



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 double 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

5000W

Continuous power rating

97.5dB

sensitivity

6in

Round copper voice coil

General Specifications

Nominal Diameter	530mm / 21in
Power Rating	2500W
Continuous power rating	5000W
Rated impedance	8 ohm
Sensitivity	97.5dB
Frequency range	30-300Hz
Chassis type	Cast aluminium
Magnet type	Neodymium
Voice coil diameter	152mm / 6in
Voice coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded cellulose, & water-resistant coating
Surround material	Triple roll, cloth sealed
Suspension	Dual, polysiloxane-laminated
Gap height (Hg)	15mm / 0.59in
VC winding height (Hvc)	45mm / 1.77in
Additional impedances	4 ohm

Mounting Information

Overall diameter	547mm / 21.54in
Overall depth	253.1mm / 9.96in
Cut-out diameter	505mm / 19.98in
Mounting hole dimensions	8.5x12mm / 0.33x0.47in
Number of mounting holes	8
Mounting hole PCD	521.5-528.5mm / 20.53-20.81in
Flange & gasket thickness	17mm / 0.67in
Unit weight	21kg / 46.2lb

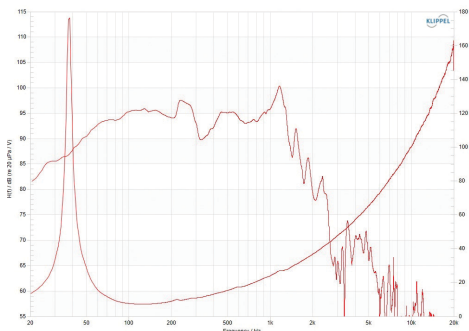
Packed Dimensions & Weight

Single pack size W x D x H	575mm x 575mm x 280mm / x 22.6in 22.6in x 11in
Single pack weight	24.5kg / 54lb

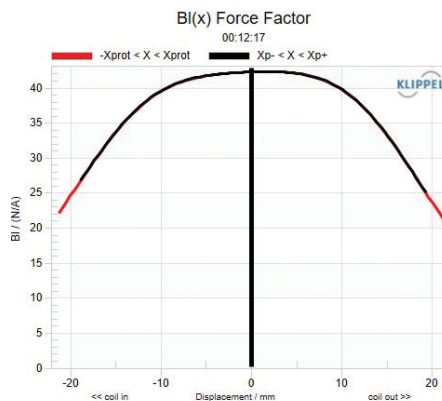
Parameters

Sd	1684cm ² / 261in ²
Fs	30Hz
Mms	482.7g / 17.03oz
Qms	10.29
Qes	0.264
Qts	0.257
Re	5.4 ohm
Vas	234.8l / 8.29ft ³
Bl	43.15Tm
Cms	0.058mm/N
Rms	8.84kg/s
Le (at 1kHz)	2.5mH
Xmax	18.75mm / 0.73in
Xmech	71mm / 2.8in
Efficiency	2.2%

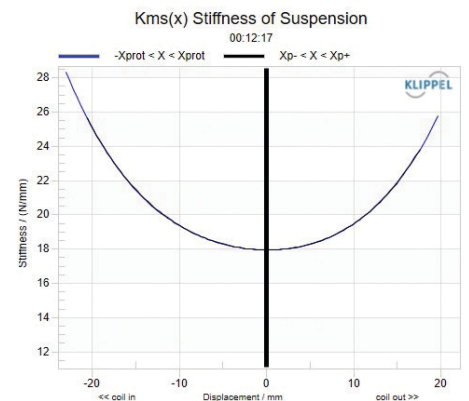
Frequency Response & Impedance



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 tested in free air.

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

Sensitivity: 383 litre ported cabinet tuned to 29 Hz, measured on axis at 1WCELESTION, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom

Parameters: Measured after unit subjected to pre-conditioning signal. 47 parameters shown.

