

# QUALITY BUILT SUB WOOFER DRIVER FOR CUSTOM INSTALLATIONS



## DETAILED TECHNICAL DATA

Power Handling (Per Driver):	100 WRMS (@0%Thd)
Nominal Impedance:	4 ohm
Sensitivity:	90 dB
Frequency Range:	40Hz-3KHz
Voice Coil:	1.5 Inch
Magnet:	110mm*20mm

## BOX COMPATIBILITY

	Sealed	Vented
Enclosure Volume, cu.ft. :	0.88	0.88
Enclosure Frequency, Hz:	60	-
Fb Tuning Frequency Of Vented Enclosure,Hz	NA	44
F3 System 3dB Down Point(Sealed),Hz	45	-

## INSTALLATION POINTS

Failure to observe installation points will invalidate your warranty:

- Ensure you use appropriate crossover points for the intended result.
- Be realistic about output - small woofers have modest output limits. If you need more bass add more woofers.

- Ensure mounting surface is completely flat so as not to distort the speaker chassis.

## TEAM TIPS

- Remember that larger enclosures offer a deeper bass, whilst smaller ones offer more instant punch. Also, filling the enclosure with Dacron will give a deeper sound but still with the punch of the current enclosure size.
- For improved overall performance ensure the install location is well braced with no flex. If required use MDF speaker rings.
- Pay close attention to ensure you have the correct phase when installing the new drivers especially with factory wiring.
- To get the best results from your installation apply deadening and sound insulation material to the install locations.



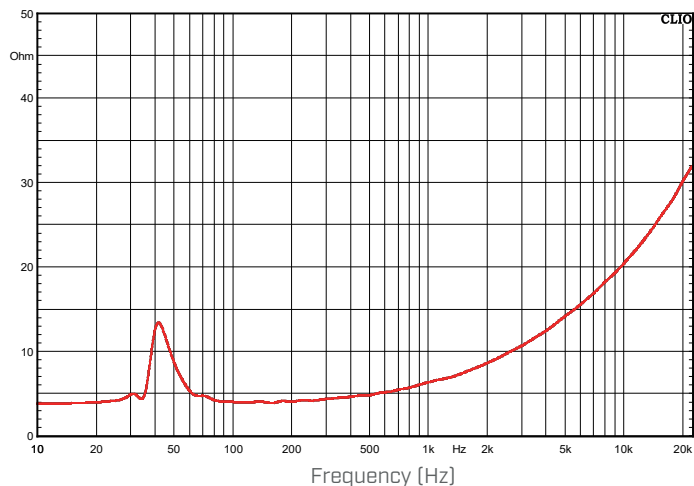
## TS PARAMETERS

Name	Value	Unit	Note
RE	1.700	OHM	Electrical voice coil resistance at DC
FS	45.765	HZ	Driver resonance frequency
MMS	38.137	G	Mechanical mass of driver diaphragm assembly including air load and coil
MMD	36.612	G	Mechanical mass of voice coil and diaphragm with out air load
CMS	0.317	MM/N	Mechanical compliance of driver suspension
CMES	1890.33	UF	Electrical capacitance representing moving mass
LCES	6.398	OHM	Electrical inductance representing driver compliance

Name	Value	Unit	Note
BL	4.491		Force factor BL product
QMS	4.153		Mechanical Q factor of driver in free air considering RMS only
QES	0.924		Electrical Q factor of driver in free air considering RE only
QTS	0.756		Total Q factor considering RE and RMS only
SD	19.4	CM <sup>2</sup>	Diaphragm area
VAS	16.5962	LTR	Equivalent air volume of suspension
RMS	2.64	KG/S	Mechanical resistance of total driver losses

## IMPEDANCE VS FREQUENCY

Magnitude of electric impedance



## TECHNICAL DRAWING

Mounting Depth:	92mm
Mounting Diameter:	198mm
Total Diameter:	211mm
Weight Approx. (Per a Driver):	1.67Kg

