

6HCX51 8 Ω

- 300 W continuous program power capacity
- 70° nominal coverage
- 90 - 18000 Hz response
- 92 dB sensitivity
- Single Neodymium magnet assembly
- 20.1 mm (0.79") HF unit exit diameter



6HCX51 8 Ω**GENERAL**

| | |
|--------------------------------|-------------------------|
| Nominal Diameter | 170 mm (6.5 in) |
| Nominal Impedance | 8 Ω |
| Frequency Range | 90 Hz - 18000 Hz |
| Dispersion Angle | 70 ° |
| Included by -6 dB down points. | |

PARAMETERS

| | |
|------|---|
| Fs | 89 Hz |
| Re | 5.2 Ω |
| Qes | 0.4 |
| Qms | 7.5 |
| Qts | 0.38 |
| Vas | 5 dm³ (0.18 ft³) |
| Sd | 132 cm² (20.5 in²) |
| η0 | 0.8 % |
| Xvar | 5.5 mm |
| Mms | 16 g |
| Bl | 10.9 Tm |
| Le | 0.8 mH |
| EBP | 223 Hz |

SPECIFICATIONS HF UNIT

| | |
|---|------------------------|
| Nominal Diameter | 170 mm (6.5 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 7.5 Ω |
| Nominal Power Handling | 25 W |
| 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 | 50 W |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | |
| Sensitivity | 105 dB |
| Applied RMS Voltage is set to 2.83V. | |
| Recommended Crossover | 2.2 kHz |
| 12 dB/oct. or higher slope high-pass filter. | |
| Voice Coil Diameter | 36 mm (1.4 in) |
| Winding Material | Aluminium |
| Inductance | 0.06 mH |
| Flux Density | 1.8 T |
| Diaphragm Material | Polyester |

SPECIFICATIONS LF UNIT

| | |
|---|----------------------------------|
| Nominal Diameter | 170 mm (6.5 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6 Ω |
| Nominal Power Handling | 150 W |
| 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 | 300 W |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | |
| Sensitivity | 92 dB |
| Applied RMS Voltage is set to 2.83V. | |
| Voice Coil Diameter | 51 mm (2 in) |
| Winding Material | Copper |
| Former Material | Kapton |
| Winding Depth | 13 mm (0.51 in) |
| Magnetic Gap Depth | 6 mm (0.24 in) |
| Flux Density | 1.1 T |
| Woofer Cone Treatment | TWP Waterproof Both Sides |

DESIGN

| | |
|-----------------------|----------------------------------|
| Magnet Material | Neodymium Ring |
| Woofer Cone Treatment | TWP Waterproof Both Sides |

