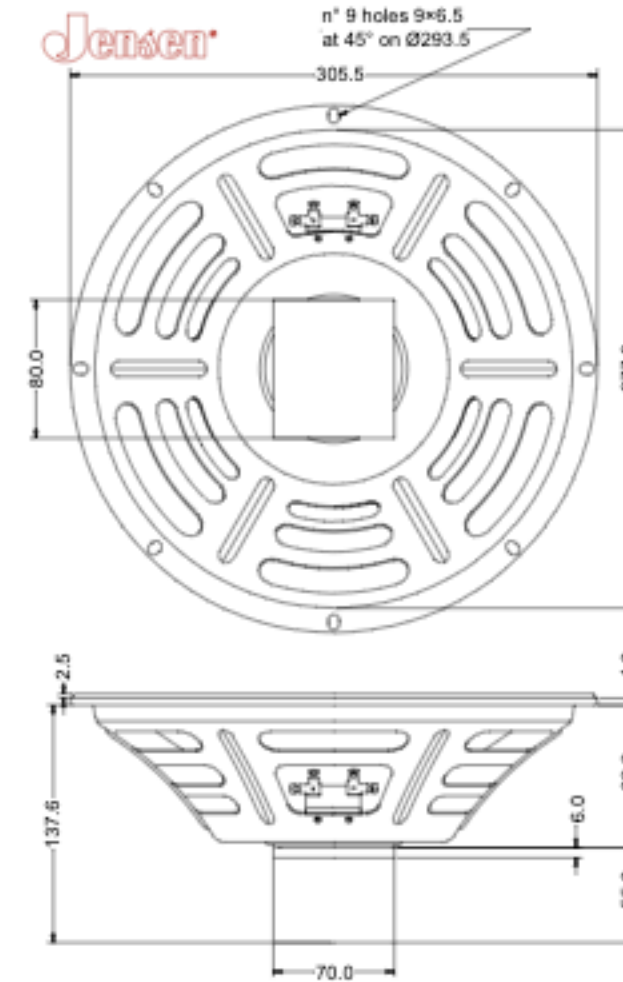


General Characteristics		
Nominal Overall Diameter	306 mm	12 in
Nominal Voice Coil Diameter	32 mm	1.26 in
Magnet Weight	300 g	11 oz
Overall Weight	1.9 kg	4.19 lbs
Flux Density		0.98 T
Voice Coil Winding Depth	8 mm	0.31 in
Magnetic Gap Depth	6 mm	0.24 in

Thiele-Small Parameters		8Ω	16Ω	32Ω	
Voice Coil DC Resistance	$R_E$	5.6	12.45	25.2	Ω
Resonance Frequency	$f_S$	90.5	90	85.6	Hz
Mechanical Q Factor	$Q_{MS}$	11.57	12.68	10.94	
Total Q Factor	$Q_{TS}$	2.03	2.3	2.55	
Mechanical Moving Mass	$M_{MS}$	26.8	25.9	25.3	g
Mechanical Compliance	$C_{MS}$	115	122	138	μm/N
Force Factor	$B \times L$	5.88	8.05	10.15	Wb/m
Equivalent Acoustic Volume	$V_{AS}$	39.5	41.2	46.6	lt.
Maximum Linear Displacement	$X_{MAX}$	±1	±1	±1	mm
Reference Efficiency	$\eta_D$	1.42	1.02	0.84	%
Diaphragm Area	$S_D$	490.9	490.9	490	cm <sup>2</sup>
Losses Electrical Resistance	$R_{ES}$	25.5	56.3	82.7	Ω
Voice Coil Inductance @ 1kHz	$L_E$	0.67	0.6	1.59	mH
Electrical Q Factor	$Q_{ES}$	2.46	2.81	3.33	

Constructive Characteristics	
Magnet	Alnico
Voice Coil Winding	Copper
Voice Coil Former	Nomex
Cone Material	Paper
Surround Material	Integrated Paper
Dust Dome Material	Solid Paper
Basket Material	Pressed Sheet Steel
Surround Treatment	No

Electrical Characteristics	8Ω	16Ω	32Ω	
Nominal Impedance	8	16	32	Ω
Rated Power	40	40	40	W
Musical Power	80	80	80	W
Sensitivity@1W,1m	94.4	96.1	92.3	dB



Note: all dimensions are in mm.

Frequency Response on IEC Baffle (DIN45575) @ 1W, 1 m - Free Air Impedance

