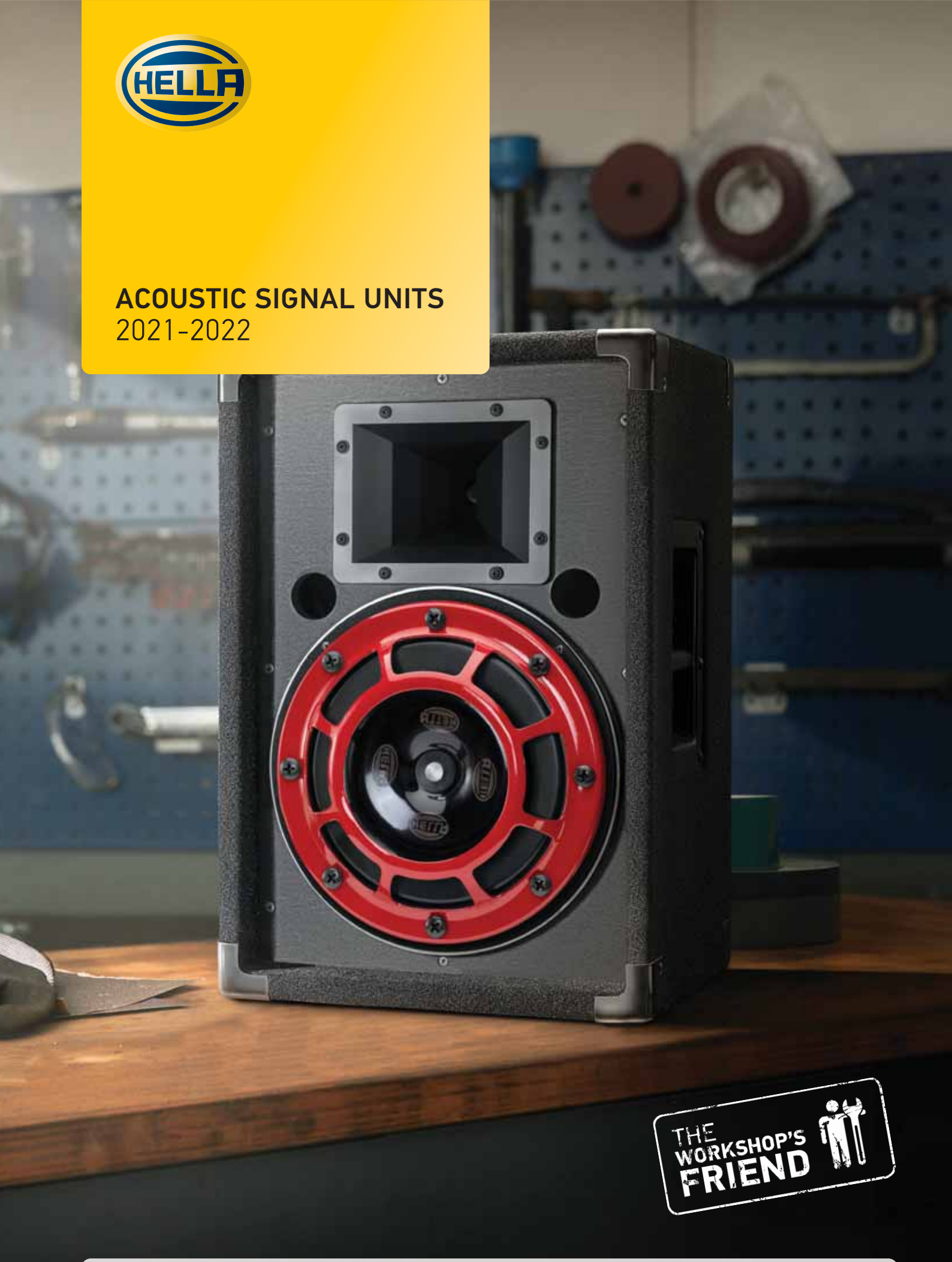
ACOUSTIC SIGNAL UNITS
2021-2022



www.hella.com/horns

HELLA GROUP

HELLA GmbH & Co. KGaA, LIPPSTADT
HELLA is a global, family-owned company, listed on the stock exchange, with more than 40,000 employees at over 125 locations in some 35 countries. The HELLA Group develops and manufactures products for lighting technology and electronics for the automotive industry and also has one of the largest retail organizations for automotive parts, accessories, diagnostics, and services within Europe. With more than 7,000 people working in research and development, HELLA is one of the most important innovation drivers on the market. Furthermore, the HELLA Group is one of the top 40 automotive parts suppliers in the world.

CONTENTS

INTRODUCTION	04
ACOUSTIC DEVICES	06
PRODUCT INTRODUCTION	07
MOUNTING THE SUPER-TONE HORN	12
PRODUCT OVERVIEW	16
PRODUCT RANGE	18
ACCESSORIES	32
ONLINE SERVICES	34

NOTE
All information in this brochure is provided for reference use only. Subject to change. HELLA is not responsible for the final use of the products, and care must be taken to ensure that the products are suitable for the application.

YOUR SAFETY IS OUR PRIORITY

MICROSITE: Find out about HELLA Electrics range

www.hellahd.com

Quality is extremely important in electric HELLA products such as relays, speakers, switches, flashing lights, electric vacuum pumps, plugs, sockets and much more, due to their high precision and reliability. HELLA products not only comply with the strict legal regulatory requirements but also with the much more demanding requirements made by vehicle manufacturers and the aftermarket.

HORNS APP - Online tool to compare the different acoustic signal units

www.hella.com/apps

DEAR PARTNERS AND CUSTOMERS

In this brochure, HELLA presents its complete range of Acoustic Signal Units. For HELLA safety is paramount, surely your customers will notice that our warning signals use the most modern acoustic technology. Integrating security, reliability and precision workmanship is a tradition that HELLA continues to do for more than 100 years.

COMPLIANCE WITH WORLDWIDE QUALITY STANDARDS

E CCC

For more details and other applications, please consult our website.
www.hella.com/horns

HELLA's packagings include an hologram to protect against counterfeiting. This new seal gives workshops, distributors and their customers the guarantee that they are using genuine HELLA parts."

ACOUSTIC SIGNAL UNITS

HELLA's horns, trumpet horns, and air trumpet horns are designed and manufactured with German precision technology. We work with world-class vehicle manufacturers so you can rest assured that your horns feature state-of-the-art and the best technologies.

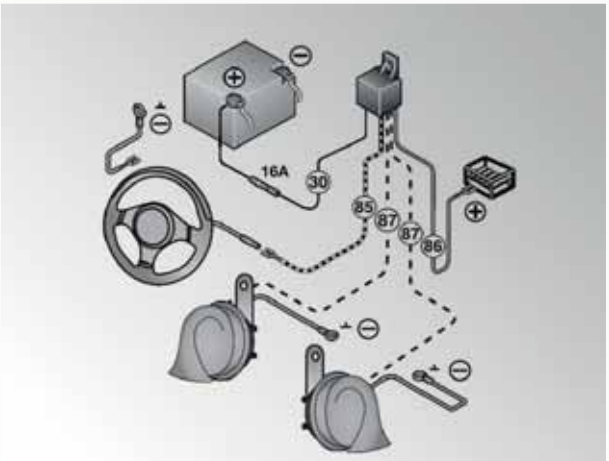
HELLA quality isn't just seen, it's also heard: our specialized experience in developing horns and air trumpet horns complies with strict ECE and OEM requirements, both in applications for passenger cars and commercial vehicles.

Our manufacturing plant HELLA India Automotive is fully committed to research and development as well as displaying a strict adherence to quality manufacturing. Leveraging HELLA's worldwide central resources for vehicle electronics, HELLA enforces the principles of developing state-of-the-art products and ensures the delivery of world-class horns to our customers.