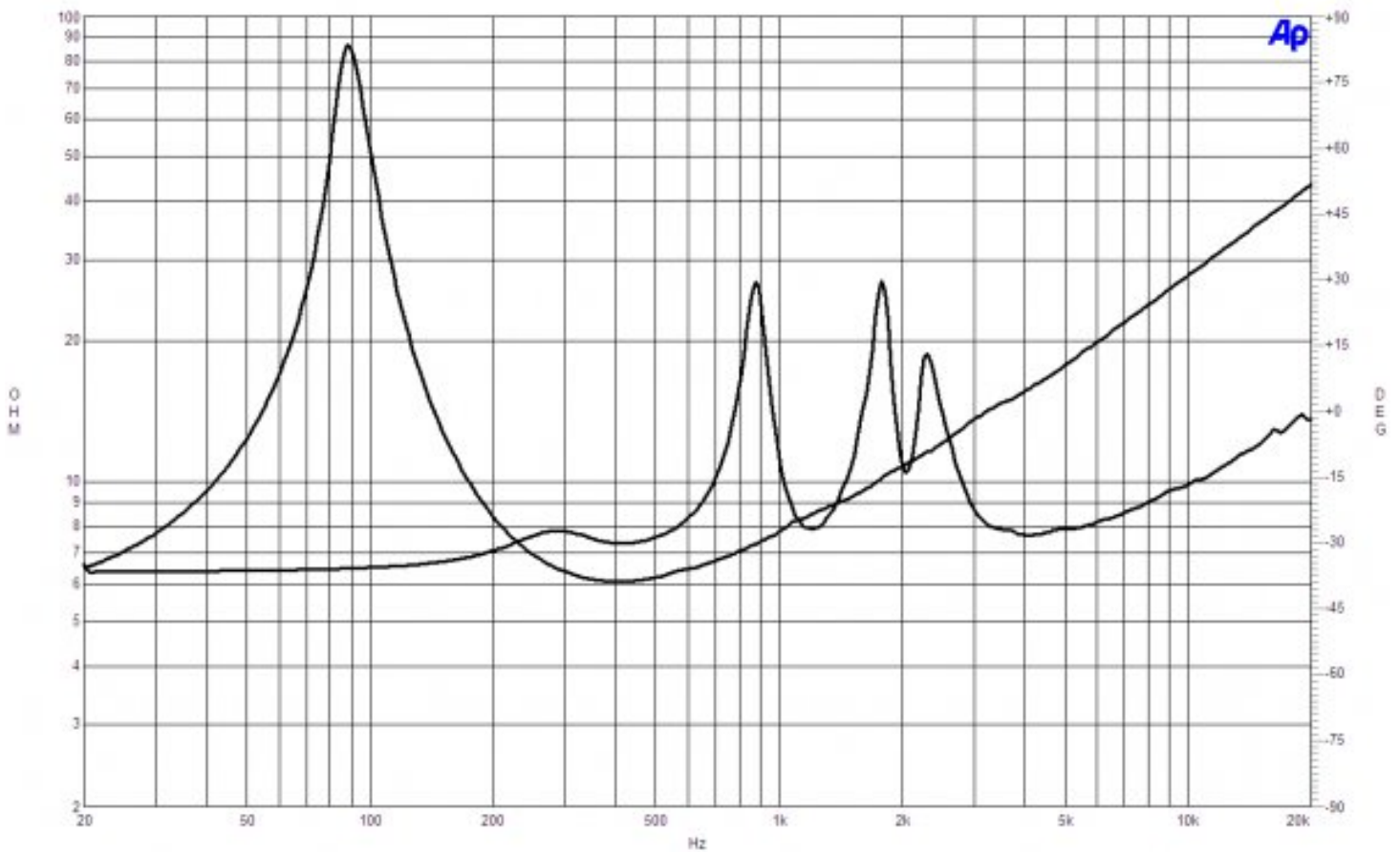
