DUB EDITION DUBw10 TECHNICAL DATA

Key Features

- 2” High Temperature Voice Coil with 10mm Xmax
- Heavy Duty Motor Structure with 30 oz Magnet
- Power Handling: 250 Watts RMS, 1000 Watts Peak
- Sensitivity (2.83V/1M): 89.5dB
- Injected Molded Polypropylene Cone
- Nitrile Rubber Surround for excellent damping
- Nomex-reinforced spiders for excellent linearity
- Klippel laser-optimized magnet systems for deep bass performance
- Optimized “Q” for Closed and Ported Enclosures
- Reinforced black textured, low-resonance steel basket
- Grilles Included

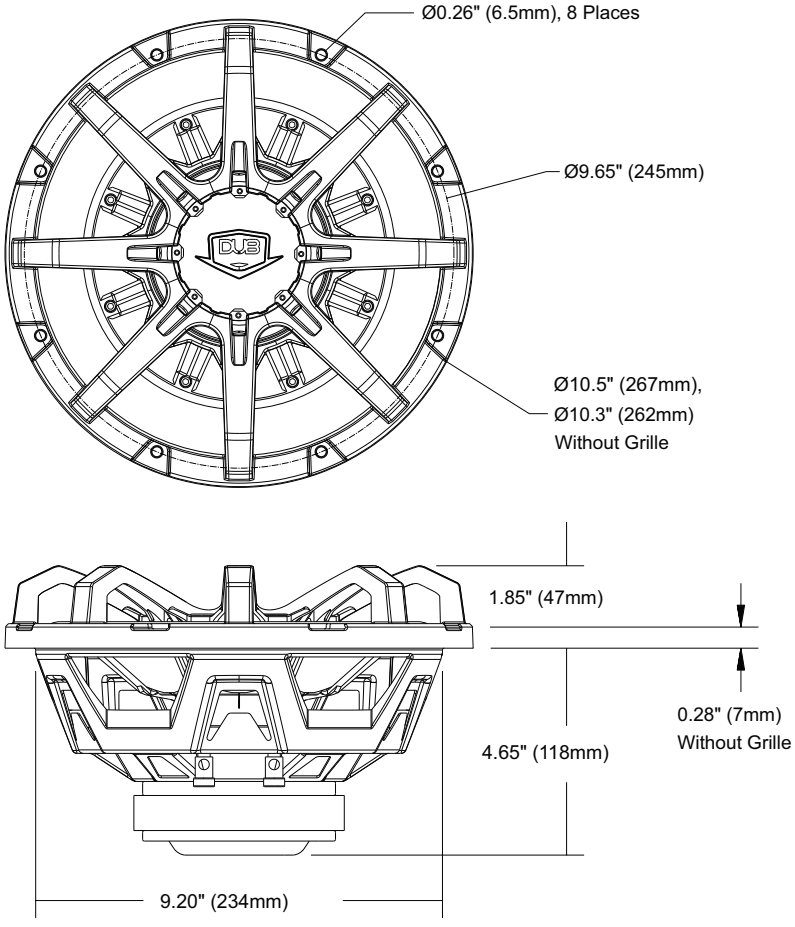
Características Principales

- Bobina de alta temperatura de 5cm (2”) reforzada con Xmax de 10mm
- Estructura de motor reforzada con imán de 0.85 kg (30 onzas)
- Capacidad de potencia 250 Vatios RMS, 1000 Vatios Máxima
- Sensibilidad (2.83V/1M): 89.5dB
- Cono de polipropileno moldeado por inyección
- Bordes de goma de nitrilo para una amortiguación excelente
- Spider reforzados con Nomex para una excelente linealidad
- Sistemas de imanes Klippel optimizados a láser proveen un profundo rendimiento de graves
- “Q” optimizado para gabinetes cerrados y con puertos
- Gabinete de acero de baja resonancia, resistente a deformaciones, negro
- Con rejillas

Caractéristiques Principales

- Bobine à Haute Température avec 10mm Xmax
- Heavy Duty Structure de moteur avec Aimant de 30oz
- Manipulation de puissance: 250 Watts RMS, 1000 Watts Maximum
- Sensibilité (2.83V/1M): 89.5dB
- Des cônes de caisson de basse à polypropylène à moulé par injection
- De la suspensions en caoutchouc nitrile pour un amortissement excéllent
- Spider Nomex renforcés pour une excellente linéarité
- Des systèmes d'aimants optimisés à laser Klippel fournissent une performance de basse profund
- Optimisé "Q" pour fermé et porté Boîtiers
- Noir, résistant à la déformation, résonance basse panier en acier
- Des grilles inclues