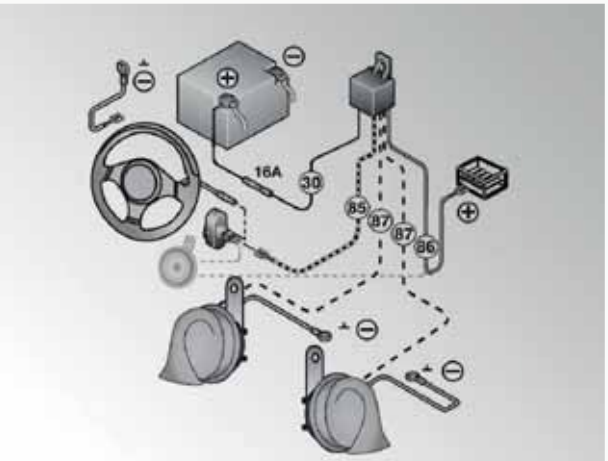
TYPICAL INSTALLATION INSTRUCTIONS

1) Before installation, ensure that the battery is disconnected from the vehicle wiring system.
2) Select a mounting location with enough space around the horns and other parts of the vehicle. The installation position must be protected against splash water.
3) Do NOT move, adjust, or change the bracket or nut. If you do, the electromechanical properties will be altered and cause a loss of performance.
4) Mount the horns/trumpets to a stable bracket.
5) Use a cable with a suitable diameter for mounting the horn, keeping in mind the amount of power needed by the horn.

Connection example.
Connections may differ depending on the vehicle!



Electrical connection



Installation with switch

PRODUCT INTRODUCTION
TRUMPET HORN

1. Bracket
2. Terminals
3. Contacts
4. Solenoid
5. Seal
6. Diaphragm
7. Base plate
8. Solenoid

HELLA

RECOMMENDATION FOR SELECTING A SIGNAL UNIT

The quality of horns and trumpet horns is not easy for people to gauge. HELLA has more than 100 years of experience in manufacturing high-quality acoustic devices and guarantee a pleasant and harmonic sound.

For various vehicle applications, HELLA provides professional recommendations on how to choose the right product. You can find details in the product overview.

HELLA recommends mounting a pair of horns to replace the vehicle's horn.

dB(A)

VOLUME

This is one of the key performance indicators for a horn's characteristics.

HELLA has a wide product range of horns and trumpet horns in the volume range of 108 dB(A) to 118dB(A).

PRODUCT INTRODUCTION
DISC HORN

1. **Bracket**
2. **Terminals**
3. **Contacts**
4. **Solenoid**
5. **Seal**
6. **Simple horn shank**
7. **Diaphragm**
8. **Cover ring**

FUNCTIONAL PRINCIPLE

Horns are powered by the battery current signal, which is commonly controlled by a voltage pulse sent from the steering wheel. The current signal is directed to a relay, which transmits the entire control current, preventing voltage drops.

As the horn is powered by the electric current, it forms a magnetic field, which attracts a metal core (shank) together with a steel diaphragm. This attraction causes vibrations, which are transformed by varying resonances in order to obtain low or high tones.

NOMINAL VOLTAGE

- → 7 - 12 V: for automotive vehicles, agricultural machinery, construction machinery, etc.
- → 7 - 24 V: for commercial vehicles, buses, municipal vehicles, etc.

PRODUCT INTRODUCTION
AIR TRUMPET HORNS

AIR TRUMPET HORNS
EFFICIENT SOUND

HELLA's air trumpet horns produce a loud, far-reaching sound. Ideal for vehicles which need to be heard in traffic.

HELLA's air trumpet horns are produced from durable materials, have a sharp sound, and include mounting materials. Their design is both striking and resistant to inclement weather.

PRODUCT INTRODUCTION
REVERSING AND WARNING ALARMS

REVERSING AND WARNING ALARM
SAFETY FIRST

In some countries, regulations require the installation of a reversing alarm when automotive vehicles have an obstructed view to the rear. The vehicle must have an audible reversing alarm that is louder than the surrounding noise level unless the vehicle is accompanied by an observer who signals when it is safe to reverse.

All bidirectional machinery, such as construction machinery, agricultural machinery, garbage trucks etc. must be equipped with a reversing alarm, which differs from surrounding noises and is triggered as required when the machinery is moving. The reversing alarm must always be fully operational. Many of the regulations require a sound level higher than 90 dB.

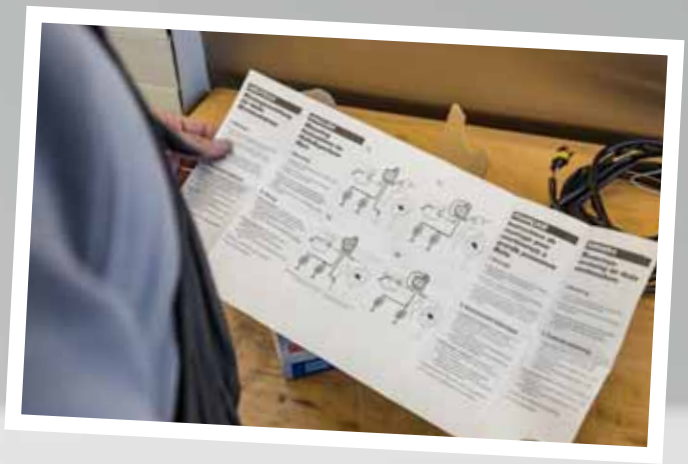
CONVERSION
HELLA B133 SUPER-TONE HORN

Depending on the application and conditions, you might find that your horn in not loud enough for safety purposes. In this case, it may be a good idea to install a louder horn so that a sufficient warning tone can be produced in dangerous situations. In order to demonstrate this kind of conversion and what you need to take into account, let's consider the example of the Audi TT/RS.

In most cases, the more powerful horns consume more (electrical) power, meaning that they cannot simply be installed in a vehicle without additional work. Only experienced personnel should therefore handle the conversion.

Prior to conversion, please check and/or ensure the following:

- → Carefully read the assembly instructions enclosed with the product
- → Find out the power consumption of super-tone horns using the technical data
- → Based on this information, check the vehicle wiring and fusing of the originally installed horns to see if they can be used



NOTE!
Should the vehicle wiring or fusing prove to be insufficient, it is essential that they are altered to suit the new installation situation.

Remove the fuse for the "Horn" circuit from the fuse box in order to cut the power supply of the acoustic signaling units for the duration of the electric connection.

- → **Switch off the ignition**
- → **Remove key from ignition**
- → **Remove bumper cover at front**

CONVERSION
HELLA B133 SUPER-TONE HORN

- → Remove originally installed horns with bracket
- → Disconnect electrical plug connections from the horns
- → Install super-tone horns

NOTE!
Due to the size of the new super-tone horns, check the optimal assembly position. The housing body must have sufficient leeway for swinging into all directions and should be in contact with the adjacent body parts.

- → Prepare electric connections for the new super-tone horns
- → Connect electric connections to the super-tone horns, then plug in and fix wiring harness to the cable guides
- → Insert fuse and conduct functional test

If the functional test is successful, the bumper cover can once again be mounted with all assembly parts, thus fully restoring the vehicle.

NOTE!
The housing body including retaining plate determine horn's tone. Changing the retaining plate on the super-tone horn can negatively impact the acoustic pattern.