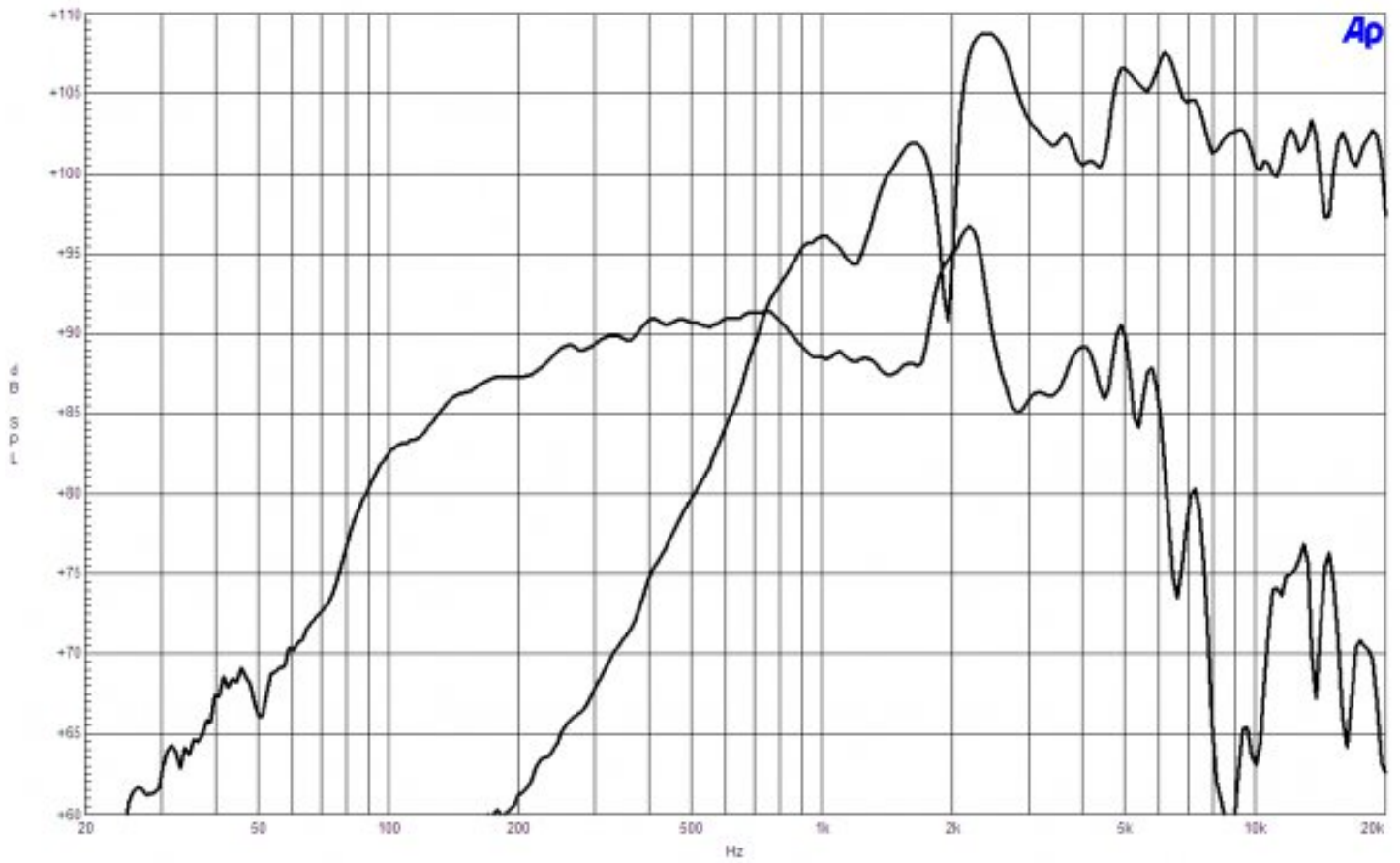
MOUNTING AND SHIPPING INFO

