

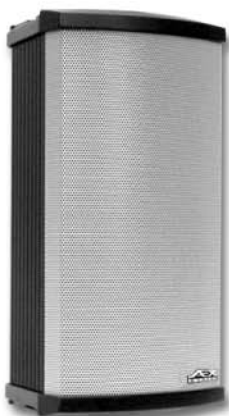


The FG 415 has been designed as a compact 2-way foreground music loudspeaker, providing speech clarity for announcements and music quality sound reproduction.

The unit utilises a 100 mm dynamic full range loudspeaker component to cater for the low frequencies a radial piezo horn tweeter for the high frequencies. A crossover unit is incorporated into the unit to enhance the response of the system as well as to improve the efficiency to the drives, all working seamlessly together to provide a frequency response of 137 Hz - 20 kHz and a maximum sensitivity of 105 dB, making the FG 415 suitable for applications that require music quality such as restaurant, entertainment center and retail outlets.

The components are enclosed in an aesthetically pleasing and durable aluminium extruded enclosure with die-casted end covers while the front of the unit is fitted with an electro-galvanised perforated steel mesh. Featuring a multiple tapping line matching transformer, the unit is suitable for a 70 V and 100 V distributed speaker system. A low impedance model is also available, FG 415L.

- 2-way loudspeaker system, featuring a 100 mm dynamic full range speaker driver coupled with a radial piezo horn tweeter.
- Built-in crossover unit to enhance the response of the system and to improve the efficiency of the drivers.
- Enclosed in a durable enclosure finished in a matt black and concrete grey color scheme to blend into most surroundings.
- Designed to complement the SU 650 Subwoofer unit for an extended low frequency response.

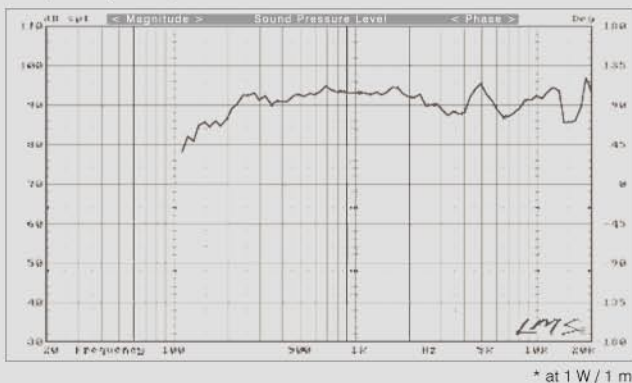
**FG 415****FG 415L**



### Technical Specifications

	FG 415	FG 415L
Rated Input	100 V : 15 W (15 - 7.5 - 3.8 W) 70 V : 7.5 W (7.5 - 3.8 - 1.9 W)	25 W (Continuous Program)
Maximum Power	23 W	100 W (Peak Program)
Rated Impedance	670 Ω (0.7 - 1.3 - 2.7 kΩ)	8 Ω
Sensitivity (1 W at 1m)	93 / 105 dB	93 / 105 dB
Coverage Angle (1 kHz, -6 dB)	90 deg.	90 deg.
Frequency Response	137 Hz ~ 20 kHz	137 Hz ~ 20 kHz
Safety	Acc. to EN 60065	Acc. to EN 60065
Speaker Component	LF : 100 mm Dynamic Full Range Loudspeaker HF : Radial Piezo Horn Tweeter Unit	LF : 100 mm Dynamic Full Range Loudspeaker HF : Radial Piezo Horn Tweeter Unit
Finish	Enclosure : Epoxy Coated Matt Black Mesh : Epoxy Coated Concrete Grey (RAL 7023)	Enclosure : Epoxy Coated Matt Black Mesh : Epoxy Coated Concrete Grey (RAL 7023)
Dimensions ( W x H x D )	132 x 262 x 128 mm	132 x 262 x 128 mm
Weight	2.6 kg	2.2 kg

### Frequency Response



### Engineers' Specifications

The 2-way foreground music loudspeaker shall be constructed from an extruded aluminium body and epoxy coated in matt black and a fine metal mesh front in Concrete Grey (RAL 7023). Its aluminium die-casted end pieces shall have a provision to cluster the loudspeaker units at a 30 deg. angle. M8 threaded slots shall be provided at the top and bottom of the enclosure to secure the wall mounting bracket provided together with the unit. It shall be fitted with a 100 mm dynamic full range loudspeaker driver and a radial piezo horn tweeter together with a 2-way 2nd order Linkwitz Riley crossover unit. The FG 415 unit shall have a line matching transformer provided with multiple impedance tapings of 0.7 - 1.3 2.7 kΩ, suitable for 70 / 100 V line distributed speaker system. The FG 415L unit shall be capable of handling 25 W of continuous program power. The loudspeaker unit shall have a useable frequency

range of 137 Hz ~ 20 kHz and a minimum SPL of 93 dB at 1 m / W with a coverage angle of ( H x V ) 90 deg.. The weight of the speaker unit shall not exceed 2.6 kg (FG 415) / 2.2 kg (FG 415L) and dimensions not more than ( W x H x D ) 132 x 262 x 128 mm.

