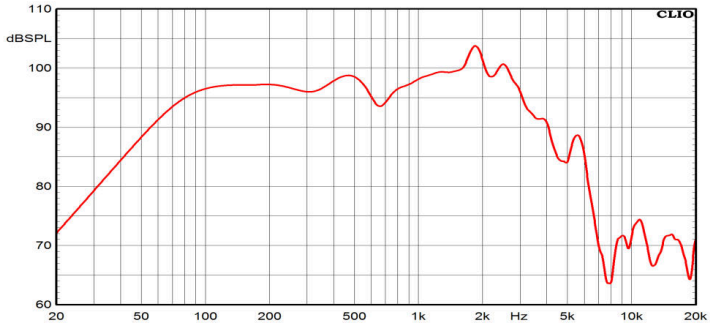
CME250

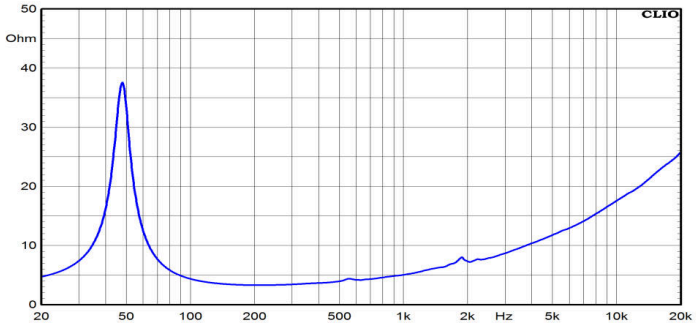


10" 4 Ohm Low Frequency Driver

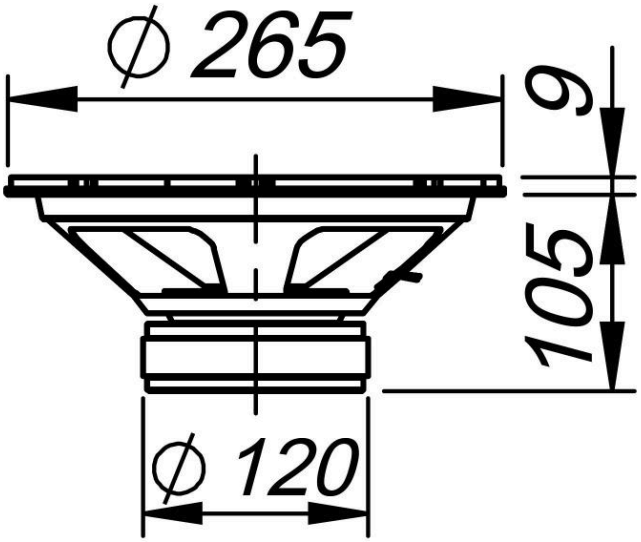
Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	450 W
Sensitivity	97 dB

DATASHEET DRAWINGS





DRAWINGS



CME250

SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	4 ©
Nominal Power Handling	220 W Nominal power is determined according to AES2-1984 (r2003) standard.
Continuous Power Handling	450 W Program Power is defined as 3 dB greater than the Nominal rating.
Sensitivity	97 dB V2183 Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.
Frequency Range	70 Hz - 3000 Hz Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
Voice Coil Diameter	50 mm (2 in)
Winding Material	Copper
Former Material	Glass fiber
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	8 mm (0.31 in)

PARAMETERS

Fs	48 Hz
Re	3 ©
Qes	0.53
Qms	5.7
Qts	0.48
Vas	74 dm³ (2.61 ft³)
Sd	380 cm² (58.9 in²)
·0	1.2 %
Xmax	4.5 mm (0.18 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	35.5 g
Bl	7.5 Tm
Le	0.4 mH
d	220 mm (8.66 in)
EBP	91 Hz

DESIGN

Surround Shape	Cotton fabric
Recommended Enclosure	30 dm³ (1.059 ft³)
Recommended Loading	Sealed box
Suspension	Cotton fabric
Cone Material	Doped cellulose fiber

MOUNTING AND SHIPPING INFO

Overall Diameter	265 mm (10.43 in)
Bolt Circle Diameter	253 mm (9.96 in)
Baffle Cutout Diameter	238 mm (9.37 in)
Depth	114 mm (4.49 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	2.7 kg (5.95 lb)
Shipping Units	4 pcs
Basket Material	Steel
Bolt Quantity	8 pcs
Bolt Diameter	4.5 mm (0.18 in)