

CELESTION

TRUVOX



Drop-In Replacement and Upgrade Solutions for Mid/Bass Applications

CELESTION TRUVOX

With an industry standard frame size that makes them an ideal solution for a wide variety of sound reinforcement applications, the Truvox series of ferrite magnet, pressed steel frame mid/bass transducers have been built to be the best performers in their class. They offer greater power handling and efficiency, and most importantly deliver an outstanding sonic performance.

In 1949, Celestion joined forces with the Truvox company, a brand known for its public address speakers throughout the early to mid-20th century. By revitalising Truvox for the modern era, Celestion is celebrating a long legacy of developing and producing high-quality, general-purpose speakers for a wide variety of sound reinforcement applications.

21st Century Truvox products combine Celestion's significant experience in loudspeaker design with today's best materials science, manufacturing processes, and quality assurance metrics. This makes Truvox the obvious choice for end users, installers and manufacturers alike in search of outstanding value that refuses to sacrifice quality.



15-inch pressed steel chassis,
ferrite magnet mid/bass driver

Truvox 1525

- Excellent drop-in replacement/upgrade model for 15in mid/bass applications
 - FEA optimised magnet assembly
- Triple roll surround for superior performance stability
 - Glass fibre reinforced cone for added durability
 - Robust pressed steel chassis with front and rear mounting gaskets

800W

continuous power rating

96dB

sensitivity

2.5-inch

voice coil diameter



General Specifications

Nominal diameter	381mm / 15in
Power rating ¹	400W
Continuous power rating ²	800W
Rated impedance	8Ω
Sensitivity ³	96 dB
Frequency range	40-4000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.42kg / 50oz
Voice coil diameter	64mm / 2.5in
Voice coil material	Copper clad aluminium
Former material	Polyimide
Cone material	Glass loaded cellulose
Surround material	Triple roll, cloth sealed
Suspension	Single
Gap height (H _g)	8mm / 0.31in
VC winding height (H _{vc})	13.5mm / 0.53in

Parameters⁴

Sd	855.3cm ² /132.57in ²
Fs	49Hz
Mms	80.772
Qms	12.918
Qes	0.803
Qts	0.756
Re	6.58Ω
Vas	135.4l
Bl	14.273Tm
Cms	0.131mm/N
Rms	1.924kg/s
Le (at 1kHz)	0.703mH
Xmax ⁵	4.75mm / 0.19in

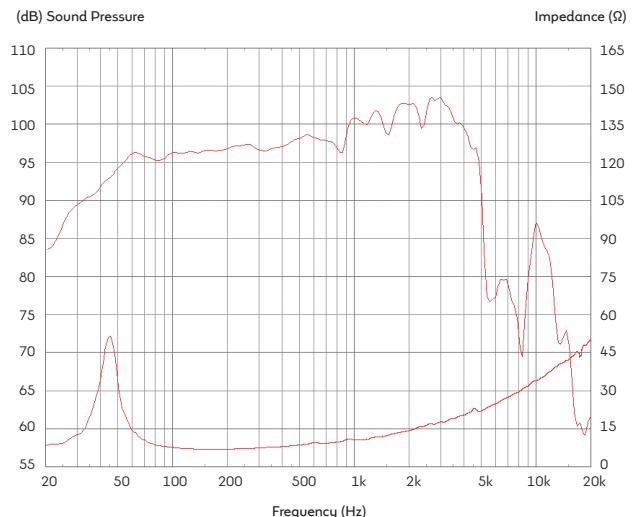
Mounting Information

Overall diameter	384mm / 15.12in
Overall depth	151.7mm / 5.97in
Cut-out diameter	352mm / 13.86in
Mounting hole dimensions	6.2mm x 9.2mm / 0.24mm x 0.36in
Number of mounting holes	8
Mounting hole PCD	366-372mm / 14.41-14.65in
Unit weight	4.8kg / 10.6lb

Packed Dimensions & Weights

Single pack size (WxDxH)	415mm x 415mm x 190mm
	16.3in x 16.3in x 7.5in
Single pack weight	6kg / 13.2lb

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

1. 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. 2. Defined as 3dB greater than the AES rating. 3. Measured on axis at 1W, 1m in 2n anechoic environment. 4. Measured after unit subjected to pre-conditioning signal. 5. 0.5*(Hvc-Hg) + 0.25*Hg.

