

**6FHX51** 8 Ω

- 300 W continuous program power capacity
- 70° nominal coverage
- 85 - 18000 Hz response
- 93 dB sensitivity
- 20.1 mm (0.79") HF unit exit diameter



# 6FHX51 8 Ω

## GENERAL

|                                |                         |
|--------------------------------|-------------------------|
| Nominal Diameter               | <b>170 mm (6.5 in)</b>  |
| Nominal Impedance              | <b>8 Ω</b>              |
| Frequency Range                | <b>85 Hz - 18000 Hz</b> |
| Dispersion Angle               | <b>70 °</b>             |
| Included by -6 dB down points. |                         |

## PARAMETERS

|      |                                                 |
|------|-------------------------------------------------|
| Fs   | <b>85 Hz</b>                                    |
| Re   | <b>5.5 Ω</b>                                    |
| Qes  | <b>0.4</b>                                      |
| Qms  | <b>7.8</b>                                      |
| Qts  | <b>0.37</b>                                     |
| Vas  | <b>5 dm<sup>3</sup> (0.18 ft<sup>3</sup>)</b>   |
| Sd   | <b>132 cm<sup>2</sup> (20.5 in<sup>2</sup>)</b> |
| η0   | <b>0.83 %</b>                                   |
| Xvar | <b>5.7 mm</b>                                   |
| Mms  | <b>16 g</b>                                     |
| Bl   | <b>11.3 Tm</b>                                  |
| Le   | <b>1 mH</b>                                     |
| EBP  | <b>213 Hz</b>                                   |

## SPECIFICATIONS HF UNIT

|                                                                                                                                                                                               |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Nominal Diameter                                                                                                                                                                              | <b>170 mm (6.5 in)</b> |
| Nominal Impedance                                                                                                                                                                             | <b>8 Ω</b>             |
| Minimum Impedance                                                                                                                                                                             | <b>7 Ω</b>             |
| Nominal Power Handling                                                                                                                                                                        | <b>10 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>20 W</b>            |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                                                               |                        |
| Sensitivity                                                                                                                                                                                   | <b>108.5 dB</b>        |
| Applied RMS Voltage is set to 2.83V.                                                                                                                                                          |                        |
| Recommended Crossover                                                                                                                                                                         | <b>2.5 kHz</b>         |
| 12 dB/oct. or higher slope high-pass filter.                                                                                                                                                  |                        |
| Voice Coil Diameter                                                                                                                                                                           | <b>25 mm (1 in)</b>    |
| Winding Material                                                                                                                                                                              | <b>Aluminium</b>       |
| Inductance                                                                                                                                                                                    | <b>0.1 mH</b>          |
| Flux Density                                                                                                                                                                                  | <b>1.65 T</b>          |
| Diaphragm Material                                                                                                                                                                            | <b>Polyester</b>       |

## SPECIFICATIONS LF UNIT

|                                                                                                                                                     |                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Nominal Diameter                                                                                                                                    | <b>170 mm (6.5 in)</b>          |
| Nominal Impedance                                                                                                                                   | <b>8 Ω</b>                      |
| Minimum Impedance                                                                                                                                   | <b>6.5 Ω</b>                    |
| Nominal Power Handling                                                                                                                              | <b>150 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>300 W</b>                    |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                     |                                 |
| Sensitivity                                                                                                                                         | <b>93 dB</b>                    |
| Applied RMS Voltage is set to 2.83V.                                                                                                                |                                 |
| Voice Coil Diameter                                                                                                                                 | <b>51 mm (2 in)</b>             |
| Winding Material                                                                                                                                    | <b>Copper</b>                   |
| Former Material                                                                                                                                     | <b>Kapton</b>                   |
| Winding Depth                                                                                                                                       | <b>13 mm (0.51 in)</b>          |
| Magnetic Gap Depth                                                                                                                                  | <b>6 mm (0.24 in)</b>           |
| Flux Density                                                                                                                                        | <b>1.05 T</b>                   |
| Woofer Cone Treatment                                                                                                                               | <b>WP Waterproof Front Side</b> |

## DESIGN

|                       |                                         |
|-----------------------|-----------------------------------------|
| Magnet Material       | <b>Ferrite (LF) - Neodym. Ring (HF)</b> |
| Woofer Cone Treatment | <b>WP Waterproof Front Side</b>         |

