

**14CXN76** 8 Ω

- 800 W continuous program power capacity
- 80° nominal coverage
- 45 - 18000 Hz response
- 100 dB sensitivity
- Single Neodymium magnet assembly
- Aluminium demodulating ring for very low distortion



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## GENERAL

|                                |                         |
|--------------------------------|-------------------------|
| Nominal Diameter               | <b>343 mm (13.5 in)</b> |
| Nominal Impedance              | <b>8 Ω</b>              |
| Frequency Range                | <b>45 Hz - 18000 Hz</b> |
| Dispersion Angle               | <b>80 °</b>             |
| Included by -6 dB down points. |                         |

## PARAMETERS

|      |                             |
|------|-----------------------------|
| Fs   | <b>45 Hz</b>                |
| Re   | <b>5.2 Ω</b>                |
| Qes  | <b>0.29</b>                 |
| Qms  | <b>8.5</b>                  |
| Qts  | <b>0.28</b>                 |
| Vas  | <b>131 dm³ (4.63 ft³)</b>   |
| Sd   | <b>707 cm² (109.59 in²)</b> |
| η0   | <b>4 %</b>                  |
| Xvar | <b>8 mm</b>                 |
| Mms  | <b>67 g</b>                 |
| Bl   | <b>18.4 Tm</b>              |
| Le   | <b>1 mH</b>                 |
| EBP  | <b>155 Hz</b>               |

## SPECIFICATIONS HF UNIT

|                                                                                                                                                                                               |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Nominal Diameter                                                                                                                                                                              | <b>343 mm (13.5 in)</b>   |
| Nominal Impedance                                                                                                                                                                             | <b>8 Ω</b>                |
| Minimum Impedance                                                                                                                                                                             | <b>8.2 Ω</b>              |
| Nominal Power Handling                                                                                                                                                                        | <b>80 W</b>               |
| 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air. |                           |
| Continuous Power Handling                                                                                                                                                                     | <b>160 W</b>              |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                                                               |                           |
| Sensitivity                                                                                                                                                                                   | <b>105 dB</b>             |
| Applied RMS Voltage is set to 2.83V.                                                                                                                                                          |                           |
| Recommended Crossover                                                                                                                                                                         | <b>1.2 kHz</b>            |
| 12 dB/oct. or higher slope high-pass filter.                                                                                                                                                  |                           |
| Voice Coil Diameter                                                                                                                                                                           | <b>75 mm (3 in)</b>       |
| Winding Material                                                                                                                                                                              | <b>Aluminium</b>          |
| Inductance                                                                                                                                                                                    | <b>0.14 mH</b>            |
| Flux Density                                                                                                                                                                                  | <b>1.8 T</b>              |
| Diaphragm Material                                                                                                                                                                            | <b>Polyester/Titanium</b> |

## SPECIFICATIONS LF UNIT

|                                                                                                                                                     |                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Nominal Diameter                                                                                                                                    | <b>343 mm (13.5 in)</b>         |
| Nominal Impedance                                                                                                                                   | <b>8 Ω</b>                      |
| Minimum Impedance                                                                                                                                   | <b>6.5 Ω</b>                    |
| Nominal Power Handling                                                                                                                              | <b>400 W</b>                    |
| 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. |                                 |
| Continuous Power Handling                                                                                                                           | <b>800 W</b>                    |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                     |                                 |
| Sensitivity                                                                                                                                         | <b>100 dB</b>                   |
| Applied RMS Voltage is set to 2.83V.                                                                                                                |                                 |
| Voice Coil Diameter                                                                                                                                 | <b>76 mm (3 in)</b>             |
| Winding Material                                                                                                                                    | <b>Copper</b>                   |
| Former Material                                                                                                                                     | <b>Glass Fibre</b>              |
| Winding Depth                                                                                                                                       | <b>16.5 mm (0.65 in)</b>        |
| Magnetic Gap Depth                                                                                                                                  | <b>9 mm (0.35 in)</b>           |
| Flux Density                                                                                                                                        | <b>1.05 T</b>                   |
| Woofer Cone Treatment                                                                                                                               | <b>WP Waterproof Front Side</b> |

## DESIGN

|                       |                                 |
|-----------------------|---------------------------------|
| Magnet Material       | <b>Neodymium Ring</b>           |
| Woofer Cone Treatment | <b>WP Waterproof Front Side</b> |

