

HF 80/1



HF 80 Series



DESCRIPTION

Part number

Nominal voltage

Absorbed current (at 24V)

Fundamental frequency

Sound pressure level measured at 2 meters from the source (at 4 inches)

Type of sound

Dimensions

Homologated by CEE-ECE

N° hours of salt fog exposure

Temperature resistance in function

Endurance test

HF 80/1 340 Hz. / 430 Hz.

11510021 / 11510011

12 or 24 Volts

≤4,5 A (≤2,5 A)

340 Hz ±5% / 430 Hz ±5%

≥109 dB(A) (≥133 dB(A))

single tone

Ø 80 mm

yes

96

25°C to 80°C

50.000 on/off cycles

HF 80/2

11510001 (11510003 box)

12 or 24 Volts

≤9 A (≤5 A)

340 and 430 Hz ±5%

≥112 dB(A) (≥136 dB(A))

two harmonized tones

Ø 80 mmx2

yes

96

25°C to 80°C

50.000 on/off cycles

HF 80/2



TM 80/2



TM 80 Series



DESCRIPTION

Part number

Nominal voltage

Absorbed current (at 24V)

Fundamental frequency

Sound pressure level measured at 2 meters from the source (at 4 inches)

Type of sound

Dimensions

Electromagnetic compatibility

Homologated by CEE-ECE

N° hours of salt fog exposure

Temperature resistance in function

Endurance test

TM 80/1 high/low tone

11451122 / 11451222

12 or 24 Volts

≤5,5 A (≤2,8 A)

500/410 Hz ±5%

≥109 dB(A) a 13 Volt
(≥133 dB(A) a 13 Volt)

single tone

Ø 82 mm

yes

yes

96

25°C to 80°C

50.000 on/off cycles

TM 80/2

11452124

12 or 24 Volts

≤11 A (≤5,6 A)

500 and 410 Hz ±5%

≥112 dB(A) a 13 Volt
(≥136 dB(A) a 13 Volt)

two harmonized tones

Ø 82 mmx2

yes

yes

96

25°C to 80°C

50.000 on/off cycles

• metallic plastic caps (chromed look).

• metallic plastic trumpet units and caps (chromed look).



TM 80/2 Magnum -11452139



TM 80/2 Chromed Magnum - 11452158

TM 80 Magnum Series



+3dB(A)

DESCRIPTION

Part number

Nominal voltage

Absorbed current (at 24V)

Fundamental frequency

Sound pressure level measured at 2 meters from the source (at 4 inches)

Type of sound

Dimensions

Trumpet material

Electromagnetic compatibility

Homologated by CEE-ECE

Patented internationally

N° hours of salt fog exposure

Temperature resistance in function

Endurance test

TM 80/1 Magnum high tone / low tone

11451127 / 11451128

12 or 24 Vd ts

≤6 A (≤3 A)

500 Hz ±5% / 410 Hz

≥112 dB(A) (≥136 dB(A))

single tone

Ø 80 mm

ABS or metallic ABS (chromed look)

yes

yes

yes

96

25°C to 80°C

50.000 on/off cycles

TM 80/2 Magnum

11452139 / 11452158

12 or 24 Volts

≤12 A (≤6 A)

500 and 410 Hz ±5%

≥115 dB(A) (≥139 dB(A))

two harmonized tones

Ø 80 mmx2

yes

yes

96

25°C to 80°C

50.000 on/off cycles

• metallic plastic trumpet units

NAUTILUS RED
"URBAN COOL SOUND"
11690003



NAUTILUS™ COMPACT
"ROUGH AND TOUGH SOUND"
11690019



Nautilus Series



...the return to a classic sound with modern technology...

