

# 12NCX

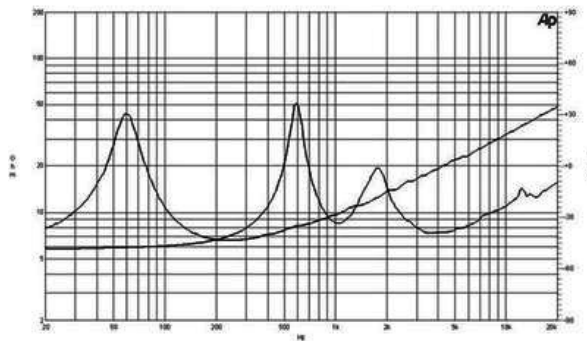
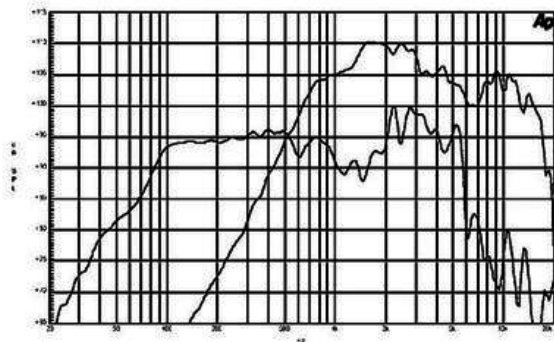
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Coaxials - 12.0 Inches



- 400 W continuous program power capacity
- 70° nominal coverage
- 60 - 18000 Hz response
- 96 dB sensitivity
- Single Neodymium magnet assembly
- 45.8 mm (1.8") HF unit exit diameter
- XO-6 dedicated crossover network





## SPECIFICATIONS

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance lf	6.6 Ω
Minimum impedance hf	7.3 Ω
Frequency range	60 - 18000 Hz
Dispersion angle <sup>1</sup>	70 °
Magnet material	Neodymium Ring

## PARAMETERS

Fs	59 Hz
Re	5.8 Ω
Qes	0.58
Qms	4.2
Qts	0.51
Vas	64.0 dm <sup>3</sup> (2.3 ft <sup>3</sup> )
Sd	522.0 cm <sup>2</sup> (80.9 in <sup>2</sup> )
η <sub>o</sub>	2.2 %
Xmax	3.0 mm
Xvar	6.0 mm
Mms	44 g
Bl	12.8 Txm
Le	1.2 mH
EBP	101 Hz

## SERVICE KIT

Service kit lf	RCK012NCX8
Replacement diaphragm	MMD6108M

## SPECIFICATIONS LF UNIT

LF Sensitivity <sup>2</sup>	96.0 dB
LF Nominal Power Handling <sup>3</sup>	200 W
LF Continuous Power Handling <sup>4</sup>	400 W
LF Voice Coil Diameter	65 mm (2.5 in)
LF Winding Material	Aluminium

## MOUNTING AND SHIPPING INFO

Overall diameter	316 mm (12.4 in)
Bolt circle diameter	296 mm (11.6 in)
Baffle cutout diameter	284 mm (11.2 in)
Depth	167 mm (6.6 in)
Flange and gasket thickness	13 mm (0.5 in)
Net weight	4.1 kg (9.0 lb)
Shipping weight	5.0 kg (11.0 lb)
Shipping box	380x380x240 mm (15x15x9.4 in)

## SPECIFICATIONS HF UNIT

HF Sensitivity <sup>5</sup>	106.0 dB
HF Nominal Power Handling <sup>6</sup>	50 W
HF Continuous Power Handling <sup>7</sup>	100 W
HF Voice Coil Diameter	65 mm (2.5 in)
HF Winding Material	Aluminium
Diaphragm material	Titanium
Recommended crossover <sup>8</sup>	1.2 kHz

## CROSSOVER

Model	XO-6
Filter Type	Two way
Nominal Impedance	8.0 Ω
Low-pass slope	12.0 dB/oct
High-pass slope	12.0 dB/oct
Overall Dimensions	117x105 mm (4.6x4.1 in)
Weight	0.5 kg (1.1 lb)

- 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.