Detailed installation instructions for the Audi TT/RS and others for the Jeep Grand Cherokee can be found in the HELLA TECH WORLD.

www.hella.com/techworld

PRODUCT SUMMARY

Series	Part Number	Frequency	Acoustic Intensity	Voltage	Energy consumption	Diameter / Size	Packaging / Content					
S70M	012588011	380 / 480 Hz	108 dB (A)	12 V	2 x 16 W	7 cm 7 x 9.5 cm	Box - 2 pieces	■				
	012588061	480 Hz	108 dB (A)	12 V	1 x 16 W		Blister- 1 piece	■				
S77	011225802	350 / 420 Hz	111 dB (A)	12 V	2 x 42 W	7.7 cm 4.7 x 10.5 cm	Box - 2 pieces	■	■	■		
	011225881	350 / 420 Hz	111 dB (A)	12 V	2 x 42 W		Box - 2 pieces		Toyota			
	011225891	350 / 420 Hz	111 dB (A)	12 V	2 x 42 W		Box - 2 pieces		Honda			
Specific Applications	011225101	420 Hz	111 dB (A)	12 V	1 x 42 W		Blister - 1 piece	■	■	■		
	011225102	420 Hz	111 dB (A)	12 V	1 x 42 W		Box - 1 piece	■	■	■		
S92	011225871	335 / 435 Hz	113 db (A)	12 V	2 x 60 W	9.2 cm 9.2 x 5.6 cm	Box - 2 pieces	■	■	■		
	012588071	435 Hz	113 db (A)	12 V	1 x 60 W		Blister - 1 piece	■	■	■		
	002768821	335 / 435 Hz	113 db (A)	24 V	2 x 72 W		Box - 2 pieces	■	■	■		
	012588141	335 Hz	113 db (A)	12 V	1 x 60 W		Blister - 1 piece	■	■	■		
S98	012588341	335 / 400 HZ	115 dB (A)	12 V	2 x 54 W	9.8 cm 8.8 x 5.4 cm	Box - 2 pieces	■	■	■		
	012588291	400HZ	115 dB (A)	12 V	1 x 54 W		Box - 1 piece					
M26	002952811	400 Hz	115 db (A)	12 V	1 x 66 W	9.7 cm 5.4 x 12.2 cm	Box - 1 piece		■	■		
	002952861	335 Hz	115 db (A)	12 V	1 x 66 W		Box - 1 Piece		■	■		
	006958901	335 Hz	115 db (A)	12 V	1 x 66 W		Box - 1 piece (Black)		■	■		
B36	002768082	335 Hz	116 db (A)	12 V	1 x 72 W	11.2 cm 5.3 x 12.9 cm	Box - 1 piece		■	■		
	002768551	400 Hz	116 db (A)	12 V	1 x 72 W		Box - 1 piece		■	■		
	002768382	335 Hz	116 db (A)	24 V	1 x 72 W		Box - 1 piece		■	■		
	002768431	400 Hz	116 db (A)	24 V	1 x 72 W		Box - 1 piece		■	■		
S130	004811091	280 / 380 Hz	118 dB (A)	12 V	2 x 48 W	13 cm 13 x 8.1 cm	Box - 2 pieces		■	■	■	■
	004811071	280 / 380 Hz	118 dB (A)	24 V	2 x 48 W		Box - 2 pieces		■	■	■	■
S140	004811101	280 / 380 Hz	118 dB (A)	12 V	2 x 48 W	14 cm 14 x 8.2 cm	Box - 2 pieces		■	■	■	■
	004811081	280 / 380 Hz	118 dB (A)	24 V	2 x 48 w		Box - 2 pieces		■	■	■	■
M26S	922000731	350 / 415 Hz	115 db (A)	12 V	2 x 42 W	10.8 cm 6.65 x 12.2 cm	Box - 2 pieces		■	■	■	■
B133	003399801	300 / 500 Hz	118 db (A)	12 V	2 x 66 W	12.3 cm 8.5 x 12.5 cm	Box - 2 pieces + Relay		■	■	■	■
	003399901	300 / 500 Hz	118 db (A)	12 V	2 x 66 W		Blister -2 pieces + Relay		■	■	■	■
	358114051	500 Hz	118 db (A)	12 V	1 x 66 W		Box - 1 piece		■	■	■	■
B133	003399101	375 / 500 Hz	118 db (A)	24 V	2 x 84 W	12.3 cm 8.5 x 12.5 cm	Box- 2 pieces		■	■	■	■
	003399061	375 Hz	118 dB (A)	24 V	1 x 84 W		Box - 1 piece		■	■	■	■
	003399071	500 Hz	118 dB (A)	24 V	1 x 84 W		Box - 1 piece		■	■	■	■
DL50	004811001	310 Hz	114 dB (A)	12 V	1 x 72 W	13 cm 6.1 x 14.3 cm	Box - 1 piece			■	■	■
	004811011	380 Hz	114 dB (A)	12 V	1 x 72 W		Box - 1 piece			■	■	■
	004811021	310 Hz	114 dB (A)	24 V	1 x 84 W		Box - 1 piece			■	■	■
	004811031	380 Hz	114 dB (A)	24 V	1 x 84 W		Box - 1 piece			■	■	■
TC16	011225831	400 / 500 Hz	113 dB (A)	12 V	2 x 72 W	8.6 cm 8.6 x 10.9 cm	Box - 2 pieces	■	■	■		
	012010971	400 / 500 Hz	113 dB (A)	12 V	2 x 72 W		Blister- 2 pieces	■	■	■		

Series	Part Number	Frequency	Acoustic Intensity	Voltage	Energy consumption	Diameter / Size	Packaging / Content					
TE16	012010981	400 / 500 Hz	110 db (A)	12 V	2 x 72W	8.1 cm 8.1 x 10.9 cm	Box - 2 pieces + Relay	■	■	■		
	007424801	400 / 500 Hz	110 db (A)	12 V	2 x 72W		Box - 2 pieces + Relay	■	■	■		
	012010851	400 / 500 Hz	110 db (A)	12 V	2 x72 W		Box - 2 pieces	■	■	■		
	007424811	400 / 500 Hz	110 db (A)	12 V	2 x72 W		Box - 2 pieces	■	■	■		
	012010801	400 / 500 Hz	110 db (A)	12 V	2 x72 W		Box - 2 pieces	■	■	■		
	012010821	400 / 500 Hz	110 db (A)	12 V	2 x72 W		Box - 2 pieces	■	■	■		
	007424001	400 Hz	110 db (A)	12 V	1 x 72 W		Box - 1 Pieces..	■	■	■		
	007424011	400 Hz	110 db (A)	12 V	1 x 72 W		Box - 1 Pieces.	■	■	■		
TC16S Aplicación Específica	011225841	400 / 500 Hz	113 db (A)	12 V	2 x 72 W	8.6 cm 8.6 x 10.9 cm	Box - 2 pieces		Audi, Seat VW			
	012010881	400 / 500 Hz	113 db (A)	12 V	2 x 72 W		Box - 2 pieces		BMW			
	011225921	400 / 500 Hz	113 db (A)	12 V	2 x 72 W		Box - 2 pieces		Ford			
	012010911	400 / 500 Hz	113 db (A)	12 V	2 x 72 W		Box - 2 pieces		Honda			
	011225901	400 / 500 Hz	113 db (A)	12 V	2 x 72 W		Box - 2 pieces		Hyundai			
	012010891	400 / 500 Hz	113 db (A)	12 V	2 x 72 W		Box - 2 pieces		Peugeot			
	012010901	400 / 500 Hz	113 db (A)	12 V	2 x 72 W		Box - 2 pieces		Toyota			
	011225851	400 / 500 Hz	113 db (A)	12 V	2 x 72 W		Box - 2 pieces		VW			
TE20C	007728883	410 / 510 Hz	112 db (A)	12 V	2 x 60 W	8.6 cm 9.1 x 9.7 cm	Box - 2 pieces	■	■	■	■	■
TE20	940800821	410 / 510 Hz	110 db (A)	24 V	2 x 72 W	8.6 cm 9.1 x 9.7 x 8.7	Box - 1 Piece				■	■
Midnight Black	011225161	490/410 Hz	110 db (A)	12 V	2 x 72 W	9.9 cm	Box - 2 pieces	■	■	■		
	011225171	490 Hz	110 db (A)	12 V	1 x 72 W	8.4x9.9 x 12	Box - 1 Piece	■	■	■		
Highway Trumpet	005411001	300 - 350 Hz	118 dB (A)	24 V	0 - 20 W	8 cm 7.8 x 16 x 41.5	Box - 1 piece				■	■
Air Compressor Trumpet	004206041	400 Hz	118 dB (A)	12 V	35 W	11.9 cm 9.7 x 9 x 31.1	Box - 1 piece				■	■
	004206011	400 Hz	118 dB (A)	24 V	50 W		Box - 1 piece				■	■
Double Tone Air Trumpet	003001651	780 / 840 Hz	118 dB (A)	12 V	240 W	16.3 cm 21.2 cm (longitudes)	Blister - 1 Set.			■	■	■
	003001661	780 / 840 Hz	118 dB (A)	24 V	240 W		Blister - 1 Set.			■	■	■
Triple Tone Air Trumpet	003001671	780/820/880	118 dB (A)	12 V	240 W	15.8 cm 16.6 cm 21.7 cm (longitudes)	Blister - 1 Set.			■	■	■
	003001981	630/795/840	118 dB (A)	12 V	240 W		Blister - 1 Set.			■	■	■
Air Compressor Horn	013410001	-	115 dB (A)	12 V	312 W	9.2 x 8.4 x 38.6	Blister - 1 Set.				■	■
Chrome Double Air Horn	013410051	-	125 dB (A)	12 V	41 W	40.2x9.6 x 15.6	Box - 1 piece				■	■
	013410061	-	125 dB (A)	24 V	77 W		Box - 1 piece				■	■
Single-tone air horn	013410011	-	115 dB (A)	12 V 24 V	120 W	11.6x 14.4x 20.3	Box - 1 piece				■	■
Backup Alarm	009148142	1200 Hz	110 dB (A)	9 - 28 V	5.5 W	10.1 x 3.9 x 6.5	Blister - 1 piece		■	■	■	■
	009148141	1200 Hz	110 dB (A)	9 - 28 V	5.5 W		Box - 1 piece		■	■	■	■
	009148161	1200 Hz	110 dB (A)	9 - 28 V	5.5 W		Box - 1 piece		■	■	■	■
	009148221	1200 Hz	107 dB (A)	9 - 28 V	5.5 W		Box - 1 piece		■	■	■	■
Backup Alarm	996139001	1200 Hz	87 dB (A)	12 - 36 V	0.59 A	18x 7.8 x 10.2	Box - 1 piece		■	■	■	■
	996139101	1300 Hz	107 dB (A)	12 - 36 V	0.4 A		Box - 1 piece		■	■	■	■
	996139111	1250 Hz	112 dB (A)	12 - 36 V	0.4 A		Box - 1 piece		■	■	■	■
Backup Alarm	009148001	1250 Hz	90 dB (A)	12 - 24 V	0.2 A	10.1 x 6 x 7.4	Box - 1 piece		■	■	■	■
	009148011	1250 Hz	97 dB (A)	12 - 24 V	0.4 A		Box - 1 piece		■	■	■	■
	009148021	1250 Hz	107 dB (A)	12 - 24 V	0.7 A		Box - 1 piece		■	■	■	■