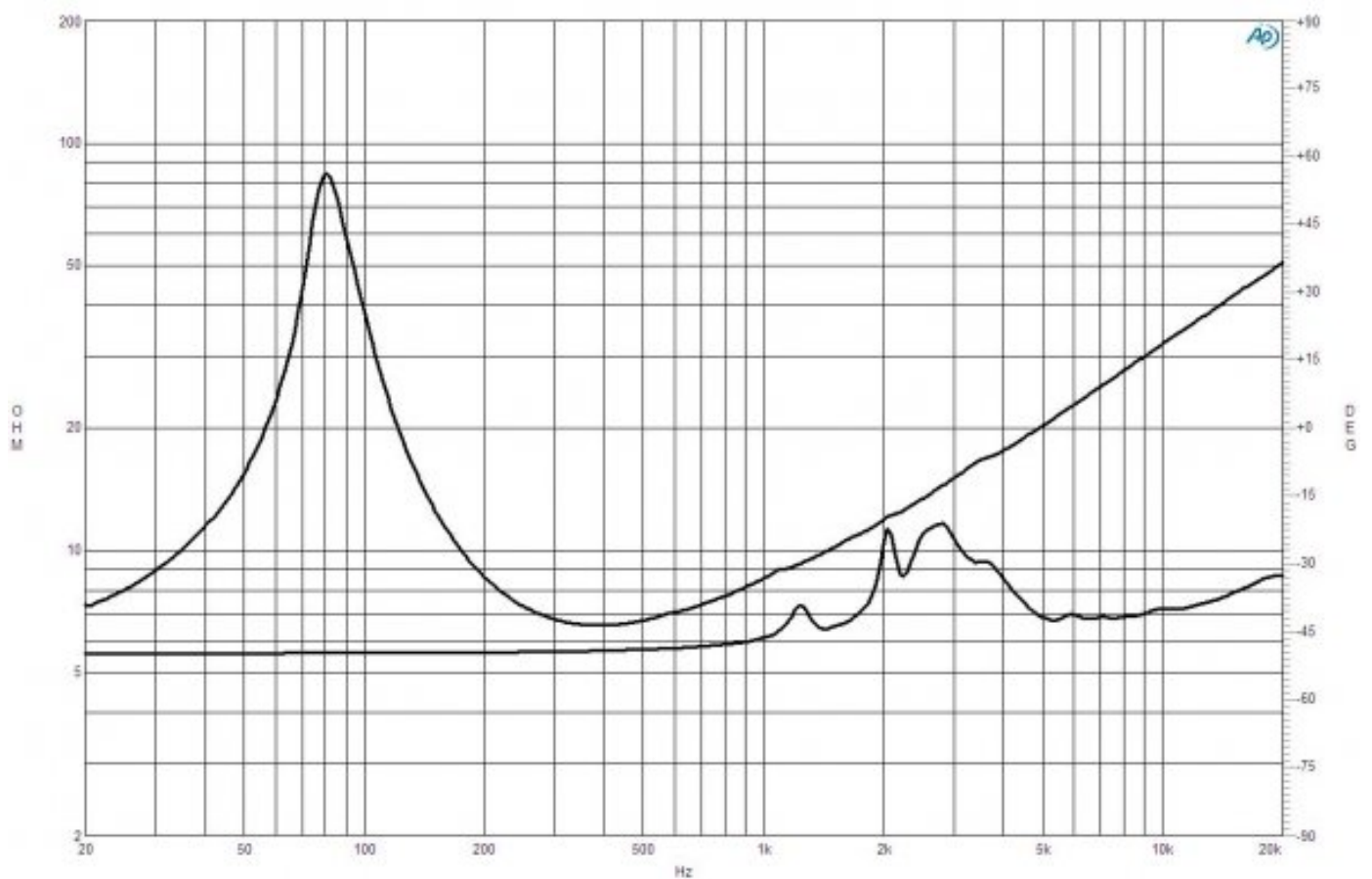
