



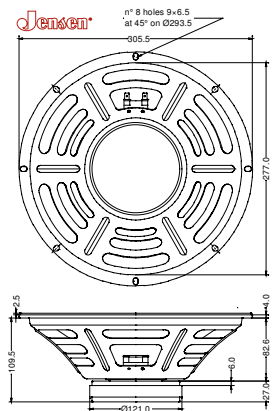
12" - 70 W Mod Series Loudspeaker  
Mod 12-70 - 4Ω / 8Ω / 16Ω

General Characteristics			
Nominal Overall Diameter		306 mm	12 in
Nominal Voice Coil Diameter		38 mm	1.5 in
Magnet Weight		640 g	23 oz
Overall Weight		2.4 kg	5.29 lbs
Flux Density			1.16 T

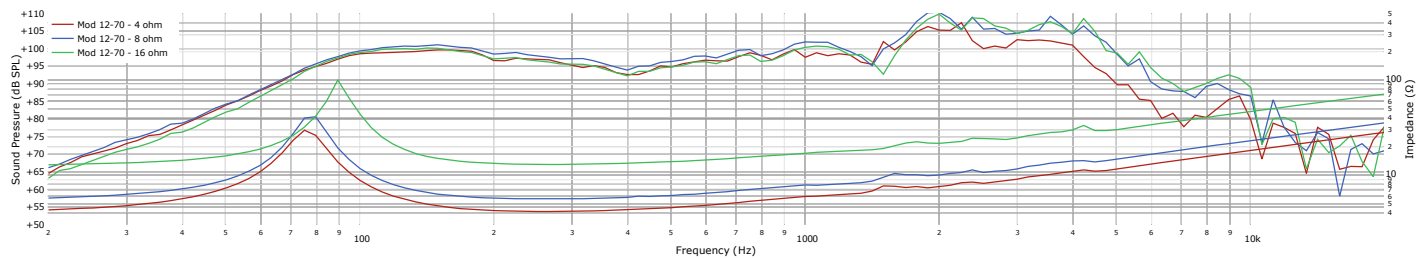
Thiele-Small Parameters		4Ω	8Ω	16Ω	
Voice Coil DC Resistance	$R_e$	3.53	5	12	Ω
Resonance Frequency	$f_s$	74	78	83	Hz
Mechanical Q Factor	$Q_{MS}$	14.63	13.77	7.84	
Total Q Factor	$Q_{TS}$	0.9	0.89	1.04	
Mechanical Moving Mass	$M_{MS}$	30.6	29.6	30.3	g
Mechanical Compliance	$C_{MS}$	151	141	125	$\mu\text{m/N}$
Force Factor	$BxL$	7.23	8.28	12.56	$\text{Wb/m}$
Equivalent Acoustic Volume	$V_{AS}$	51.7	48.1	42.4	lt.
Maximum Linear Displacement	$X_{MAX}$	$\pm 1.5$	$\pm 1.5$	$\pm 1.5$	mm
Reference Efficiency	$\eta_0$	2.1	2.09	1.88	%
Diaphragm Area	$S_D$	490.9	490.9	490.9	$\text{cm}^2$
Losses Electrical Resistance	$R_{ES}$	51	67.7	80	Ω
Voice Coil Inductance @ 1kHz	$L_E$	0.43	0.58	1	mH
Electrical Q Factor	$Q_{ES}$	0.96	0.95	1.20	

Constructive Characteristics			
Magnet			Ferrite
Voice Coil Winding			Copper
Voice Coil Former			Epotex
Cone Material			Paper
Surround Material			Integrated Paper
Dust Dome Material			Non-treated Cloth
Basket Material			Pressed Sheet Steel

Electrical Characteristics		4Ω	8Ω	16Ω	
Nominal Impedance		4	8	16	Ω
Rated Power		70	70	70	W
Musical Power		140	140	140	W
Sensitivity@1W,1m		96	97.5	96	dB



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



Due to continuing product improvement, the features and the design are subject to change without notice.  
Jensen Loudspeakers - website: [www.jensentone.com](http://www.jensentone.com)

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