Truvox 1225

12-inch pressed steel chassis,
ferrite magnet mid/bass driver



- Excellent drop-in replacement/upgrade model for 12in mid/bass applications
 - FEA optimised magnet assembly
- Triple roll surround for superior performance stability
 - Glass fibre reinforced cone for added durability
 - Robust pressed steel chassis with front and rear mounting gaskets

600W
continuous power
rating

96dB
sensitivity

2.5-inch
voice coil diameter

General Specifications

Nominal diameter	305mm / 12in
Power rating ¹	300W
Continuous power rating ²	600W
Rated impedance	8Ω
Sensitivity ³	96dB
Frequency range	50-4000Hz
Chassis type	Pressed Steel
Magnet type	Ferrite
Magnet weight	1.42kg / 50oz
Voice coil diameter	64mm / 2.5in
Voice coil material	Copper clad aluminium
Former material	Polyimide
Surround material	Cloth-sealed
Suspension	Single
Gap height (H _g)	9.5mm / 0.37in
VC winding height (H _w)	14.3mm / 0.56in

Parameters⁴

Sd	530.93cm ² / 82.29in ²
Fs	60.3Hz
Mms	51.39g/1.81oz
Qms	7.389
Qes	0.681
Qts	0.623
Re	6.38Ω
Vas	54.15l/1.91ft ³
Bl	13.51Tm
Cms	0.14mm/N
Rms	2.63kg/s
Le (at 1kHz)	0.68mH
Xmax ⁵	4.75mm / 0.19in

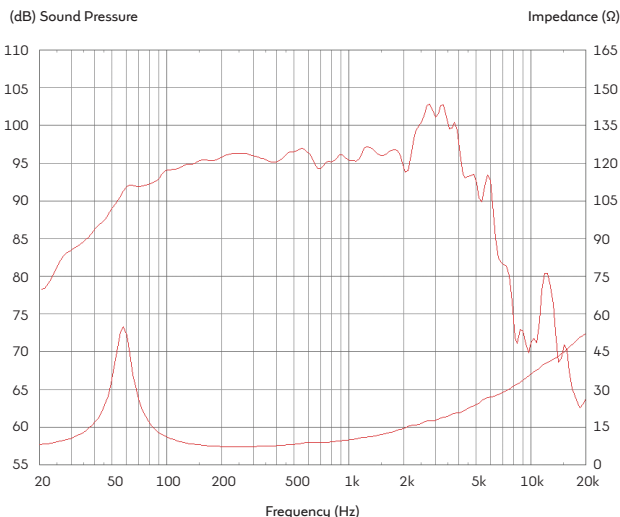
Mounting Information

Overall diameter	305.6mm / 12.03in
Overall depth	131.4mm / 5.17in
Cut-out diameter	284.5mm / 11.2in
Mounting hole dimensions	6.4mm / 0.25in Ø
Number of mounting holes	8
Mounting hole PCD	294.4mm / 11.6in
Unit weight	4.7kg / 10.4lb

Packed Dimensions & Weights

Single pack size (WxDxH)	350mm x 340mm x 180mm 13.8in x 13.4in x 7.1in
Single pack weight	5.7kg / 12.6lb

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

1. 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. 2. Defined as 3dB greater than the AES rating.
3. Measured on axis at 1W, 1m in 2n anechoic environment. 4. Measured after unit subjected to pre-conditioning signal. 5. 0.5*(H_w-H_g) + 0.25*H_g.

8-inch pressed steel chassis, ferrite magnet mid/bass driver

- Lightest weight in product class
- Excellent drop-in replacement/upgrade model for 8in mid/bass applications
 - FEA optimised magnet assembly
 - Triple roll surround
- Robust pressed steel chassis with front and rear mounting gaskets

500W
continuous power rating

96dB
sensitivity

2-inch
voice coil diameter

Truvox 0820



General Specifications

Nominal diameter	200mm / 8in
Power rating ¹	250W
Continuous power rating ²	500W
Rated impedance	8Ω
Sensitivity ³	96dB
Frequency range	70-6000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Voice coil diameter	50mm / 2in
Voice coil material	Copper
Former material	Polyimide
Cone material	Cellulose
Surround material	Cloth-sealed
Suspension	Single
Gap height (H _g)	8mm / 0.31in
VC winding height (H _{vc})	14mm / 0.55in

Parameters⁴

Sd	226.98cm ² / 35.18in ²
Fs	74.1Hz
Mms	19.49
Qms	6.304
Qes	0.417
Qts	0.390
Re	6.06Ω
Vas	17.25l / 0.61ft ³
Bl	11.51Tm
Cms	0.24mm/N
Rms	1.50kg/s
Le (at 1kHz)	0.543mH
Xmax ⁵	5mm / 0.2in

