

12FHx76

FE COAXIAL



700 W
continuous program
power capacity

60° x 40°
nominal coverage

Modified exponential
horn flare for improved
acoustic loading
and controlled coverage

98 dB
sensitivity

45 - 18000 Hz
response

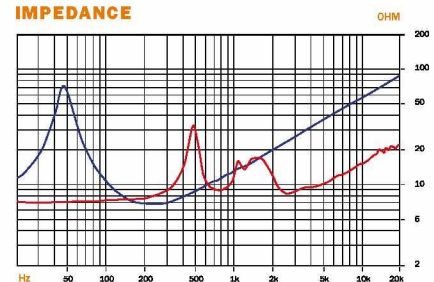
Single ferrite
magnet assembly



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nom. Diameter	320 mm (6.5 in)
Nom. Impedance	8 Ω
Minimum Impedance	6 Ω (LF), 7.8 Ω (HF)
Frequency Range	45 - 18000 Hz
Dispersion Angle ¹	60° x 40°
Magnet Material	Ferrite Ring
Waterproof cone treatment	Front side
LF UNIT	
Sensitivity (1W/1m) ²	98 dB
Power Handling Nom. (AES) ³	350 W
Continuous Program ⁴	700 W
Voice Coil Diameter	76 mm (3 in)
Winding Material	Copper
Flux Density	1.0 T
Former Material	Glass Fibre
Winding Depth	16.5 mm (0.65 in)
Magnetic Gap Depth	8.0 mm (0.31 in)

HF UNIT

Sensitivity (1W/1m) ²	106 dB
Power Handling Nom. (AES) ³	80 W
Continuous Program ⁴	160 W

Voice Coil Diameter	75 mm (3 in)
Winding Material	Aluminium
Diaphragm Material	Titanium
Recommended Crossover ⁵	1.2 kHz
Flux Density	1.8 T
Inductance	0.14 mH

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	315 mm (12.4 in)
Bolt Circle Diameter	298 mm (11.7 in)
Baffle Cutout Diameter	284 mm (11.14 in)
Depth	169 mm (6.65 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Net Weight	8.5 kg (18.7 lb)
Shipping Weight	10.3 kg (22.7 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

Also available in 4 Ω, data upon request
Also available 12FCX76 (without horn/ 80° disp.)

¹ 1 Included by -6 dB down points.
² Applied RMS Voltage is set to 2.83V.
³ LF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Loudspeaker in free air.

HF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. LF and HF Power calculated on rated minimum impedance.

THIELE & SMALL PARAMETERS

Fs	48 Hz
Re	5.2 Ω
Qes	0.36
Qms	5.4
Qts	0.33
Vas	88 dm ³ (3.1 ft ³)
Sd	522 cm ² (80.9 in ²)
η ₀	2.7 %
X max	± 6.5 mm
X var	± 4 mm
Mms	47 g
Bl	14.4 T·m
Le	1.6 mH
EBP	133 Hz

Service kit LF	RCK12FHx76-8
Service kit HF	MMD3BTN-8M

⁴ Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
⁵ 12 dB/oct. or higher slope high-pass filter.