



15FHX76

Coaxials - 15.0 Inches



98 dB sensitivity
800 W continuous program power capacity
60°x40° nominal coverage
40 - 18000 Hz response
Modified exponential horn flare for improved acoustic loading and controlled coverage
33 mm (1.3") HF unit exit diameter
Single Ferrite magnet assembly

Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance lf	6.0 Ω
Minimum impedance hf	7.5 Ω
Frequency range	40 - 18000 Hz
Dispersion angle ¹	60x40 °
Magnet material	Ceramic

Specifications LF Unit

LF Sensitivity ²	98.0 dB
LF Nominal Power Handling ³	400 W
LF Continuous Power Handling ⁴	800 W
LF Voice Coil Diameter	76 mm (3.0 in)
LF Winding Material	Copper

Specifications HF Unit

HF Sensitivity ⁵	107.0 dB
HF Nominal Power Handling ⁶	80 W
HF Continuous Power Handling ⁷	160 W
HF Voice Coil Diameter	75 mm (3.0 in)

Specifications HF Unit

HF Winding Material	Aluminium
Diaphragm material	Titanium
Recommended crossover ⁸	1.2 kHz

Parameters

Fs	40 Hz
Re	5.2 Ω
Qes	0.47
Qms	5.2
Qts	0.43
Vas	186.0 dm ³ (6.56 ft ³)
Sd	855.0 cm ² (132.5 in ²)
η_0	2.4 %
Xmax	6.5 mm
Xvar	7.0 mm
Mms	88 g
Bl	15.5 Txm
Le	1.5 mH
EBP	85 Hz

Mounting And Shipping Info

Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354 mm (13.94 in)
Depth	199 mm (7.83 in)
Flange and gasket thickness	16 mm (0.62 in)
Net weight	9.5 kg (20.9 lb)
Shipping units	1
Shipping weight	10.2 kg (22.5 lb)
Shipping box	446x439x253 mm (17.5x17.3x10 in)

Service Kit

Service kit lf	RCK15FHX768
Replacement diaphragm	MMD3BTN8M

1. Included by -6 dB down points.

2. Applied RMS Voltage is set to 2.83V.

3. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 2.83V.

6. 2 hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.

7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

8. 12 dB/oct. or higher slope high-pass filter.