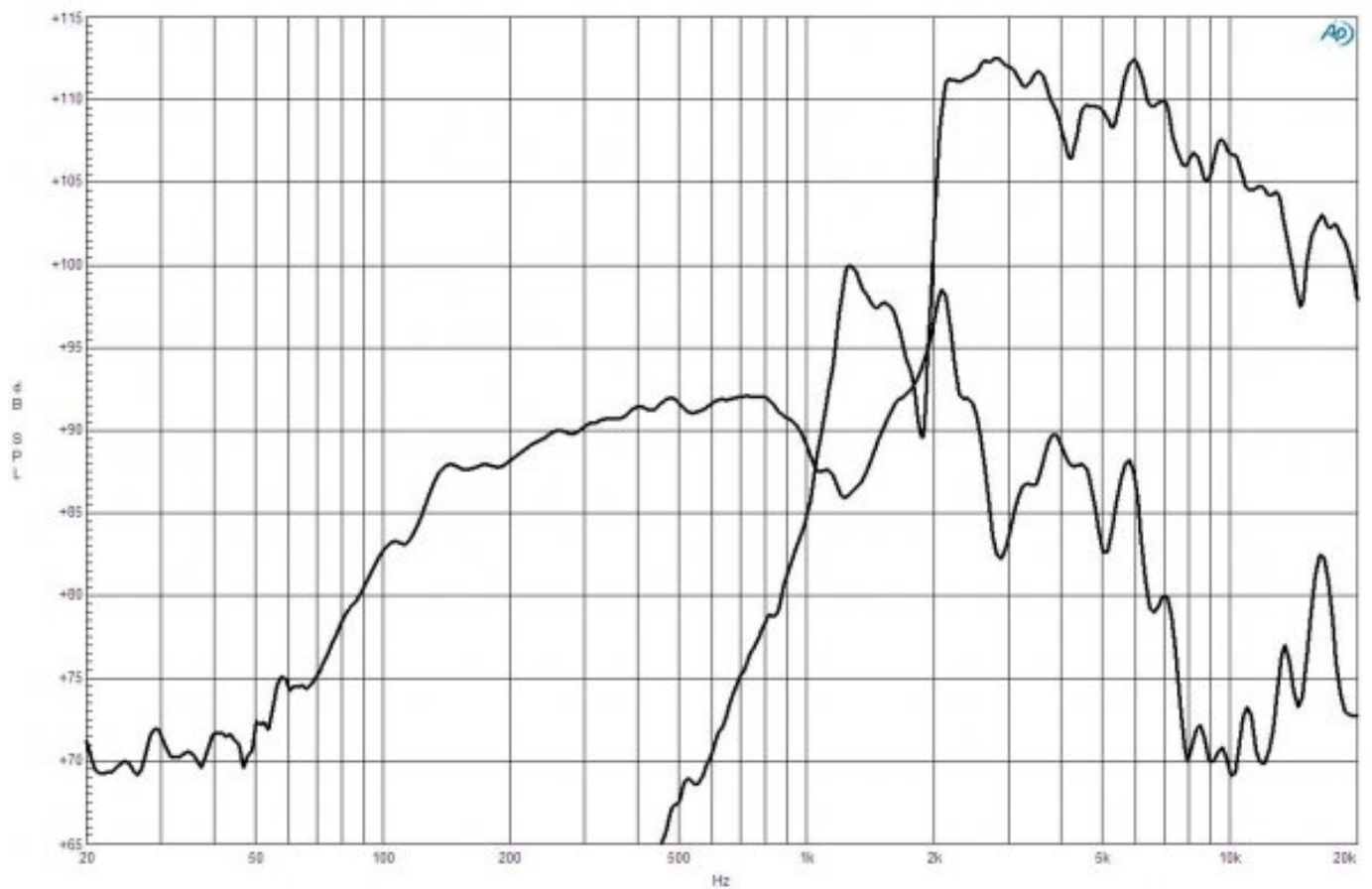
## MOUNTING AND SHIPPING INFO

