2 INCH X 3.5 INCH (50 MM X 90 MM) MEDICAL VENTILATOR ALARM SPEAKER

PART #: REN23S-8A

The REN23S-8A is a speaker precisely engineered to meet the critical demands of medical and aerospace signaling. Its unparalleled reliability makes it the perfect choice for devices in life-saving situations where clear and consistent signals are essential. This speaker's 8-ohm configuration delivers robust and dependable audio output, making it suitable for in-cabin communication and life-saving equipment.

The slim steel frame and powerful neodymium magnet ensure a robust audio output from a compact form, perfect for installation within the constricted confines of advanced equipment. The speaker's sturdy design and 10-inch lead set make it easy to install, providing dependable performance when every second counts.

- Unmatched reliability for critical medical and aerospace signaling
- 8-ohm configuration for precise and consistent signals
- Slim steel frame and powerful neodymium magnet for a compact form
- Sturdy design and 10-inch lead set for easy installation and dependable performance.

MISCO engineers use the world's most sophisticated loudspeaker measurement systems, including the Klippel Analyzer, to maximize and confirm the speaker's design and the Klippel QC module to ensure perfect unit-to-unit consistency and reliability.



Primary Specifications

Size, Nominal (inch & mm)	2" Oval (50 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	82
Frequency Range (Hz)	300 - 10, 000
Resonant Frequency (Fs) (Hz) +/- 15%	354

©2026 MISCO/Minneapolis Speaker Company Inc.

2 INCH X 3.5 INCH (50 MM X 90 MM) MEDICAL VENTILATOR ALARM SPEAKER

PART #: REN23S-8A

More Specifications

Application	Indoor, Medical, Signal / Alarm Systems, Voice Communications
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	6.2
Program Power (W)	12

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	6.2
Resonant Frequency (Fs) (Hz) +/- 15%	354
Mechanical Q Factor (Qms)	4.8
Electrical Q Factor (Qes)	2.2
Total Q Factor (Qts)	1.50

Material Descriptions

Basket Type	Stamped steel
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Neodymium
Cone Body Material	Paper
Cone Surround Material	Paper
Dust Cap Material	Paper
Net Weight (kg)	0.09





©2026 MISCO/Minneapolis Speaker Company Inc.