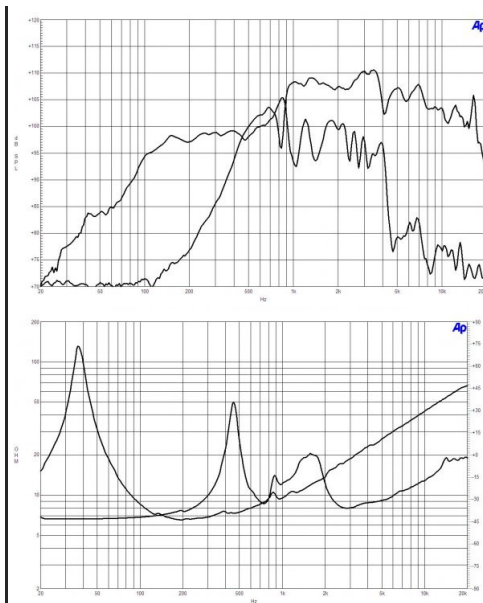




# 15HCX76

## Coaxials - 15.0 Inches



99 dB sensitivity  
Single Neodymium magnet assembly  
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

### Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 $\Omega$
Minimum impedance lf	6.0 $\Omega$
Minimum impedance hf	8.0 $\Omega$
Frequency range	40 - 18000 Hz
Dispersion angle <sup>1</sup>	60x40 °
Magnet material	Neodymium Ring

### Specifications LF Unit

LF Sensitivity <sup>2</sup>	99.0 dB
LF Nominal Power Handling <sup>3</sup>	400 W
LF Continuous Power Handling <sup>4</sup>	800 W
LF Voice Coil Diameter	76 mm (3.0 in)
LF Winding Material	Copper

### Specifications HF Unit

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

### Specifications HF Unit

HF Winding Material	Aluminium
Diaphragm material	Titanium
Recommended crossover <sup>8</sup>	1.2 kHz

### Parameters

Fs	38 Hz
Re	5.1 $\Omega$
Qes	0.3
Qms	5.8
Qts	0.28
Vas	246.0 dm <sup>3</sup> (8.6 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
$\eta_0$	3.7 %
Xmax	4.5 mm
Xvar	6.0 mm
Mms	82 g
Bl	17.8 Txm
Le	0.9 mH
EBP	126 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	200 mm (7.87 in)
Flange and gasket thickness	16 mm (0.62 in)
Net weight	5.6 kg (12.3 lb)
Shipping units	1
Shipping weight	7.0 kg (15.4 lb)
Shipping box	450x450x290 mm (17.7x17.7x11.4 in)

### Service Kit

Service kit lf	RCK15HCX768
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.

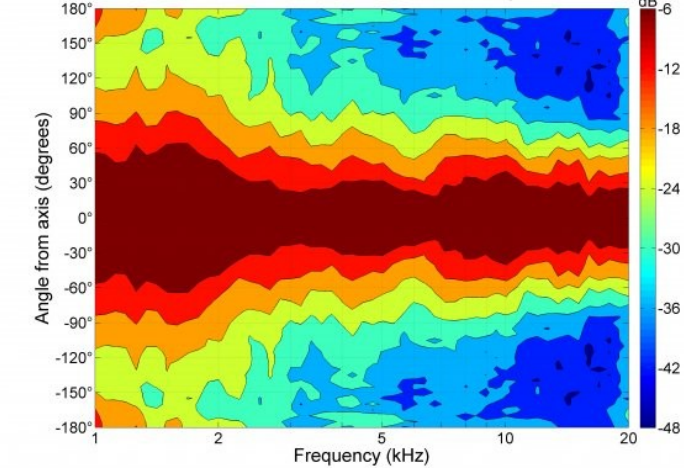
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 2.83V.

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.

15HCX76 HF horizontal directivity map



15HCX76 HF vertical directivity map

