

# R131-SP900

## Very high excursion 5"1/4 low-mid driver

### Architecture

Noiseless natural convection Intercooling System

Ferrite magnet system with symetric BL(x) and Le(x)

Long excursion suspension with linear behavior for large signal

### Typical characteristics

Rated impedance	Z	8	$\Omega$
Half space sensitivity (1W@1m)	-	90	dB SPL
Usable freq. range	-	60-3000	Hz
Power handling capacity (AES)	-	100	W
Max Sound Pressure Level	SPLmax	106	dB SPL
Min. impedance modulus	Zmin	6.2@550	$\Omega$ @Hz
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	0.34	mH
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	0.21	mH
BL product	BL	8.0	N/A
Moving mass	Mms	0.0112	kg

### Thiele-Small parameters: Typical (QC limits)

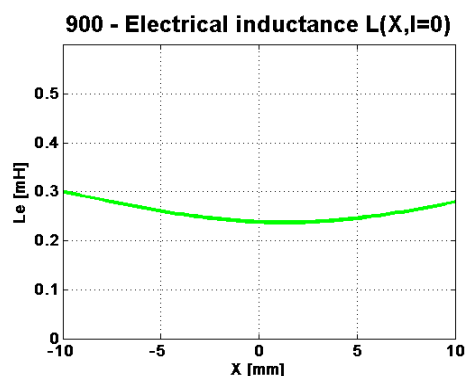
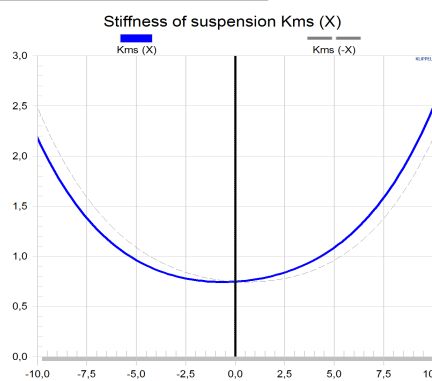
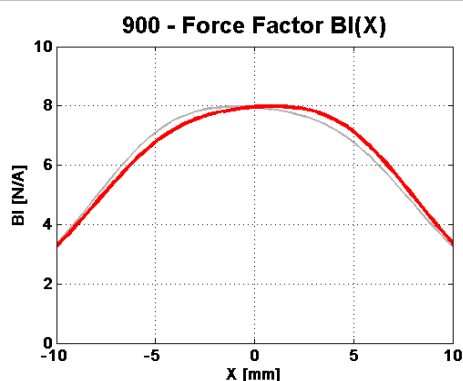
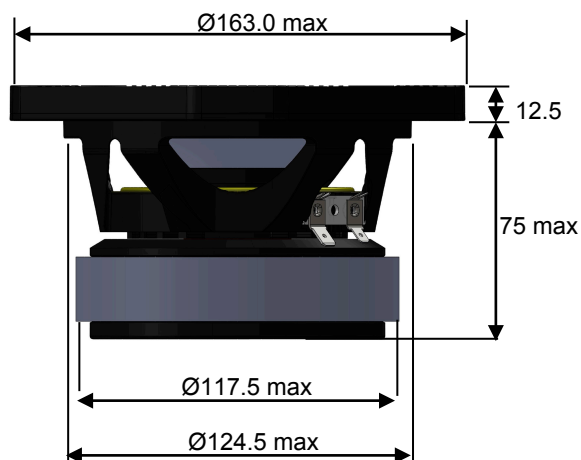
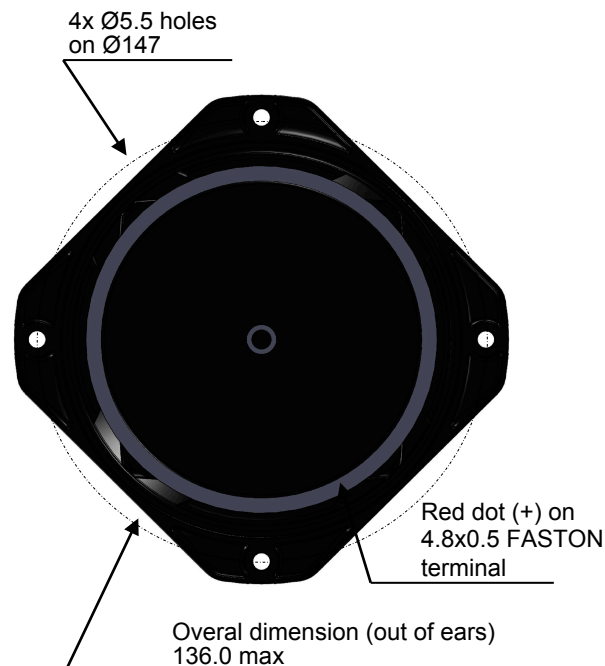
Resonance frequency	Fs	66(±10)	Hz
DC Resistance	Re	5.7(±0.5)	$\Omega$
Mechanical quality factor	Qms	3.8	1
Electrical quality factor	Qes	0.41	1
Total quality factor	Qts	0.37	1
Mechanical suspension compliar	Cms	520	10 <sup>-6</sup> .m/N
Effective piston area	Sd	0.0102	m <sup>2</sup>
Equivalent Cas air load	Vas	0.0076	m <sup>3</sup>
Max linear excursion	Xmax	±5.0	±mm
Linear displacement volume	Vd	0.0510	10 <sup>-3</sup> .m <sup>3</sup>
Reference efficiency	$\eta_0$	0.63	%
Unity load volume	Vas.Qts <sup>2</sup>	1.0	10 <sup>-3</sup> .m <sup>3</sup>

### Absolute maximum ratings

Short term max. input voltage	Vmax	60	V
Max.excursion before damage	Xdam	±12	±mm
Ambient operating temperature	Ta	-10 to +50	°C
Storage temperature	-	-20 to +70	°C
Environemental withstanding	-	Outdoor+	-

### Application information

Air volume occupied by the drive	-	0.38	10 <sup>-3</sup> .m <sup>3</sup>
Speaker net mass	-	2.080	kg
Recommended reflex box	Vb/Fb	8L / 60Hz	Lts/Hz
Electrical connexion	-	6.35x0.8 + 4.8x0.5 FASTON	



Note: These specifications are stated to be representative of current production after conditioning.  
Because of our continous research they are subject to change without notice.