Product image / Dimensions	Features

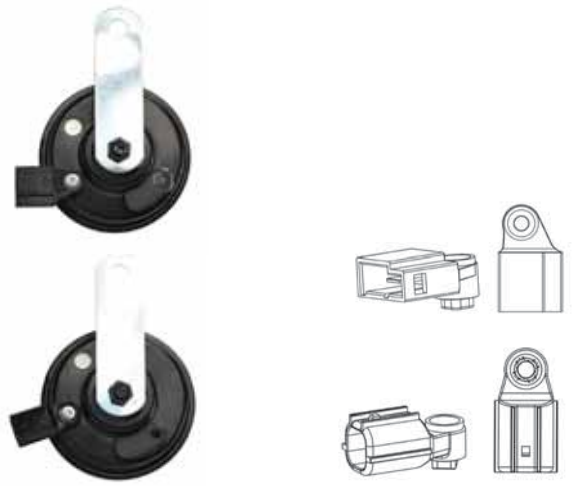
2 Pieces 1 Piece

S70M Series - Horns for Motorcycles

Housing and bracket in black galvanized metal.
Level of acoustic intensity at 2 m distance: 108 dB (A).
Energy consumption: 16 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
Approval: ECE

380 / 480 Hz | 108 dB (A) | 12 V⎓ | 7 cm (2.75") | 2 x 16 W | ECE R28

Part Number	Quantity	Description
012588011	2 Pieces	**Horns Box (graphic)** **12 V, 2 x 16 W, 380 / 480 Hz - Universal** Diameter | Measurements: 7 cm | 7 x 9.5 cm
012588061	1 Piece	**High Tone - Plastic blister** **Horn 12 V, 16 W, 480 Hz - Universal** Diameter | Measurements: 7 cm | 7 x 9.5 cm



2 Pieces 1 Piece 1 Piece

S77 Series - Compact Horns

Housing and bracket in black galvanized metal.
Level of acoustic intensity at 2 m distance: 111 dB (A).
Energy consumption: 2 x 42 W
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
With Teflon gasket as protection against moisture.
Approval: ECE R28

350 / 420 Hz | 111 dB (A) | 12 V⎓ | 7.7 cm (3.03") | 2 x 42 W | ECE R28

Part Number	Quantity	Description
011225802	2 Pieces	**Box (graphic)** **Horns 12 V, 2 x 42 W, 350/420 Hz - Universal** Diameter | Measurements: 7.7 cm | 4.7 x 10.5 cm
011225101	1 Piece	**High Tone - Plastic blister** **Horn 12 V, 1 x 42 W, 420 Hz - Universal** Diameter | Measurements: 7.7 cm | 4.7 x 10.5 cm Individual presentation in blister pack
011225102	1 Piece	**High Tone - Box (graphic)** **Horn 12 V, 1 x 42 W, 420 Hz - Universal** Diameter | Measurements: 7.7 cm | 4.7 x 10.5 cm Individual presentation in Box
011225881	2 Pieces	**Horns 12 V, 2 x 42 W, 350/420 Hz - TOYOTA** Diameter | Measurements: 7.7 cm | 4.7 x 10.5 cm With specific connector for Toyota
011225891	2 Pieces	**Horns 12 V, 2 x 42 W, 350/420 Hz - HONDA** Diameter | Measurements: 7.7 cm | 4.7 x 10.5 cm With specific connector for Honda

Product image / Dimensions	Features

S92 Series

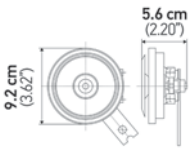
Housing, diaphragm and bracket in black galvanized metal.
Level of acoustic intensity at 2 m distance: 113 dB (A).
Energy consumption: 2 x 60 W @12 V | 2 x 72 W @ 24 V
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F).
With flat connections of 6.3 mm, open, blade type.
Approval: CCC

335 / 435 Hz | 113 dB (A) | 12 V⎓ 24 V⎓
9.2 cm (3.62") | 2 x 60 W @ 12V 2 x 72 W @ 24 V | CCC

Part Number	Quantity	Description
011225871	2 Pieces	**Box (graphic)** **Horns 12 V, 2 x 60 W, 335/435 Hz - Universal** Diameter | Measurements: 9.2 cm | 9.2 x 5.6 cm
002768821	2 Pieces	**Box (graphic)** **Horns 24 V, 2 x 72 W, 335/435 Hz - Universal** Diameter | Measurements: 9.2 cm | 9.2 x 5.6 cm
012588071	1 Piece	**High Tone - Plastic blister** **Horn 12 V, 1 x 60 W, 435 Hz - Universal** Diameter | Measurements: 9.2 cm | 9.2 x 5.6 cm
012588141	1 Piece	**Low Tone - Plastic blister** **Horn 12 V, 1 x 60 W, 335 Hz - Universal** Diameter | Measurements: 9.2 cm | 9.2 x 5.6 cm

2 Piece

1 Piece



New

S98 Series

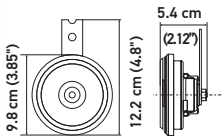
Black housing with red with red diaphragm and galvanized metal bracket.
Level of acoustic intensity at 2 m distance: 115 dB(A).
Energy consumption: 54 W
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R2

335 / 400 Hz | 115 dB (A) | 12 V ⎓
9.8 cm (3.85") | 2 x 54 W | ECE R28

Part Number	Quantity	Description
012588341	2 Pieces	**Box (graphic)** **Horn12 V, 2 x 54 W, 335 / 400 Hz - Universal** Diameter | Measurements: 9.8 cm | 9.8 x 12.2 cm
012588291	1 Piece	**Box (graphic)** **Low Tone** **12 V, 54 W, 400 Hz - Universal** Diameter | Measurements: 9.8 cm | 9.8 x 12.2 cm

