

E-SERIES

E12-300S LOW & BASS TRANSDUCER

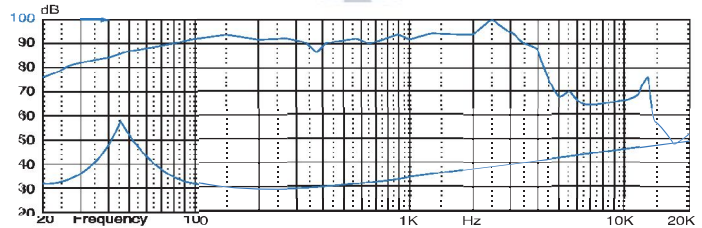
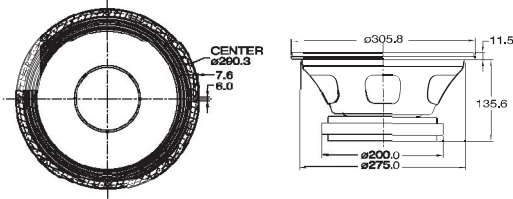
GENERAL SPECIFICATIONS

Power Rating	: 300-600	Watts
Nominal Chassis Diameter	: 305	mm (12 in)
Nominal Impedance	: 4-8	ohm
Sensitivity (1w/1m)	: 99	dB
Magnet Weight	: 2.56	Kg (90.26 oz)
Resonant Frequency	Fs : 47	Hz
Impedance	Re : 5.6	ohm
Electromagnetic Q	Qes : 0.25	
Mechanical Q	Qms : 6.65	
Total Q	Qts : 0.24	
Compliance Equivalent Volume	VAS : 69.85	Liters
Surface Area of Cone	Sd : 510	cm ²
Reference Efficiency	o : 2.74	%
Voice Coil Overhang	Xmax : 4.5	mm
Diaphragm Mass Inc Airload	Mms : 60.62	Gram
BL Product	BL : 20.16	TM
Coil Inductance	Le : 1.30	mH
Gross Weight	: 8.3	Kg (1.6 Lb)
Dimension(H x W x D)	: 345 mm X 345mm X 195mm	
	: 13.6in X 13.6in X 7.7in	
	: 0.13 Cu.Ft.	



MATERIALS OF CONSTRUCTION

APS ferrite magnet. Pressed steel chassis. Paper cone.
Plasticised cloth (linen) cone edge. Solid composition paper dust cap,
3" round copper wire voice coil. Kapton former.



E12-250N MID & BASS TRANSDUCER

GENERAL SPECIFICATIONS

Nominal Diameter	: 310	mm	12	Inch
Rated Impedance	: 8	Ohm		
Operating Bandwidth	: 40	Hz	4000	Hz
Power Handling Capacity	: 200	W(rms)		
Sensitivity 2.83 V, 1M	: 97.0	dB		
Effective Piston Diameter	: 260	mm	10.2	Inch
Voice Coil Diameter	: 51.33	mm	2	Inch

Thiel - SMALL PARAMETERS

Resonance Frequency	Fs	: 38.0	Hz
DC Resistance	Re	: 5.6	ohm
Mechanical Q Factor	Qms	: 5.460	
Electrical Q Factor	Qes	: 0.393	
Total Q Factor	Qts	: 0.367	
BL Factor	BL	: 12.69	TM
Effective Moving Mass	Mms	: 47.32	gr
Equivalent Casair Load	Vas	: 147.99	liters
Effective Piston Area	Sd	: 0.0530	m ²
Voice - Coil Inductance @ 1KHz	Le	: 0.40	mH
Half-Space Efficiency	Eff	: 2.04	%
Airgap Height	Hag	: 8.0	mm
Voice Coil Height	Hvc	: 12.0	mm
Voice Coil Over-Hung	Xmax	: 2.0	mm

PHYSICAL INFORMATION

Basket	: Black Stamp Steel
Magnet Type	: Neodymium 2.8 oz
	: Size ODxDxH (mm)
	: 50 X 0 X 8
Voice Coil Former	: Fiber Glass Bobbin Ployimide
	: High Temp 400°C
Voice Coil Material	: Copper Wire In- Out
	: High Temp 300°C
Cone Material	: Pulp Paper
Surround	: Treated Cloth
Dust Cap	: Paper
Damper	: Cotton
Packing Quantity	: 1 Piece / Pack
Net Weight	: 1.74 Kg 3.82 Lb
Gross Weight	: 2.24 Kg 4.92 Lb
Packing Dimension WxLxH (mm)	: 340 X 340 X 200
	: 13.3in X 13.3in X 7.8in
	: 0.82 Cu.Ft

