



PROFESSIONAL LOUDSPEAKERS

# CLOUD12 SUB / CLOUD12 SUB T CEILING MOUNT SPEAKER



## SPECIFICATIONS (See notes 1 and 2)

**Loudspeaker Type:** Ceiling mount subwoofer  
**Operating Range:** 45 Hz - 150 Hz  
 50 Hz - 100 Hz (+/-1.5dB)  
**Max Input Ratings** 200 W Continuous, 500 W Program  
 35 volts RMS, 77 volts momentary peak  
 Transformer taps with 70 V / 100 V option  
 200 / 100 / 50 / 25 watts

**Recommended Power Amplifier:**  
 420W to 600W @ 6 Ohms

**Sensitivity 1W/1m:** 89 dB SPL (50 Hz - 100 Hz 1/3 octave bands)  
 Free space with BB3

**Maximum Output:** 112 dB SPL(continuous level)  
 119 dB SPL (peak)

**Nominal Impedance:** 6 Ohms

**Minimal Impedance:** 4.5 Ohms @ 70 Hz

**Nominal -6dB Beamwidth:** 360° H x 180°V

**Axial Q / Di:** 1/0, 40Hz - 150Hz

**Crossover:**Internal passive 120 Hz, 12 dB low pass

**Recommended Signal Processing:**  
 45 Hz 24dB/Oct high pass filter

**Drivers:** LF (1) 12" Cool-coil

**Driver Protection:** None

**Input Connection:** screw terminals

**Controls:** None

**Enclosure:** None

**Mounting / Rigging Provisions:**

(4) Standard baffle mounting provided with 4 mounting screws

**Grille:** None

**Required Accessories:** Backbox, High pass filter

**Supplied Accessories:** None

**Optional Accessories:** Grille/Backbox (BB3)

**Dimensions:**

**Length SUB:**14.625"/371.48mm      **SUB-T:**14.625"/371.48mm

**Width SUB:** 14.625"/371.48mm      **SUB-T:**14.625"/371.48mm

**Height SUB:** 8.50"/215.9mm      **SUB-T:** 8.50"/215.9mm

**Weight SUB:** 18.6 lbs / 8.4 kg

**Weight SUB-T:** 23.1 lbs / 10.5 kg

**Shipping Weight SUB:** 23.0 lbs / 10.4 kg

**Shipping Weight SUB-T:** 27.5 lbs / 12.5 kg

**1. Sensitivity:** Free field pink noise measurement at 4 ft / 1.2 m at 75% power; extrapolated to 1 meter and an input of 2.4 volts RMS.

**2. Watts:** All wattage figures are calculated using the rated nominal impedance.

## APPLICATIONS:

- The CLOUD 12SUB/SUB T ceiling Subwoofer assembly configured to install into standard 12" ceiling backboxes.
- The CLOUD 12SUB/SUB T includes a high quality, low insertion loss dual transformer package for use with 70.7 V and 100 V distributed line systems. The top tap is 200 watts.
- The CLOUD 12SUB/SUB T are mounted on an integral baffle and are designed to match industry standard mechanical specification the design allows mounting a grille or backbox as desired.

## FEATURES:

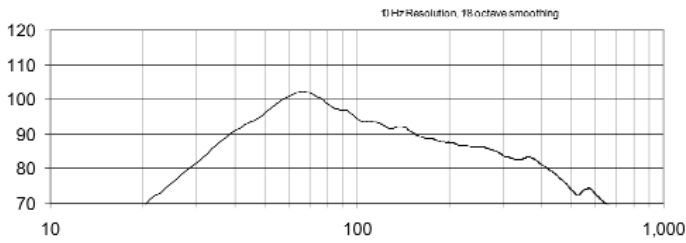
- Rugged 12" cast frame LF driver
- Tuned, ported bass reflex design optimized for 3cubic foot back box
- Powerful 200 W Continuous, 500 W Program
- Five-Year Warranty

## DESCRIPTION

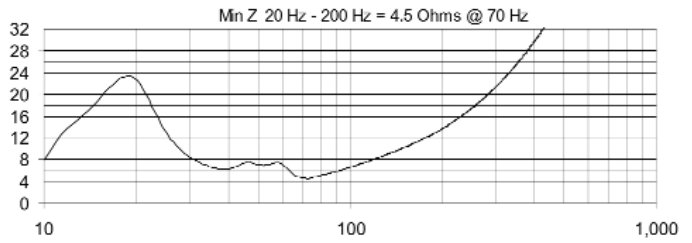
The CLOUD 12SUB/SUB T is a powerful ceiling subwoofer assembly with a single 12" cast frame low frequency driver. The CLOUD Series is designed ceiling applications requiring higher power handling and low distortion combined with smooth response.

CLOUD Coaxial Ceiling Systems are mounted on an integral baffle. They are easily matched with industry standard backboxes, grilles and tile bridges. The CLOUD 12SUB is designed for standard 8 ohm operation. The CLOUD 12SUB T includes a transformer package with taps at 200 / 100 / 50 / 25 watts for 70.7 V / 100 V operation.

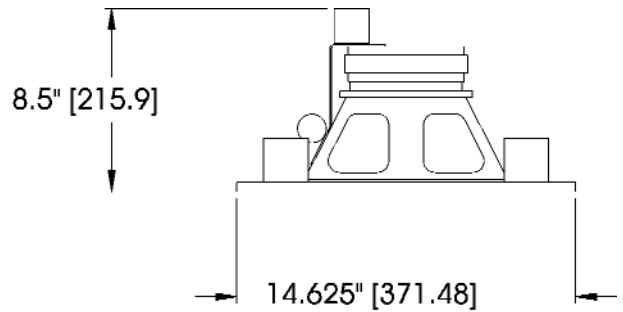
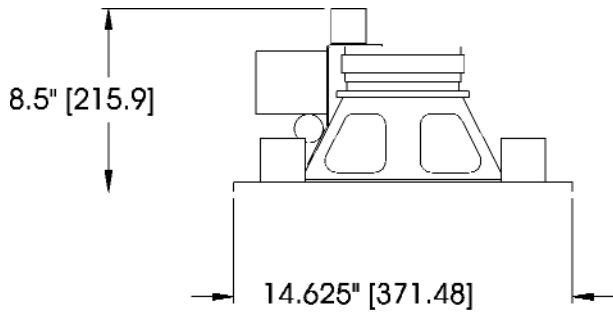
**FREQUENCY RESPONSE**



**IMPEDANCE**



**DIMENSIONS**



**ARCHITECTS' AND ENGINEERS' SPECIFICATIONS**

The loudspeaker system shall be a bass reflex, design consisting of one 12" long excursion woofer. The input connection shall be screw terminals. The loudspeaker system shall have an amplitude response of 50Hz-100 Hz (+/- 1.5 dB SPL), an input capacity of 200W (70V/100V), 89 dB SPL sensitivity @ 2.4V / 1 meter at a nominal 6 Ohm impedance. The nominal dispersion shall be omnidirectional. The dimensions of the system are defined as ?X?X?" (HWD) at a weight of ?lbs.