

10W65-8KP

BASS/MID RANGE DRIVER



- * 95dB SPL 1W / 1m
- * 65.5mm (2.5in) copper clad aluminum voice coil
- * 250W IEC power handling
- * 60Hz-3kHz Frequency response
- * Aluminum demodulating ring for lower distortion
- * Heavy-duty cast aluminum chassis for increased rigidity
- * Ventilated voice coil gap for reduced power compression
- * Suitable for compact two way systems

GENERAL SPECIFICATIONS

Model Number	10W65-8KP
Reference model	KP4010
Nominal Diameter	266 mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	7.0Ω
IEC Power Rating ¹	250W
Long-term Maximum Power Handling ²	500W
Short-term Maximum Power Handling ³	1000W
Sensitivity (1W/1m) ⁴	95dB
Resonance Frequency	60Hz
Frequency Range	60Hz-3kHz
Voice Coil Diameter	65.5 mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	15.6mm
Magnetic Gap Depth	10mm
X _{max} ⁵	6.1mm
Flux Density	0.9T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth- sealed
Cone Material	Curvilinear Paper
Net Weight	4.5kg

DIMENSIONS

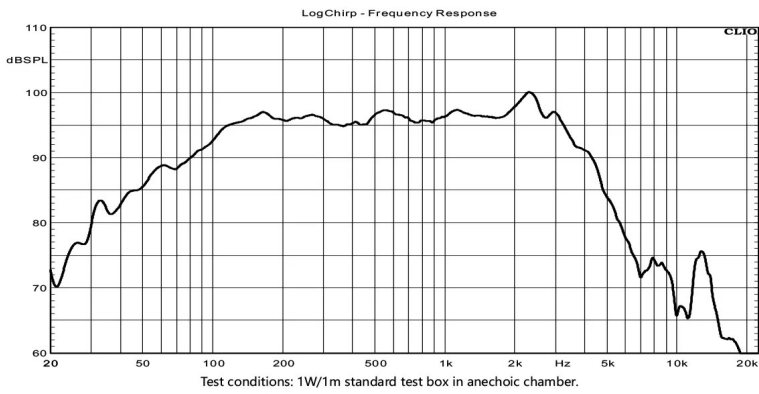
Overall Diameter	266mm
Total Depth	132mm
Depth (Excl. Flange)	212mm
Magnet Diameter	156mm

NOTES: 1、 Driver mounted on 220×220×110H horn. 2、 100 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance. 3、 2 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance. 4、 2 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance. 5、 Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. 6、 12 dB/oct. or higher slope high-pass filter. 7、 Power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

TS Parameters

Fs	59Hz
Re	5.8Ω
Le	0.61mH
Mms	50g
Mmd	46g
Cms	0.14mm/N
BL	15Tm
Qms	11.2
Qes	0.48
Qts	0.46
Vas	24L
Ref. Efficiency	1.1%
Sd	346cm ²
EBP	123Hz

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE

