

IDQ 12D2 V.4

SPEAKER SPECIFICATIONS

| | | |
|------|--------------------------|--------------------|
| IMP | Dual 2 Ohm | Nominal Impedance |
| Re | 1.90 Ohms | DC Resistance |
| Fs | 30.47Hz | Resonant Frequency |
| Qes | 0.59 | Electrical "Q" |
| Qms | 4.40 | Mechanical "Q" |
| Qts | 0.52 | Total "Q" |
| Vas | 2.46 cuft (69.72 liters) | Equivalent Volume |
| Xmax | 28 mm | Peak Excursion |
| Sd | 519.45 cm ² | Piston Area |
| SPL | 87.10 dB | Sensitivity w/m |
| Pwr | 750 | RMS Power |

SPECIFICATIONS SUBJECT TO CHANGE OR IMPROVEMENT WITHOUT NOTICE

DIMENSIONS



| | | |
|----------------------|-----------|---------------|
| Speaker displacement | 0.10 cuft | (2.83 liters) |
| Mounting Depth | 150.00 mm | (5.91 in) |
| Cut Out Diameter | 276.00 mm | (10.87 in) |
| Srew Holes Diameter | 301.00 mm | (11.85 in) |
| Outside Diameter | 316.40 mm | (12.46 in) |

BOTH VOICE COILS MUST BE USED AT ALL TIMES

ENCLOSURE SPECIFICATIONS

| | COMPACT / SMALL | UNIVERSAL/INTERMEDIATE | AUDIOPHILE/LARGE |
|-----------------------------|-----------------------------|--------------------------|---------------------------|
| SEALED VOLUMES GROSS | | | |
| 3db In Car (F3) / Qtc | 0.65 cu.ft. 50 Hz / 1.14 | 1 cu.ft. 45 Hz / 0.97 | 1.8 cu.ft. 42 Hz / 0.8 |
| PORTED VOLUMES GROSS | | | |
| Port Frequency | 1 cu. ft. 40 Hz | 1.5 cu. ft. 35 Hz | 2 cu. ft. 30 Hz |
| 3db In Car (F3) | 42 Hz | 36 Hz | 31 Hz |
| Round Port Dimensions | 4" X 18.25" | 4" X 15.5" | 4" X 15.9" |
| Round Port Displacement | 0.13 cu.ft. | 0.11 cu.ft. | 0.12 cu. Ft. |
| Slot Port Opening | 12 x 1.5 in. | 12 x 1.5 in. | 12 x 1.5 in. |
| Slot Port Length | 26.82" | 22.90" | 23.45" |
| Slot Port Displacement | 0.28 cu.ft | 0.24 cu.ft. | 0.24 cu.ft |

*When using slot port, remember to account for material thickness displacement.

