

## IDMAX12D4 V.4

### SPEAKER SPECIFICATIONS

IMP	Dual 4 Ohm	Nominal Impedance
Re	3.00 Ohms	DC Resistance
Fs	27.77 Hz	Resonant Frequency
Qes	0.73	Electrical "Q"
Qms	2.98	Mechanical "Q"
Qts	0.58	Total "Q"
Vas	2.55 cuft (72.16 liters)	Equivalent Volume
Xmax	39 mm	Peak Excursion
Sd	545.00 cm <sup>2</sup>	Piston Area
SPL	85.20 dB	Sensitivity w/m
BL	16.68 Tm	Force Factor
Pwr	1000	RMS Power

SPECIFICATIONS SUBJECT TO CHANGE OR IMPROVEMENT WITHOUT NOTICE

### DIMENSIONS



Speaker displacement	0.14 cuft (3.96 liters)
Mounting Depth	207 mm (8.15 in)
Cut Out Diameter	280 mm (11.02 in)
Screw Hole Diameter	296 mm (11.65 in)
Outside Diameter	315 mm (12.40 in)

**BOTH VOICE COILS MUST BE USED AT ALL TIMES**

### ENCLOSURE SPECIFICATIONS

	COMPACT	UNIVERSAL/RECOMMENDED	AUDIOPHILE
<b>SEALED VOLUMES GROSS</b>	<b>0.65 cu.ft.</b>	<b>1 cu.ft.</b>	<b>1.8 cu.ft.</b>
<b>3db In Car (F3) / Qtc</b>	<b>44 Hz / 1.19</b>	<b>40Hz / 1.01</b>	<b>37 Hz / 0.83</b>
<b>PORTED VOLUMES GROSS</b>	<b>1.25 cu. Ft.</b>	<b>1.75 cu. Ft.</b>	<b>2.25 cu. Ft.</b>
<b>Port Frequency</b>	<b>40 Hz</b>	<b>35 Hz</b>	<b>30 Hz</b>
<b>-3db In Car (F3)</b>	<b>37 Hz</b>	<b>32 Hz</b>	<b>28 Hz</b>
<b>Round Port Dimensions</b>	<b>4" X 14"</b>	<b>4" X 12.87"</b>	<b>4" X 13.8"</b>
<b>Round Port Displacement</b>	<b>0.10 cu.ft.</b>	<b>0.9 cu.ft</b>	<b>0.10 cu.ft</b>
<b>Slot Port Opening</b>	<b>10 X 1.5 in.</b>	<b>10 X 1.5 in.</b>	<b>10 X 1.5 in.</b>
<b>Slot Port Length</b>	<b>17.02"</b>	<b>15.66"</b>	<b>16.77"</b>
<b>Slot Port Displacement</b>	<b>0.15 cu.ft</b>	<b>0.14 cu.ft.</b>	<b>0.15 cu.ft</b>

\*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*

### IDMAX12 D4 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**



**Ported**



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.**

# **IDMAX 12D4 V.4**

ULTRA LOW FREQUENCY, ULTRA LONG EXCURSION TRANSDUCER



**10D2 V.4**

**12D2 V.4**

**15D2 V.4**

**10D4 V.4**

**12D4 V.4**

**15D4 V.4**

**THIELE SMALL PARAMETERS AND  
ENCLOSURE RECOMMENDATIONS**

*Image is everything...*

## IDMAX12D2 V.4

### SPEAKER SPECIFICATIONS

IMP	Dual 2 Ohm	Nominal Impedance
Re	1.65 Ohms	DC Resistance
Fs	26.51 Hz	Resonant Frequency
Qes	0.63	Electrical "Q"
Qms	2.96	Mechanical "Q"
Qts	0.52	Total "Q"
Vas	2.74 cuft (77.51 liters)	Equivalent Volume
Xmax	39 mm	Peak Excursion
Sd	545.00 cm <sup>2</sup>	Piston Area
SPL	85.50 dB	Sensitivity w/m
BL	13.01 Tm	Force Factor
Pwr	1000	RMS Power

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### DIMENSIONS



Speaker displacement	0.14 cuft (3.96 liters)
Mounting Depth	207 mm (8.15 in)
Cut Out Diameter	280 mm (11.02 in)
Screw Hole Diameter	296 mm (11.65 in)
Outside Diameter	315 mm (12.40 in)

**BOTH VOICE COILS MUST BE USED AT ALL TIMES**

### ENCLOSURE SPECIFICATIONS

	COMPACT	NORMAL/RECOMMENDED	AUDIOPHILE
<b>SEALED VOLUMES GROSS</b>	<b>0.65 cu.ft.</b>	<b>1 cu.ft</b>	<b>1.8 cu.ft</b>
<b>3db In Car (F3) / Qtc</b>	<b>44 Hz / 1.19</b>	<b>40Hz / 1.01</b>	<b>37 Hz / 0.83</b>
<b>PORTED VOLUMES GROSS</b>	<b>1.25 cu. Ft.</b>	<b>1.75 cu. Ft.</b>	<b>2.25 cu. Ft.</b>
<b>Port Frequency</b>	<b>40 Hz</b>	<b>35 Hz</b>	<b>30 Hz</b>
<b>-3db In Car (F3)</b>	<b>37 Hz</b>	<b>32 Hz</b>	<b>28 Hz</b>
<b>Round Port Dimensions</b>	<b>4" X 14"</b>	<b>4" X 12.87"</b>	<b>4" X 13.8"</b>
<b>Round Port Displacement</b>	<b>0.10 cu.ft.</b>	<b>0.9 cu.ft</b>	<b>0.10 cu.ft</b>
<b>Slot Port Opening</b>	<b>10 X 1.5 in.</b>	<b>10 X 1.5 in.</b>	<b>10 X 1.5 in.</b>
<b>Slot Port Length</b>	<b>17.02"</b>	<b>15.66"</b>	<b>16.77"</b>
<b>Slot Port Displacement</b>	<b>0.15 cu.ft</b>	<b>0.14 cu.ft.</b>	<b>0.15 cu.ft</b>

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

#### SINGLE REFLEX BANDPASS

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Port Qty. and Dimensions

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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.

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