

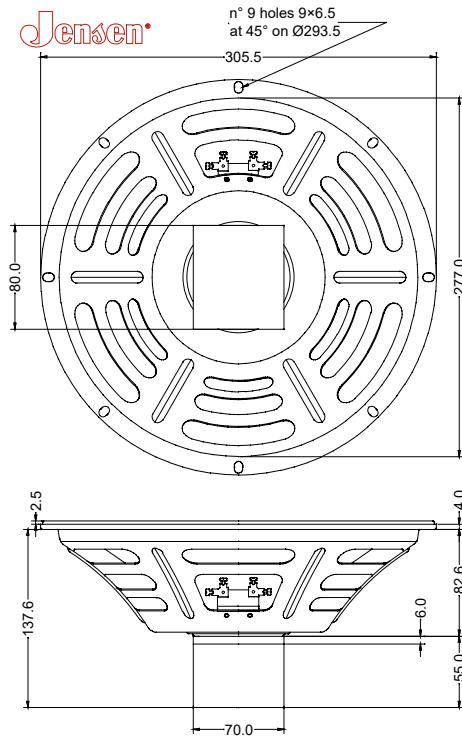
12" - 40 W Vintage Alnico Loudspeaker
P12Q - 8Ω / 16Ω / 32Ω

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	BxL	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	η_O	1.42	1.02	0.84	%
Diaphragm Area	S_D	490.9	490.9	490	cm ²
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	

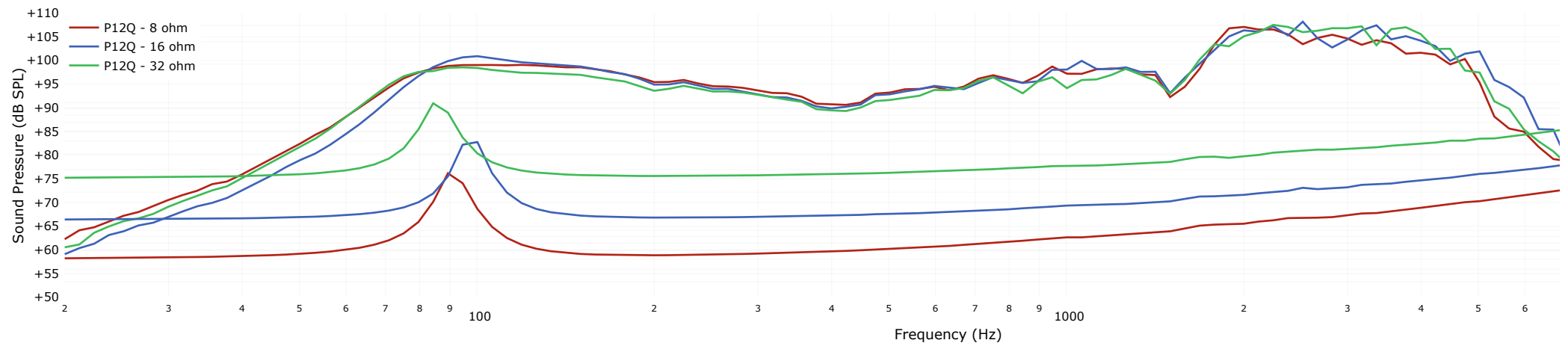
Constructive Characteristics			
Magnet			Alnico
Voice Coil Winding			Copper
Voice Coil Former			Nomex
Cone Material			Paper
Surround Material			Integrated Paper
Dust Dome Material			Solid Paper
Basket Material			Pressed Sheet Steel
Surround Treatment			No

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





Due to continuing product improvement, the features and the design are subject to change without notice.
Jensen Loudspeakers · website: www.jensentone.com

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