Jensen Loudspeakers

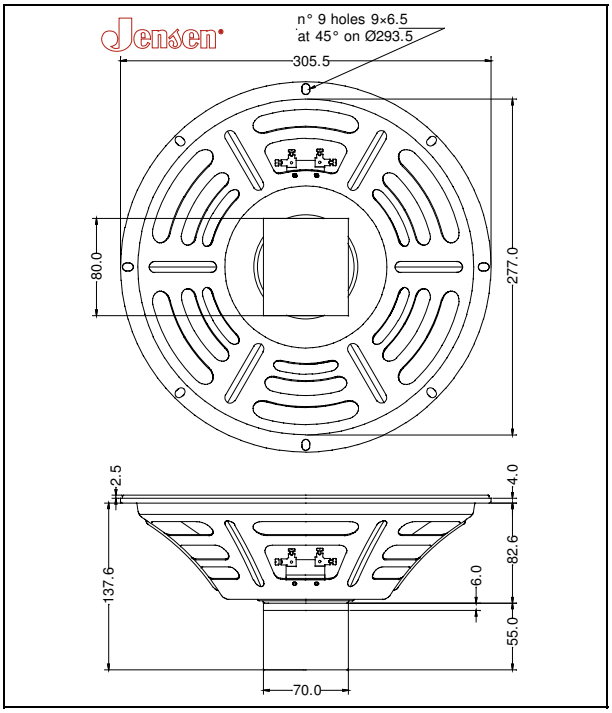
12"- 40W Vintage Alnico Guitar Loudspeaker
P12Q - 8Ω / 16Ω / 32Ω

GENERAL CHARACTERISTICS		
Nominal Overall Diameter	306 mm	12 in
Nominal Voice Coil Diameter	32 mm	1.25 in
Magnet Weight	300 g	10.5 oz
Overall Weight		4.10 lbs
Flux Density		0.98 T

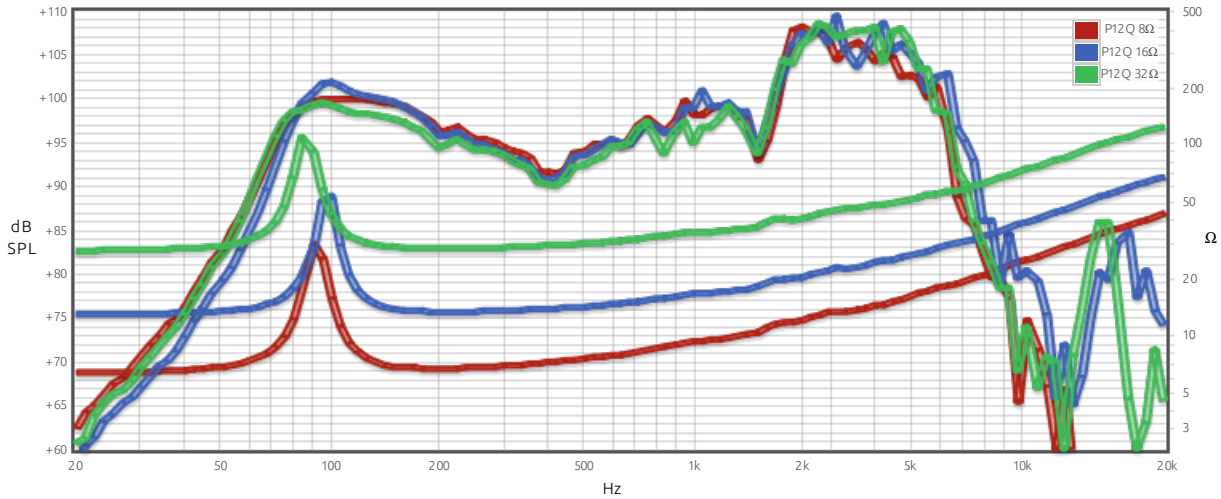
THIELE-SMALL PARAMETERS		8 Ω	16 Ω	32 Ω	
Voice Coil DC Resistance	R_E	5.72	12.45	25.20	Ω
Resonance Frequency	f_S	90.4	90.0	85.6	Hz
Mechanical Q Factor	Q_{MS}	10.62	12.68	10.94	
Electrical Q Factor	Q_{ES}	2.38	2.81	3.33	
Total Q Factor	Q_{TS}	1.94	2.30	2.55	
Mechanical Moving Mass	M_{MS}	22.1	25.9	25.3	g
Mechanical Compliance	C_{MS}	140	122	138	µm/N
Force Factor	BxL	5.50	8.05	10.15	Wb/m
Equivalent Acoustic Volume	V_{AS}	47.5	41.2	46.6	lt.
Maximum Linear Displacement	X_{MAX}	1.0	1.0	1.0	mm
Reference Efficiency	n_O	1.42	1.02	0.84	%
Diaphragm Area	S_D	490.8	490.9	490.0	cm^2
Losses Electrical Resistance	R_{ES}	25.5	56.3	82.7	Ω
Voice Coil Inductance @ 1kHz	L_E	0.67	0.60	1.59	mH

CONSTRUCTIVE CHARACTERISTICS	
Magnet	AlNiCo
Voice Coil Winding	Copper
Voice Coil Former	Nomex
Cone	Paper
Surround	Integrated Paper
Dust Dome	Solid Paper
Basket	Pressed Sheet Steel

ELECTRICAL CHARACTERISTICS	8 Ω	16 Ω	32 Ω	
Nominal Impedance	8	16	32	Ω
Rated Power	40	40	50	W
Musical Power	80	80	100	W
Sensitivity@1W,1m	95.0	96.1	92.3	dB



Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Free Air Impedance



Due to continuing product improvement, the features and the design are subject to change without notice.