



## 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	
<b>CA10 Red Twin Tone Air Horn</b>	
<b>CA12 Red Triple Tone Air Horn</b>	

# PROGRAM OVERVIEW

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