

FE163En-S Thiele/Small Parameters

Model	FE163En-S	
Size	160 mm	6.3 in
Overall Diameter	190 mm	7.5 in
Baffle Hole Diameter	151 mm	6.0 in
Depth	86.2 mm	4.0 in
Voice Coil Diameter	25 mm	1.0 in
Cast / Stamped	Cast	
Impedance	8 ohm	
Reproduction Freq. Response	fs-24 kHz	
Sound Pressure Level	93 dB/W (m)	
Rated Input	27 W	
Music Power	80 W	
Magnet Weight	1,100 g	2.425 lb
Net Weight	3,150 g	6.944 lb
Equivalent Diaphragm Radius	a	65 mm
Effective Cone Diameter	D	130 mm
Surface Area of Cone	Sd	0.01327 m ²
Nominal Impedance	Zn	8 ohm
Resonance Frequency	Fs	56 Hz
DC Resistance	Re	7 ohm
Coil Inductance	Le	0.053 mH
Mechanical Q	Qms	4.257
Electromagnetic Q	Qes	0.241
Total Q	Qts	0.23
Equivalent Mass	Mms	7 g
BL Product (Factor Force)	BL	8.2 Tesla/m
Compliance Equivalent Volume	Vas	29.13 L
Voice Coil Overhang	Xmax	0.9 mm
Reference Efficiency n0	Eff/n0	1.95 %
Mechanical Compliance of Suspension	Cms	1.16 m/N
Efficiency Bandwidth Product	EBP	232.365