PREMIUM GRADE MEDIUM THROW DEEP BASS SUBWOOFER OPTIMISED FOR SEALED OR PORTED ENCLOSURES

IndyS8/2

UPC:	685757152822
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DETAILED TECHNICAL DATA

Power Handling (Per Driver):	500 WRMS (@0%Thd)
Nominal Impedance:	2+2 ohm
DC Impedance:	1.9+1.9 ohm
Voice Coil Diameter:	50.8 mm
Voice Coil Layers:	4
Magnet:	145mm x 40mm
Magnet Type:	Y30 Ferrite

BOX COMPATIBILITY

Recommended Box Type:	Sealed/Ported
Recommended Box Size:	20>40Litres
Optimal Frequency Response:	35>110Hz
Recommended Port Cross Sectional Area (CSA):	10"2>20"2
Recommended Tuning Frequency:	35>50Hz

INSTALLATION POINTS

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

- Do not run this subwoofer infinite baffle.
- Ensure your enclosure is within the specifications listed.
- Only use correctly rated non-combustible cables.

TEAM TIPS

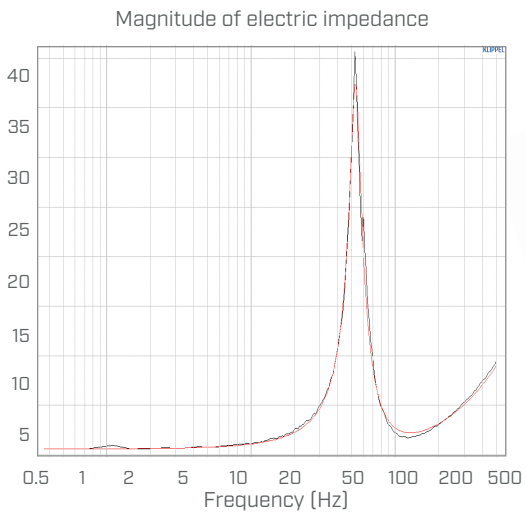
- We recommend to put all subwoofers in your system in a box with a shared air space.
- We do not recommend to run dual coil woofers from separate mono channels or amplifiers. This also applies (but less so) to single coil speakers in the same enclosure air space run from separate mono channels. We always recommend the use of a larger amplifier when possible in this case.
- For setting subwoofers it is possible to make a useful DIY clip detector. Wire an old tweeter and high voltage capacitor (we recommend a 250V 6.8uF.) Next, play a 50Hz tone. Turn the gain up slowly until the tweeter makes a distinctive metallic rasp then back the gain off a small amount until the tweeter stops making the noise. Only use an old tweeter as this can cause damage.

TS PARAMETERS

Name	Value	Unit	Note
RE	5.58	OHM	Electrical voice coil resistance at DC
KRM	0.0074	OHM	Wright inductance model
ERM	0.77		Wright inductance model
KXM	0.0115	OHM	Wright inductance model
EXM	0.85		Wright inductance model
CMES	433.67	UF	Electrical capacitance representing moving mass
LCES	20.81	MH	Electrical inductance representing driver compliance
RES	36.25	OHM	Resistance due to mechanical losses
FS	53	HZ	Driver resonance frequency
MMS	103.029	G	Mechanical mass of driver diaphragm assembly including air load and coil
MMD	99.808	G	Mechanical mass of voice coil and diaphragm without air load
RMS	6.554	KG/S	Mechanical resistance of total driver losses
CMS	0.88	MM/N	Mechanical compliance of driver suspension
KMS	11.42	N/MM	Mechanical stiffness of driver suspension

Name	Value	Unit	Note
BL	15.413	N/A	Force factor BL product
LAMBDA	0.084		Suspension creep factor
QTP	0.769		Total Q factor considering all losses
QMS	5.233		Mechanical Q factor of driver in free air considering RMS only
QES	0.806		Electrical Q factor of driver in free air considering RE only
QTS	0.698		Total Q factor considering RE and RMS only
VAS	5.011	|	Equivalent air volume of suspension
MQ	0.089	%	Ref. efficiency (2 PI radiation using RE)
LM	81.69	DB	Sound pressure level (SPL at 1M for 1W @ RE)
LMOM	80.24	DB	Nom. sensitivity (SPL at 1M for 1W @ ZN)
RMSE Z	7.35	%	Root mean square fitting error of driver impedance Z(F)
RMSE HX	3.44	%	Root mean square fitting error of transfer function HX(F)
SD	201.06	CM2	Diaphragm area
XMAX	15	MM	Total linear movement

FREQUENCY VS IMPEDANCE



TECHNICAL DRAWING

Total Diameter:	215mm	Mounting Depth:	132mm
Weight Approx. (Per a Driver):	5.8Kg	Mounting Diameter:	185mm