

# CELESTION

## LF Loudspeakers

### FTR15-3070E



### 15-inch, cast aluminium chassis, ferrite magnet LF driver

- Glass loaded paper cone with weather-resistant impregnation
- Airflow vented magnet assembly for dynamic heat dispersion

### 800W

Continuous power rating

### 97dB

sensitivity

### 3in

Round copper voice coil

#### General Specifications

Nominal Diameter	381mm / 15in
Power Rating	400W
Continuous power rating	800W
EIA power rating	500W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	40-4000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	2.3kg / 81oz
Voice coil diameter	75mm / 3in
Voice coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded paper (weather-resistant)
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	9mm / 0.35in
VC winding height (Hvc)	20mm / 0.79in
Additional impedances	4 ohm

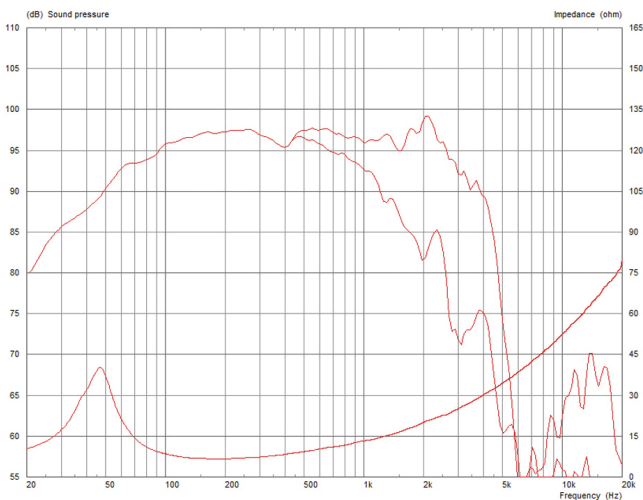
#### Parameters

Sd	855.30cm <sup>2</sup> / 132.57in <sup>2</sup>
Fs	45.90Hz
Mms	85.53g / 3.02oz
Qms	3.409
Qes	0.426
Qts	0.379
Re	5.52 ohm
Vas	145.75l / 5.15ft <sup>3</sup>
Bl	17.87Tm
Cms	0.14mm/N
Rms	7.23kg/s
Le (at 1kHz)	1.21mH
Xmax	7.75mm / 0.31in

#### Mounting Information

Overall diameter	385mm / 15.16in
Overall depth	161mm / 6.3in
Cut-out diameter	351mm / 13.82in
Mounting hole dimensions	10x7mm / 0.39x0.27in
Number of mounting holes	8
Mounting hole PCD	365-375mm / 14.37-14.76in
Unit weight	6.4kg / 14.1lb

#### Frequency Response and Impedance Curves



**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:**  $0.5 \cdot (Hvc-Hg) + 0.25 \cdot Hg$

#### Packed Dimensions & Weight

Single pack size W x D x H	435mm x 435mm x 200mm / x 17.1in 17.1in x 7.9in
Single pack weight	7.7kg / 17.0lb
Multi pack qty	36
Multi pack size W x D x H	1210mm x 1050mm x 980mm / 47.6in x 41.3in x 35.4in
Multi pack weight	260kg / 570lb

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