TP-M15E Y

EXPLOSION PROOF SPEAKER



The TP-M15E is a horn speaker with explosion-proof structure. It has a high insulation performance and offers high safety against dangers due to temperature rise and external damage.

Key features

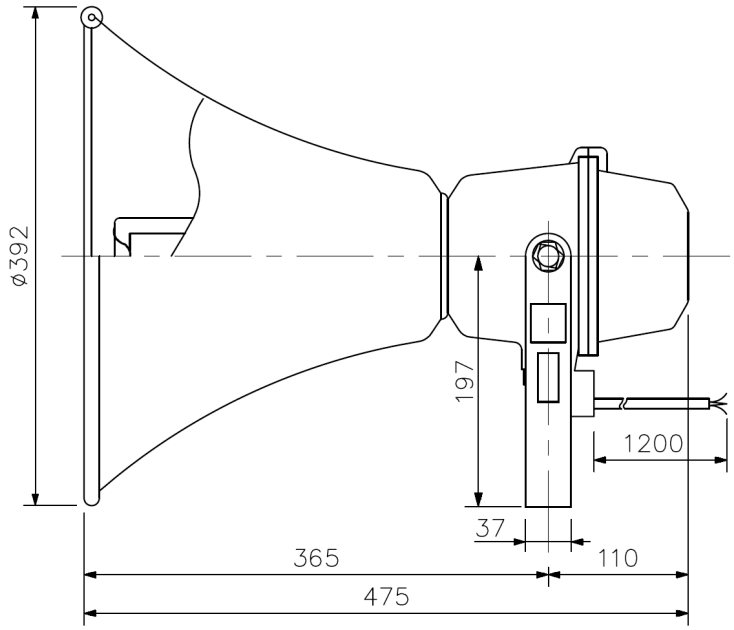
- Explosion-proof according to eG4 Standard (JIS-C0903)
- Aluminium horn
- Excellent frequency response
- High sound pressure level
- Mounting brackets are supplied for easy installation

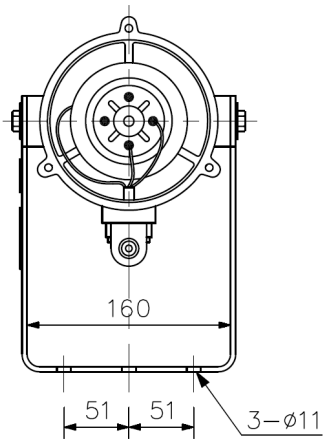
Specifications

Rated Input	15 W
Rated Impedance	670 Ω (15 W), 1 kΩ (10 W), 2 kΩ (5 W)
Sensitivity	104 dB (1 W, 1 m)
Frequency Response	300 Hz - 5.5 kHz
Standard Environmental Condition	Temperature: -20 °C to +40 °C Elevation: 1 km or less Relative humidity: 45 % to 85 % Others: Dust, corrosive gas or vibration which requires special consideration for explosion-proof equipment must not exist.
Category	eG4 (Increased safety explosioN_proof)
Finish	Horn: Aluminum, Ivory, Paint Others: Aluminum, Die-cast, Dark brown, Paint Bracket: Surface treated steel plat, Dark brown, Paint
Dimensions	Ø392 x 475 (D) mm
Weight	4.9 kg
Included Accessories	Hex wrench

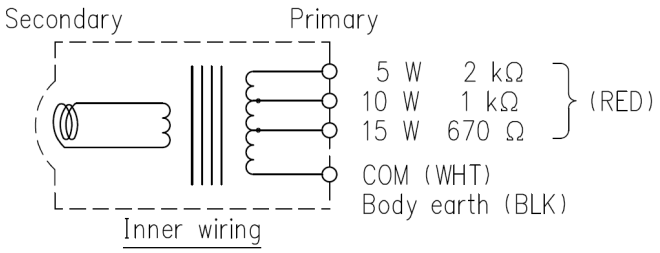
*Possible installation locations for this speaker: Places where an explosive atmosphere is unlikely to be generated during normal operation, and even if it is, it is generated for a short time only.
*The TP-M15E cannot be used in places where explosive atmosphere may be generated periodically or occasionally during normal operation.

Dimensions





Rear view without terminal box cover



Inner wiring

UNIT: mm

A&E specifications

The explosion-proof loudspeaker shall be approved for use in hazardous areas specifically classified as Class ||, Division 1 & 2, group G, category eG4 (increased safety explosion-proof).The unit shall have a smooth frequency response between 300 Hz to 5.5 kHz measured on axis. The loudspeaker shall produce a Sound Pressure Level (SPL) of 104 dB on axis at 1 meter with a power input of 1 watt and shall be capable of producing 15 watts of power. The unit shall be fitted with a 15-watt/100 volt line factory mounted transformer with power tapping's of 15 W, 10 W and 5 W clearly marked on the assembly.The explosion-proof loudspeaker shall operate in temperature conditions of between -20 °C to + 40 °C (-4 °F to 104 °F).The horn finish of the loudspeaker shall be in an ivory colour whilst the main driver and bracket shall be in dark brown. The mounting bracket shall be constructed of surface zinc treated steel plate. Dimensions shall be Ø392 × 475 (D) mm (15.43" × 18.7") weighing 4.9 kg (10.80lb.)