Dimensions



Specifications/Caractéristiques/Espicificaciones

Power Handling (RMS)	250W
Power Handling (Peak)	1000W
Frequency Response	25-250Hz
Efficiency	93dB (1W in-car)
	89.5dB (2.83V/1m)
	86.5dB (2V/1m)
Voice Coil Diameter	2” (50mm)
Impedance	4 ohms
Nom. Diameter	10” (250mm)
Outer Diameter	10.5” (267mm)
Cutout Diameter	9.20” (234mm)
Mounting Depth	4.65” (118mm)
Grille Height	1.85” (47mm)

Thiele-Small Parameters/Parámetros/Paramètres

Fs	30.4Hz
Qts	0.55
Qes	0.64
Qms	4.22
Vas	1.34ft^3
	37.9L
Cms	0.24mm/N
Sd	332cm^2
Mms	113g
Mmd	106g
BL	10.80
Revc	3.44 ohms
Xmax (linear)	+/-10mm
	+/-0.40in
Xmech (peak)	+/-22mm
	+/-0.87in

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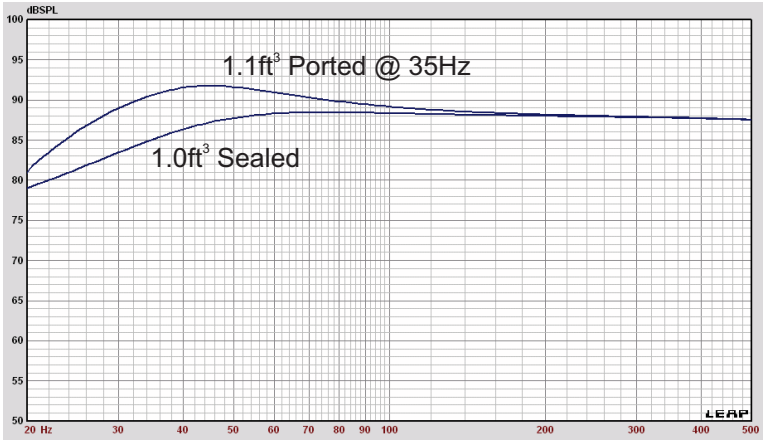
Recommended Enclosure Dimensions

Attention
- Use 3/4” MDF
- Use wood glue in joints
- Use screws every 4 inches
- Seal cracks inside box
- Dimensions are external

Attention
- Utilisez avec MDF de 3/4”
- Appliquez de la colle à bois dans les onglets
- Placez les vis tous 4”
- Bouches les fissures à l’intérior de la boîte
- Les dimensions indiquées sont celles à l’extérieur

Atención
- Use una tabla de MDF de 3/4”
- Use pegamento para madera en las uniones
- Use tornillos cada 4”
- Selle las grietas adentro de la caja
- Dimensiones externas



