

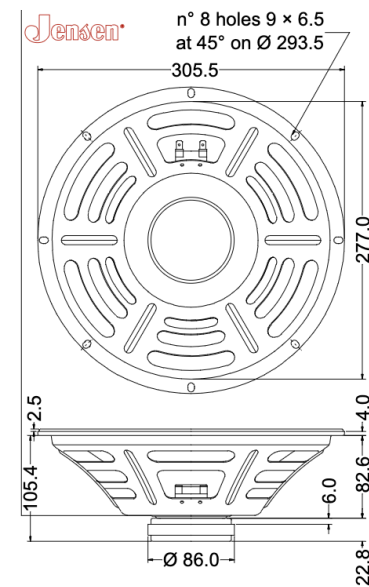
12" - 35 W Mod Series Loudspeaker
Mod 12-35 - 8Ω / 16Ω

General Characteristics			
Nominal Overall Diameter		306 mm	12 in
Nominal Voice Coil Diameter		25 mm	0.98 in
Magnet Weight		280 g	10 oz
Overall Weight		1.32 kg	2.91 lbs
Flux Density			0.95 T

Thiele-Small Parameters				
		8Ω	16Ω	
Voice Coil DC Resistance	R_E	6.71	12.35	Ω
Resonance Frequency	f_s	73.5	90	Hz
Mechanical Q Factor	Q_{MS}	17.09	19.38	
Total Q Factor	Q_{TS}	1.54	1.92	
Mechanical Moving Mass	M_{MS}	29.1	30.6	g
Mechanical Compliance	C_{MS}	161	103	μm/N
Force Factor	B_{XL}	7.3	9.99	Wb/m
Equivalent Acoustic Volume	V_{AS}	54.4	34.8	lt.
Maximum Linear Displacement	X_{MAX}	±1	±1.5	mm
Reference Efficiency	η_0	1.23	1.14	%
Diaphragm Area	S_D	490.9	490.9	cm ²
Losses Electrical Resistance	R_{ES}	67.7	112	Ω
Voice Coil Inductance @ 1kHz	L_E	1.14	1.7	mH
Electrical Q Factor	Q_{ES}	1.69	2.13	

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		8Ω	16Ω	
Nominal Impedance		8	16	Ω
Rated Power		35	35	W
Musical Power		70	70	W
Sensitivity@1W,1m		93.7	94	dB



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

