



## 15-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 30°C lower temperature than other leading drivers in this class
- Polysiloxane laminated double suspension provides much greater stability and improved cone displacement symmetry
- Lead-out wires precision woven into suspension minimises excess motion and reduces fatigue

**1800W**  
Continuous power rating

**98.2dB**  
sensitivity

**3.5in**  
Copper clad aluminium coil voice

### General Specifications

Nominal Diameter	381mm / 15in
Power Rating	900W
Continuous power rating	1800W
Rated impedance	8 ohm
Sensitivity	98.2dB
Frequency range	45-3000Hz
Chassis type	Cast aluminium
Magnet type	Neodymium
Voice coil diameter	90mm / 3.5in
Voice coil material	Copper clad aluminium
Former material	Glass fibre
Cone material	Glass loaded cellulose
Surround material	Triple roll, cloth sealed
Suspension	Dual, polysiloxane-laminated
Gap height (Hg)	10mm / 0.39in
VC winding height (Hvc)	21mm / 0.83in

### Mounting Information

Overall diameter	393mm / 15.4in
Overall depth	175.2mm / 6.89in
Cut-out diameter	354mm / 13.9in
Mounting hole dimensions	10x7mm / 0.39x0.28in
Number of mounting holes	8
Mounting hole PCD	367-374mm / 14.4-14.72in
Flange & gasket thickness	11.9mm / 0.47in
Unit weight	5.7kg / 12.6lb

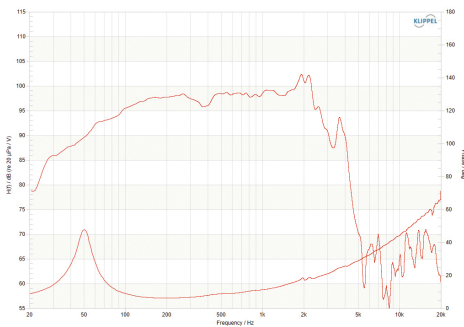
### Packed Dimensions & Weight

Single pack size W x D x H	435mm x 435mm x 200mm / x 17.1in 17.1in x 7.9in
Single pack weight	7kg / 15.4lb

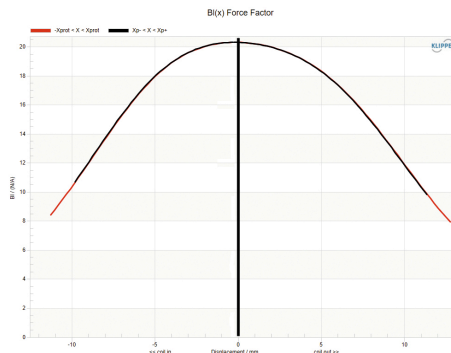
### Parameters

Sd	855.3cm <sup>2</sup> / 33.7in <sup>2</sup>
Fs	50Hz
Mms	111.9g / 3.95oz
Qms	4.921
Qes	0.432
Qts	0.397
Re	5.2 ohm
Vas	94.02l / 3.32ft <sup>3</sup>
Bl	20.65Tm
Cms	0.091mm/N
Rms	7.148kg/s
Le (at 1kHz)	0.884mH
Xmax	8mm / 0.31in
Xmech	22mm / 0.87in

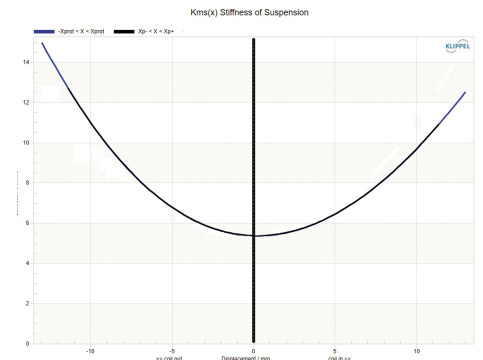
### Frequency Response & Impedance



### 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.