2 Pieces

1 Piece



Product image / Dimensions	Features

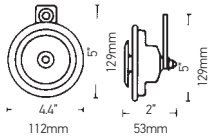
B36 Series

Housing and bracket in galvanized metal, black diaphragm
Level of acoustic intensity at 2 m distance: 116 dB (A).
Energy consumption: 72 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
Approval: ECE R28

335 / 400 Hz | 116 dB (A) | 12 V 24 V | 11.2 cm (4.40") | 72 W | ECE R28

Part Number	Quantity	Description
002768082	1 Piece	**Low Tone** **Horn 12 V, 72 W, 335 Hz - Universal** Diameter | Measurements: 11.2 cm | 5.3 x 12.9 cm
002768551	1 Piece	**High Tone** **Horn 12 V, 72 W, 400 Hz - Universal** Diameter | Measurements: 11.2 cm | 5.3 x 12.9 cm
002768382	1 Piece	**Low Tone - 24 V** **Horn 24 V, 72 W, 335 Hz - Universal** Diameter | Measurements: 11.2 cm | 5.3 x 12.9 cm
002768431	1 Piece	**High Tone - 24 V** **Horn 24 V, 72 W, 400 Hz - Universal** Diameter | Measurements: 11.2 cm | 5.3 x 12.9 cm

1 Piece



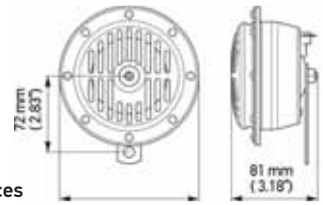
S130 Series

Distinctive look and heavy-duty design
Level of acoustic intensity at 2 m distance: 118 dB(A).
Embedded HELLA Logo on the center of the grille
Black coated housing with a chromed protective grille
Enhanced low bass sound
Available for 12 V and 24 V
Operating Temperature: -40° C a 90° C (-40°F a 194°F)

280/ 380 Hz | 118 dB (A) | 12 V 24 V | 13 cm (5.11") | 2 x 48 W | ECE-R28

Part Number	Quantity	Description
004811091	2 Pieces	**Box (graphic)** **Horn 12 V, 2 x 48 W, 280/380 Hz - Universal** Diameter | Measurements: 13 cm | 13 x 8.1 cm
004811071	2 Pieces	**Box (graphic)** **Horn 24 V, 2 x 48 W, 280/380 Hz - Universal** Diameter | Measurements: 13 cm | 13 x 8.1 cm

2 Pieces

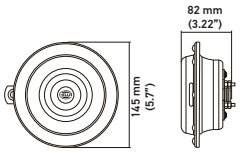


S140 - Set of Horns

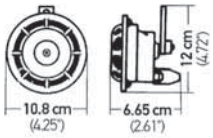
Housing and bracket in galvanized metal, black diaphragm
Level of acoustic intensity at 2 m distance: 118 dB (A).
Energy consumption: 2 x 48 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
Approval: ECE R28

350 /415 Hz | 115 dB (A) | 12 V 24 V | 10.8 cm (4.25") | 2 x 42 W | ECE R28

Part Number	Quantity	Description
004811101	2 Pieces	**Horns 12 V, 2 x 48 W, 280 / 380 Hz - Universal** Diameter | Measurements: 14.4 cm | 14.4 x 82.4 cm
004811081	2 Pieces	**Horns 12 V, 2 x 48 W, 280 / 380 Hz - Universal** Diameter | Measurements: 14.4 cm | 14.4 x 82.4 cm



Product image / Dimensions	Features



M26S Series - Set of Horns

Black housing and bracket, yellow protective grid and blue diaphragm in galvanized metal.
Level of acoustic intensity at 2 m distance: 115 dB(A).
Energy consumption: 2 x 42 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28

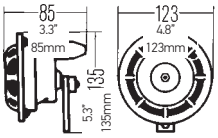
350 /415 Hz | 115 dB (A) | 12 V | 10.8 cm (4.25") | 2 x 42 W | ECE R28

Part Number	Quantity	Description
922000731	2 Pieces	**Horns 12 V, 2 x 42 W, 350 / 415 Hz - Universal** Diameter | Measurements: 10.8 cm | 6.65 x 12.2 cm

2 Pieces
1 Relay

2 Pieces
1 Relay

1 Piece



B133 Series - Supertone Horns with 12 V Relay

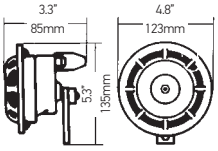
Extremely concentrated sound radiation and powerful range. Particularly suitable for traffic on motorways.

Black housing, diaphragm and bracket, red protective grille, in galvanized metal.
Level of acoustic intensity at 2 m distance: 118 dB(A).
Energy consumption: 2 x 66 W
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28

12 V | 300 / 500 Hz | 118 dB (A) | ECE R28 | 12.3 cm (4.84") | 2 x 66 W

Part Number	Quantity	Description
003399901	2 Pieces	**Plastic blister** **Horns 12 V, 2 x 66 W, 300/500 Hz - Universal** Diameter | Measurements: 12.3 cm | 8.5 x 12.5 cm
	1 Piece	Includes 12 V Relay
003399801	2 Pieces	**Box (graphic)** **Horns 12 V, 2 x 66 W, 300/500 Hz - Universal** Diameter | Measurements: 12.3 cm | 8.5 x 12.5 cm
	1 Piece	Includes 12 V Relay
358114051	1 Piece	**High Tone - Box (yellow)** **Horn 12 V, 1 x 66 W, 500 Hz - Universal** Diameter | Measurements: 12.3 cm | 8.5 x 12.5 cm

2 Pieces



B133 Series - Set of Supertone Horns

Black housing, protective grille and bracket, in galvanized metal.
Level of acoustic intensity at 2 m distance: 118 dB(A).
Energy consumption: 2 x 84 W @ 24 V
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28

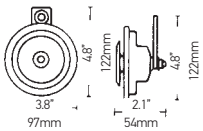
375 / 500 Hz | 118 dB (A) | 24 V | 12.3 cm (4.84") | 2 x 84 W @ 24 V | ECE R28

Part Number	Quantity	Description
003399101	2 Pieces	**Horns 24 V, 2 x 84 W, 375/500 Hz - Universal** Diameter | Measurements: 12.3 mm | 8.5 x 12.5 cm
003399061	1 Piece	**Low Tone** **Horns 24 V, 1 x 84 W, 375 Hz - Universal** Diameter | Measurements: 12.3 cm | 8.5 x 12.5 cm
003399071	1 Piece	**High Tone** **Horns 24 V, 1 x 84 W, 500 Hz - Universal** Diameter | Measurements: 12.3 cm | 8.5 x 12.5 cm

Product image / Dimensions	Features

002952811 /002952861

006958901



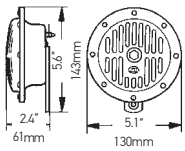
M26 Series

Housing and bracket in galvanized metal, black diaphragm
Level of acoustic intensity at 2 m distance: 115 dB (A).
Energy consumption: 66 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28

335 / 400 Hz | 115 dB (A) | 12 V | 9.7 cm (3.81") | 66 W | ECE R28

Part Number	Quantity	Description
002952811	1 Piece	**High tone** **Horn 12 V, 66 W, 400 Hz - Universal, silver** Diameter | Measurements: 9.7 mm | 5.4 x 12.2 cm
002952861	1 Piece	**Low Tone** **Horn 12 V, 66 W, 335 Hz - Universal, silver** Diameter | Measurements: 9.7 mm | 5.4 x 12.2 cm
006958901	1 Piece	**Low Tone** **Horn 12 V, 66 W, 335 Hz - Universal, black** Diameter | Measurements: 9.7 mm | 5.4 x 12.2 cm

