

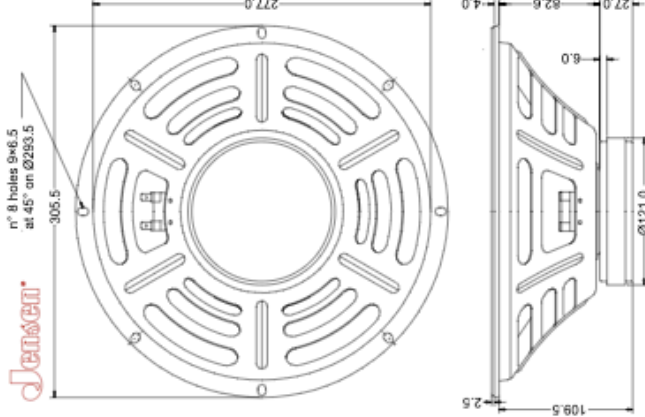
12" - 70 W Mod Series Loudspeaker  
Mod 12-70 - 4Ω / 8Ω / 16Ω

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

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

Thiele-Small Parameters	
Voice Coil DC Resistance	$R_E$ 5    12    Ω
Resonance Frequency	$f_S$ 74    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    μm/N
Force Factor	$B_{xL}$ 7.23    8.28    12.56    Wb/m
Equivalent Acoustic Volume	$V_{AS}$ 51.7    48.1    42.4    lt.
Maximum Linear Displacement	$X_{MAX}$ ±1.5    ±1.5    ±1.5    mm
Reference Efficiency	$\eta_0$ 2.1    2.09    1.88    %
Diaphragm Area	$S_D$ 490.9    490.9    490.9    cm <sup>2</sup>
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



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

