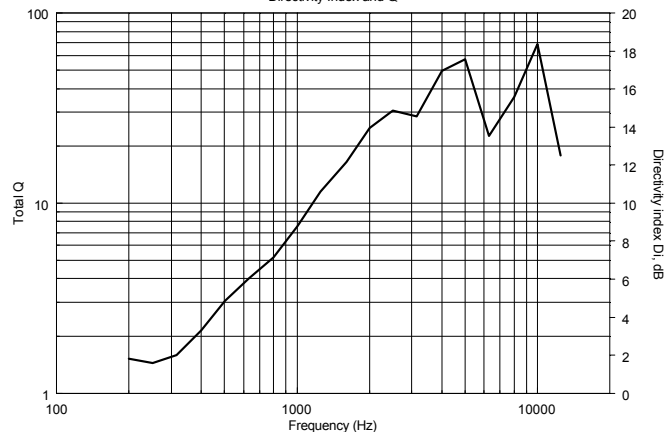
Response 1W/1m



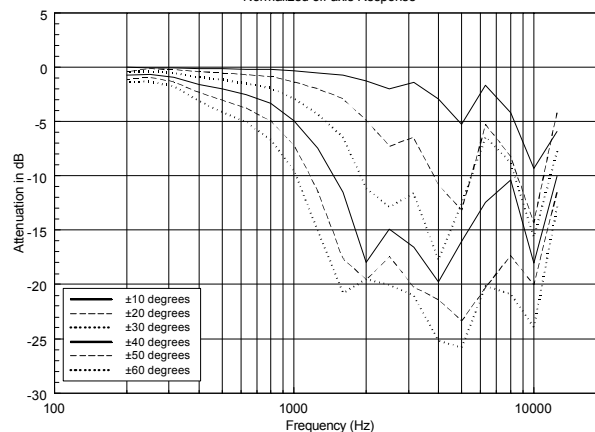
Beamwidth vs. Frequency



Directivity Index and Q



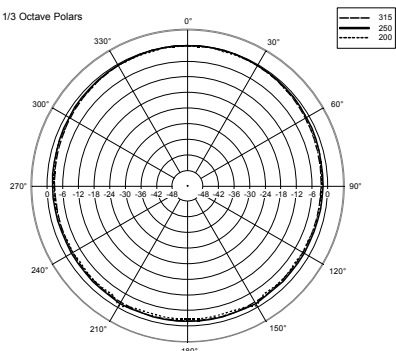
Normalized off-axis Response



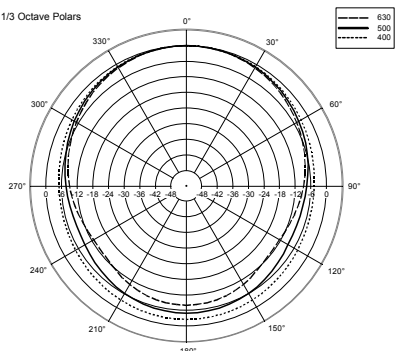
HD 310-T

HORIZONTAL 1/3 POLAR PLOT

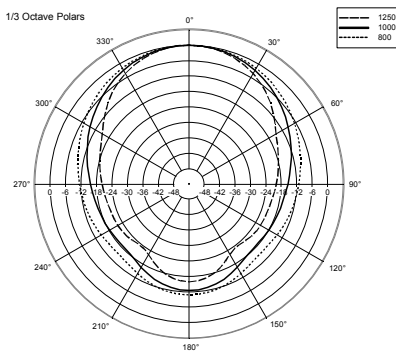
1/3 Octave Polars



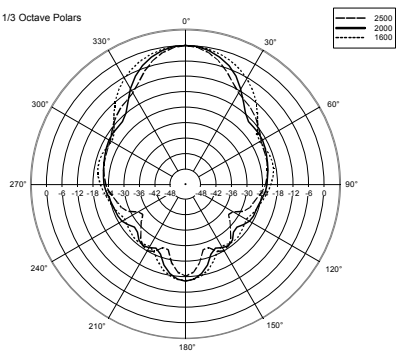
1/3 Octave Polars



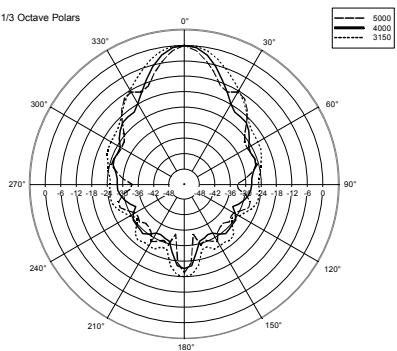
1/3 Octave Polars



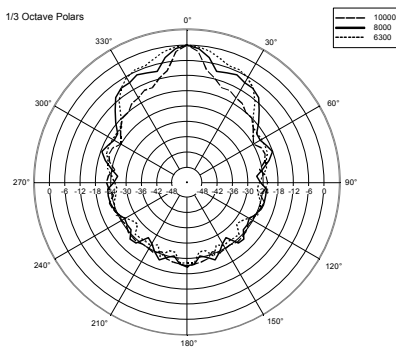
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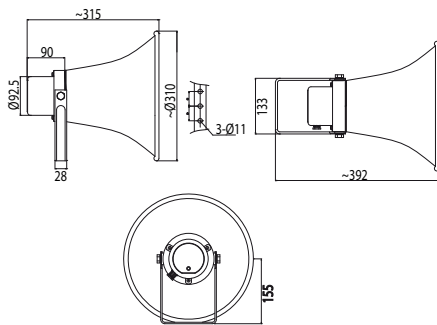


HD 310-T

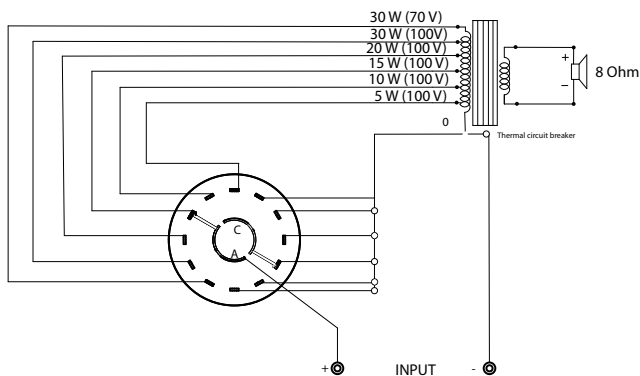
PART NUMBERS

13130001

DIMENSIONS (All data are in mm)



SCHEMATICS



INSTALLATION NOTES

Installation of the HD 310/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

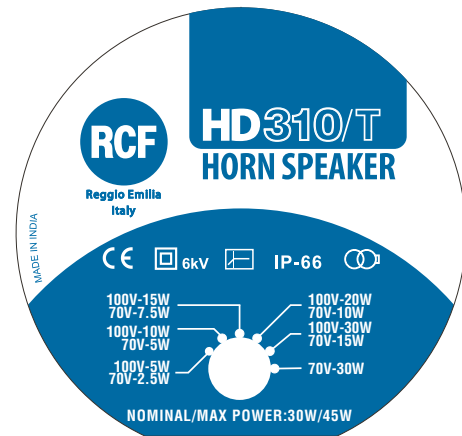
Connections to the loudspeaker line are made by using the four wire cable (1 meter length) coming out from the loudspeaker rear side.

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 5 W - 10 W - 15 W - 20 W - 30 W) so the correspondence impedance (among 2000 Ω - 1000 Ω - 666 Ω - 500 Ω - 333 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

