

PROFESSIONAL GRADE HIGH SPL MIDRANGE OPTIMIZED FOR CUSTOM INSTALLATIONS



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DETAILED TECHNICAL DATA

Power Handling (Per Driver):	280 WRMS (@0%Thd)
Nominal Impedance:	4 ohm
DC Impedance:	3 ohm
Voice Coil Diameter:	50.8 mm
Voice Coil Layers:	2 layers
Magnet:	130*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

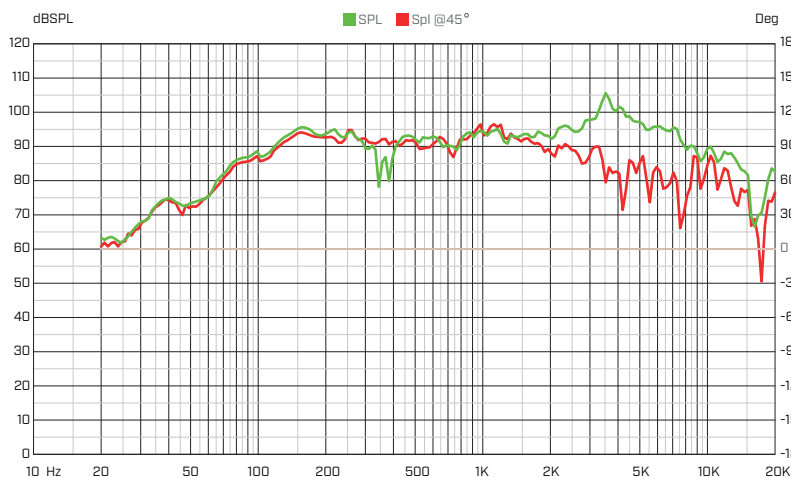
- To get the best results from your installation apply deadening and sound insulation material to the install locations.
- To improve the midbass response locate all locate the speakers as close together as possible.
- For improved overall performance ensure the install location is well braced with no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

TS PARAMETERS

Name	Value	Unit	Note
RE	3.000	OHM	Electrical voice coil resistance at DC
LE	0.064	OHM	Frequency independent part of voice coil inductance
L2	0.380	OHM	Para-inductance of voice coil
R2	2.260		Electrical resistance due to eddy current losses
CMES	263.300	UF	Electrical capacitance representing moving mass
LCES	9.090	MH	Electrical inductance representing driver compliance
RES	73.680	OHM	Resistance due to mechanical losses
FS	102.900	HZ	Driver resonance frequency
MMS	15.998	G	Mechanical mass of driver diaphragm assembly including air load and coil
MMD	12.465	G	Mechanical mass of voice coil and diaphragm with out air load
RMS	0.825	KG/S	Mechanical resistance of total driver losses
CMS	0.150	MM/N	Mechanical compliance of driver suspension
KMS	6.690	N/MM	Mechanical stiffness of driver suspension

Name	Value	Unit	Note
BL	7.795		Force factor BL product
LAMBDA	0.038		Suspension creep factor
QTP	0.534		Total Q factor considering all losses
QMS	12.541		Mechanical Q factor of driver in free air considering RMS only
QES	0.553		Electrical Q factor of driver in free air considering RE only
QTS	0.530		Total Q factor considering RE and RMS only
VAS	9.6782		Equivalent air volume of suspension
MQ	1.831	%	Reference efficiency (2 PI radiation using RE)
LM	94.830	DB	Sound pressure level (SPL at 1M for 1W @ RE)
LMOM	95.730	DB	Nominal sensitivity (SPL at 1M for 1W @ ZN)
RMSE Z	2.940	%	Root mean square fitting error of driver impedance Z(F)
RMSE HX	1.510	%	Root mean square fitting error of transfer function HX(F)
SERIES RESISTOR	0.000	OHM	Diaphragm area
SD	213.820	CM2	Diaphragm area

SPL VS FREQUENCY



TECHNICAL DRAWING

Mounting Depth:	99mm
Mounting Diameter:	187mm
Total Diameter:	209.5mm
Weight Approx. (Per a Driver):	3.05Kg