BLACK
11690001

CHROMED*
11690006

COMPACT RED
11690047

COMPACT CHROMED*
11690039

DESCRIPTION

NAUTILUS/NAUTILUS COMPACT / TUNING

Nominal voltage	12 or 24 Volts
Absorbed current (at 24V)	≤18 A (≤9 A)
Fundamental frequency	530 and 680 Hz ±5%
Sound pressure level measured at 2 meters from the source (at 4 inches)	≥115 dB(A) (≥139 dB(A))
Type of sound	harmonized twin tone
Electromagnetic compatibility	yes
Homologated by CEE-ECE	yes
Patented internationally	yes
Dimensions	150x112x95 mm (125x112x78 mm compact)
N° hours of salt fog exposure	96
Temperature resistance in function	25°C to 80°C
Endurance test	50,000 on/off cycles
Sound reaction time	~ 90 msec.

* metallic plastic trumpet unit

GP Series



GP2



DESCRIPTION

GP2 / GPA2

GP3 / GPA3

Part number	11012121 / 11012164	11013121 / 11630021
Nominal voltage	12 or 24 Volts	12 or 24 Volts
Absorbed current (at 24V)	≤16 A (≤8 A)	≤16 A (≤8 A)
Fundamental frequency	630 and 795 Hz ±5%	630, 795 and 840 Hz ±5%
Sound pressure level (measured at 2 meters from the source)	≥115 dB(A)	≥115 dB(A)
Type of sound	two harmonized tones	three harmonized tones
Electromagnetic compatibility	yes	yes
Homologated by CEE-ECE	yes	yes
N° hours of salt fog exposure	96	96
Temperature resistance in function	25°C to 80°C	25°C to 80°C
Endurance test	50,000 on/off cycles	50,000 on/off cycles
Sound reaction time	~ 120 msec.	~ 120 msec.

KP Series SOS

and Relays



1010016



2005011 relay 12 volt 30 A

DESCRIPTION

KP 1

Part number

11101222

Fundamental frequency

520 Hz ±5%

Sound pressure level (measured at 2 meters from the source)

≥111 dB(A)

Type of sound

single tone

Type of gas used

134 A pure - non flammable - approved by Montreal protocol

Actual weight in ml of bottle content

300 ml / approx 6 minutes of sound power

to insure "conformity" of the content, all Stebel® bottles clearly state the name of the producer

VM 2 •

Medium/Heavy Series



TM2 •

AM 2 •

DESCRIPTION
Part number

Nominal voltage

Absorbed current (at 24V)

Fundamental frequency

Sound pressure level (measured at 2 meters from the source)

Type of sound

Nominal pressure

Electromagnetic compatibility**Homologated**

N° hours of salt fog exposure

Temperature resistance in function

Endurance test

TM2

11290008

VM 2

11290003

AM 2

11290009

12 or 24 Volts

12 or 24 Volts

≤18 A (≤9 A)

≤18 A (≤9 A)

392/435 Hz ±5%

349/440 Hz ±5%

≥118 dB(A)

≥115 dB(A)

two harmonized tones

two harmonized tones

5 bar to 12 bar

two alternating tones

yes

CEE /ECE

“DGM” Italy

400 hours

400 hours

25°C to 80°C

25°C to 80°C

50.000 on/off cycles

50.000 on/off cycles

• trumpet units in black ABS and chambers in black ABS, stainless steel membrane

• trumpet units in chromed ABS and chambers in black ABS, stainless steel membrane

JUM2 •



Heavy Duty Series


DESCRIPTION
Part number
TM2 L

11290014

JUM2 / JUM2 TWIN

152703 / 11290019

NAUTILUS TRUCK

11690058

Sound pressure level (measured at 2 meters from the source)

≥117 dB(A)

≥117 dB(A)

≥110 dB(A)

Type of sound

two harmonized tones

two harmonized tones

single low tone

Nominal pressure

≥5 bar ≤12 bar

≥5 bar ≤12 bar

300 Hz ±5%

Fundamental frequency

230 and 275 Hz ±5%

185±5% and 200±5%

400 hours

N° hours of salt fog exposure

400 hours

400 hours

25°C to 80°C

Temperature resistance in function

25°C to 80°C

50.000 on/off cycles

~ 90 msec.

Endurance test

Endurance test

Endurance test

~ 90 msec.