SINGLE REFLEX BANDPASS

Net rear volume
Net front volume
Front ported frequency
Port Qty. and Dimensions

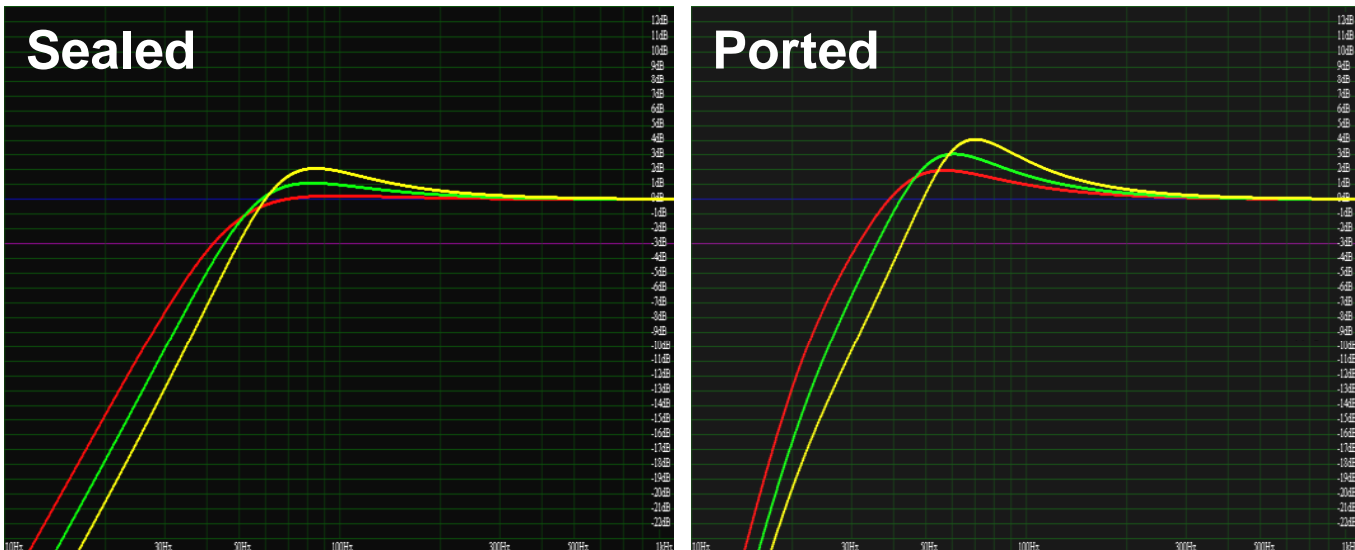
Please call for assistance

IDQ12 D2 V.4 IN CAR RESPONSE CURVES

— Compact / Minimum Volume
— Universal / Recommended Volume
— Audiophile/ Maximum Volume

*Contact Tech for special application enclosures.

**Enclosure volume does not include Port & speaker displacements.



SEALED ENCLOSURES ARE VERY STRONGLY SUGGESTED FOR MOST LISTENERS

FOR FURTHER TECHNICAL SUPPORT PLEASE CALL 866-933-1414 OR EMAIL tech@imagedynamicsusa.net

ENCLOSURE RECOMMENDATIONS

IMAGE DYNAMICS USA LIMITED WARRANTY

IMAGE DYNAMICS USA warrants this product is free from defects in material and workmanship for a period of 2 (two) years from date of original purchase when installed by an authorized retailer or in a retailer approved installation, this must be indicated in writing on the original sales receipt.

Ninety (90) days if not installed by an authorized dealer or in an authorized retailer approved installation.

This warranty is not transferable and applies only to the original retail purchaser of the product from an authorized IMAGE DYNAMICS Retailer. Upon inspection by IMAGE DYNAMICS should service be necessary under this warranty for any reason due to manufacturing defects IMAGE DYNAMICS USA will, at its sole discretion, repair or replace the defective product with new or re-manufactured product at no charge.

This warranty is limited and does not cover claims for damage caused by misuse, abuse, neglect, alteration, or burnt or overheated voice coils, normal wear and tear, and is limited to material failures or defects arising during normal use in a dealer approved installation.

All warranty returns should be sent to IMAGE DYNAMICS USA freight prepaid through an authorized IMAGE DYNAMICS retailer and must be accompanied by proof of purchase (**a copy of the original sales receipt**). Direct returns from consumers or non-authorized retailers will be refused unless specifically authorized by IMAGE DYNAMICS customer service with a valid return authorization number. This warranty does not cover the cost of removing or reinstalling the speakers.

All warranty returns must be packaged in original retail packaging and be accompanied by a copy of the original sales receipt. Products damaged in shipment due to improper packaging will not be covered under this warranty.

No other warranties are expressed or implied.

In no event will IMAGE DYNAMICS be liable for incidental, consequential, or other damages resulting from the use of this product, this includes but is not limited to: damage to hearing, property or person, damage based upon inconvenience or on loss of use of the product, and to the extent permitted by law, damages for personal injury.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. This warranty applies to products sold and used in the United States of America. In all other countries, contact your distributor. If you have any questions please contact customer service 866-933-1414.

CAUTION:

THESE PRODUCTS ARE CAPABLE OF VERY HIGH SOUND PRESSURE LEVELS. PROLONGED EXPOSURE TO SOUND PRESSURE LEVELS IN EXCESS OF 100DB CAN CAUSE PERMANENT HEARING LOSS. PLEASE LISTEN USING COMMON SENSE AND RESTRAINT.

IDQ 12D2 V.4

ULTRA LOW FREQUENCY, ULTRA LONG EXCURSION TRANSDUCER



**THIELE SMALL PARAMETERS AND
ENCLOSURE RECOMMENDATIONS**

Image is everything...