

12"



ELECTRIC LIGHTNING

C 12/70 EL

The 1960's brought great social change as well as the introduction to loud Rock n' Roll music, forever changing what a guitar player expects from their guitar amplifier.

The Electric Lightning, named after Britain's famous supersonic jet, is a true "in your face" Rock n' Roll speaker that can handle the heaviest of playing styles and is designed for loud applications, with a well balanced tone which still allows, in true Jensen's tradition, the versatility required by today's players.



Jensen®

LOUDSPEAKERS

SOUND FEATURES Straightforward and powerful with fat lows, throaty mids, and crisp, bright highs, with good presence but no harshness.

COLORATION Responds to overdrive distortion with a commanding strong and well-defined tone. It's sparkly and detailed when used clean.

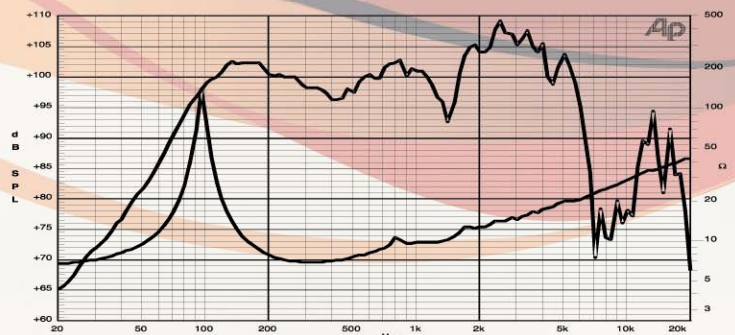
APPLICATION Designed to be used in loud applications, but remains articulate and defined at lower levels.

SUGGESTED APPLICATION / USE Great in 4 x 12 cabinets as well as combos for a powerful strong tone.

SPECIFICATIONS

NOMINAL DIAMETER	307 mm	12"
POWER RATING		70 W
NOMINAL IMPEDANCE		8 Ω
CHASSIS		STEEL
VOICE COIL DIAMETER	50 mm	2"
MAGNET		CERAMIC
MAGNET WEIGHT	1,45 Kg	3.2 lb
RESONANCE FREQUENCY		95 Hz
SENSITIVITY		99 dB
MOUNTING HOLES	n°8 Ø 6,5 mm	0.25"
	ON	293,5 mm 11.5"
CUT-OUT DIAMETER	277 mm	10.9"
OVERALL DEPTH	133 mm	5.23"
NET WEIGHT	4,5 Kg	10 lb
SHIPPING WEIGHT	5 Kg	11 lb
PRODUCTION CODE		ZJ06380

FREQUENCY RESPONSE on IEC BAFFLE @ 1 W, 1 m and IMPEDANCE



12" - 140W Ceramic Guitar Loudspeaker

C 12/70 EL - 8 Ω

Code ZJ06380

GENERAL CHARACTERISTICS

Nominal Overall Diameter	307	mm
Nominal Voice Coil Diameter	50	mm
Magnet Weight	1450	g
Flux Density.....	1.15	T
Weight.....	4.50	Kg

THIELE-SMALL PARAMETERS

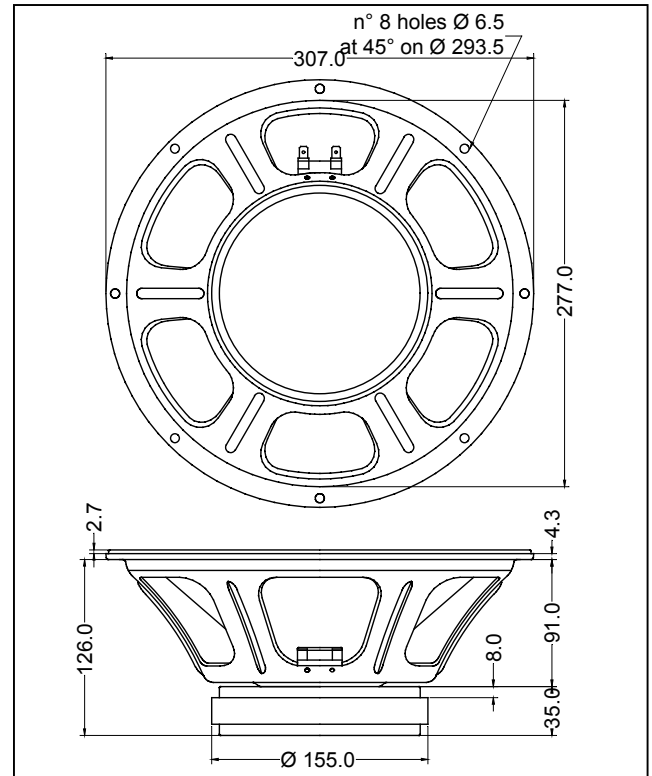
Voice Coil DC Resistance	R_E	6.33	Ω
Resonance Frequency	f_s	95.0	Hz
Mechanical Q Factor.....	Q_{MS}	14.77	
Electrical Q Factor.....	Q_{ES}	0.70	
Total Q Factor	Q_{TS}	0.67	
Mechanical Moving Mass	M_{MS}	29.9	g
Mechanical Compliance	C_{MS}	94	μm/N
Force Factor	$B \times l$	12.70	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	32.0	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.0	mm
Reference Efficiency	η_0	3.76	%
Diaphragm Area	S_D	490.9	cm ²
Losses Electrical Resistance.....	R_{ES}	133.3	Ω
Voice Coil Inductance @ 1kHz	L_E	0.60	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Aluminium
Voice Coil Former.....	Kapton
Cone	Paper
Surround.....	Paper - Integrated
Dust Dome	Non Treated Cloth
Basket	Pressed Sheet Steel