Patented internationally**Patented internationally****Patented internationally****Patented internationally****Electromagnetic compatibility****Electromagnetic compatibility****Electromagnetic compatibility****Electromagnetic compatibility**

Dimensions

535 mm

650 mm

140x100x112h

• trumpet units in stainless polished steel and chambers in chromed zamak alloy, stainless steel membrane

• trumpet units in chromed brass, stainless steel membrane

JUM2 TWIN •



NM 2 •



Nautical Series


DESCRIPTION
Part number
NM 2

11290015

Nominal voltage

12 or 24 Volts

Absorbed current (at 24V)

≤18 A (≤9 A)

Fundamental frequency

275 and 310 Hz ±5%

Sound pressure level (measured at 1 meter from the source)

≥112 dB(A) a 13 Volts

Type of sound

two harmonized tones

Electromagnetic compatibility

yes

N° hours of salt fog exposure

400 hours

the return to a classic sound with modern technology



NAUTILUS™ COMPACT TUNING •
MARINE “WATER TIGHT”
11690062

• trumpet units in chromed brass, membrane in stainless steel

• white marine style hi grade ABS cover cap + water tight rubber connection protector
for other technical data look Nautilus Compact

• Technical data look VM



FM1

DESCRIPTION	PRM V2 - IPG	PRM V2 - IAP	PRM V2	FM1
Part number	11212323	11222323	11232323	11710001
Nominal voltage	12 or 24 Volts	12 or 24 Volts	12 or 24 Volts	12 or 24 Volts
Absorbed current (at 24V)	≤15 A (≤7,5 A)	≤15 A (≤7,5 A)	≤15 A (≤7,5 A)	≤18 A (≤9 A)
Fundamental frequency	466 and 622 Hz ±5%	392 and 660 Hz ±5%	435 and 488 Hz ±5%	600 Hz ±5%
Sound pressure level (measured at 2 meters from the source)	≥115 dB(A)	≥115 dB(A)	≥115 dB(A)	≥118 dB(A)
Type of sound	two alternating tones	two alternating tones	two alternating tones	single tone
Electromagnetic compatibility	yes	yes	yes	yes
Trumpet material	ABS	ABS	ABS	ABS
Patented	yes *	yes*	yes*	
Homologated	"DGM" Italy	"DGM" Italy	"DGM" Italy	CEE/ECE
Duration of continuous use	1 hour	1 hour	1 hour	

* Compressor is self-cooling thanks to a patented fan system which allows the horns to function continuously and features a self lubricating system with an incorporated oil tank.

BP3



BP Series



BPA 3*



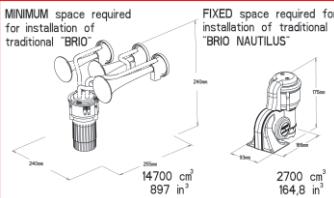
BP3



NAUTILUS™ BRIO

DESCRIPTION

Part number	NAUTILUS BRIO	BP3 / BPA3*
Nominal voltage	12 or 24 Volts	12 or 24 Volts
Absorbed current (at 24V)	≤18 A (≤9 A)	≤18 A (≤9 A)
Fundamental frequency	530 and 700 Hz ±5%	630, 795 and 840 Hz ±5%
Sound pressure level (measured at 2 meters from the source)	≥115 dB(A)	≥115 dB(A)
Type of sound	two alternating or harmonized tones	three alternating or harmonized tones
Electromagnetic Compatibility	yes	yes
Patented internationally	yes	yes
N° hours of salt fog exposure	96	96
Temperature resistance in function	25°C to 80°C	25°C to 80°C
Endurance test	50.000 on/off cycles	50.000 on/off cycles
Sound reaction time	~ 90 msec.	~ 120 msec.



- metallic plastic trumpet units (chromed look).

... the return to a classic sound with modern technology...



