8NSM64

ND MIDRANGE

500 W
continuous program power capacity

64 mm (2.52 in)
aluminium voice coil

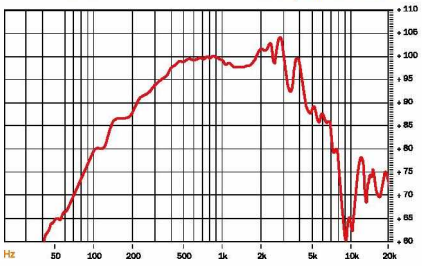
Ideal for Direct Radiation and Horn Loaded Midrange application

100 dB
sensitivity

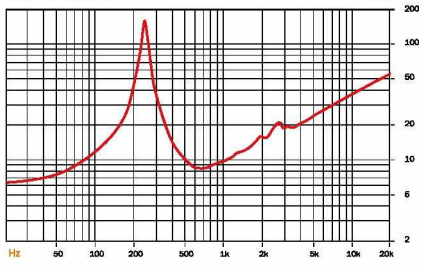
245 - 2000 Hz
response

Aluminium demodulating ring for very low distortion

SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	8.2 Ω
Power Handling	
Nominal (AES)[1]	250 W
Continuous Program[2]	500 W
Sensitivity (1W/1m)[3]	100 dB
Frequency Range	245 - 2000 Hz
Voice Coil Diameter	64 mm (2.52 in)
Winding Material	Aluminum
Former Material	Glass Fibre
Winding Depth	13 mm (0.51 in)
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.55 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Front Side

Also available in 16 Ω, data upon request

THIELE & SMALL PARAMETERS[4]

Fs	245 Hz
Re	5.7 Ω
Qes	0.35
Qms	9.3
Qts	0.34
Vas	1.5 dm^3 (0.05 ft^3)
Sd	220 cm^2 (34.1 in^2)
η_0	4.5 %
X max	± 2.0 mm
X var	± 1.7 mm
Mms	19 g
Bl	22 T·m
Le	0.6 mH
EBP	700 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	239 mm (9.41 in)
Bolt Circle Diameter	222 mm (8.74 in)
Baffle Cutout Diameter	200 mm (7.87 in)
Depth	115 mm (4.53 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air volume occupied by driver	3.5 dm^3 (0.12 ft^3)
Net Weight	4.85 kg (10.69 lb)
Shipping Weight	5.45 kg (12.02 lb)
Shipping Box	295x314x175 mm (11.61x12.36x6.89 in)
Service kit	RCK008NSM64-8

[1] Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

[2] Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

[3] Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.

[4] Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.