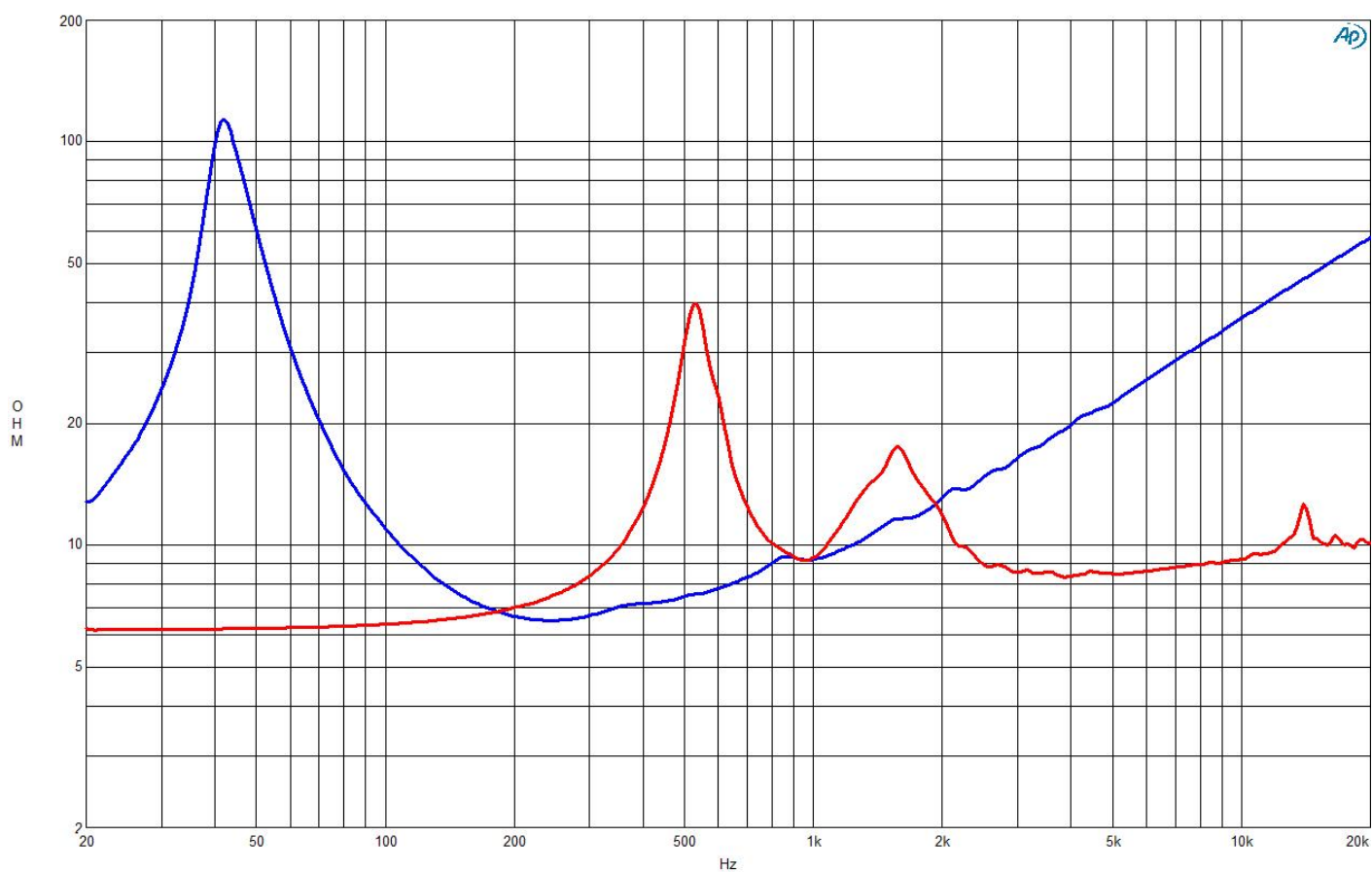
