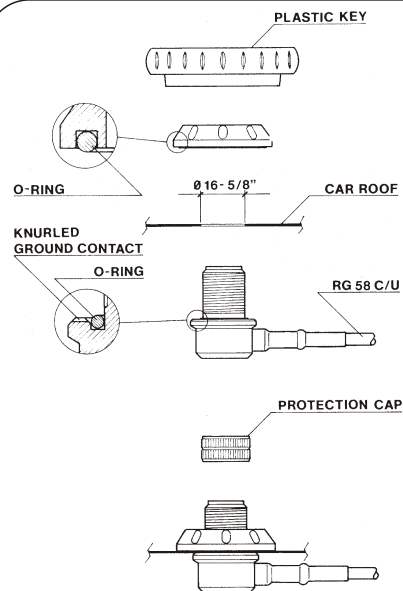


ALTERNATIVE MOUNT TYPE



HP-AC/U angular connector:

Frequency Range: from DC to 500 MHz

Overall Size: Ø 41 mm

Mounting Hole: Ø 16 mm

Materials: Brass nichel plated, PTFE insulator,

Gold plated pin

Cable: 5m RG 58 C/U MIL-C-17F / FME-female

Adaptor: FME-male/ UHF-male (PL259)

Antenna connection: UHF-female

P/N 2510805.00 HP-AC/U



HP MAG H 12 PL:

Frequency Range: from DC to 500 MHz

Overall Size: Ø 92 mm

Materials: Ferrite magnet, Chromed Brass, Nylon,

PTFE insulator, Gold plated pin

Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female

Adaptor: FME-male / UHF-male (PL259)

Antenna connection: UHF-female

P/N 2511802.05 HP MAG H 12 PL



HP MAG 125 PL:

Frequency Range: from DC to 500 MHz

Overall Size: Ø 127 mm

Materials: Ferrite magnet, Chromed Brass, Nylon,

PTFE insulator, Gold plated pin

Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female

Adaptor: FME-male / UHF-male (PL259)

Antenna connection: UHF-female

P/N 2511202.05 HP MAG 125 PL

HP 2000

HP 2000 C

VHF 2m Radioless Mobile Antennas



HP 2000



HP 2000 C

Installation Manual



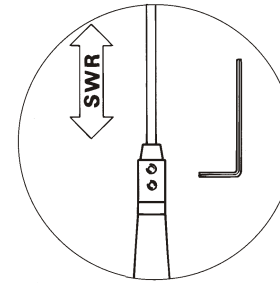
HI-QUALITY ANTENNAS MADE IN ITALY

DESCRIPTION

VHF radialless vehicular antenna working on 2m band. The very best materials have been used to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, has an inclination system that allows the 90° tilting without using keys or tools. Also a particular attention has been paid to the UHF-male connector with a goldplated center pin, PTFE insulator and silicone rubber gasket for a perfect waterproofing.

SPECIFICATIONS

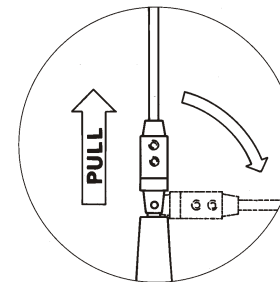
Electrical Data	HP 2000	HP 2000 C
Type	1/2 λ	C-Loaded
Frequency Range	142 - 149 MHz @ SWR $\leq$ 2	137 - 157 MHz @ SWR $\leq$ 2
Impedance	50 Ω	
Radiation (H-plane)	360° Omnidirectional	
Polarization	Linear Vertical	
Gain	1.5 dB ref. to $\lambda/4$ whip	2 dB ref. to $\lambda/4$ whip
Max Power (CW) @30°C	150 Watts	
Grounding Protection	All metal parts are DC-grounded, inner conductor is coupled capacitively	
Connector	UHF-male (PL 259)	
Mechanical Data		
Materials	Stainless steel 17/7 PH, Nylon, Chromed Brass	
Height (approx.)	1060 mm	1410 mm
Weight (approx.)	320 gr	



ADJUSTMENT

ADJUSTMENT: all SIRIO HP Antennas are factory adjusted and no additional tuning is usually required. However, if the center frequency needs to be changed, please follow these simple directions:

1. Release the allen-screws on the whip using the supplied key
2. Move the whip in or out as needed to obtain a low SWR at your preferred frequency rang.
3. After tuning, re-tighten the allen-screws to lock the whip.

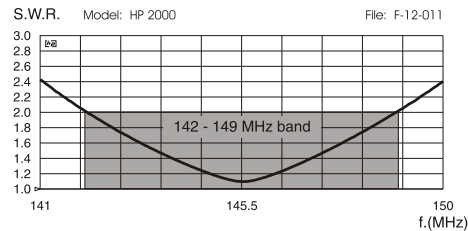


TILTING

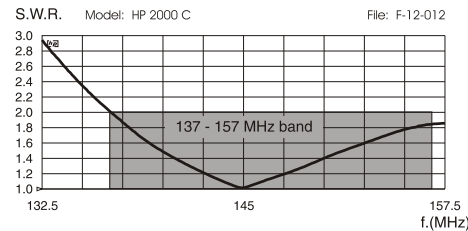
TILTING: all SIRIO HP Antennas have an inclination system that allows the 90° tilting without use keys or special tools.



