# QUALITY BUILD MODULAR FULL RANGE SPEAKER SYSTEM OPTIMIZED FOR OE SOUND UPGRADE

Indy EX69 BASSFACE

## DETAILED TECHNICAL DATA

| | |
|---|---|
| Power Handling (Per Driver): | 2x80 WRMS (@0%Thd) |
| Nominal Impedance: | 4 ohm |
| Sensivitity: | 91 dB |
| Frequency Range: | 55Hz-22KHz |
| Recommend HI Pass crossover: | 5KHz |
| Speaker Type: | 2-Way |

CE RoHS UK CA DESIGNED IN UK MADE IN CHINA

## WPOOFER SPECIFICATION

| | |
|---|---|
| Voice Coil Diamater: | 25.5mm |
| Voice Coil Layers: | 2 layers |
| Winding Material: | KSV |
| Cone : | Injection PP |
| Surround: | Rubber |
| Magnet: | 100X18mm |
| Magnet Type: | Y30 Ferrite |

## TWEETER SPECIFICATION

| | |
|---|---|
| Voice Coil Diamater: | 20.4mm |
| Voice Coil Layers: | 2 layers |
| Winding Material: | ASV |
| Diaphragm Material | Silk |
| Magnet: | 19.5x3 mm |
| Magnet Type: | N38 NEO |

## INSTALLATION POINTS

Failure to observe installation points will invalidate your warranty:

- Remember that power handling is directly linked to the high pass crossover used. To push more power you must raise crossover frequency at the expense of fidelity. This is particularly true for smaller drivers.
- Pay close attention to ensure you have the correct phase when installing the new drivers especially with factory wiring.

## TEAM TIPS

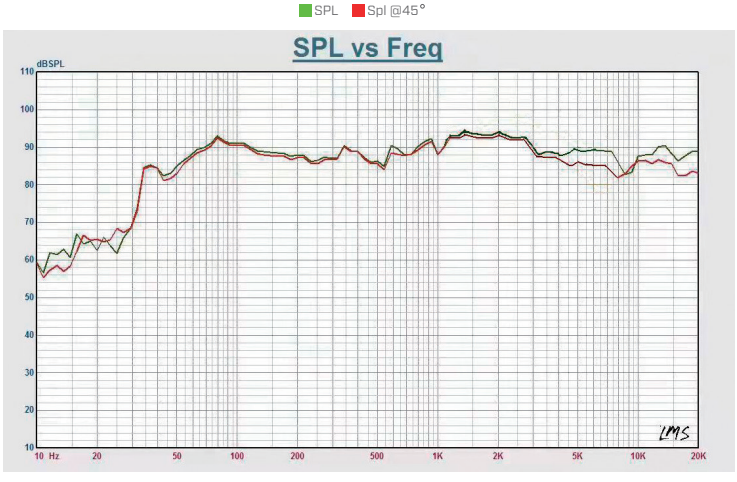
- To get the best results from your installation apply deadening and sound insulation material to the install locations.
- To improve the midbass response locate all locate the speakers as close together as possible.
- For improved overall performance ensure the install location is well braced with no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

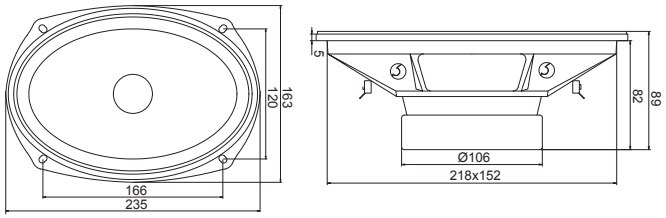
## TS PARAMETERS

| Name | Value | Unit | Note |
|---|---|---|---|
| RE | 3.6 | OHM | Electrical voice coil resistance at DC |
| LE | 0.3 | mH | Frequency independent part of voice coil |
| FS | 85 | HZ | Driver resonance frequency |
| MMS | 16.8 | G | Mechanical mass of driver diaphragm assembly including air load and coil |
| MMD | 17.4 | G | Mechanical mass of voice coil and diaphragm with out air load |
| CMS | 0.25 | MM/N | Mechanical compliance of driver suspension |

| Name | Value | Unit | Note |
|---|---|---|---|
| BL | 4.4 | N/A | Force factor BL product |
| QMS | 3.26 | | Mechanical Q factor of driver in free air considering RMS only |
| QES | 1.51 | | Electrical Q factor of driver in free air considering RE only |
| QTS | 1.03 | | Total Q factor considering RE and RMS only |
| SD | 218.9 | $CM^2$ | Diaphragm area |

## SPL VS FREQUENCY




## TECHNICAL DRAWING

| | |
|---|---|
| Mounting Depth: | 82mm |
| Mounting Diameter: | 218X152mm |
| Total Diameter: | 256X181mm |
| Weight Approx. (Per a Set): | 3Kg |