

ETH20MD LOUD 24/48 VDC



LOUDSPEAKER EXPLOSION PROOF with 24/48 VDC AMPLIFIER

- ✓ Full compliance with directive 2014/34/UE
- ✓ Full compliance with:
EN 60079-0:2012/A11:2013,
EN 60079-1:2014, EN 60079-31:2014
- ✓ Incorporate amplifier 24/48 VDC
- ✓ Acoustic pressure a 1 m
maximum power 112 dB
- ✓ Ex db IIB+H2 Gb Ex tb IIIC Db II2GD T6 T5
- ✓ Ex db IIC Gb Ex tb IIIC Db II2GD T6 T5
- ✓ zone 1, zone 2, zone 21, zone 22

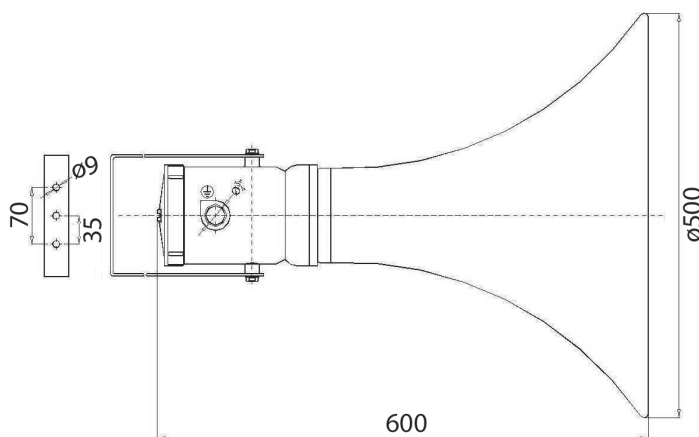


The explosion-proof loudspeakers ETH20MD LOUD 24/48 VDC series have been designed for use in potentially explosive atmospheres in presence of explosive gases and dusts. They have a high degree of protection (IP66) to withstand the harsh off-shore and on-shore plants environmental conditions. They are equipped with a class D audio amplifier powered at 24/48 VDC, to alarm systems and for public address. The chamber of acoustic compression is separated from the outer atmosphere through a special filter of sintering.

Possibility to select the sound level according to the real needs of the installation site. (4 power steps are available).

Materials:

Body, cover and horn cone in aluminium alloy. Adjustable galvanized steel bracket. Bolts and screws in stainless steel. Epoxy coating RAL 9005. Selectable power.



ETH20MD LOUD 24/48 VDC	
Features transducer	
Work power	25 W
Maximum power	40 W
Impedance 1 kHz	8 Ω
Environmental	
IP Rating	IP66
Min / Max Amb Temp	-20°C / 60°C
Class D audio amplifier	
Input signal	0 dB at 600 8 Ω
Input sensitivity	40 mV / 150 k Ω
Power supply	from 24 VDC to 48 VDC
Absorption at maximum power	0.8 A @ 48 V - 1.2 A @ 24 VDC
Piloting	8 Ω loudspeakers
Output power	30 W
Total harmonic distortion + noise	(f = 1 kHz, PO = 20 W) 0.2%
Signal report / noise	(f = 1 kHz, Gain = 20 dB) 102 dB
Power regulation	adjustable with trimmer from zero to maximum power of the set step
Power Step	4 power steps are available, selectable by SW1 dip-switch Step 1 (gain 20 db) = 1.57 W Step 2 (gain 26 db) = 5.4 W Step 3 (gain 32 db) = 21.5 W Step 4 (gain 36 db) = 30.4 W
Frequency response	from 20 Hz to 20 kHz

Frequency band:

