

8431-16

12" Guitar — 200W — 105dB SPL



TECHNICAL PARAMETERS		THIELE — SMALL PARAMETERS		CONSTRUCTION	
Nominal Impedance	16.0 Ω	Fs	95 Hz	Basket Construction	Diecast Aluminum
Minimum Impedance	10 Ω	Re	10.4 Ω	Nominal Diameter	12.0in (305mm)
AES Power (1)	100W	Qes	0.620	Nominal Volume	130in ³
Continuous Program (2)	200W	Qms	4.9	Overall Diameter	12.1in (308mm)
Sensitivity (1W/1m) (3)	105.0 dB SPL	Qts	0.55	Bolt Circle Diameter	11.6in (295mm)
Frequency Range (4)	65Hz - 5000Hz	Vas	0.9 ft ³	Baffle Cutout Diameter	11in (280mm)
Voice Coil Diameter	4.0in (102mm)	Sd	82.5 in ²	Depth	4.5in (114mm)
Winding Material	Edgewound Aluminum	Mms	47 g	Flange Thickness	0.6in (15.2mm)
Former Material	Nomex over Aramid Fiber	Bl	22 T·m	Net Weight (ea)	8.75lbs (4kg)
Winding Depth (5)	0.25in (6.4mm) x 2	Le	1.0 mH	Standard Package	1
Magnetic Gap Depth	0.375in (9.5mm) x 2	Mmd	33.8 g	Shipping Weight (ea)	15lbs (7kg)
Flux Density	1.0T	Cms	60 x 10 ⁻⁶ m/N	Shipping Dimensions (ea)	15x15x10in (1067x305x356mm)
Magnet Type	NdFeB I/D Ring	Rms	5.8 N·s/m	NOTES (1) 2 hour test conducted with band limited continuous pink noise. (AES2-2012) (2) Recommended amplifier power for typical program material. (3) Measured at 4 Vrms in 16 Ω Nominal load. (4) Recommended minimum 24dB/oct slope. (5) Series wound dual voice-coil. (6) Dual pole design with integrated demodulation ring, heatsink.	
Motor Architecture (6)	Balanced Dual Gap	Xmax	4 mm		
Surround Type	Untreated Paper	Xdamage	5 mm		
Spider Type	7in Sinewave				
Cone	5426 Flat w/ 4in Al Dustcap				
Cone Treatment	None				
Electrical Termination	0.25in (6.3mm) Spade				

