

8151-8

18" Subwoofer — 2400W — 96dB SPL



TECHNICAL PARAMETERS

Nominal Impedance	8.0Ω
Minimum Impedance	5.0Ω
AES Power (1)	1200W
Continuous Power (2)	2400W
Sensitivity (1W/1m) (3)	96.0 dB SPL
Frequency Range (4)	25Hz - 250Hz
Voice Coil Diameter	4.0in (102mm)
Winding Material	Edgewound Aluminum
Former Material	Nomex over Aramid Fiber
Winding Depth (5)	1.5in (38.1mm) x 2
Magnetic Gap Depth	0.3in (7.62mm) x 2
Flux Density	1.2T
Magnet Type	NdFeB I/D Ring
Motor Architecture (6)	Balanced Dual Gap
Surround Type	Triple-Roll Polycotton
Spider Type	9in Sinewave Laminated
Cone	174 Ribbed w/ 5in Dustcap
Cone Treatment	Epoxy Resin Reinforced
Electrical Termination	0.25in (6.3mm) Spade

THIELE — SMALL PARAMETERS

Fs	26Hz
Re	5.0Ω
Qes	0.38
Qms	5.8
Qts	0.36
Vas	330 x 10 ⁻³ m ³
Sd	122 x 10 ⁻³ m ²
Mms	245 x 10 ⁻³ kg
Bl	23 T·m
Le	1.4 x 10 ⁻³ H
Mmd	197 x 10 ⁻³ kg
Cms	155 x 10 ⁻⁶ m/N
Rms	6.9 N·s/m
Xmax	17 x 10 ⁻³ m
Xdamage	Self-limiting

CONSTRUCTION

Basket Construction	Diecast Aluminum
Nominal Diameter	18.0in (457mm)
Nominal Volume	200in ³ (3.3 x 10 ⁻³ m ³)
Overall Diameter	18.2in (462mm)
Bolt Circle Diameter	17.5in (444.5mm)
Baffle Cutout Diameter	16.9in (429mm)
Depth	10.5in (267mm)
Flange Thickness	0.7in (18mm)
Net Weight (ea)	22lbs (10kg)
Standard Package	2
Shipping Weight (ea)	25lbs (11.3kg)
Shipping Dimensions (ea)	22x22x14in (559x559x356mm)

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 2.83 Vrms in 8Ω Nominal load.
- (4) Recommended minimum 24dB/oct slope.
- (5) Series wound dual voice-coil.
- (6) Dual pole design with integrated demodulation ring, heatsink, and venting.

