



# IDQ 10 D2 V.3

## SPEAKER SPECIFICATIONS

IMP	1/4 ohms	Nominal Impedance
Re	1.025/ 4.1 Ohms	DC Resistance
Fs	25.528 Hz	Resonant frequency
Qes	.470	Electrical "Q"
Qms	2.100	Mechanical "Q"
Qts	.384	Total "Q"
Vas	2.5 cuft (71 liters)	Equivalent volume
Xmax	19.0 mm	One way linear
Sd	399.1 cm2	Cone Area
Splo	85 dB	Sensitivity
Pwr	50/500 Watts	POWER Range

SPECIFICATIONS SUBJECT TO CHANGE OR IMPROVEMENT WITHOUT NOTICE

## DIMENSIONS



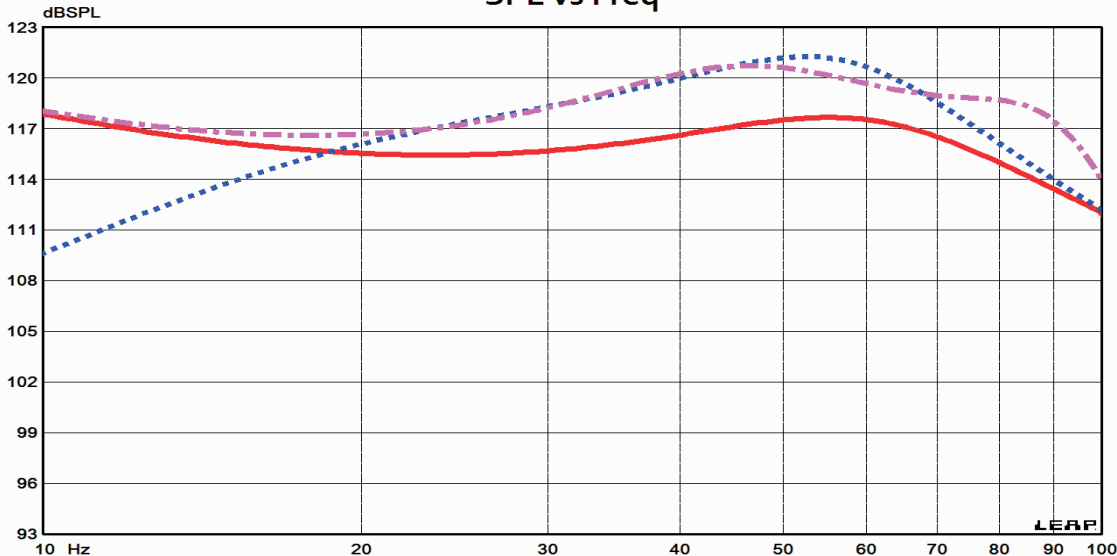
Speaker displacement 0 .05 cuft.

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

## ENCLOSURE SPECIFICATIONS

	<u>Audiophile</u> ( Large Box )	<u>Universal</u> ( Intermediate Box )	<u>Compact</u> ( Small Box )
<b>SEALED VOLUMES GROSS</b> Infinite Baffle Ready	1.1 cu.ft ( 31.148 L )	.75 cu.ft ( 21.237 L )	.55 cu.ft ( 15.574 L )
<b>PORTED VOLUMES GROSS</b> Ported Frequency Port Dimensions	1.5 cu. ft. 28hz 4" Round X 19.231" long	1.2 cu. ft. 30hz 3" Round X 11.4" long	1 cu. ft. 34hz 3" Round X 10.57" long
<b>BANDPASS VOLUME GROSS</b> Ported Frequency Port Dimensions Box volumes:	1.75 cu.ft 65 hz 4" Round X 5.46" long Front ( ported ) .75 cu.ft Rear ( sealed ) 1.0 cu.ft	1.5 cbft 61 hz 4" Round X 6.6 long Front (Ported) .75 cu.ft Rear (Sealed) .75 cu.ft	N/A

## SPL vs Freq



Map  
— 31: iDQ 10 v.3 sealed .75 "uni"  
- - - 34: iDQ 10 v.3 ported 1.2 "uni"  
- . - . 37: Bandpass iDQ 10 d2 v.3 1.5 cbft

Notes  
 iDQ 10 v.3 Ported 1.2 cbft "uni" tuned at 30 hrz  
 iDQ 10 v.3 Sealed .75 cu.ft " uni"  
 iDQ 10 v.3 bandpass 1.5 cu.ft "uni"  
 3db scale  
 Power scale 300 watts  
 All designs are in car response curves  
 Results will change from car to car.

LEAP Enclosure Shop

Person: Matt Borgardt (aka. iDTech)  
 Company: Image Dynamics Usa

Project: iDQ 10 box design  
 File: iDQ 10 v.3.led

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 Fri 8:04 am

LINEAR SYSTEMS

FOR FURTHER TECHNICAL HELP PLEASE CALL 866 933 1414 or go to [www.imagedynamicsusa.com/forum](http://www.imagedynamicsusa.com/forum)

ENCLOSURE RECOMMENDATIONS