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Overall Diameter            | <b>187 mm (7.4 in)</b>                      |
| Bolt Circle Diameter        | <b>172 mm (6.7 in)</b>                      |
| Baffle Cutout Diameter      | <b>146 mm (5.75 in)</b>                     |
| Depth                       | <b>122 mm (4.8 in)</b>                      |
| Flange and Gasket Thickness | <b>12 mm (0.47 in)</b>                      |
| Net Weight                  | <b>2.6 kg (5.73 lb)</b>                     |
| Shipping Units              | <b>1 pcs</b>                                |
| Shipping Weight             | <b>3.05 kg (6.72 lb)</b>                    |
| Shipping Box                | <b>255x255x150 mm (10.04x10.04x5.91 in)</b> |

## SERVICE KITS

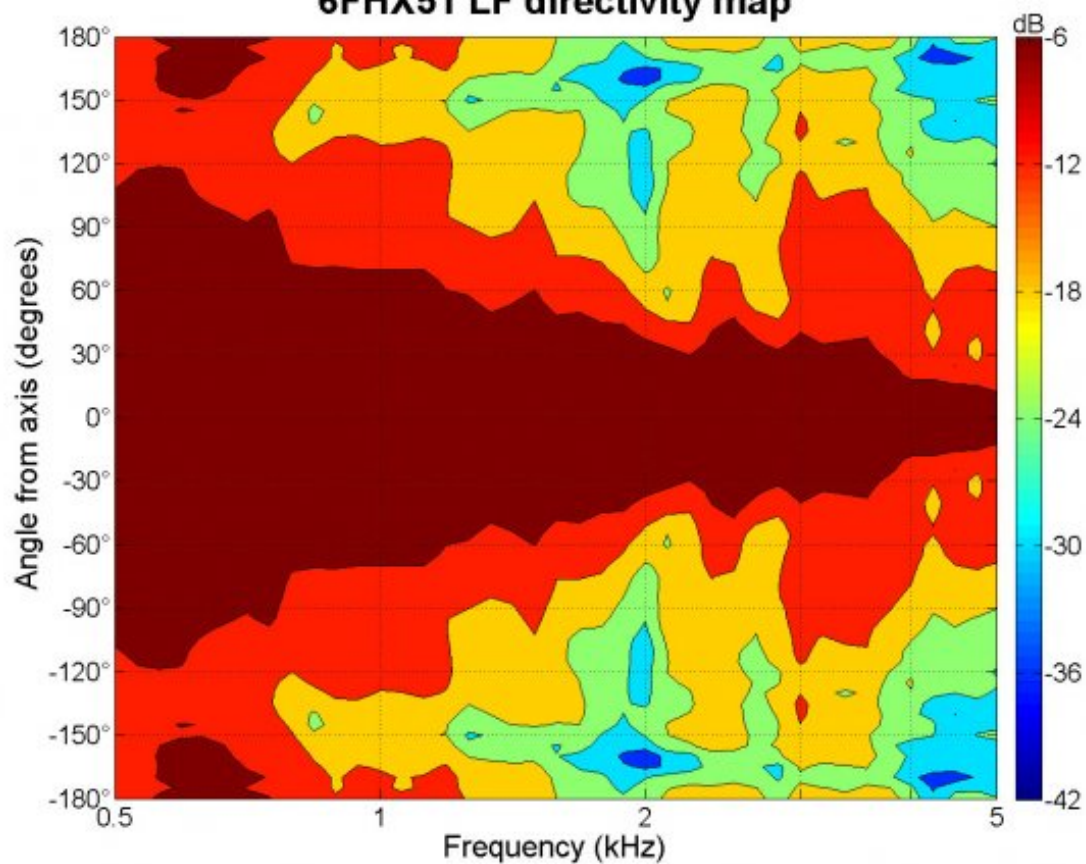
|                          |                    |
|--------------------------|--------------------|
| HF replacement-diaphragm | <b>MMDE58</b>      |
| LF recone-kits           | <b>RCK06FHX518</b> |

