

Full Range Loudspeakers

AF3010

3-inch ferrite-magnet compact full-range driver



- Specially treated weather-resistant cone
- Half roll elastomer surround
- Rising HF response

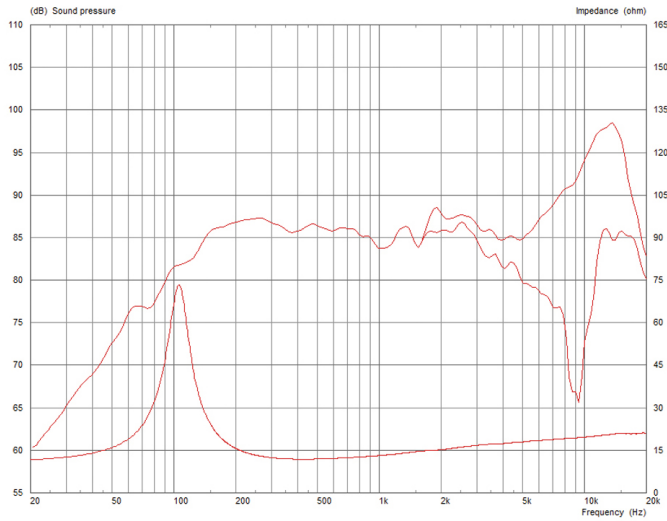
General Specifications

Nominal Diameter	75mm / 3in
Power Rating	35W
Continuous power rating	70W
Rated impedance	16 Ω
Sensitivity	87dB
Frequency range	120-18,000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	0.228kg / 8oz
Voice coil diameter	25mm / 1in
Voice coil material	Round copper
Former material	Polyimide
Cone material	Waterproof coated paper
Surround material	Elastomer
Suspension	Single
Gap height (Hg)	5mm / 0.2in
VC winding height (Hvc)	8mm / 0.31in

Mounting Information

Overall diameter	81mm / 3.19in
Overall depth	57mm / 2.2in
Cut-out diameter	72mm / 2.8in
Mounting hole dimensions	6x4.5mm / 0.24x0.18in
Number of mounting holes	4
Mounting hole PCD	91.3-93mm / 3.59-3.65in
Unit weight	580g / 1.3lb

Frequency Response and Impedance curves



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

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.

$X_{max} = 0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

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

Parameters

Sd	33.18cm ² / 5.14in ²
Fs	128.9Hz
Mms	3.55g / 0.13oz
Qms	6.096
Qes	0.843
Qts	0.740
Re	10.48Ω
Vas	0.67l / 0.02ft ³
Bi	5.98Tm
Cms	0.43mm/N
Rms	0.47kg/s
Le (at 1kHz)	0.26mH
Xmax	2.75mm / 0.11in

Packed Dimensions & Weight

Multi pack qty	48
Multi pack size W x D x H	680mm x 260mm x 150mm / 26.7in x 10.2in x 5.9in
Multi pack weight	34kg / 75lb

CELESTION