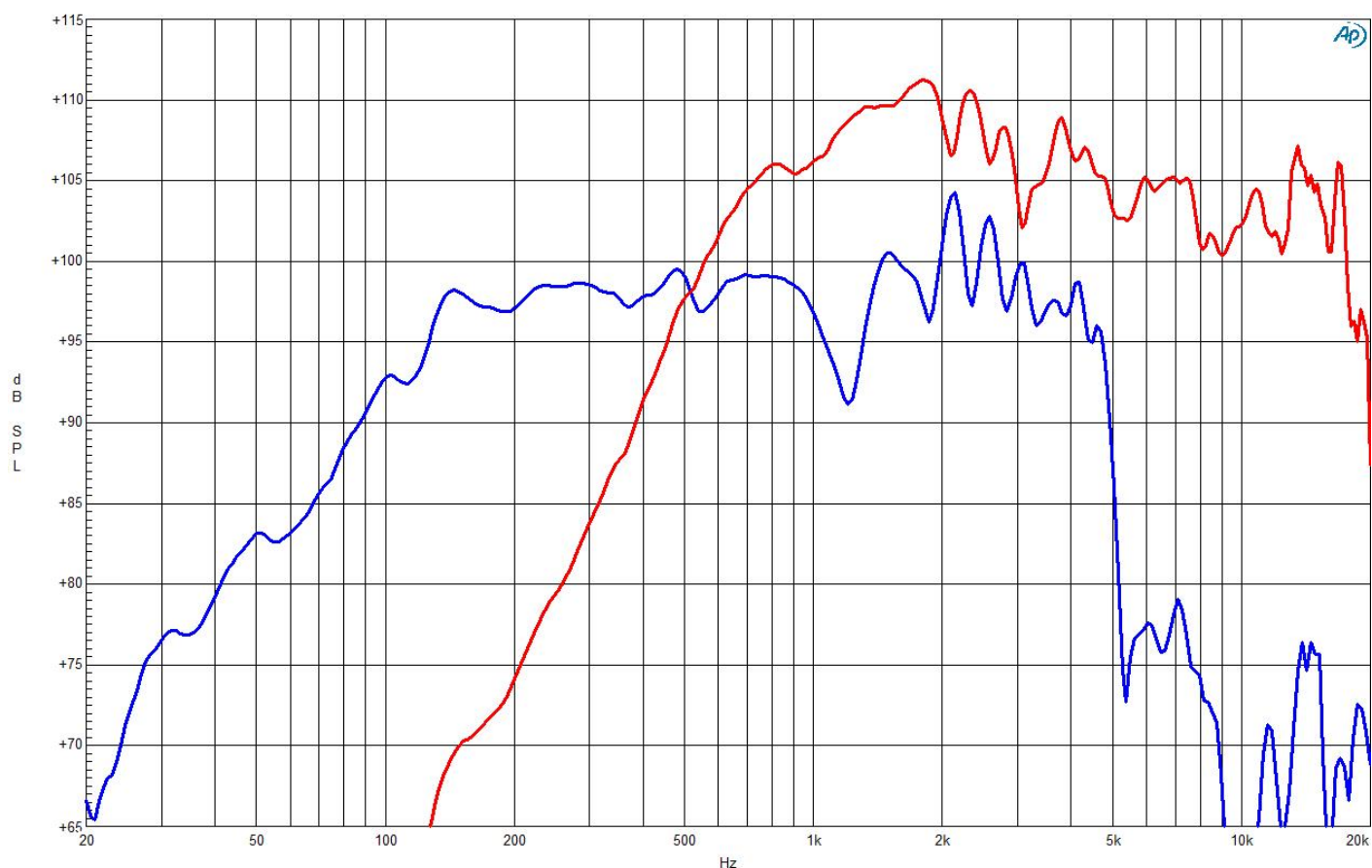
## MOUNTING AND SHIPPING INFO

