

# PROFESSIONAL GRADE HIGH SPL MIDRANGE OPTIMIZED FOR CUSTOM INSTALLATIONS



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## DETAILED TECHNICAL DATA

Power Handling (Per Driver):	220 WRMS (@0%Thd)
Nominal Impedance:	4 ohm
DC Impedance:	3 ohm
Voice Coil Diameter:	38.5 mm
Voice Coil Layers:	2 layers
Magnet:	120*20 mm
Magnet Type:	Y35 Ferrite

## INSTALLATION POINTS

Failure to observe any of these installation points will invalidate your warranty:

- Ensure you use the correct crossover points.
- Only use correctly rated non-combustible cables.
- Pay close attention to ensure you have the correct phase when installing the new drivers especially with factory wiring.

## TEAM TIPS

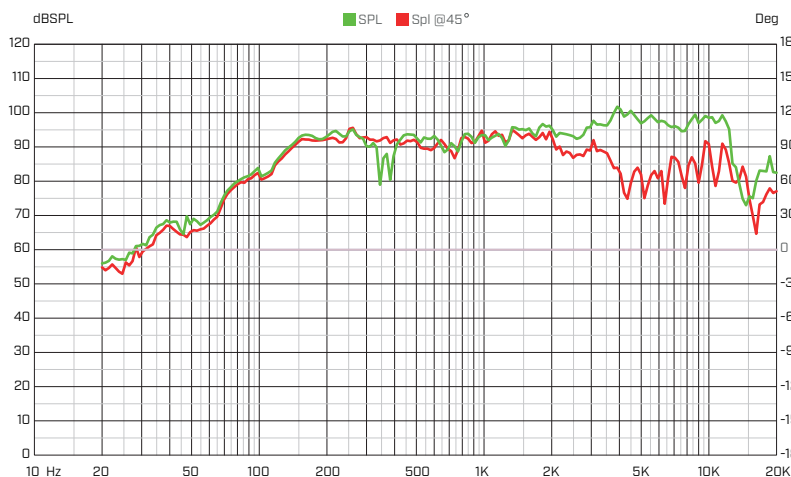
- To get the best results from your installation apply deadening and sound insulation material to the install locations.
- To improve the midbass response locate all locate the speakers as close together as possible.
- For improved overall performance ensure the install location is well braced with no flex. If required use mdf speaker rings.

## TS PARAMETERS

Name	Value	Unit	Note
RE	3.000	OHM	Electrical voice coil resistance at DC
LE	0.046	OHM	Frequency independent part of voice coil inductance
L2	0.365	OHM	Para-inductance of voice coil
R2	2.270		Electrical resistance due to eddy current losses
CMES	179.600	UF	Electrical capacitance representing moving mass
LCES	5.970	MH	Electrical inductance representing driver compliance
RES	58.230	OHM	Resistance due to mechanical losses
FS	153.600	HZ	Driver resonance frequency
MMS	10.533	G	Mechanical mass of driver diaphragm assembly including air load and coil
MMD	8.805	G	Mechanical mass of voice coil and diaphragm with out air load
RMS	1.007	KG/S	Mechanical resistance of total driver losses
CMS	0.102	MM/N	Mechanical compliance of driver suspension
KMS	9.820	N/MM	Mechanical stiffness of driver suspension

Name	Value	Unit	Note
BL	7.658		Force factor BL product
LAMBDA	0.042		Suspension creep factor
QTP	0.501		Total Q factor considering all losses
QMS	10.096		Mechanical Q factor of driver in free air considering RMS only
QES	0.518		Electrical Q factor of driver in free air considering RE only
QTS	0.493		Total Q factor considering RE and RMS only
VAS	2.5399		Equivalent air volume of suspension
MQ	10708.00	%	Reference efficiency (2 PI radiation using RE)
LM	94.530	DB	Sound pressure level (SPL at 1M for 1W @ RE)
LMOM	95.790	DB	Nominal sensitivity (SPL at 1M for 1W @ ZN)
RMSE Z	2.950	%	Root mean square fitting error of driver impedance Z(F)
RMSE HX	1.860	%	Root mean square fitting error of transfer function HX(F)
SERIES RESISTOR	0.000	OHM	Diaphragm area
SD	132.730	CM2	Diaphragm area

## SPL VS FREQUENCY



## TECHNICAL DRAWING

Mounting Depth:	87.3mm
Mounting Diameter:	147mm
Total Diameter:	174.5mm
Weight Approx. (Per a Driver):	2.48KG