1 Piece



DL50 Series

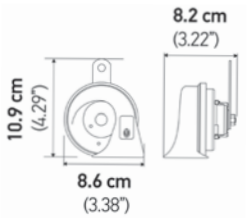
Black housing and bracket in galvanized metal.
Level of acoustic intensity at 2 m distance: 114 dB(A).
Energy consumption: 72 W
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28

310 / 380 Hz | 114 dB (A) | 12 V | 13 cm (5.11") | 72 W | ECE R28

Part Number	Quantity	Description
004811001	1 Piece	**Low Tone** **Horn 12 V, 72 W, 310 Hz - Universal** Diameter | Measurements: 13 cm | 6.1 x 14.3 cm
004811011	1 Piece	**High Tone** **Horn 12 V, 72 W, 380 Hz - Universal** Diameter | Measurements: 13 cm | 6.1 x 14.3 cm
004811021	1 Piece	**Low Tone** **Horn 24 V, 84 W, 310 Hz - Universal** Diameter | Measurements: 13 cm | 6.1 x 14.3 cm
004811031	1 Piece	**High Tone** **Horn 24 V, 84 W, 380 Hz - Universal** Diameter | Measurements: 13 cm | 6.1 x 14.3 cm

2 Pieces

2 Pieces



TC16 Series

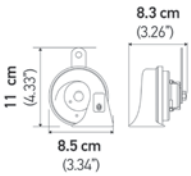
ABS plastic housing and galvanized metal bracket
Level of acoustic intensity at 2 m distance: 113 dB(A).
Energy consumption: 2 x 72 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: CCC

400 / 500 Hz | 113 dB (A) | 12 V | 8.6 cm (3.38") | 2 x 72 W | CCC

Part Number	Quantity	Description
011225831	2 Pieces	**Box (graphic)** **Trumpets 12 V, 2 x 72 W, 400 / 500 Hz - Universal** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm
012010971	2 Pieces	**Plastic blister** **Horn 12 V, 2 x 72 W, 400 / 500 Hz - Universal** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm

Product image / Dimensions	Features

2 Pieces
1 Relay



TE16 Series - Set of Twin Tone Trumpet Horns with 12 V Relay

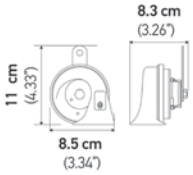
ABS plastic housing and black bracket in galvanized metal.
Level of acoustic intensity at 2 m distance: 110 dB(A).
Energy consumption: 2 x 72 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28
Includes 12 V Relay

400 / 500 Hz | 110 dB (A) | 12 V ⎓
8.2 cm (3.22") | 2 x 72 W | ECE R28

Part Number	Quantity	Description
007424801	2 Pieces	**Trumpets 12 V, 2 x 72 W, 400 / 500 Hz - Universal** Diameter | Measurements: 8.1 cm | 8 x 10.9 cm Red Horn
	1 Piece	**Includes 12 V Relay**

1 Piece

2 Pieces



TE16 Series - Set of Trumpets

ABS plastic housing and black bracket in galvanized metal.
Level of acoustic intensity at 2 m distance: 110 dB(A).
Energy consumption: 2 x 72 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28

400 / 500 Hz | 110 dB (A) | 12 V ⎓
8.2 cm (3.22") | 2 x 72 W | ECE R28

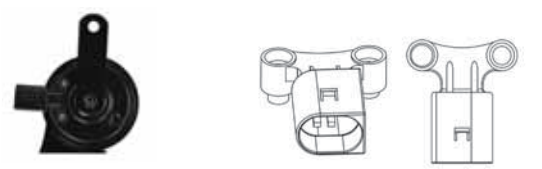
Part Number	Quantity	Description
012010801	2 Pieces	**Box (graphic)** **Trumpets 12 V, 2 x 72 W, 400 / 500 Hz - Universal** Diameter | Measurements: 8.1 cm | 8 x 10.9 cm Blue Horn
012010821	2 Pieces	**Box (graphic)** **Trumpets 12 V, 2 x 72 W, 400 / 500 Hz - Universal** Diameter | Measurements: 8.1 cm | 8 x 10.9 cm Yellow Horn
007424001	1 Piece	**Low Tone - Box (yellow)** **Horn 12 V, 1 x 72 W, 400 - Universal** Diameter | Measurements: 8.1 cm | 8 x 10.9 cm Red Horn
007424011	1 Piece	**High Tone - Box (yellow)** **Horn 12 V, 1 x 72 W, 500 - Universal** Diameter | Measurements: 8.1 cm | 8 x 10.9 cm Red Horn

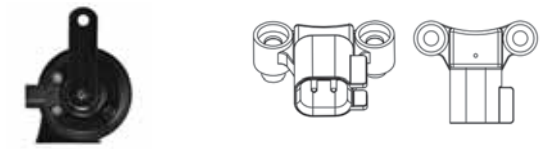
Product image / Dimensions	Features

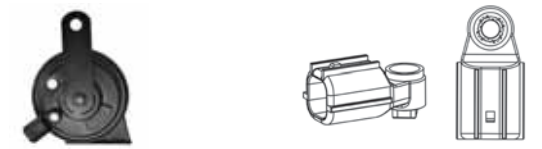
TC16S Series - OE Connector

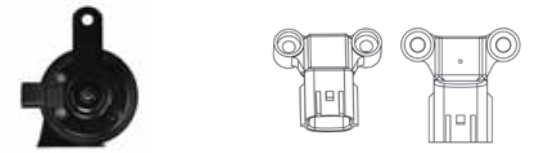
ABS plastic housing and black bracket in galvanized metal.
Level of acoustic intensity at 2 m distance: 113 dB(A).
Energy consumption: 2 x 72 W.
M8 screw horn bracket.
Operating Temperature: -40° C a 80° C (-40°F a 176°F)
With flat connections of 6.3 mm, open, blade type
Approval: ECE R28, CCC

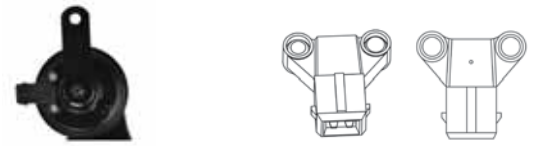
400 / 500 Hz | 113 dB (A) | 12 V⎓ | 8.6 cm (3.38") | 2 x 72 W | ECE R28 CCC



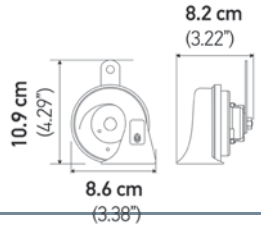








2 Pieces



Part Number	Quantity	Description
011225841	2 Pieces.	**Horns 12 V, 2 x 72 W, 400 / 500 Hz - AUDI / VOLKSWAGEN** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector
012010881	2 Pieces.	**Horns12 V, 2 x 72 W, 400 / 500 Hz - BMW / MINI** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector
011225921	2 Pieces.	**Horns 12 V, 2 x 72 W, 400 / 500 Hz - FORD** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector
012010911	2 Pieces.	**Horns 12 V, 2 x 72 W, 400 / 500 Hz - HONDA** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector
011225901	2 Pieces.	**Horns12 V, 2 x 72 W, 400 / 500 Hz - HYUNDAI / KIA** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector
012010891	2 Pieces.	**Horns12 V, 2 x 72 W, 400 / 500 Hz - PEUGEOT** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector
012010901	2 Pieces.	**Horns 12 V, 2 x 72 W, 400 / 500 Hz - TOYOTA** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector
011225851	2 Pieces.	**Horns 12 V, 2 x 72 W, 400 / 500 Hz - AUDI / VOLKSWAGEN** Diameter | Measurements: 8.6 cm | 8.6 x 10.9 cm With specific connector

Product image / Dimensions	Features

TE20C Series - Chrome

Chromed ABS plastic housing and galvanized metal bracket.
Level of acoustic intensity at 2 m distance: 112 dB(A).
Energy consumption: 2 x 60 W
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F).
With flat connections of 6.3 mm, open, blade type.

