

Quam

8" SPECIAL APPLICATION SPEAKERS

Flame-retardant, Moisture proof, 
 Dual voice coil, Intercom 

16 COMMUNICATIONS



Features

- Fire Retardant for Demanding Applications
- Moisture Resistant for Outdoor Applications
- Dual Voice Coil Models with Two Transformer Capability
- 45 ohm Intercom for New or Existing Retrofit Applications

Quam's broad range of special application loudspeakers provide versatility for a variety of applications that involve specific installation parameters. Included in this series are flame-retardant and moisture proof speakers used in fire-resistant applications or outdoors. Dual voice coil models offer two distinct voice coils and mounting capacity for two separate transformers to accommodate two audio feeds with one device. Intercom models are designed for replacement of existing 45 ohm intercom system speakers. Any of these speakers can be ordered premounted with one of six matching transformers and one of eleven ceiling baffles. The special

application loudspeakers feature barium ferrite ceramic magnets which are generally preferred for sound system speaker applications. They permit a shallower construction, as well as more magnetic energy per dollar, resulting in better cost/efficiency ratio. All Quam speakers are characterized by rugged construction, trouble-free operation and excellent sound reproduction. They feature precision centered voice coils, and heavy gauge metal baskets and magnets. Each speaker has transformer mounting facilities. Every Quam speaker is made to EIA standards and carries the EIA service guarantee.

Architects & Engineers Specifications

The speaker shall be a Quam Model (see chart), a permanent magnet type using (see chart) ounces of ceramic. It shall be capable of handling (see chart) watts of audio power and capable of producing an audible frequency response over a range of (see chart) The voice coil impedance shall be (see chart) ohms at 400 Hz

with a voice coil diameter of 1 inch. It shall have a one-piece stamped steel frame with an outside diameter of 8 inches and shall have 4 equally spaced mounting holes in a 7-5/8 inch bolt circle. The overall depth shall be (see chart) inches. The finish shall be baked enamel.

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Quam-Nichols Company
 234 East Marquette Road • Chicago, IL 60637
 (773) 488-5800 • FAX (773) 488-6944



Member



TS-2B

QUAM 8" SPECIAL APPLICATIONS SPEAKERS SPECIFICATIONS

Model	Flame Retardant 8C10PAFR	Moisture Proof 8C10PAOT	Intercom 8C10Z45	Dual Voice Coil 8C10DVPAX*
MAGNET				
Weight, oz	10	10	10	10
Material	Ceramic	Ceramic	Ceramic	Ceramic
Structure Wt. lbs	2	2	2	2
Flux Density Gauss	9K	9K	10K	7K
Voice Coil Impedance Ohms	8-10	8-10	45	8-10
D.C. Resistance	7.4	7.4	43	7.7-7.7
Diameter, In.	1	1	1	1
ELECTRICAL				
Power Handling Watts	15	15	12	15
Frequency Resp.	60-12K	80-8K	70-12K	60-12K
Resonant Frequency, Hz	110	90	90	100
Sensitivity, dB	95	95	95	90
MECHANICAL				
Depth, Inches	3	3-1/4	3	3-1/8
Transformer Mounting In.	1.983, 2.390, 2.720	1.983, 2.390 2.720	1.983, 2.390 2.720	(2) 1.983, 2.390 (1) 2.720
Mounting Hole Circle, In.	7.58	7.58	7.58	7.58
Number of Mounting Holes	4	4	4	4
Baffle Opening Inches	7	7	7	7
Net Weight lbs.	2-1/2	2-1/2	2-1/2	2-1/2
Basket Style	PC	PC	PC	PC
Cone	Single Flame Retardant	Single	Single	Dual

*Has mounting facilities for two transformers.