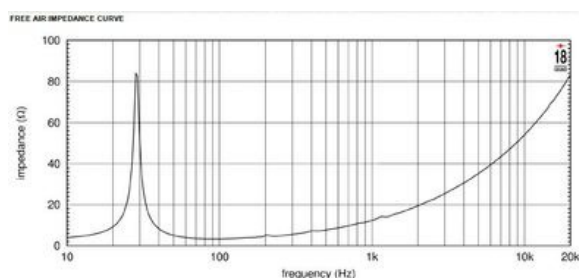
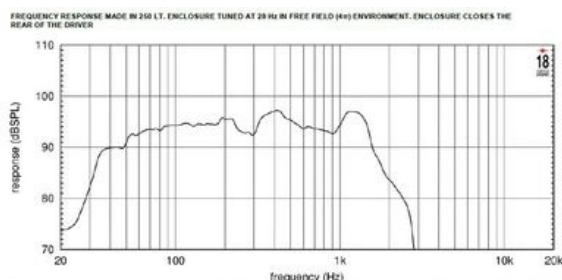




- 95 dB SPL 1W/ 1m average sensitivity
- 100 mm (4 in) Interleaved Sandwich Voice coil (ISV)
- 3200W program power handling
- 70 mm (2,76 in) peak to peak excursion
- Ultra linear dual magnet motor design
- Single Demodulating Ring (SDR) for lower distortion
- Composite reinforced straight ribbed cone
- Optimized high grade ferrite magnet assembly
- Recommended for subwoofer usage in compact vented enclosures

The 21LW2500 is a 21" (533 mm) extended low frequency loudspeaker, designed for use in vented enclosures. The loudspeaker is designed to withstand high power levels without damage while providing clean and undistorted LF reproduction at a very high SPL. For optimum results we recommend amplifiers able to deliver 3600 Watt program power. The 21LW2500 features a unique motor featuring a high grade ferrite magnet assembly in a structure optimized for thermal and magnetic efficiency. 21LW2500 features include a large displacement suspension system which, in conjunction with a composite reinforced, straight ribbed cone and the Eighteen Sound proprietary Double Silicon Spider (DSS) technology, allows an ultra-linear piston action and provides full mechanical control across the entire working range. The 100mm (4 in) state-of-the-art voice-coil utilizing Interleaved Sandwich Voice coil (ISV) technology, provides high levels of thermal stability and durability. The ISV technology achieves a balanced linear motor unit exerting an exceptionally high force factor.



## SPECIFICATIONS

Nominal Diameter	533 mm ( in)
Nominal Impedance	4 Ω
Minimum Impedance	6.1 Ω
Nominal Power Handling <sup>1</sup>	1600 W
Continuous Power Handling <sup>2</sup>	3200 W
Sensitivity <sup>3</sup>	95.0 dB
Frequency Range	30 - 1000 Hz
Voice Coil Diameter	100 mm (4.0 in)
Winding Material	copper

## DESIGN

Surround Shape	Triple roll
Cone Shape	Curvilinear
Magnet Material	Ferrite
Woofers Cone Treatment	Weather protected
Recommended Enclosure	300.0 dm <sup>3</sup> (10.59 ft <sup>3</sup> )
Recommended Tuning	32 Hz

## PARAMETERS<sup>4</sup>

Resonance Frequency	28 Hz
Re	4.9 Ω
Qes	0.47
Qms	15.7
Qts	0.46
Vas	310.0 dm <sup>3</sup> (10.95 ft <sup>3</sup> )
Sd	1660.0 cm <sup>2</sup> (257.3 in <sup>2</sup> )
Xmax	14.0 mm
Mms	370.0 g
Bl	19.0 Txm
Le	1.6 mH
EBP	59 Hz

## MOUNTING AND SHIPPING INFO

Overall Diameter	545 mm (21.46 in)
Bolt Circle Diameter	520 mm (20.47 in)
Baffle Cutout Diameter	492.0 mm (19.37 in)
Depth	252 mm (9.92 in)
Flange and Gasket Thickness	18 mm (0.71 in)
Net Weight	17.9 kg (39.46 lb)
Shipping Weight	19.4 kg (42.77 lb)
Shipping Box	570x570x290 mm (22.44x22.44x11.42 in)

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.