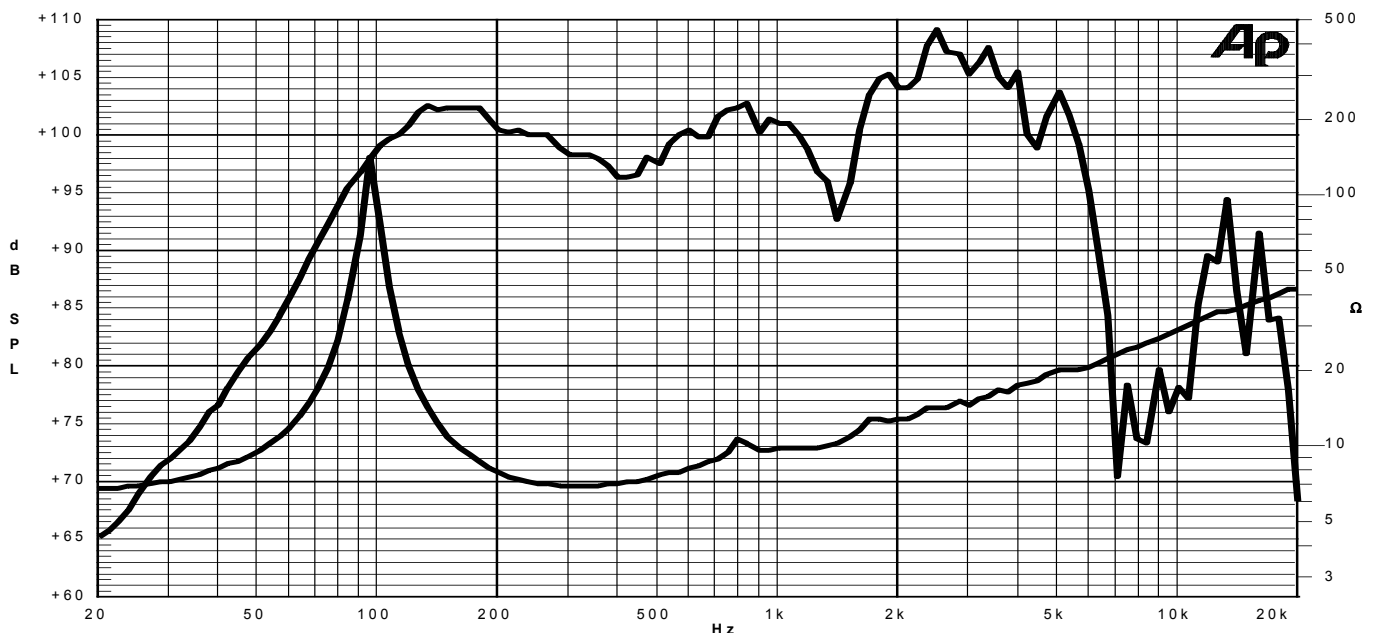
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	8	Ω
Musical Power	140	W
Rated Power*	70	W
Sensitivity @ 1 W, 1 m	99.0	dB



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure
Thiele-Small parameters measured with I ASFR system

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



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

09/05/08