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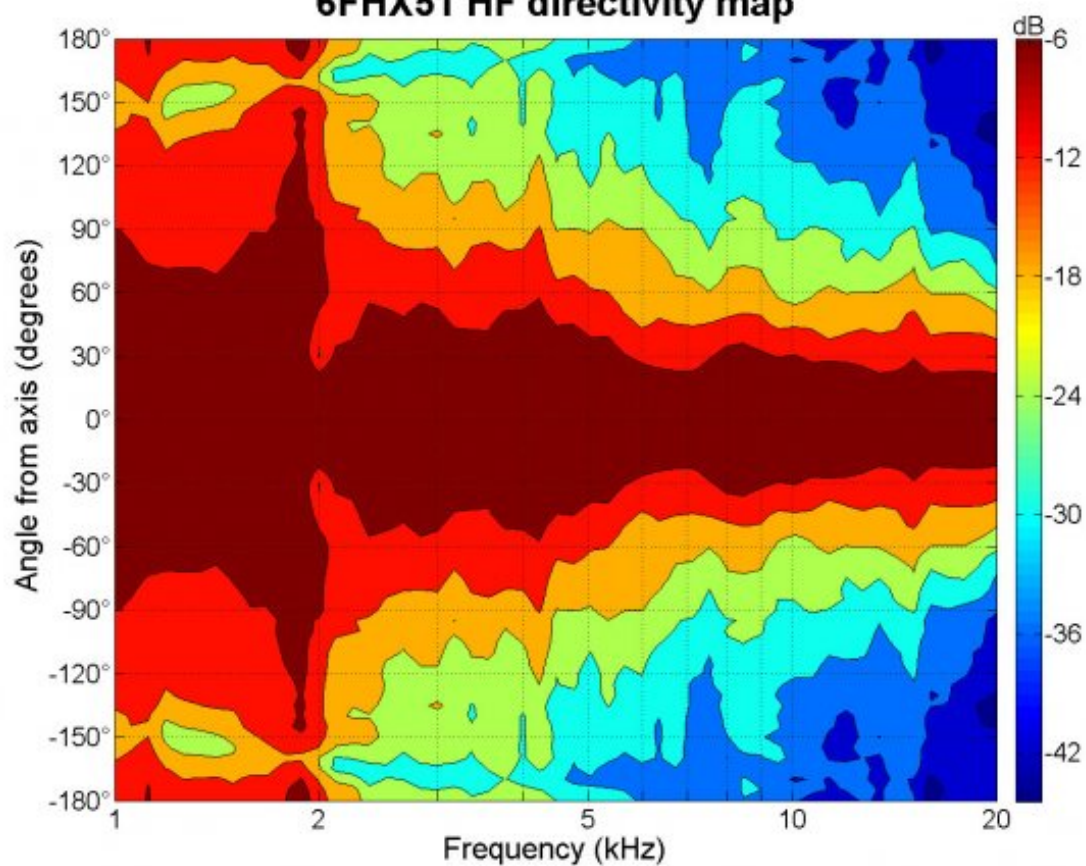


