



## 21-inch cast aluminium chassis neodymium magnet low frequency loudspeaker

- Advanced temperature control using 3-channel tuned venting system provides highly efficient cooling across the frequency band
- Voice coil typically operates at up to 80°C lower temperature than other leading drivers in this class
- Polysiloxane laminated triple suspension provides much greater stability and improved cone displacement symmetry
- Lead-out wires precision woven into suspension minimises excess motion and reduces fatigue
- Double-sided, weatherproof cone coating enhances durability

**3600W**

Continuous power rating

**97dB**

sensitivity

**4.5in**

Round copper voice coil

### General Specifications

Nominal Diameter	530mm / 21in
Power Rating	1800W
Continuous power rating	3600W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	30-1,000Hz
Chassis type	Cast aluminium
Magnet type	Neodymium
Voice coil diameter	115mm / 4.5in
Voice coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded cellulose, & water-resistant coating front back
Surround material	Triple roll, cloth sealed
Suspension	Dual, polysiloxane-laminated
Gap height (Hg)	12mm / 0.46in
VC winding height (Hvc)	36mm / 1.42in
Additional impedances	4 ohm

### Mounting Information

Overall diameter	541mm / 21.3in
Overall depth	250mm / 9.84in
Cut-out diameter	505mm / 19.88in
Mounting hole dimensions	8.5x10mm / 0.33x0.39in
Number of mounting holes	8
Mounting hole PCD	525-528mm / 20.61-20.79in
Flange & gasket thickness	17mm / 0.67in
Unit weight	13.8kg / 30.4lb

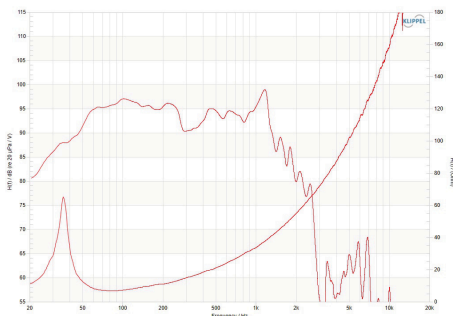
### Packed Dimensions & Weight

Single pack size W x D x H	575mm x 575mm x 280mm / x 22.6in 22.6in x 11in
Single pack weight	14.5kg / 32lb

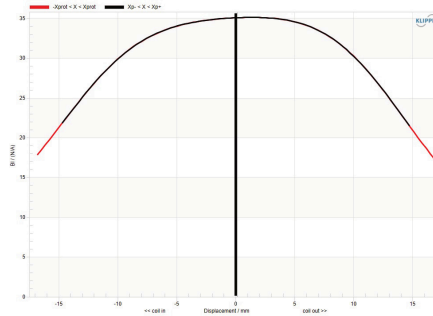
### Parameters

Sd	1661.9cm <sup>2</sup> / 257.9in <sup>2</sup>
Fs	30Hz
Mms	435.2g / 15.35oz
Qms	8.393
Qes	0.359
Qts	0.344
Re	5.0 ohm
Vas	253.8l / 8.96ft <sup>3</sup>
Bl	33.8Tm
Cms	0.065mm/N
Rms	9.77kg/s
Le (at 1kHz)	3.91mH
Xmax	15mm / 0.59in
Xmech	80mm / 1.57in
Efficiency	1.9%

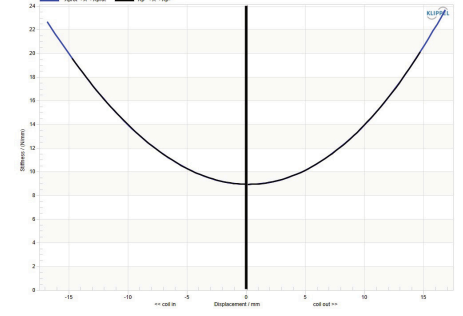
### Frequency Response & Impedance



### Force Factor Bl Symmetry



### Stiffness K Symmetry



**Power rating:** Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.

**Continuous power rating:** Defined as 3dB greater than the AES rating.

**Sensitivity:** Measured on axis at 1W, 1m in 2? anechoic environment.

**Parameters:** Measured after unit subjected to pre-conditioning signal.

**Xmax:** 0.5\*(Hvc-Hg) + 0.25\*Hg

**Xmech:** Maximum peak-to-peak excursion before damage.