

TSQ2460

24-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

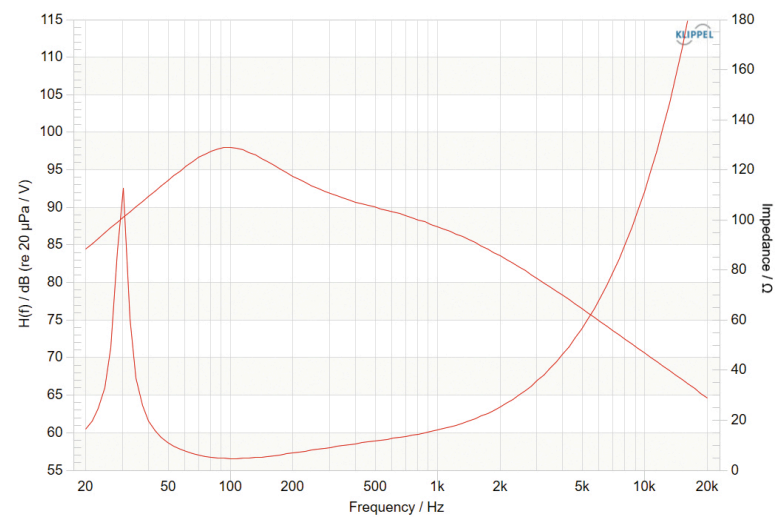
General Specifications

Nominal Diameter	610mm / 24in
Power Rating	2400W
Continuous power rating	4800W
Rated impedance	4 Ω 8 Ω
Sensitivity	98dB
Frequency range	20-200Hz
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 front & back
Surround material	Triple roll, cloth sealed
Suspension	Triple, polysiloxane-laminated
Gap height (Hg)	15mm / 0.59in
VC winding height (Hvc)	45mm / 1.77in

Mounting Information

Overall diameter	627mm / 24.7in
Overall depth	280mm / 11in
Cut-out diameter	571mm / 22.5in
Mounting hole dimensions	8.5x9mm / 0.33x0.35in
Number of mounting holes	8
Mounting hole PCD	596.3-606mm / 23.47-23.86in
Flange & gasket thickness	21mm / 0.83in
Unit weight	22kg / 48lb

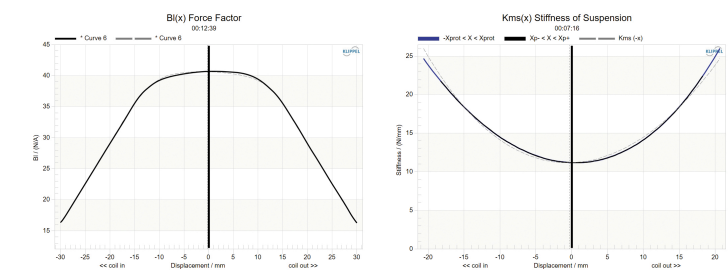
Frequencyresponse and impedance



Parameters

Sd	2239cm2 / 347in ²
Fs	29Hz
Mms	530g / 18.69oz
Qms	10.3
Qes	0.31
Qts	0.3
Re	5.1 Ω
Vas	404l / 14.26ft ³
Bi	40.5Tm
Cms	0.057mm/N
Rms	9.1kg/s
Le (at 1kHz)	2.5mH
Xmax	18.75mm / 0.73in
Xmech	74mm / 2.91in

Force factor (Bl) symmetry* Stiffness (K) symmetry*



Packed Dimensions & Weight

Single pack size W x D x H	650mm x 650mm x 290mm / 25.5in x 25.5in x 11.4in
Single pack weight	25kg / 55lb

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: $0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

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

* Simulated data

