

# 10W65-8KP

REFERENCE MODEL: JBL KP4010

BASS/MID RANGE DRIVER



## KEY FEATURES:

- 95dB 1W / 1m sensitivity
- 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

Nominal Diameter	266mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	7.0Ω
IEC Power Rating <sup>1</sup>	250W
Long-term Maximum Power Handling <sup>2</sup>	500W
Short-term Maximum Power Handling <sup>3</sup>	1000W
Sensitivity ( 1W/1m ) <sup>4</sup>	95dB
Resonance Frequency	60Hz
Frequency Range	60Hz-3kHz
Voice Coil Diameter	65.5mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	15.6mm
Magnetic Gap Depth	10mm
Xmax <sup>5</sup>	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

## THIELE SMALL PARAMETERS

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

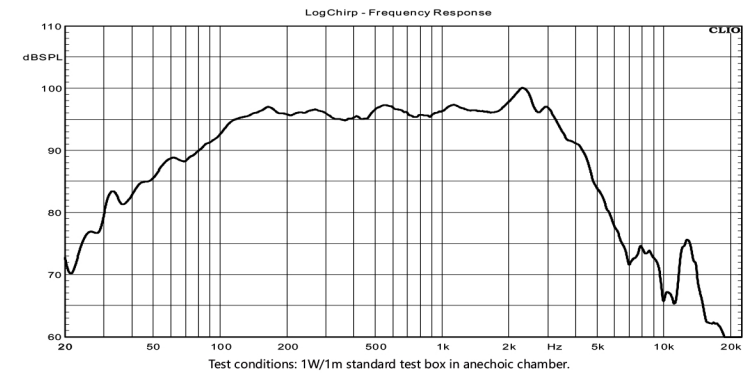
## DIMENSIONS

Overall Diameter	266mm
Total Depth	132mm
Depth (Excl. Flange)	121mm
Magnet Diameter	156mm

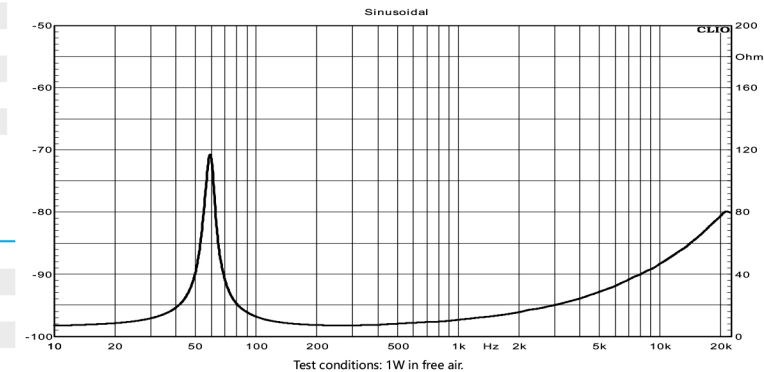
## MOUNTING INFORMATION

Baffle Cutout Diameter	237mm
Bolt Circle Diameter	252mm
N. of Mounting Holes	8
Mounting Holes Diameter	ø6.5mm

## FREQUENCY RESPONSE CURVE



## IMPEDANCE CURVE



### NOTES:

1. 100 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance.
2. 2 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. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. Xmax = [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Power test made with continuous pink noise signal within the frequency range.