



# **BRIEF INFORMATION**

# CA10 and CA12 Compressed Air Horn

- → Red plastic trumpet and a high performance compressor
- → ABS plastic body and support in galvanized metal
- → Horn set include compressor and mounting kits
- → With flat connections of 6.3 mm, open, blade type
- → For the vehicles without air tank on board

### PRODUCT FEATURES

#### **Application**

Horns are a mandatory part of the safety equipment of a vehicle. A particularly perceptible sound is necessary in order to be able to warn other road users optimally in dangerous situations. Our signal horns offer you a high level of functional reliability.

#### Design and function

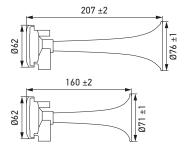
- → The sound is generated in the spiral horn by the vibration of two metal diaphragms set in vibration by the pressurized air produced by the electric compressor.
- → The diaphragms that are positioned inside the acoustic chambers press on the sealing lip which forms the inlet of the acoustic duct.
- → When a certain pressure is generated inside the acoustic chambers, the diaphragms move away from the lip resulting in passage of air and pressure drop, and then close again on the lip.
- → The cyclic repetition of this phenomenon generates the sound waves.

## **TECHNICAL DETAILS**

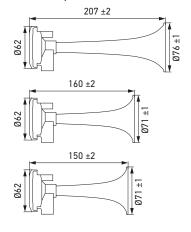
Technical data			
Short Code	CA10	CA12	
Rated voltage	12 V or 24 V		
Frequency range	600 Hz (low tone) 756 Hz (high tone)	600 Hz (low tone) 756 Hz (mid tone) 810 Hz (high tone)	
Sound pressure level @ 2 m	≥ 115 dB(A)		
Power consumption	252 W (12 V) 363 W (24 V)		
Compressor included	Yes		
Operating temperature	-40 °C to +75 °C		
Protection class	IP 54		
Service life	50,000 cycles (ECE-R28)		
Housing material	ABS		
Type approval	ECE-R28		

### Dimensional sketches

### CA10 Red Twin Tone Air Horn



### CA12 Red Triple Tone Air Horn



## **PROGRAM OVERVIEW**

Product picture	Description	Pipe length	Part number	Packaging unit		
CA10 Red Twin Tone Air Horn Includes: 2 pipes air horn, compressor, pressure tubes, bifurcated piece, fastening and relay						
	12 V, 600 / 756 Hz	160 mm, 207 mm	3PB 003 001-631	1 set		
	24 V, 600 / 756 Hz	100 111111, 207 111111	3PB 003 001-641	1 set		
CA12 Red Triple Tone Air Horn Includes: 3 pipes air horn, compressor, pressure tubes, bifurcated piece, fastening and relay						
	12 V, 600 / 756 Hz	150 mm, 160 mm,	3PB 003 001-981	1 set		
	24 V, 600 / 756 / 810 Hz	207 mm	3PD 013 410-031	1 set		