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Overall Diameter            | <b>359 mm (14.13 in)</b>                    |
| Bolt Circle Diameter        | <b>343 mm (13.5 in)</b>                     |
| Baffle Cutout Diameter      | <b>323 mm (12.72 in)</b>                    |
| Depth                       | <b>188 mm (7.4 in)</b>                      |
| Flange and Gasket Thickness | <b>12 mm (0.47 in)</b>                      |
| Net Weight                  | <b>5.6 kg (12.35 lb)</b>                    |
| Shipping Units              | <b>1 pcs</b>                                |
| Shipping Weight             | <b>6.9 kg (15.21 lb)</b>                    |
| Shipping Box                | <b>425x425x224 mm (16.73x16.73x8.82 in)</b> |

## SERVICE KITS

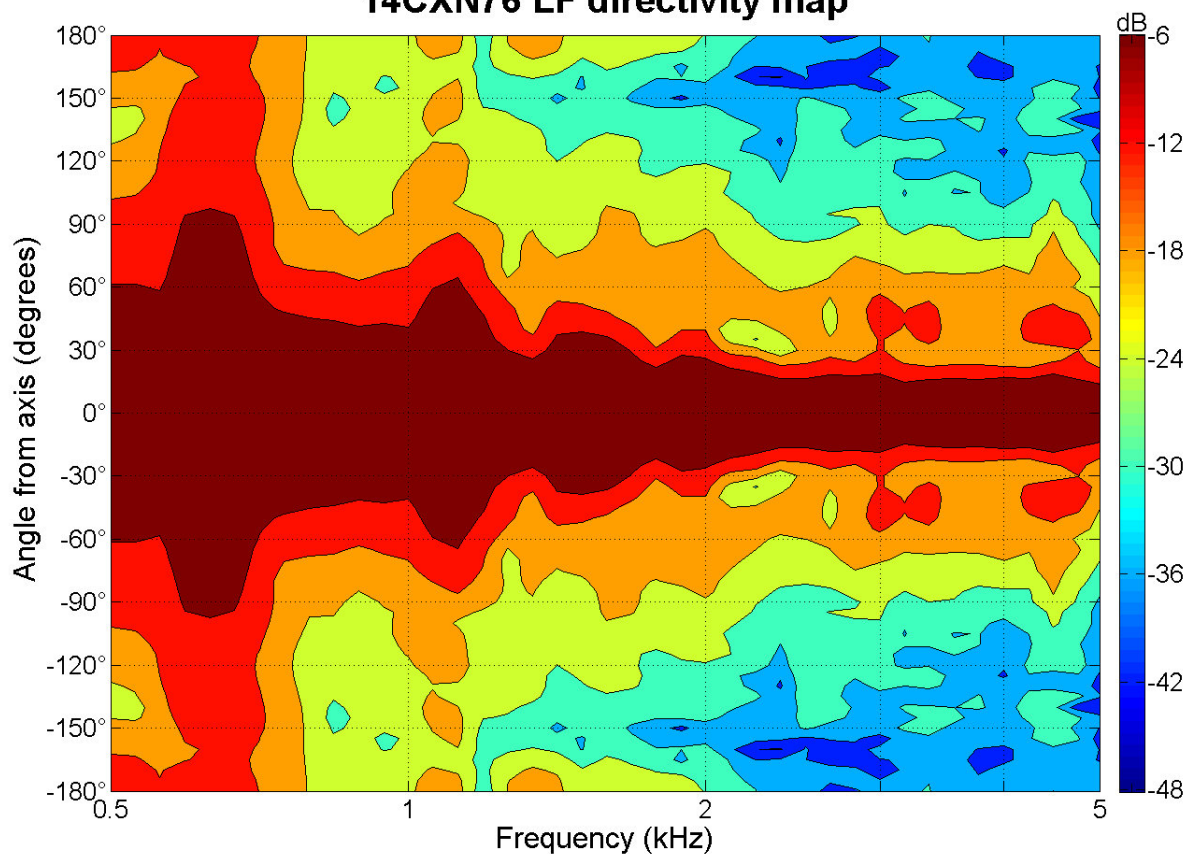
|                          |                    |
|--------------------------|--------------------|
| HF replacement-diaphragm | <b>MMD9028M</b>    |
| LF recone-kits           | <b>RCK14CXN768</b> |

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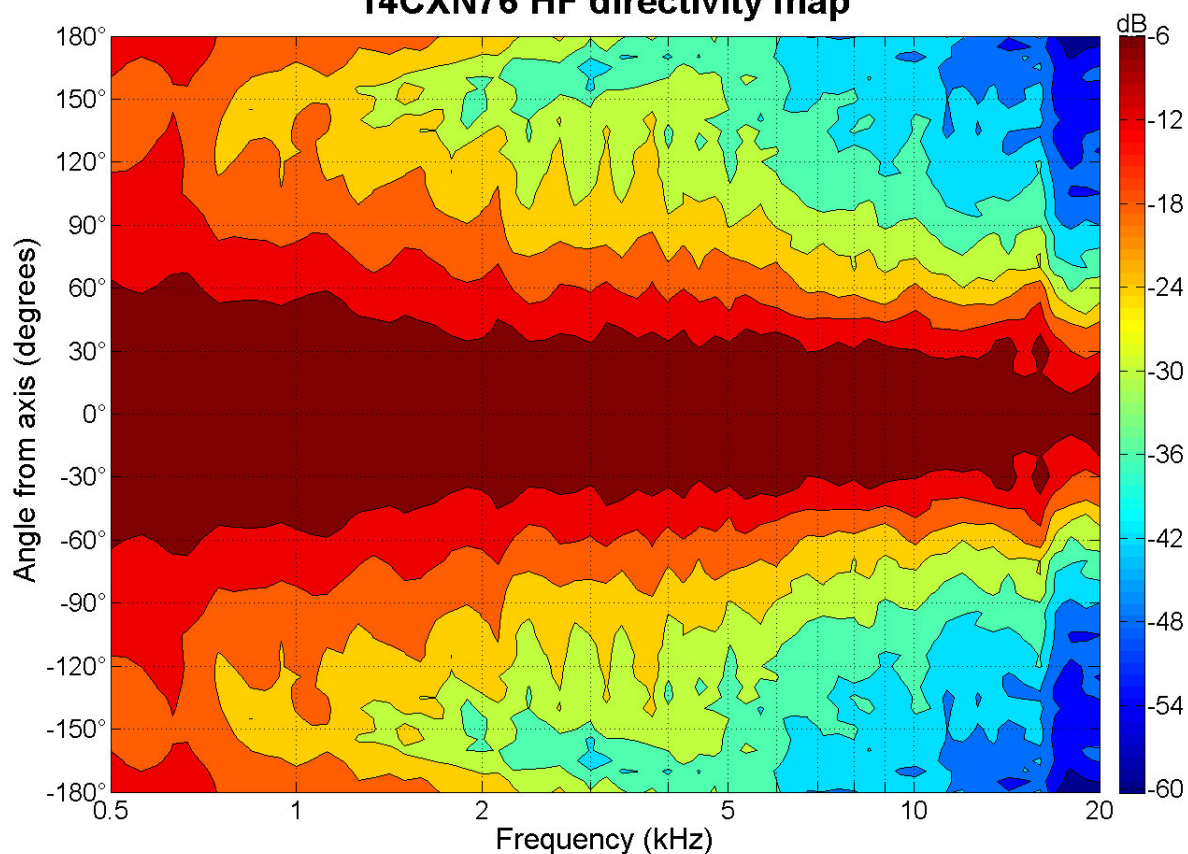


