

FR 8, 8 OHM & FR8, 4 OHM



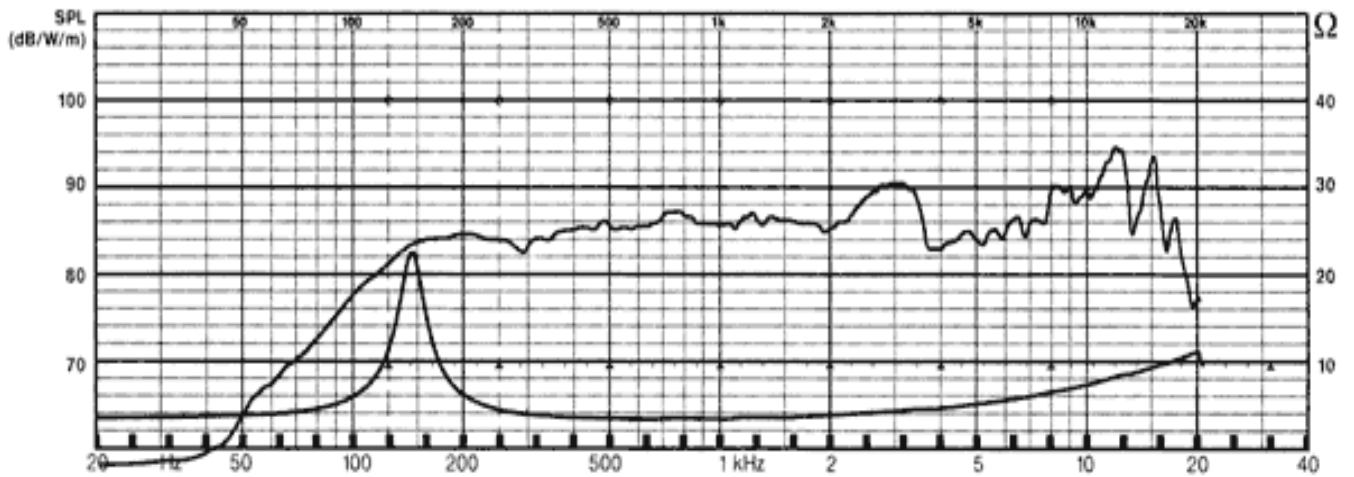
8 cm (3.3") full range speaker with good bass reproduction, balanced frequency response and high efficiency. Especially suitable as built-in speaker for music reproduction and as driver for 100 V network column speakers.

Typical applications:

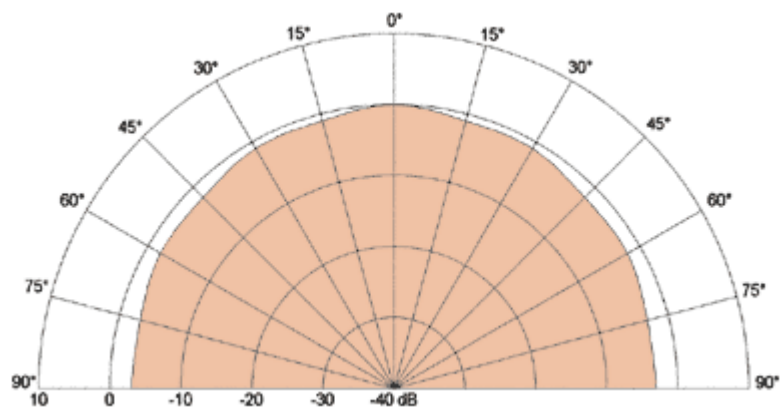
- Narrow network column speakers
- Control speaker for electronic devices
- Ceiling-mounted speakers in railway carriages and busses
- Electronic musical instruments

Technical Data:		
	FR8, 8 Ohm	FR8, 4 Ohm
Rated power	10 Watt	
Maximum power	15 Watt	
Nominal impedance	8 Ohm	4 Ohm
Frequency response (-10 dB)	130 - 20000 Hz	
Mean sound pressure level	86 dB (1W/1m)	
Maximum cone displacement	4 mm	
Resonance frequency f_s	150 Hz	
Magnetic induction	1,4 Tesla	
Magnetic flux	200 μ Weber	
Height of front pole-plate	3 mm	
Voice coil diameter	1,5 cm	
Height of winding	0,5 cm	
Cutout diameter	7,5 cm	
Net weight	0,24 kg	
D.C. resistance R_{dc}	7 Ohm	
Mechanical Q factor Q_{ms}	1,16	
Total Q factor Q_{ts}	0,96	
Equivalent volume V_{as}	0,67 l	
Effective piston area S_d	30 cm ²	
Dynamically moved mass M_{ms}	1,7 g	
Force factor $B \cdot l$	2,5 T · m	
Inductance of the voice coil L	0,62 mH	

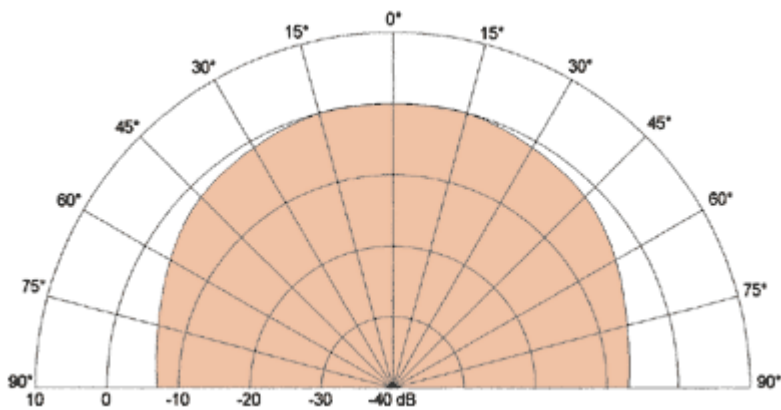
Frequency and Impedance Response



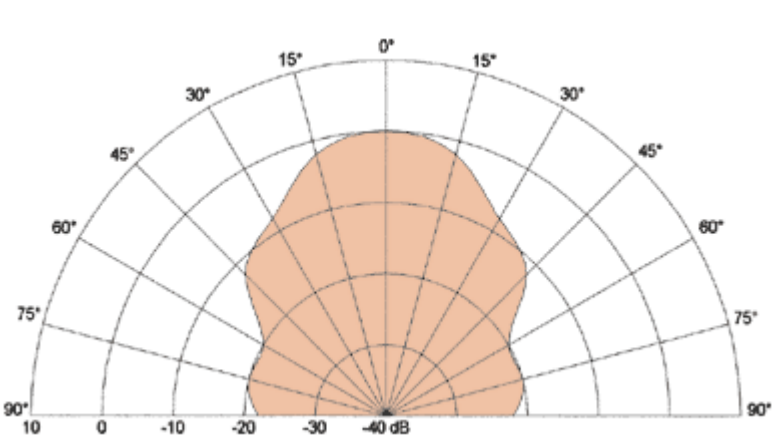
Radiation Pattern at 2000Hz



Radiation Pattern at 5000 Hz



Radiation Pattern at 10000 Hz



Dimensions

