

# 15FCX76

## FE COAXIAL



**800 W**  
continuous program  
power capacity

**80°**  
nominal coverage

Single ferrite  
magnet assembly

**98 dB**  
sensitivity

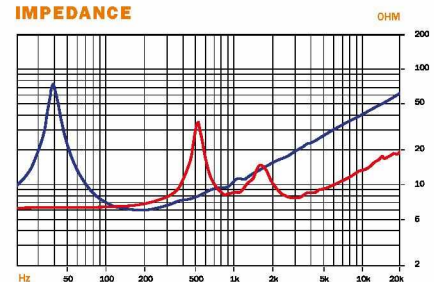
**40 - 18000 Hz**  
response



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nom. Diameter	380 mm (6.5 in)
Nom. Impedance	8 Ω
Minimum Impedance	6 Ω (LF), 7.8 Ω (HF)
Frequency Range	40 - 18000 Hz
Dispersion Angle <sup>1</sup>	80°
Magnet Material	Ferrite Ring
Waterproof cone treatment	Front side
<b>LF UNIT</b>	
Sensitivity (1W/1m) <sup>2</sup>	98 dB
Power Handling Nom. (AES) <sup>3</sup>	400 W
Continuous Program <sup>4</sup>	800 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) <sup>2</sup>	105 dB
Power Handling Nom. (AES) <sup>3</sup>	80 W
Continuous Program <sup>4</sup>	160 W

Voice Coil Diameter	75 mm (3 in)
Winding Material	Aluminium
Diaphragm Material	Titanium
Recommended Crossover <sup>5</sup>	1.2 kHz
Flux Density	1.9 T
Inductance	0.14 mH

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (16.7 in)
Baffle Cutout Diameter	353 mm (13.9 in)
Depth	199 mm (7.83 in)
Flange and Gasket Thickness	16 mm (0.62 in)
Net Weight	9 kg (19.8 lb)
Shipping Weight	9.7 kg (21.4 lb)
Shipping Box	500x495x275 mm (19.68x19.48x10.83 in)

Also available 15FHX76 (with 60°x 40° horn)

<sup>1</sup> 1 Included by -6 dB down points.  
<sup>2</sup> Applied RMS Voltage is set to 2.83V.  
<sup>3</sup> 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.

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

### THIELE & SMALL PARAMETERS

Fs	40 Hz
Re	5.2 Ω
Qes	0.47
Qms	8.3
Qts	0.44
Vas	187 dm <sup>3</sup> (6.6 ft <sup>3</sup> )
Sd	855 cm <sup>2</sup> (132.5 in <sup>2</sup> )
η <sub>0</sub>	2.5 %
X max	± 6.5 mm
X var	± 7.5 mm
Mms	87 g
Bl	15.6 T·m
Le	1.2 mH
EBP	85 Hz
Service kit LF	RCK15FCX76-8
Service kit HF	MMD3BTN-8M