## CELESTIOח

## LF Loudspeakers



Topmost curve: Frequency response on axis | Secondary curve: Frequency Topmost curve.
response at $45^{\circ}$ off axis

Power rating: Tested for two hours using a continuous, band-limited pink noise ker tested in tree air

Continuous power rating: Defined as 3 dB greater than the AES rating.
Sensitivity: Measured on axis at $1 \mathrm{~W}, 1 \mathrm{~m}$ in 2 anechoic environment.
Parameters: Measured after unit subjected to pre-conditioning signal.
Xmax: $0.5^{*}(\mathrm{Hvc}-\mathrm{Hg})+0.25^{*} \mathrm{Hg}$

## General Specifications

| Nominal Diameter | $127 \mathrm{~mm} / 5 \mathrm{in}$ |
| :--- | :--- |
| Power Rating | 30 W |
| Continuous power rating | 60 W |
| EIA power rating | 50 W |
| Rated impedance | 8 |
| Sensitivity | 91 dB |
| Frequency range | $130-8000 \mathrm{~Hz}$ |
| Chassis type | Pressed steel |
| Magnet type | Ferrite |
| Magnet weight | $0.37 \mathrm{~kg} / 13 \mathrm{oz}$ |
| Voice coil diameter | $25 \mathrm{~mm} / 1 \mathrm{in}$ |
| Voice coil material | Round copper |
| Former material | Polyimide |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Xmax | $2.4 \mathrm{~mm} / 0.09 \mathrm{in}$ |
| Gap height (Hg) | $5 \mathrm{~mm} / 0.2 \mathrm{in}$ |
| VC winding height (Hvc) | $7.3 \mathrm{~mm} / 0.29 \mathrm{in}$ |

## Mounting Information

| Overall diameter | $136 \times 151 \mathrm{~mm} / 5.35 \times 5.94 \mathrm{in}$ |
| :--- | :--- |
| Overall depth | $68 \mathrm{~mm} / 2.7 \mathrm{in}$ |
| Cut-out diameter | $117 \mathrm{~mm} / 4.61 \mathrm{in}$ |
| Mounting hole dimensions | $4.5 \mathrm{~mm} / 0.18 \mathrm{in}$ |
| Number of mounting holes | 4 |
| Mounting hole PCD | $140 \mathrm{~mm} / 5.51 \mathrm{in}$ |
| Unit weight | $1.0 \mathrm{~kg} / 2.2 \mathrm{lb}$ |
| Parameters |  |
|  |  |
| Sd | $78.54 \mathrm{~cm} 2 / 12.17 \mathrm{in} 2$ |
| Fs | 128.10 Hz |
| Mms | $7.02 \mathrm{~g} / 0.25 \mathrm{oz}$ |
| Qms | 2.376 |
| Qes | 0.768 |
| Qts | 0.580 |
| Re | 6.32 |
| Vas | $7.38 \mathrm{l} / 0.26 \mathrm{ft} 3$ |
| Bi | 6.82 Tm |
| Cms | $0.22 \mathrm{~mm} / \mathrm{N}$ |
| Rms | $2.38 \mathrm{~kg} / \mathrm{s}$ |
| Le (at 1 kHz$)$ | 0.33 mH |
| Xmax | $2.4 \mathrm{~mm} / 0.09 \mathrm{in}$ |
|  |  |

## Packed Dimensions \& Weight

| Single pack size W x D x | $170 \mathrm{~mm} \times 180 \mathrm{~mm} \times 70 \mathrm{~mm} / 6.7 \mathrm{in} \times$ |
| :--- | :--- |
| H | $7.1 \mathrm{in} \times 2.8 \mathrm{in}$ |
|  |  |
| Single pack weight | $1.5 \mathrm{~kg} / 3.3 \mathrm{lb}$ |
| Multi pack qty | 12 |
| Multi pack size W x D x H | $320 \mathrm{~mm} \times 550 \mathrm{~mm} \times 190 \mathrm{~mm} / 12.6 \mathrm{in}$ |
|  | $\times 21.7 \mathrm{in} \times 7.5 \mathrm{in}$ <br>  <br> Multi pack weight |
|  | $15 \mathrm{~kg} / 33 \mathrm{lb}$ |

