

SD-12EL Low Frequency Transducer

SD-Series

Heavy Duty



General Specifications

Nominal Diameter	305	mm	12	Inch
Rated Impedance	8	ohm		
Operating Bandwidth	45	Hz	- 800	Hz
Power Handling Capacity	600	W (rms)		
Sensitivity 2.83 V, 1M	91	dB		
Effective Piston Diameter	260	mm	10.20	Inch
Voice Coil Diameter	114.30	mm	4.5	Inch

Thiele - Small Parameters

Resonance Frequency	Fs	59.6	Hz
DC Resistance	Re	6.6	ohm
Mechanical Q Factor	Qms	5.094	
Electrical Q Factor	Qes	0.632	
Total Q Factor	Qts	0.562	
BL Factor	BL	20.47	TM
Effective Moving Mass	Mms	107.06	gr
Equivalent Cas air load	Vas	26.64	liters
Effettive piston area	Sd	0.0530	m ²
Voice - coil inductance @ 1KHz	Le	0.72	mH
Half-space efficiency	Eff	1.86	%
Airgap Height	Hag	12.0	mm
Voice coil Height	Hvc	25.0	mm
Voice Coil Over-Hung	Xmax	6.5	mm

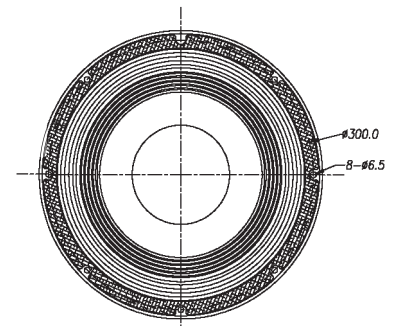
Physical Information

Basket
Magnet type,size ODxDxH (mm)
Voice coil Former

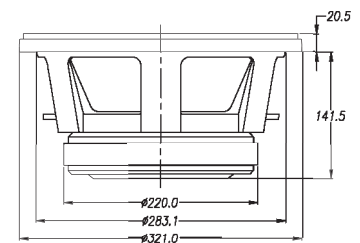
Voice coil Material

Cone Material
Surround
Dust Cap
Packing Quantity
Unit Weight /piece
Gross Weight / piece
Packing Dimension WxLxH (mm)

Die Cast Aluminum
 220X 127 X 25 Ferrite 111.7 oz.
 Glass Fiber Bobbin (Ployimide)
 High Temp 400°C
 Aluminum Wire (inside & outside)
 High Temp 300°C
 Pulp Paper
 Treated Cloth
 Paper
 1 Piece / Pack
 11.5Kg (25.3Lb)
 12.6Kg (27.7Lb)
 355 X 355 X 210
 14in X 14in x 8.2in
 0.93 Cu.Ft.



TOP VIEW



SIDE VIEW

