

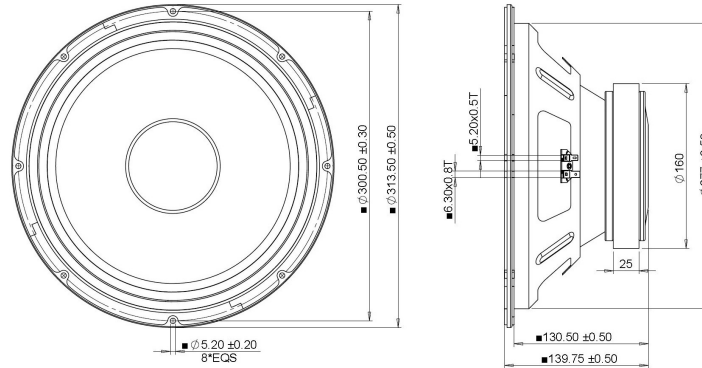
## Woofer

This 12 inch 8 ohm speaker, features a FEA optimized ferrite magnet motor, a 2.5 inch high-temperature voice coil, a vented yoke for motor cooling, and a high strength stamped steel frame. It also features Kevlar loaded non-pressed paper cone to help dampen and control cone resonance. The multi-roll surround and spider have been optimized to reduce distortion over the excursion range of this transducer.



FSL-1225R02-08

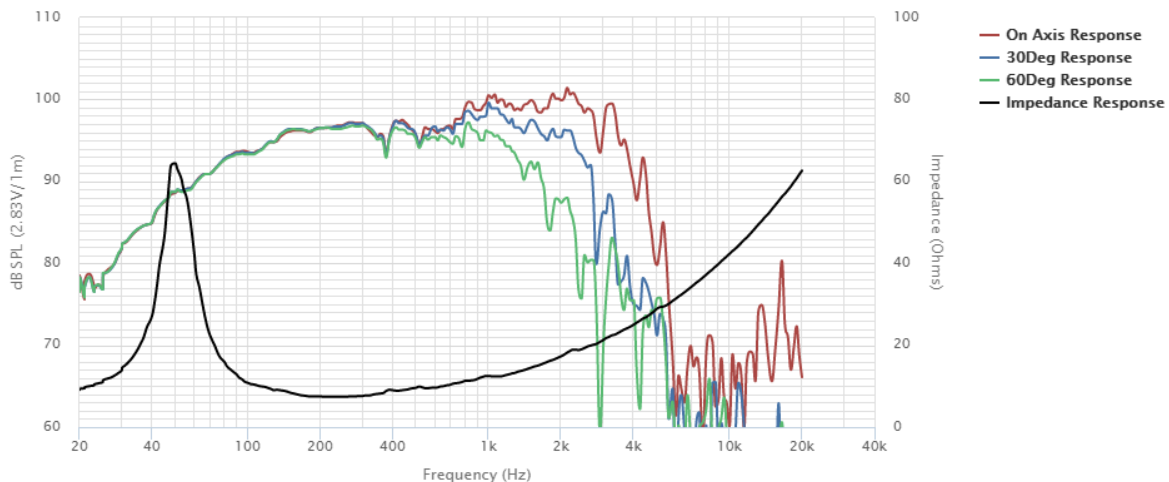
MECHANICAL 2D DRAWING



### SPECIFICATIONS

DC Resistance	Revc	$\Omega$	5.45	$\pm 5.0\%$	Moving Mass	Mms	g	51.4
Minimum Impedance	Zmin	$\Omega$	7.39	$\pm 7.5\%$	Suspension Compliance	Cms	um/N	141.2
Voice Coil Inductance	Le	mH	0.71	-	Effective Cone Diameter	D	cm	26.4
Resonant Frequency	fs	Hz	59.07	15%	Effective Piston Area	Sd	cm <sup>2</sup>	547.4
Mechanical Q Factor	Qms	-	4.31	-	Equivalent Volume	Vas	L	59.41
Electrical Q Factor	Qes	-	0.45	-	Motor Force Factor	BL	T•m	15.22
Total Q Factor	Qts	-	0.41	-	Motor Efficiency Factor	$\beta$	(T•m <sup>2</sup> )/ $\Omega$	42.5
Ratio	fs/Qts	-	145.5	-	Voice Coil Former Material	VCfm	-	GSV
Half Space Sensitivity	dB@2.83V/1m	dB	96.85	$\pm 1.01$	Voice Coil Inner Diameter	VCd	mm	65.5
Sensitivity	1W/1m	dB	96.5	$\pm 1.01$	Gap Height	Gh	mm	8
Rated Noise Power (IEC 268-5 18.1)	P	W	350	-	Maximum Linear Excursion	Xmax	mm	2.4
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	60Hz-600Hz	-	Ferrofluid Type	FF	-	-
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	12 in
				-	Transducer Mass	-	Kg	4.9

FREQUENCY & IMPEDANCE RESPONSE



Highcharts.com