- "LA DOLCE VITA" type sound
- "BP3" type sound

MP5



Musical Series



MPA5*



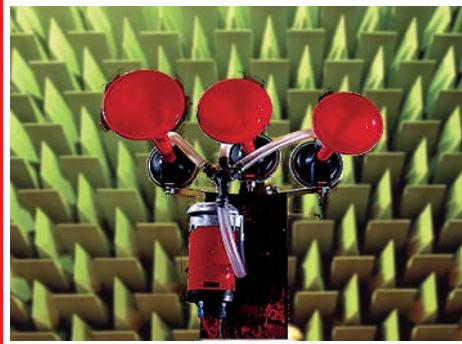
MP box

PLASTIC TRUMPETS

MP2 / FP	France Police*	MP5 / EP	Les Enfants du Pirée*
MP3 / CA	Carica / The Cavalry charge*	MP5 / RK	River Kwai*
MP3 / CB	Cumbanchero	MP5 / SM	O sole mio*
MP4 / CP	Call to the post*	MP5 / SS	Susanna*
MP4 / JB	Jingle Bells*	MP5 / PF	Perfidia
MP4 / MN	Marcia Nuziale / Wedding March*	MP6 / IP	Il Padrino / The godfather*
MP4 / SN	Strangers in the night*	MP6 / SP	Sous les ponts de Paris*
MP4 / TQ	Tequila	MP6 / ST	In the summer time*
MP5 / CC	Cucaracha*	MP6 / AL	Alma Ilanera*
MP5 / DX	Dixie*		

* available also with metallic plastic trumpet units

ATTENTION! Part numbers indicated refer to 12 volt version only, and to heavy duty series without valves.



The Stebel Company was founded in 1955 by Leonardo Beltrame. Stebel engineers and produces exclusively signal horns.

This absolute specialization guarantees a deeper knowledge of market requirements. It has unequalled experience constantly reinforced by new technologies and innovative projects.

A Certified Company System insures top quality at all levels.

For over 50 years we have made every effort to offer our customers beautiful, innovative, easy to install, long-lasting and reliable products. We strive to guarantee high performance on every single product.



A design tuned with your needs. Motorcycles, cars, heavy-duty vehicles, and sea vessels: maximum design flexibility to harmonize each product with your specific requirement. A rich heritage of research and a high level of professionalism enable our technical experts to envision new projects and execute them accurately with the support of cutting edge computer technology.

The experimental laboratory: quality of the highest tone. A climate simulation chamber and well-equipped lab insure the high quality of each single horn unit from its origin.



Testing allows for product and component verification down to the smallest detail in order to respect homologation standards issued by government legislation and the automotive manufacturers themselves. Production and verification tests: a sweet harmony. Fully automated production systems hand in hand with rigorous testing: a perfect combination used to offer product reliability, resistance, and safety according to standards, which are both objective and reproducible.

WHY CHOOSE A STEBEL HORN

Are you thinking about mounting an external horn and think that therefore it must have a beautiful design and well refined details?

Do you think that besides "being loud", a horn should have a pleasant sound pitch?

Do you want to choose a horn better suited for the use you want to make of it, and count on a modern product in line with the times?

Do you want to make sure that the product you buy respects norms and regulations?

Do you want to avoid being disappointed with the technical characteristics declared by the manufacturer and be forced to substitute the product which you just recently purchased?

Do you want to count on a sure warranty policy of the product you buy and/or be guided with the most correct mode of installation of the product you have decided to purchase?

Do you think a horn should withstand extreme weather conditions and use and therefore never leave you in silence?

Do you believe that a horn is also a safety instrument engineered to help prevent accidents?

Since 1955 Stebel designs and produces only horns to please anyone who has these requirements.

TRULY ITALIAN PERFECTION

BEWARE OF IMITATIONS

To receive further technical information (Electrical connection scheme and installation tips, Product warranty terms, Packaging measurements, Hi-fidelity sound recordings product description text news, Trade-fair participation, company description etc) and more detailed images of the products, visit our website: www.stebel.it

Important Notice: We strongly advise the consumer to follow in detail the suggestions and requirements of installation in order to insure the correct function and performance of the product.

The illustrations and descriptions on this information sheet are for indicative purposes only. At any moment and without warning, Stebel reserves the right to replace or modify the models hereby shown in order to improve quality or meet particular production/commercial requirements. We kindly ask our customers to indicate the precise Stebel product code when placing orders.

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