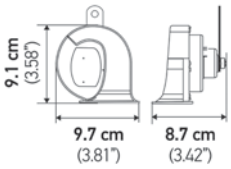
410 / 510 Hz | 112 dB (A) | 12 V | 8.6 cm (3.38") | 2 x 60 W

Part Number	Quantity	Description
007728883	2 Pieces	**Trumpets 12 V, 2 x 60 W, 410 / 510 Hz - Universal** Diameter | Measurements: 8.6 cm | 9.1 x 9.7 x 8.7 cm Chrome Horn

Special Edition

Horn chrome HELLA:
Quality to the last detail

2 Pieces



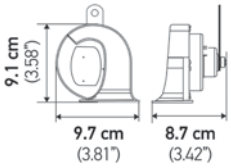
Series TE20

ABS plastic housing and galvanized metal bracket.
Level of acoustic intensity at 2 m distance: 110 dB(A)
Energy consumption: 2 x 72 W
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type

410 / 510 Hz | 110 dB (A) | 24 V | 8.6 cm (3.38") | 2 x 72 W

Part Number	Quantity	Description
940800821	2 Pieces	**Trumpets 24 V, 2 x 72 W, 410 / 510 Hz - Universal** Diameter | Measurements: 8.6 cm | 9.1 x 9.7 x 8.7 cm Black Horn

2 Pieces



New

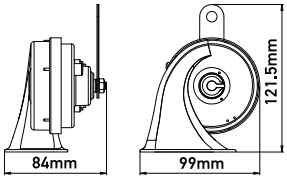
Midnight Black

ABS plastic housing and galvanized metal bracket.
Level of acoustic intensity at 2 m distance: 110 dB(A)
Energy consumption: 2 x 72 W
M8 screw horn bracket.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
With flat connections of 6.3 mm, open, blade type

490 / 410 Hz | 110 dB (A) | 12 V | 9.9 cm (3.89") | 2 x 72 W

Part Number	Quantity	Description
011225161	2 Piezas	**Trumpets 12 V, 2 x 72 W, 490 / 410 Hz - Universal** Diameter | Measurements:8.4 x 9.9 x 12.2 cm Black Horn

1 Pieza 2 Piezas



AIR TRUMPETS

Efficient sound

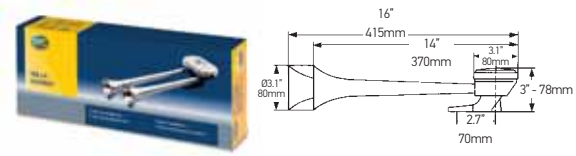
HELLA compressed air trumpets produce a penetrating and long range sound. Ideal for carriers that need to be heard in traffic.

HELLA trumpets are finished in durable materials, their sound is penetrating, and their design is striking, resistant to inclement weather

ACOUSTIC SIGNAL UNITS

COMPRESSED AIR HORNS AND TRUMPET HORNS

Product image / Dimensions	Features



Twin Compressed Air Trumpet

For vehicles with a compressed air brake system.
Chromed lid and trumpet, matt black base
Pneumatic operation
Level of acoustic intensity at 2 m distance: 118 dB(A).
Energy consumption: 0 - 20 W.
Suitable for tubular fittings Ø 8 mm.
2 holes for fixing screws M10.
Approval: ECE
Pressure Range: 4 - 8.3 bar

300 / 350 Hz | 118 dB (A) | 24 V⎓
8 cm (máx.) (3.14") | 0 - 20 W | ECE R28

Part Number	Quantity	Description
005411001	1 Piece	**Compressed air horn** **24 V, 0 -20 W, 300 - 350 Hz - Universal** Measurements: 7.8 x 16 x 41.5 cm

1

2

3

Accessories

The horn can be operated in three different ways:

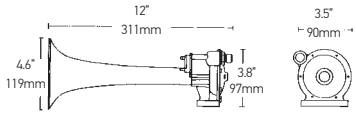
	Part Number	Quantity	Description
1	715989001	1 Set	**Mounting on the roof of the cab.** Drive pulling the pull cable coated, 120 cm long. Traction Valve.
2	715990001	1 Set	**Cabin floor mounting.** Actuation with the foot. Pedal valve.
3	715991001	1 Set	**Mounting in the engine compartment.** Drive by pressing Horn button. With flat connections of 6.3 mm, open. Power absorbed: 20W. Electric valve, 24V.

Compressed Air Trumpet

For vehicles with a compressed air brake system.
Level of acoustic intensity at 2 m distance: 118 dB (A).
Energy consumption: 35W @ 12V, 50W @ 24V.
6.3mm flat blade type terminals.
Robust diecast housing.
Suitable for tubular fitting Ø 10 mm.
Pneumatic operation, 2 holes for M10 fixing screws.
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
Approval: ECE
Pressure Range: 6 - 8.3 bar

400 Hz | 118 dB (A) | 12 V⎓ 24 V⎓
11.9 cm (máx.) (4.68") | 35 W @ 12 V 50 W @ 24 V | ECE

Part Number	Quantity	Description
004206041	1 Piece	**Trumpet 12 V, 35 W, 400 Hz - Universal** Diameter | Measurements: 11.9 cm | 9.7 x 9 x 31.1 cm
004206011	1 Piece	**Trumpet 24 V, 50 W, 400 Hz - Universal** Diameter | Measurements: 11.9 cm | 9.7 x 9 x 31.1 cm



1 Piece

Product image / Dimensions	Features

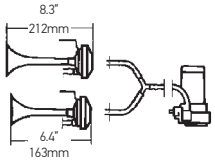
Set of Twin Tone Air Horns

Compressed air horn with ABS plastic body and support in galvanized metal
Level of acoustic intensity at 2 m distance: 118 dB(A).
Energy consumption: 240 W.
Mounting bracket included
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
Approval: ECE

780 / 840 Hz | 118 dB (A) | 12 V⎓ 24 V⎓ | 240 W | ECE

Part Number	Quantity	Description
003001651	1 Set	**2 Electric Horns - Pneumatic** **12 V, 240 W, 780 / 840 Hz - Universal** Length of Trumpets: 16.3 cm | 21.2 cm Includes compressor, pressure tubes, bifurcated Piece Fastening and Relay 12 V
003001661	1 Set	**2 Electric Trumpets - Pneumatic** **24 V, 240 W, 780 / 840 Hz - Universal** Length of Trumpets: 16.3 mm | 21.2 cm Includes compressor, pressure tubes, bifurcated Piece Fastening and Relay 24 V

1 Piece
1 Relay

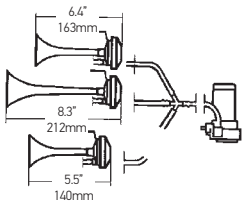


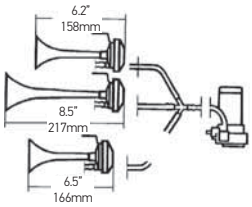
Set of Triple Tone Air Horns

Compressed air horns with ABS plastic body and support in galvanized metal
Level of acoustic intensity at 2 m distance: 118 dB(A).
Energy consumption: 240 W.
Mounting bracket included
Operating Temperature: -40° C a 90° C (-40°F a 194°F)
Approval: ECE

780 / 820 /880 Hz 630 / 795 /840 Hz | 118 dB (A) | 12 V⎓ | 240 W | ECE

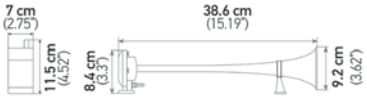
Part Number	Quantity	Description
003001671	1 Set	**3 Electric Horns - Pneumatic** **12 V, 240 W, 780 / 820 / 880 Hz - Universal** Length of Trumpets: 14 cm | 16.3 cm | 21.2 cm Includes compressor, pressure tubes, bifurcated Piece Fastening and Relay 12 V
003001981	1 Set	**3 Electric Trumpets - Pneumatic** **Melodic Sound** **12 V, 240 W, 630 / 795 / 840 Hz - Universal** Length of Trumpets: 15.8 cm | 16.6 cm | 21.7 cm Includes compressor, pressure tubes, bifurcated Piece Fastening and Relay 12 V