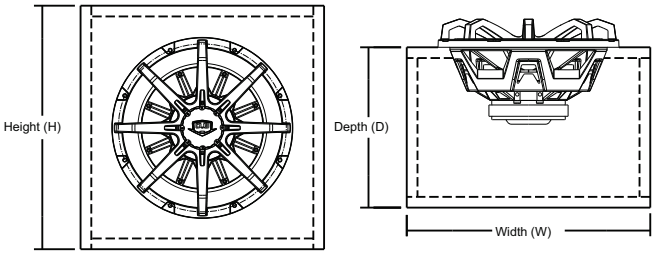
Sealed Enclosure

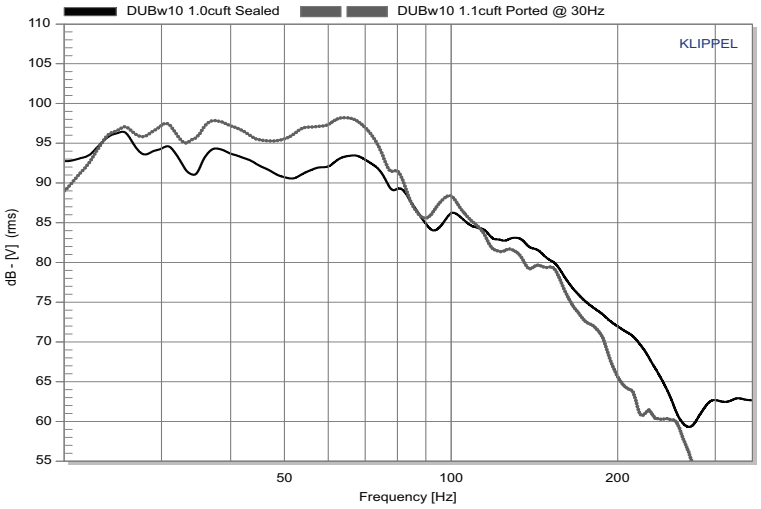
Fill all sealed enclosures loosely (8 oz per cubic foot) with polyester batting or similar material for best bass performance

Thumpin’
Enclosure Volume (Internal) = 0.5 ft^3 (Vb)
Example Dimensions: 12”H x 12”W x 10”D
F3 = 44Hz, Qtc = 1.1

Hard Hitting
Enclosure Volume (Internal) = 0.75 ft^3 (Vb)
Example Dimensions: 12”H x 14”W x 12”D
F3 = 42Hz, Qtc = 0.95

Bangin’ Bottom End
Enclosure Volume (Internal) = 1.0 ft^3 (Vb)
Example Dimensions: 12”H x 18”W x 12”D
F3 = 39Hz, Qtc = 0.9





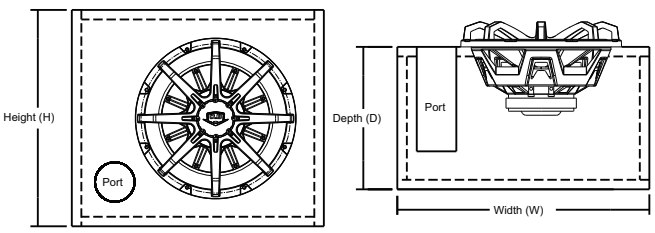
Vented Enclosure

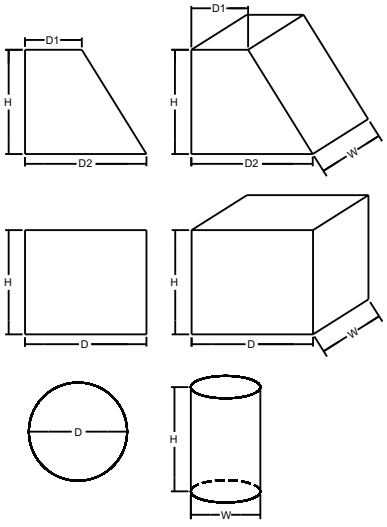
Line four walls of vented enclosures with 2” thick polyester batting or similar material for best bass performance

Thumpin’
Enclosure Volume (Internal) = 0.65 ft^3 (Vb)
Example Dimensions: 12”H x 12.5”W x 12”D
Port: 2.5” Inside Diameter (ID) x 14.5” Long
FB = 35Hz, F3 = 39Hz

Hard Hitting
Enclosure Volume (Internal) = 0.85 ft^3 (Vb)
Example Dimensions: 12”H x 15.5”W x 12”D
Port: 2.5” Inside Diameter (ID) x 13.0” Long
FB = 32Hz, F3 = 36Hz

Bangin’ Bottom End
Enclosure Volume Internal = 1.1 ft^3 (Vb)
Example Dimensions: 12”H x 19.5”W x 12”D
Port: 2.5” Inside Diameter (ID) x 11.25” Long
FB = 30Hz, F3 = 32Hz





Common Math
Trapezoid Area = H x (D1+D2)/2
Trapezoid Volume = H x (D1+D2)/2 x W
Rectangle Area = H x D
Rectangular Box = H x W x D
Circle Area = 0.79 x D x D
Port Volume = 0.79 x D x D x H

Common Conversions
Cubic Feet = Cubic Inches / 1728
Cubic Feet = Liters / 28.3
Liters = Cubic Feet x 28.3
Inches = Meters x 2540
Square Inches = Square Feet / 144