Jensen Loudspeakers

12"-100W Jet Series Guitar Loudspeaker

12" Blackbird 100 - 8Ω / 16Ω

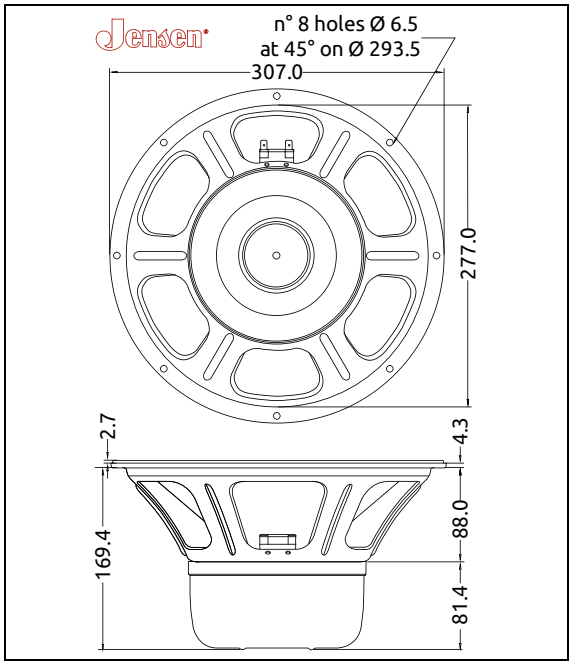
SKU: JP12-100BB

GENERAL CHARACTERISTICS		
Nominal Overall Diameter	307 mm.	12 in.
Nominal Voice Coil Diameter	50 mm.	2.00 in.
Magnet Weight	826 g	29.00 oz
Overall Weight		7.05 lbs
Flux Density		1.00 T
Voice Coil Winding Depth		0.39 in.
Magnetic Gap Depth		0.31 in.

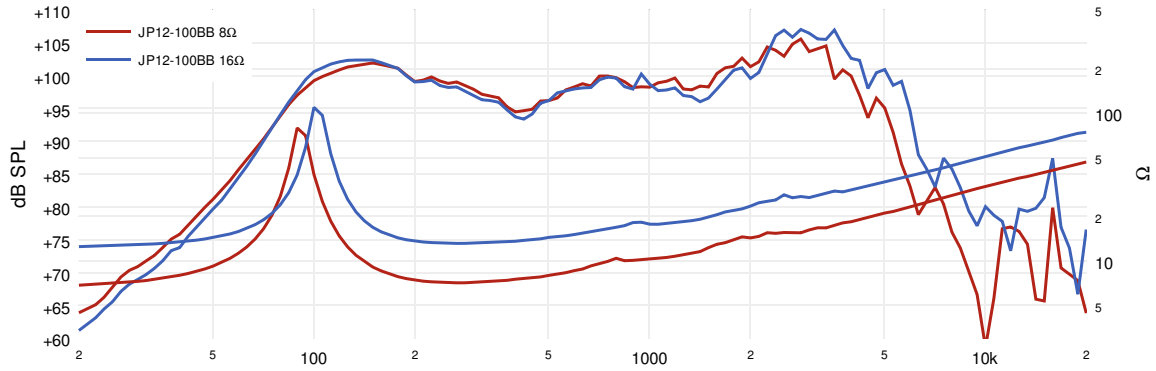
THIELE-SMALL PARAMETERS		8Ω	16Ω	
Voice Coil DC Resistance	R_E	6.05	11.98	Ω
Resonance Frequency	f_S	95.2	103.5	Hz
Mechanical Q Factor	Q_{MS}	10.84	13.58	
Electrical Q Factor	Q_{ES}	0.90	1.31	
Total Q Factor	Q_{TS}	0.92	1.19	
Mechanical Moving Mass	M_{MS}	29.5	27.2	g
Mechanical Compliance	C_{MS}	95	87	µm/N
Force Factor	BxL	10.33	12.75	Wb/m
Equivalent Acoustic Volume	V_{AS}	32.4	29.4	lt.
Maximum Linear Displacement	X_{MAX}	1.00	1.00	mm
Reference Efficiency	n_O	3.13	2.40	%
Diaphragm Area	S_D	490.9	490.8	cm^2
Losses Electrical Resistance	R_{ES}	82.7	124.7	Ω
Voice Coil Inductance @ 1kHz	L_E	0.59	1.14	mH

CONSTRUCTIVE CHARACTERISTICS	
Magnet	Alnico
Voice Coil Winding	Aluminum
Voice Coil Former	Kapton
Cone Material	Paper
Surround Material	Integrated Paper
Dust Dome Material	Non-treated Cloth
Basket Material	Pressed Sheet Steel
Surround Treatment	Yes

ELECTRICAL CHARACTERISTICS	8Ω	16Ω	
Nominal Impedance	8	16	Ω
Rated Power	100	100	W
Musical Power	200	200	W
Sensitivity@1W,1m	97.7	97.1	dB



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



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