1 Piece
1 Relay

Product image / Dimensions	Features

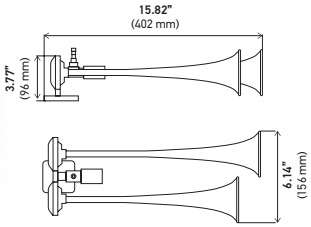


Single Tone Compressed Air Horn

Pneumatic operation
Level of acoustic intensity at 2 m distance: 115 dB(A).
Energy consumption: 312 W.
Robust housing.
With flat connections of 6.3 mm, open, blade type
2 holes for M10 fixing screws.
Pressure Range: 0.98 bar

312 W | 115 dB (A) | 12 V

Part Number	Quantity	Description
013410001	1 Set	**Air Horn using compressed air - Single tone** **12 V, 312 W - Universal** Measurements: 9.2 x 8.4 x 38.6 cm Includes compressor, pressure tubes, Fastening and Relay12 V



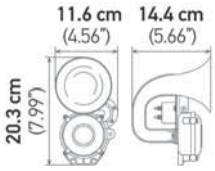
Dual Tone Compressed Air Horn

For vehicles with compressed air braking system.
Level of acoustic intensity at 2 m distance: 125 dB(A).
Robust housing.
With flat connections of 6.3 mm, open, blade type
Pressure Range: 6 - 8 bar (87 - 116 PSI)

41 W @ 12 V
77 W @ 24 V | 125 dB (A) | 12 V 24 V

Part Number	Quantity	Description
013410051	1 Piece.	**Dual tone compressed air horn - Box** **12 V, 41 W - Universal** Measurements: 40.2 x 9.6 x 15.6 cm
013410061	1 Piece.	**Dual tone compressed air horn - Box** **24 V, 77 W - Universal** Measurements: 40.2 x 9.6 x 15.6 cm
715991031	1 Set	**Replacement solenoid for air trumpet - 12 V**
715991041	1 Set	**Replacement solenoid for air trumpet - 24 V**

1 Piece



Single Tone Air Horn

For vehicles with a compressed air brake system.
Pneumatic operation
Level of acoustic intensity at 2 m distance: 115 dB(A).
Energy consumption: 120 W.
Robust Housing
Suitable for tubular fittings Ø 8 mm. 2 holes for M10 fixing screws.
Pressure Range: 5.88 bar

120 W | 115 dB (A) | 12 V 24 V

Part Number	Quantity	Description
013410011	1 Piece	**Compressed air horn - Single tone** **12 - 24 V, 120 W - Universal** Measurements: 11.6 x 14.4 x 20.3 cm

BACKUP ALARMS

Safety above all

In some countries, regulations require the installation of a reverse alarm when motor vehicles have obstructed eyesight to the rear. The vehicle must have an audible reverse alarm above the surrounding noise level. Unless, the vehicle is backed up when an observer indicates that it is safe to do so.

All bidirectional machines, such as rollers, compactors, front loaders, bulldozers and similar equipment, must be equipped with a reverse alarm, which will be differentiated from the surrounding noise level and which will be operated as necessary when the machine is in motion. The reverse alarm has to be maintained in operating conditions. Many of the regulations require a sound level greater than 90 dB.

Product image / Dimensions	Features

Backup Alarm

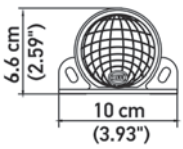
Black plastic housing.
With integrated bracket for universal mounting.
The level of sound intensity is generated by the electronics of solid bodies.
Level of acoustic intensity at 2 m distance: 110 dB (A).
Multivoltage: 9 V - 48 V
Rated Continuous Current: 0.1 - 0.6 A
Operating temperature: -40 ° C to +85 ° C.
Protection class: IP67 (Resistant to water immersions)
Approval: ECE R10 / 107 dB

Part Number	Quantity	Description
009148142	1 Piece	**Backup Alarm - Plastic blister** **Multivolt: 9 - 48 V - Universal** Protection Class: IP67K Measurements: 10.1 x 3.9 x 6.5 cm
009148141	1 Piece	**Backup Alarm - Box** **Multivolt: 9 - 48 V - Universal** Protection Class: IP67K Measurements: 10.1 x 3.9 x 6.5 cm
009148161	1 Piece	**Backup Alarm - Box - with grounding strap** NEW **Multivolt: 9 - 48 V - Universal** Protection Class: IP67K Measurements: 10.1 x 3.9 x 6.5 cm
009148221	1 Piece	**Backup Alarm - Box - with grounding strap, SAE J994 Type C, 102 dB (A)** NEW **Multivolt: 9 - 48 V - Universal** Protection Class: IP67K Measurements: 10.1 x 3.9 x 6.5 cm

1 Piece

1 Piece

Ask your sales representative about product availability in your region



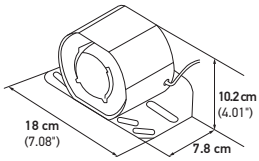
Product image / Dimensions	Features

Reverse Alarm

Black steel housing.
With integrated bracket for universal mounting.
The level of sound intensity is generated by the solid body electronics.
Approved against electromagnetic tolerance and according to SAE.
With protection against reverse polarity and voltage points.
Operating temperature: -40 ° C to +85 ° C.
60 signals per minute.
Protection class: IP5K9K, CE, SAE J994, E11.

Part Number	Quantity	Description
996139001	1 Piece	**Reverse Alarm With automatic adaptation to the environment with variable acoustic level.** The solid body electronics is automatically set to 5 dB (A) above the ambient acoustic level. With connection cable of 16 cm long Voltage: 12V - 24V. Current consumption: 0.59A - 0.71A. Acoustic level: 87-112 dB (A) (1.2 m). Frequency: 1200 Hz ± 20%.
996139101	1 Piece	**Reverse Alarm.** **With connection cable 16 cm long** Voltage: 12V - 36V. Current consumption: 0.4A. Acoustic level: 107 dB (A) (1.2 m). Frequency: 1300 Hz ± 20%.
996139111	1 Piece	**Reverse Alarm.** **With connection cable 16 cm long** Voltage: 12V - 36V. Current consumption: 0.4A. Acoustic level: 112 dB (A) (1.2 m). Frequency: 1250 Hz ± 20%.

1 Piece

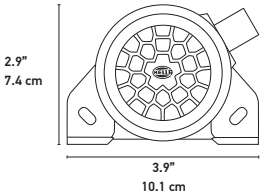


Reverse Alarm

Black plastic housing.
With integrated bracket for universal mounting.
The level of sound intensity is generated by the electronic of solid bodies.
Approved against electromagnetic tolerance and according to SAE.
With protection against reverse polarity and voltage points.
Operating temperature: -40 ° C to +85 ° C.
Frequency: 60 signals per minute; 1250 Hz ± 20% .

Part Number	Quantity	Description
009148001	1 Piece	**Reverse Alarm.** Voltage: 12V - 24V. Current consumption: 0.1A - 0.2A. Acoustic level: 90 dB (A) (1.2 m), with integrated AMP plug.
009148011	1 Piece	**Reverse Alarm.** Voltage: 12V - 24V. Current consumption: 0.3A - 0.4A. Acoustic level: 97 dB (A) (1.2 m), with integrated AMP plug.
009148021	1 Piece	**Reverse Alarm.** Voltage: 12V - 24V. Current consumption: 0.6A - 0.7A. Acoustic level: 107 dB (A) (1.2 m), with integrated AMP plug.

1 Piece



Product image / Dimensions	Features

New

Horn display

Includes power source, switches and connections
Includes the following products:
009148141 - Backup alarm
011225831 - TC16 (horn set)
012010851 - TE16 (horn set)
004811091 - S130 (horn set)
007728883 - TE20C (horn set)
004811101 - S140 (Horn set)

Part Number	Quantity	Description
358117521	1 Pieza.	Horn display

The exhibitor and its contents may change without notice.

Warning: The high level of sound produced by the speakers and / or bugles may cause discomfort and / or damage to the ears, take precautions

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