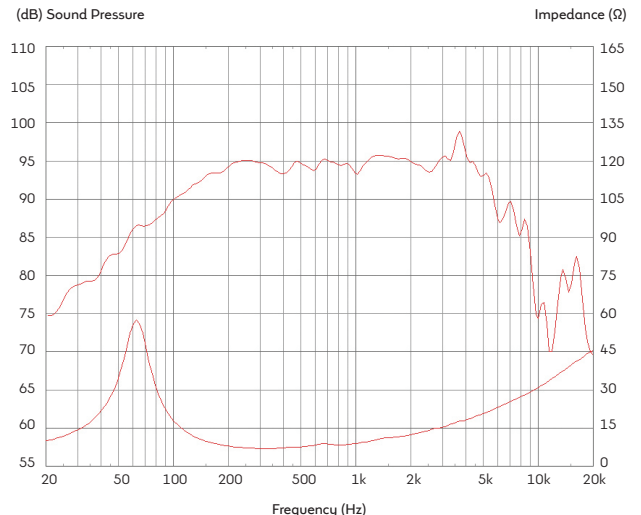
Mounting Information

Overall diameter	208.5mm / 8.21in
Overall depth	94mm / 3.7in
Cut-out diameter	184mm / 7.24in
Mounting hole dimensions	5.5x9.4mm / 0.22x0.37in
Number of mounting holes	8
Mounting hole PCD	193-201mm / 7.6-7.9in
Unit weight	3kg / 6.6lb

Packed Dimensions & Weights

Single pack size (WxDxH)	235 x 235 x 130mm 9.3 x 9.3 x 5.1in
Single pack weight	3.5kg / 7.7lb

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

1. 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. 2. Defined as 3dB greater than the AES rating. 3. Measured on axis at 1W, 1m in 2n anechoic environment. 4. Measured after unit subjected to pre-conditioning signal. 5. 0.5*(Hvc-Hg) + 0.25*Hg.

Truvox 0615

6.5-inch pressed steel chassis,
ferrite magnet mid/bass driver



- Lightest weight in product class
- Excellent drop-in replacement/upgrade model for 6in mid/bass applications
- FEA optimised magnet assembly
 - Double roll surround
- Robust pressed steel chassis with front and rear mounting gaskets

300W
continuous power
rating

93dB
sensitivity

1.5-inch
voice coil diameter

General Specifications

Nominal diameter	160mm / 6.5in
Power rating ¹	150W
Continuous power rating ²	300W
Rated impedance	8Ω
Sensitivity ³	93dB
Frequency range	80-5000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.56kg / 20oz
Voice coil diameter	38mm / 1.5in
Voice coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Gap height (H _g)	6mm / 0.24in
VC winding height (H _{vc})	10mm / 0.39in

Parameters⁴

Sd	154.54cm ² /23.95in ²
Fs	89.6Hz
Mms	10.584g/0.373in
Qms	5.535
Qes	0.516
Qts	0.472
Re	5.59Ω
Vas	7.44l/0.26ft ³
Bl	8.032Tm
Cms	0.298
Rms	1.076kg/s
Le (at 1kHz)	0.369mH
Xmax ⁵	3.5mm / 1.38in

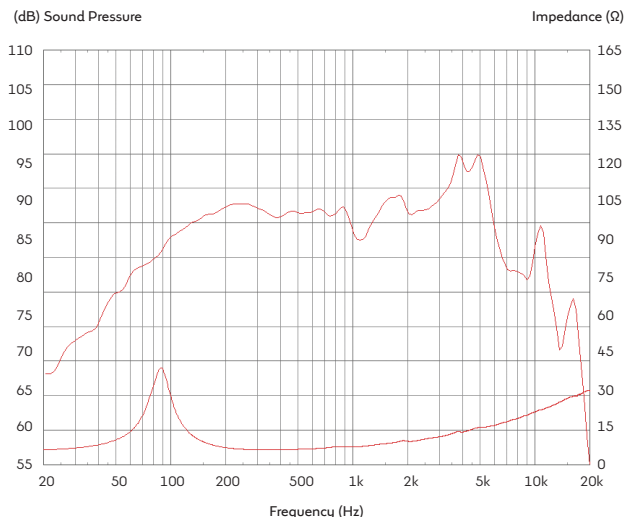
Mounting Information

Overall diameter	167.4mm / 6.59in
Overall depth	65.5mm / 2.6in
Cut-out diameter	143.5mm / 5.65in
Mounting hole dimensions	8x5.5mm / 0.31x0.22in
Number of mounting holes	4
Mounting hole PCD	153.5-158.5mm / 6.04-6.24in
Unit weight	1.7kg / 3.7lb

Packed Dimensions & Weights

Single pack size (WxDxH)	200 x 200 x 110mm 7.9 x 7.9 x 4.4in
Single pack weight	1.9kg / 4.1lb

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

1. 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. 2. Defined as 3dB greater than the AES rating.
3. Measured on axis at 1W, 1m in 2n anechoic environment. 4. Measured after unit subjected to pre-conditioning signal. 5. 0.5*(H_{vc}-H_g) + 0.25*H_g.



CELESTION
celestion.com

Celestion,
Claydon Business Park,
Great Blakenham,
Ipswich IP6 0NL,
UK
Tel: +44 (0)1473 835300

Celestion adopts a progressive policy and we reserve the right to alter drive unit specifications and/or appearance without prior notice. E & OE.
(LIT0719/0626)