| | |
|-----------------------------|---|
| Overall Diameter | 187 mm (7.4 in) |
| Bolt Circle Diameter | 172 mm (6.7 in) |
| Baffle Cutout Diameter | 146 mm (5.75 in) |
| Depth | 104 mm (4.1 in) |
| Flange and Gasket Thickness | 11 mm (0.4 in) |
| Net Weight | 1.6 kg (3.53 lb) |
| Shipping Units | 1 pcs |
| Shipping Weight | 2.05 kg (4.52 lb) |
| Shipping Box | 255x255x150 mm (10.04x10.04x5.91 in) |

SERVICE KITS

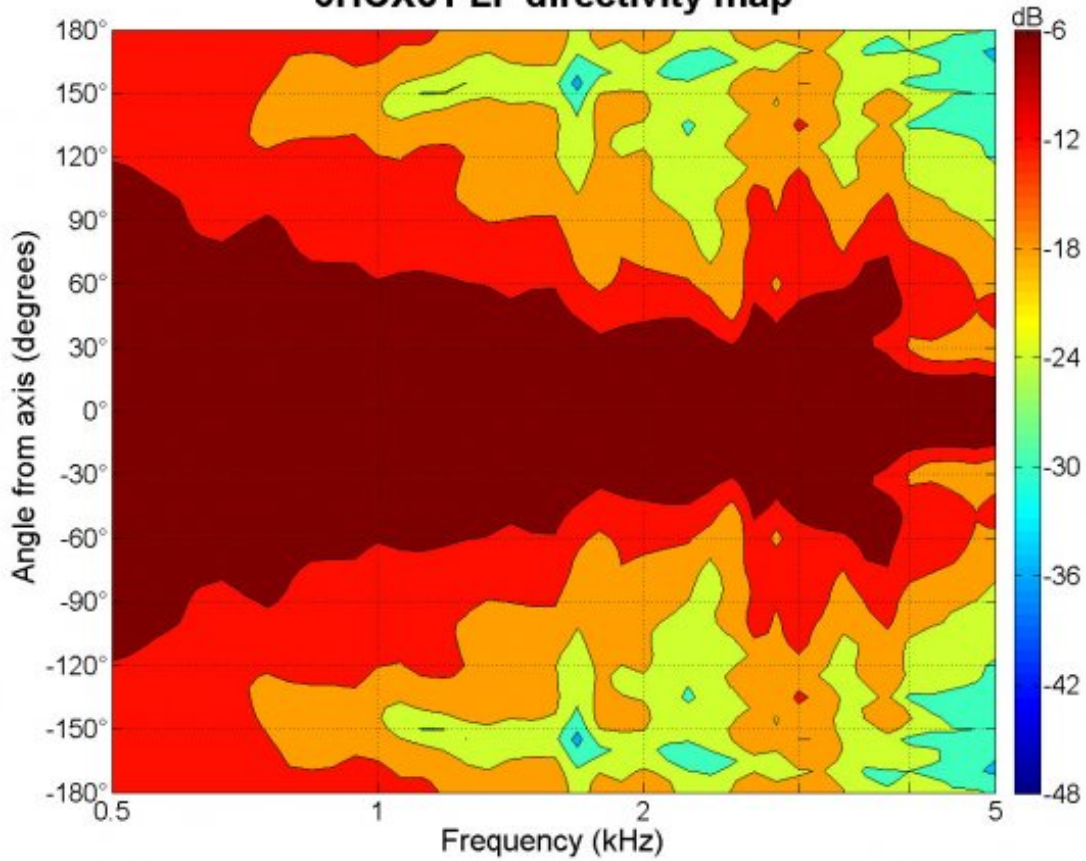
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|--------------------------|--------------------|
| HF replacement-diaphragm | MMD0128 |
| LF recone-kits | RCK06HCX518 |

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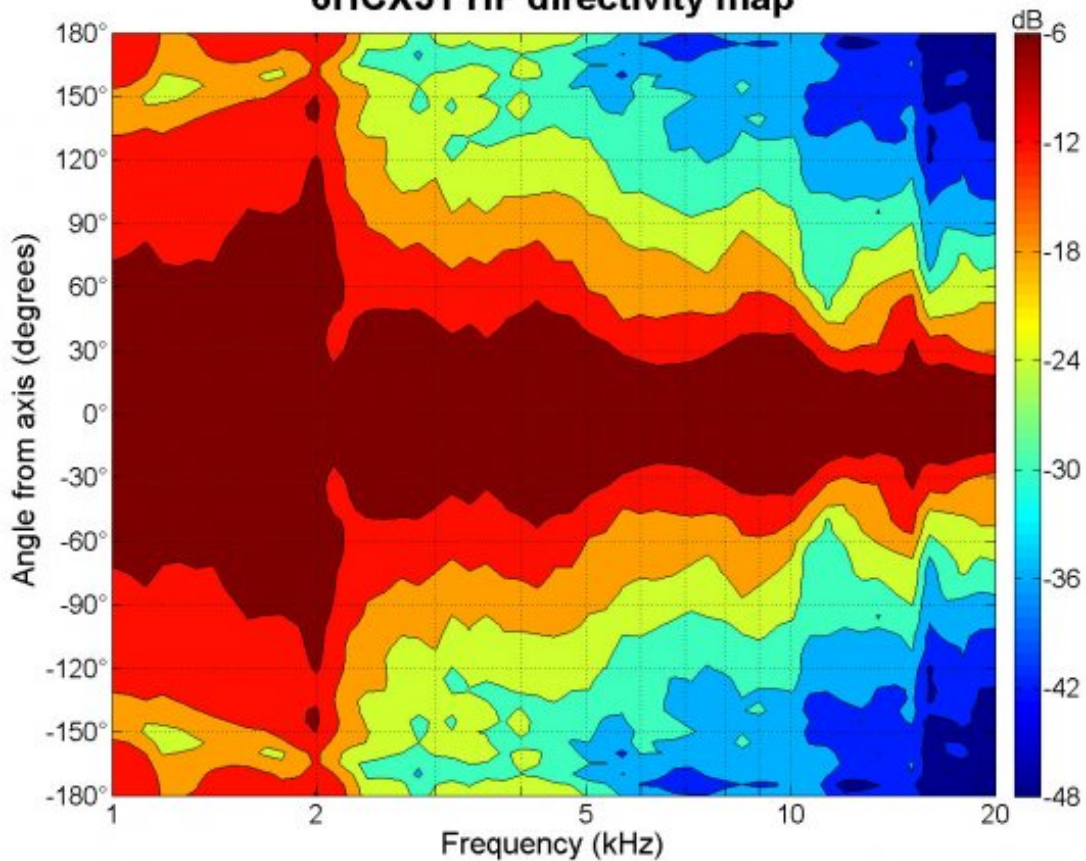