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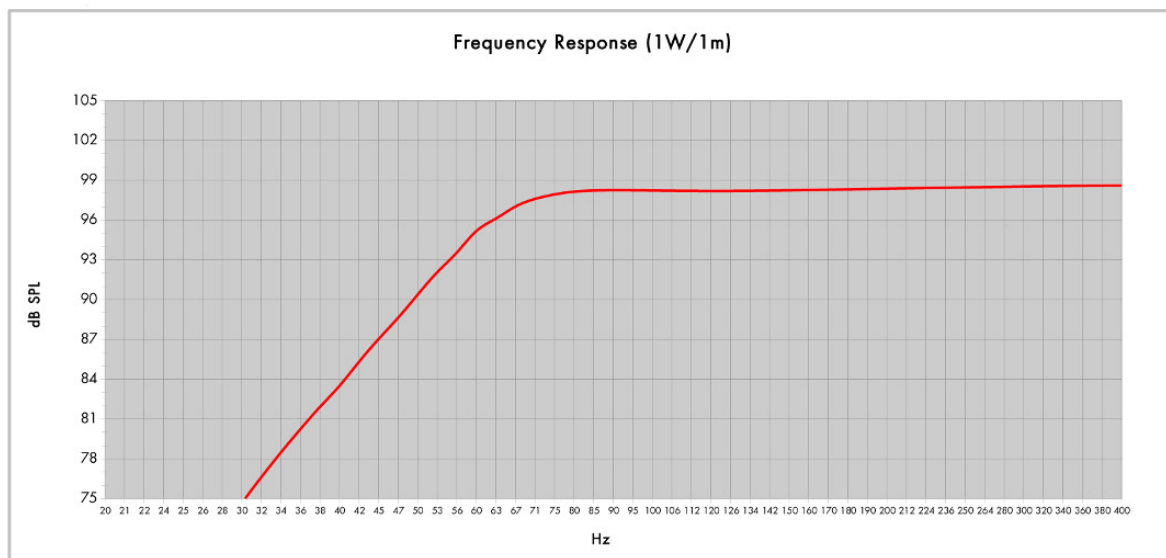
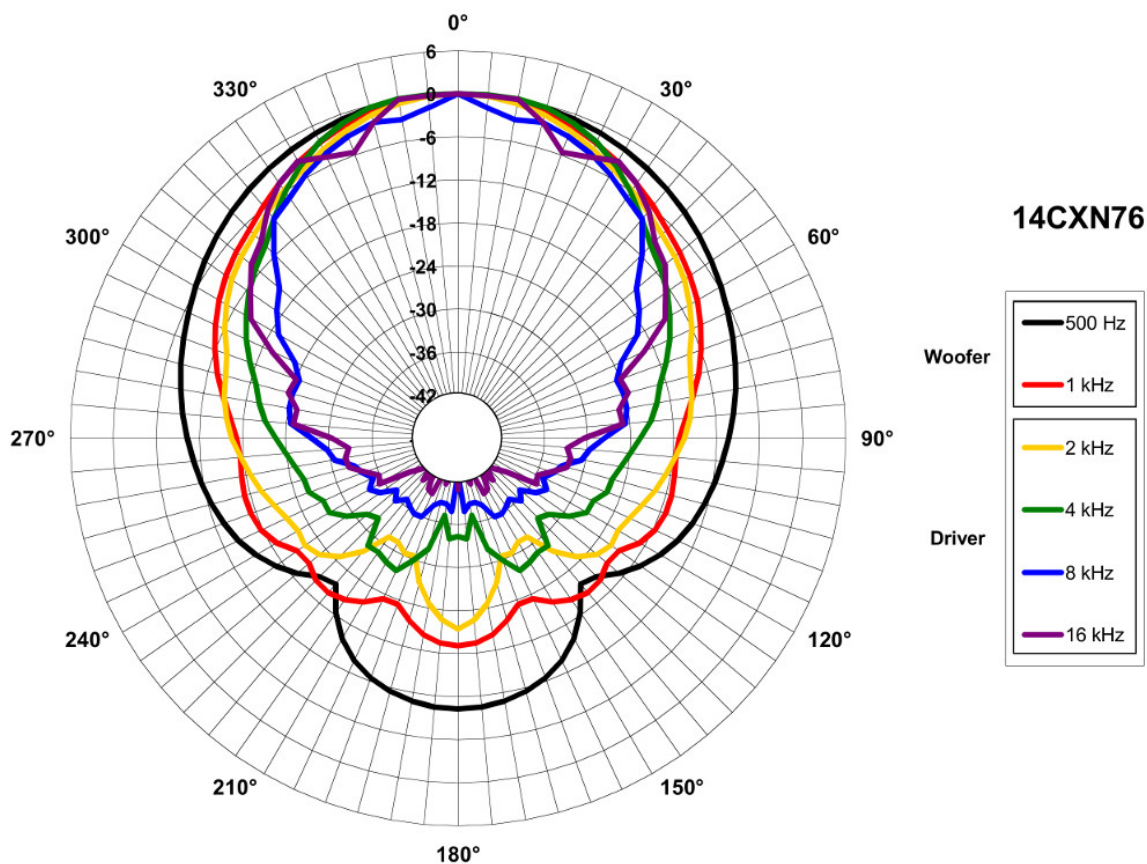
**14CXN76 LF directivity map**



**14CXN76 HF directivity map**



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|                               |                    |                               |                   |
|-------------------------------|--------------------|-------------------------------|-------------------|
| Model:                        | <b>14CXN76</b>     | Configuration:                | <b>One Driver</b> |
| Enclosure Type:               | <b>Bass Reflex</b> |                               |                   |
| Internal Net Volume (Litres): | <b>65</b>          | QB:                           | <b>7</b>          |
| Tuning Frequency (Hz):        | <b>60</b>          | Port Area (cm <sup>2</sup> ): | <b>222,3</b>      |
| Frequency (-3 dB) (Hz):       | <b>61,7</b>        | Port Length (cm):             | <b>13,8</b>       |
| Frequency (-10 dB) (Hz):      | <b>47,3</b>        |                               |                   |

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