

# 15CXN88

8Ω

Coaxials - 15.0 Inches



- 1000 W continuous program power capacity
- 80° nominal coverage
- 45 - 18000 Hz response
- 99 dB sensitivity
- Single Neodymium magnet assembly
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance

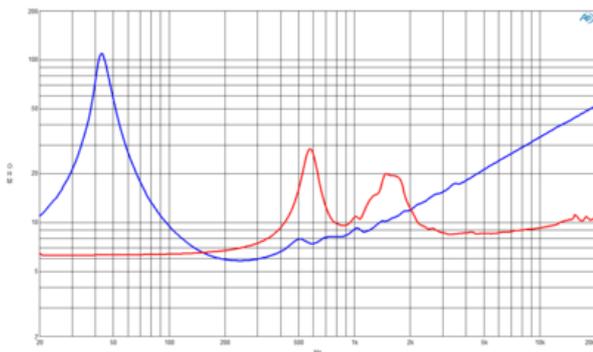
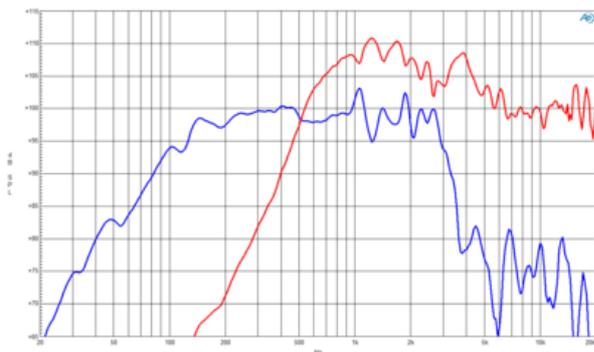


## DESCRIPTION

\*\* Preliminary Data \*\*

# 15CXN88

Coaxials- 15.0 Inches



## SPECIFICATIONS

Nominal Diameter	380 mm (15.0 in)
Nominal Impedance	8 Ω
Minimum Impedance LF	5.8 Ω
Minimum Impedance HF	8.5 Ω
Frequency Range	45 - 18000 Hz
Dispersion Angle <sup>1</sup>	80 °
Woofer Cone Treatment	WP Waterproof Front Side
Magnet Material	Neodymium Ring

## PARAMETERS

Resonance Frequency	46 Hz
Re	4.5 Ω
Qes	0.29
Qms	8.3
Qts	0.28
Vas	137.0 dm <sup>3</sup> (4.84 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.53 in <sup>2</sup> )
η <sub>o</sub>	4.3 %
X <sub>max</sub>	8.0 mm
X <sub>var</sub>	9.5 mm
M <sub>ms</sub>	91.0 g
Bl	20.2 Txm
Le	1.0 mH
EBP	158 Hz

## SPECIFICATIONS LF UNIT

LF Sensitivity <sup>2</sup>	99.0 dB
LF Nominal Power Handling <sup>3</sup>	500 W
LF Continuous Power Handling <sup>4</sup>	1000 W
LF Voice Coil Diameter	88 mm (3.5 in)
LF Winding Material	Aluminium
LF Flux Density	1.2 T
Former Material	Glass Fibre
Winding Depth	22.0 mm (0.87 in)
Magnetic Gap Depth	11.0 mm (0.43 in)

## MOUNTING AND SHIPPING INFO

Overall Diameter	392 mm (15.43 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	356 mm (14.02 in)
Depth	218 mm (8.58 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Net Weight	7.3 kg (16.09 lb)
Shipping Units	1
Shipping Weight	8.9 kg (19.62 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

## SPECIFICATIONS HF UNIT

HF Sensitivity <sup>5</sup>	105.0 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)
HF Winding Material	Aluminium
HF Flux Density	1.75 T
Diaphragm Material	Titanium
Recommended Crossover <sup>8</sup>	1.2 kHz
Inductance	0.14 mH

## SERVICE KIT

Service Kit LF	RCK15CXN888
Replacement diaphragm	MMD3DTN8M

- Included by -6 dB down points.
- Applied RMS Voltage is set to 2.83V.
- 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.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- Applied RMS Voltage is set to 2.83V.
- 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.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- 12 dB/oct. or higher slope high-pass filter.