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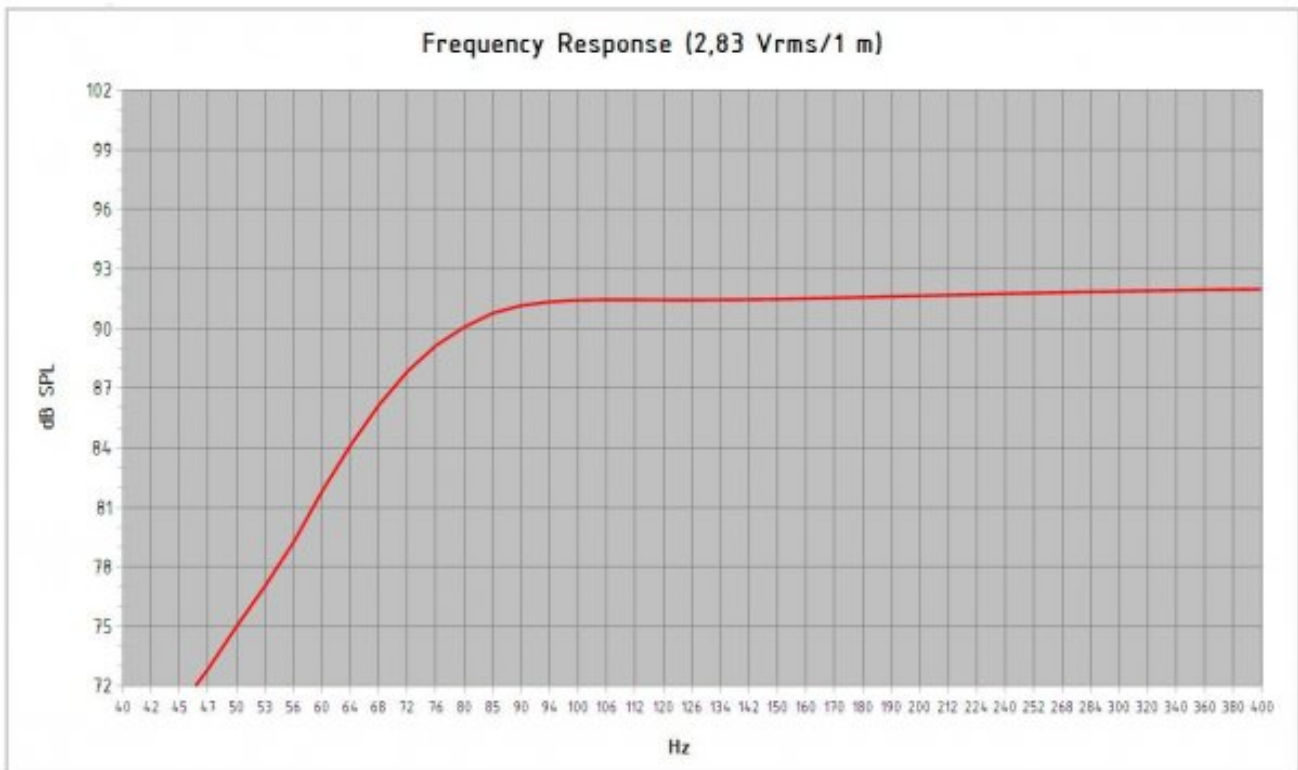
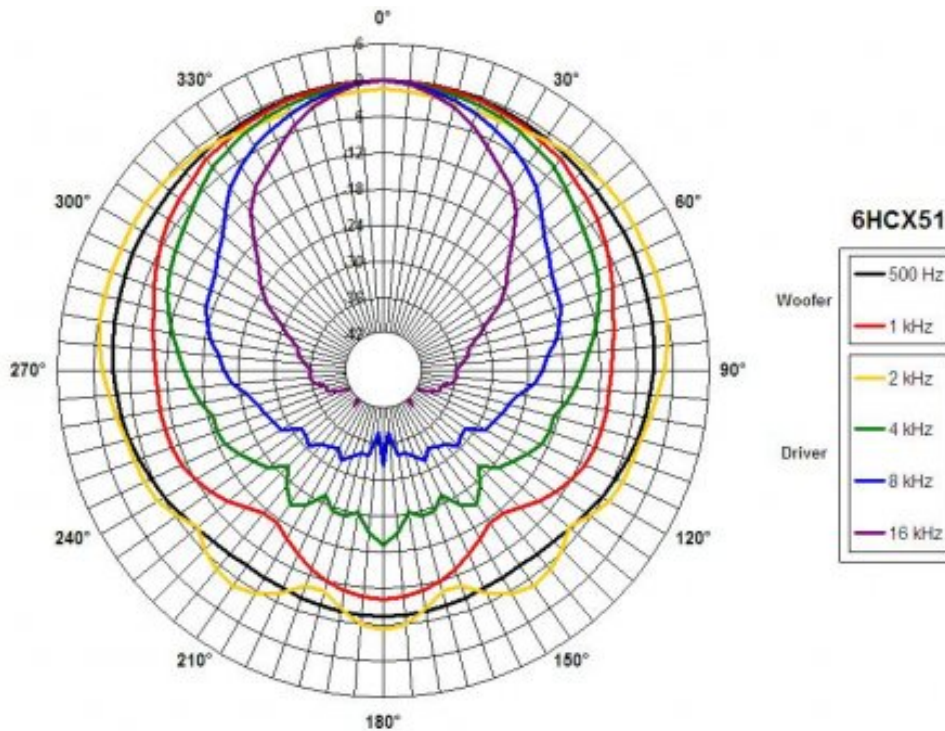
6HCX51 LF directivity map



6HCX51 HF directivity map



6HCX51 8 Ω



| | | | |
|--|--------------------|-------------------------------|--|
| Model: | 6 HCX 51 | | |
| Enclosure Type: | Bass Reflex | | |
| Internal Net Volume (Liters): | 7 | Port Area (cm ²): | 30,4 |
| Tuning Frequency (Hz): | 80 | Port Length (cm): | 15,0 |
| Frequency (-3 dB) (Hz): | 76,0 | | |
| Excursion Limited Maximum SPL at 1 meter (dB): | 109,7 | equal to | 75,6 Watts (Bass Band Power Rating) |
| Thermal Limited Maximum SPL at 1 meter (dB): | 112,7 | equal to | 150,0 Watts (Mid Band Power Rating) |



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B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

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