

# 10 cm Breitbandlautsprecher / 4" Fullrange Speakers

## FR 10 F Art. No. 4622 – 4 Ω

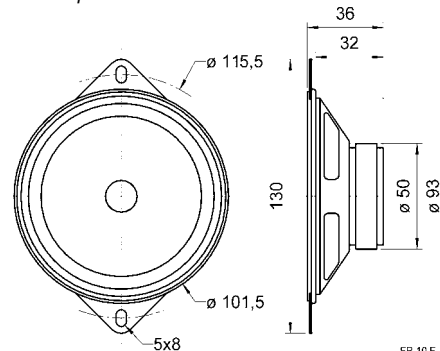
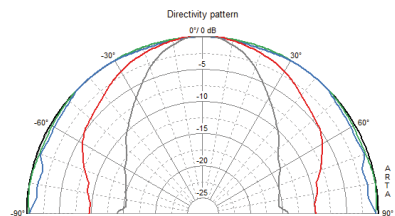


**10 cm (4") Breitbandlautsprecher** mit zwei Befestigungslaschen und geringer Einbautiefe. Hoher Schalldruck und gute Hochtton-Wiedergabe. Einfache Montage in Fahrzeugen mit Einbauorten für 10-cm-Lautsprecher.

**Zubehör:** Schutzgitter (Art. No. 4640, 4642, 4744)

**10 cm (4") full-range loudspeaker** with two fixing lugs and shallow design. High degree of sound pressure and good high-range reproduction. Easy to fit in vehicles with 10 cm loudspeaker mounts.

**Accessories:** Protective grille (Art. No. 4640, 4642, 4744)



FR 10 F  
26.03.03



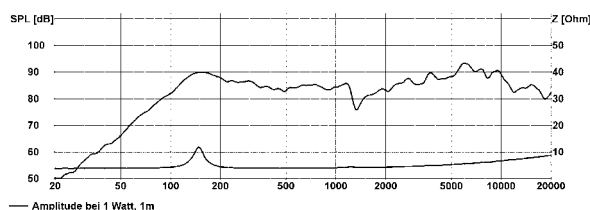
Art. No. 4640



Art. No. 4642



Art. No. 4744



## FX 10 Art. No. 4692 – 4 Ω



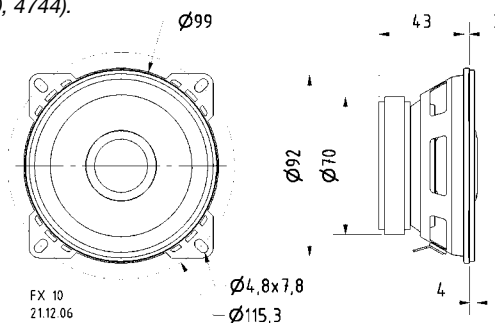
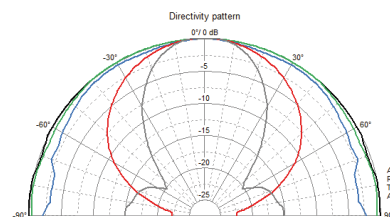
**10 cm (4") 2-Wege-Koaxiallautsprecher** mit Euro-Normkorb. Integrierte Frequenzweiche (Kondensator) für den Hochtöner. Einfache Montage in Fahrzeugen mit Einbauorten für 10-cm-Lautsprecher. Wasserfeste Polypropylenmembran.

**Anwendungsmöglichkeiten:** Fahrzeuge, Reisemobile, **Zubehör:** Schutzgitter (Art. No. 4642, 4640, 4670, 4744).

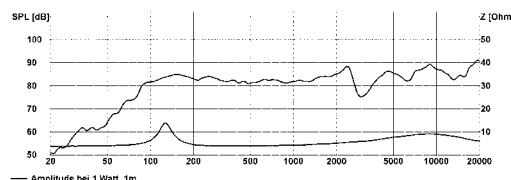
**10 cm (4") 2-way coaxial loudspeaker** with standard basket. Integrated crossover (capacitor) for the tweeter. Straightforward installation in vehicles with cutouts for 10 cm speakers. Waterproof PP-cone.

**Typical applications:** Vehicles, Mobile homes.

**Accessories:** Protective grille (Art.-No. 4642, 4640, 4670, 4744).



FX 10  
21.12.06



Art. No. 4640



Art. No. 4642



Art. No. 4670



Art. No. 4744

|                                   |                                   | FR 10 F         | FX 10           |
|-----------------------------------|-----------------------------------|-----------------|-----------------|
| Nenn-/Musikbelastbarkeit          | Rated/maximum power               | 20 W / 30 W     | 40 W / 70 W     |
| Impedanz                          | Impedance                         | 4 Ω             | 4 Ω             |
| Übertragungsbereich (–10 dB)      | Frequency response (–10 dB)       | 100–22000 Hz    | 70–22000 Hz     |
| Mittlerer Schalldruckpegel        | Mean sound pressure level         | 86 dB (1 W/1 m) | 84 dB (1 W/1 m) |
| Grenzauslenkung x <sub>mech</sub> | Excursion limit x <sub>mech</sub> | ± 4 mm          | ± 2 mm          |
| Resonanzfrequenz                  | Resonance frequency               | 133 Hz          | 110 Hz          |
| Obere Polplattenhöhe              | Height of front pole-plate        | 3 mm            | 3 mm            |
| Schwingspulenmesser               | Voice coil diameter               | 14 mm Ø         | 25 mm Ø         |
| Wickelhöhe                        | Height of winding                 | 2,5 mm          | 6 mm            |
| Schallwandöffnung                 | Cutout diameter                   | 94 mm Ø         | 93 mm Ø         |
| Gewicht netto                     | Net weight                        | 0,2 kg          | 0,4 kg          |