

# Quam

## C10 Series

### Loudspeaker/Transformer/Baffle Pre-assembled Combinations



## Features

- All units fully assembled with hardware
- One piece baffle construction
- Volume control option
- In stock for immediate shipment

These assemblies feature the model 8C10PAX 8" dual-cone loudspeaker with a 10 oz. ceramic magnet, a 25, 70 or 25/70 volt transformer, and a choice of several baffles. The constant voltage line transformers have taps ranging from 1/4 to 5 watts and are supplied with 8-ohm secondary connectors. The

ceiling baffles feature one piece construction to virtually eliminate vibration and fit most recessed enclosures, including Quam ERD-8 series backboxes as well as plaster rings and Quam SSB-2 and SSB-3 tile support bridges. All units come fully assembled with mounting hardware.

#### HOW TO SPECIFY C10 SERIES AND OTHER BAFFLE ASSEMBLIES

Quam baffle assemblies are identified through a three or four-part model number of component codes. The first group of digits indicates the speaker, the second group indicates the transformer, the third group indicates the baffle and the fourth group (optional) indicates the volume control.

#### LOUDSPEAKER

| COMPONENT CODE | MODEL NO. | SIZE (INCHES) | POWER RATING | CONE | MAGNET WEIGHT | FREQUENCY RESPONSE |
|----------------|-----------|---------------|--------------|------|---------------|--------------------|
| C10X           | 8C10PAX   | 8"            | 16 W         | DUAL | 10 oz.        | 60-16Kz            |

#### TRANSFORMER

| COMPONENT CODE | MODEL NO. | POWER RATING | INSERTION LOSS | PRIMARY VOLTAGE | PRIMARY TAPS                   |
|----------------|-----------|--------------|----------------|-----------------|--------------------------------|
| B25            | TBL25     | 4W           | < 1 dB         | 25              | 1/4 - 1/2 - 1 - 2 - 4          |
| B70            | TBL70     | 4W           | < 1 dB         | 70.7            | 1/4 - 1/2 - 1 - 2 - 4          |
| BU             | TBLU      | 5W           | < 1 dB         | 25 & 70         | 5/16 - 5/8 - 1 1/4 - 2 1/2 - 5 |

#### BAFFLE

| COMPONENT CODE | MODEL NO. | MATERIAL | TYPE     | FINISH            |
|----------------|-----------|----------|----------|-------------------|
| A              | BR8A      | ALUMINUM | ONE-STEP | BRUSHED           |
| W              | BR8W      | STEEL    | ONE-STEP | BAKED WHITE EPOXY |
| WC             | BR8WC     | STEEL    | TWO-STEP | BAKED WHITE EPOXY |
| WP             | BR8WP     | PLASTIC  | LOUVERED | WHITE             |

#### VOLUME CONTROL

| COMPONENT CODE | CONTROL    | RATING | MOUNTING         |
|----------------|------------|--------|------------------|
| VK             | WHITE KNOB | 50 ohm | CENTER OF BAFFLE |
| VS             | RECESSED   | 50 ohm | CENTER OF BAFFLE |

## Architects & Engineers Specifications

Loudspeakers shall be an 8" molded fiber cone with a propagator mounted directly to the voice coil assembly to extend high frequency response. The loudspeaker shall use a 10-ounce ceramic magnet. Flux density shall be 9,500 Gauss minimum. Frequency response of the speaker shall be 60 Hz to 16KHz with a power handling capability of 16 watts RMS referenced to EIA standard 426A. Voice coil diameter shall be 1" and shall have a nominal impedance of eight ohms. Axial sensitivity of the speaker shall be not less than 96

dB at a distance of one meter with one watt of source power applied. An integral constant voltage line transformer mounted to the loudspeaker basket shall be included. A one-step (two-step) (louvered) round, contoured baffle shall be included as part of the assembly. Speaker baffles shall be (zinc treated steel and coated with a white powder epoxy finish) (brushed aluminum) (white plastic). Loudspeaker and baffle units shall be factory assembled to maintain standard assembly procedures with minimal variances.



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