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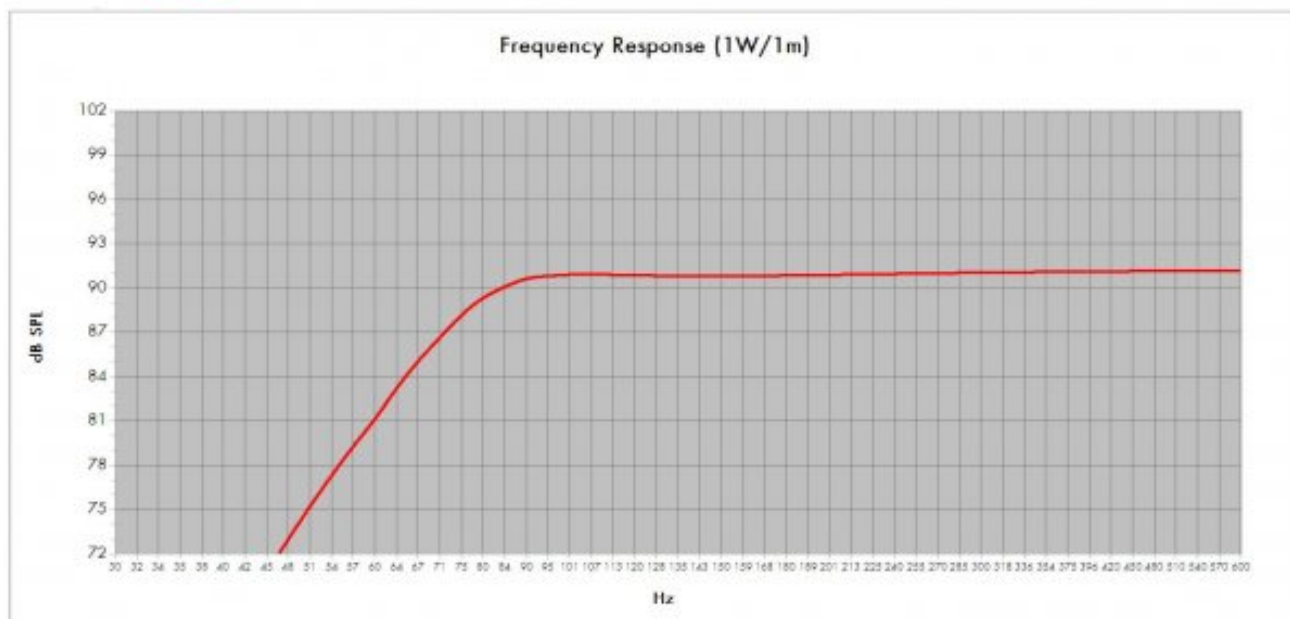
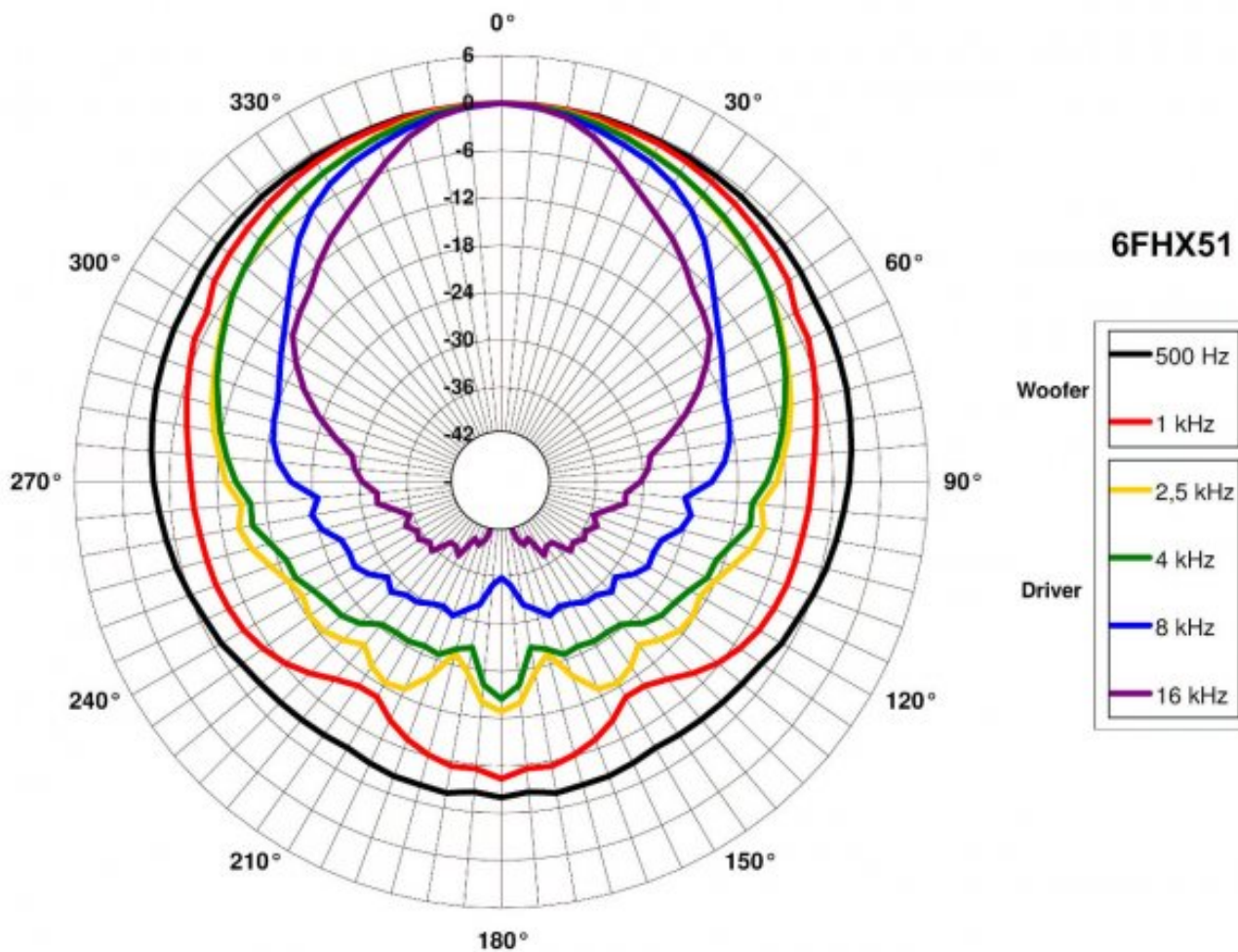
**6FHX51 LF directivity map**



**6FHX51 HF directivity map**



# 6FHX51 8 Ω



|                               |             |                   |            |
|-------------------------------|-------------|-------------------|------------|
| Model:                        | 6FHX51      | Configuration:    | One Driver |
| Enclosure Type:               | Bass Reflex |                   |            |
| Internal Net Volume [Liters]: | 7           | GB:               | 6          |
| Tuning Frequency [Hz]:        | 80          | Port Area [cm²]:  | 30,4       |
| Frequency [-3 dB] [Hz]:       | 75,4        | Port Length [cm]: | 15,0       |

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