TYPICAL S.W.R. RESPONSE

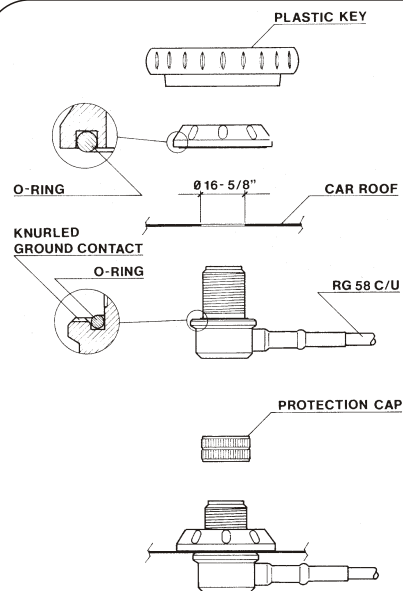


TYPICAL S.W.R. RESPONSE



HI-QUALITY ANTENNAS MADE IN ITALY

ALTERNATIVE MOUNT TYPE



HP-AC/U angular connector:

Frequency Range: from DC to 500 MHz

Overall Size: Ø 41 mm

Mounting Hole: Ø 16 mm

Materials: Brass nichel plated, PTFE insulator,

Gold plated pin

Cable: 5m RG 58 C/U MIL-C-17F / FME-female

Adaptor: FME-male/ UHF-male (PL259)

Antenna connection: UHF-female

P/N 2510805.00 HP-AC/U



HP MAG H 12 PL:

Frequency Range: from DC to 500 MHz

Overall Size: Ø 92 mm

Materials: Ferrite magnet, Chromed Brass, Nylon,

PTFE insulator, Gold plated pin

Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female

Adaptor: FME-male / UHF-male (PL259)

Antenna connection: UHF-female

P/N 2511802.05 HP MAG H 12 PL



HP MAG 125 PL:

Frequency Range: from DC to 500 MHz

Overall Size: Ø 127 mm

Materials: Ferrite magnet, Chromed Brass, Nylon,

PTFE insulator, Gold plated pin

Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female

Adaptor: FME-male / UHF-male (PL259)

Antenna connection: UHF-female

P/N 2511202.05 HP MAG 125 PL



HI-QUALITY ANTENNAS MADE IN ITALY

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HP 140-175

VHF Mobile Antenna 140-175 MHz



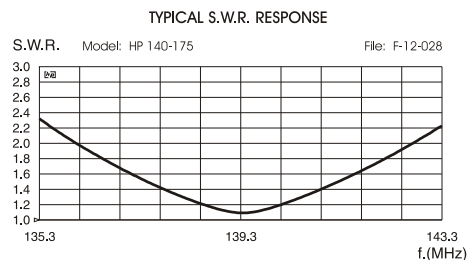
Installation Manual

DESCRIPTION

VHF vehicular antenna working on 139.3-175 MHz by means of the enclosed cutting diagram. It is made with the very best materials to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, is very flexible and incorporate a custom inclination system that allows it to be tilted to 90° without using keys or tools. Also a particular attention has been paid to the UHF-male antenna connector with a goldplated center pin, a PTFE insulator and a silicone rubber gasket for a perfect waterproofing.

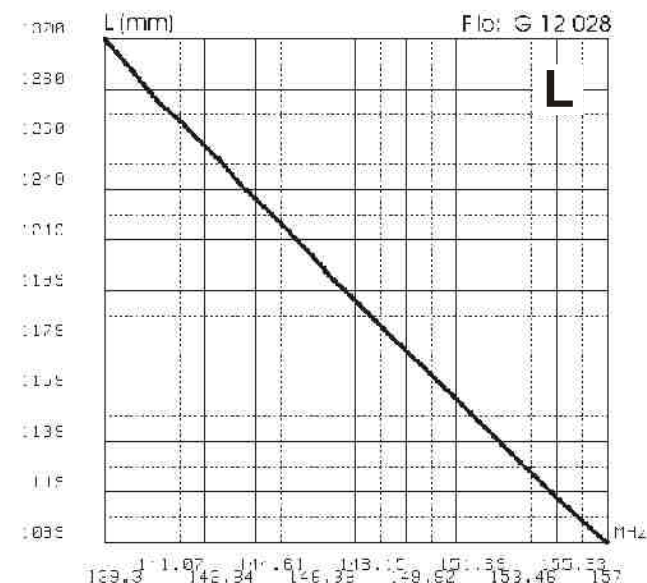
SPECIFICATIONS

Electrical Data	HP 140-175
Type	5/8 λ
Frequency Range	tunable from 139.3 to 175 MHz
Impedance	50 Ω
Radiation (H-plane)	360° Omnidirectional
Polarization	Linear Vertical
Gain	1.5 dB ref. to $\lambda/4$ whip
SWR @ res. freq.	≤ 1.2 @ 139.3 MHz
Bandwidth @ SWR ≤ 2	≥ 6.6 MHz @ 139.3 MHz
Max Power (CW) @30°C	150 Watts
Grounding Protection	All metal parts are DC-grounded, inner conductor is coupled capacitively
Connector	UHF-male (PL 259)
Mechanical Data	
Materials	Stainless steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	1435 mm
Weight (approx.)	320 gr

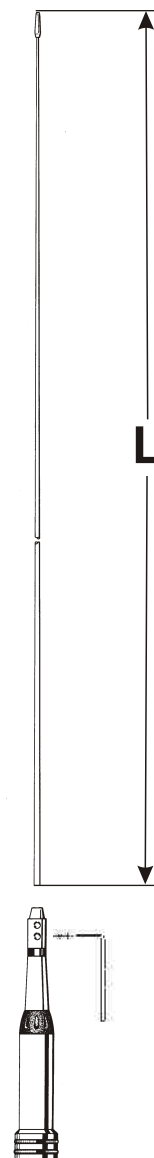
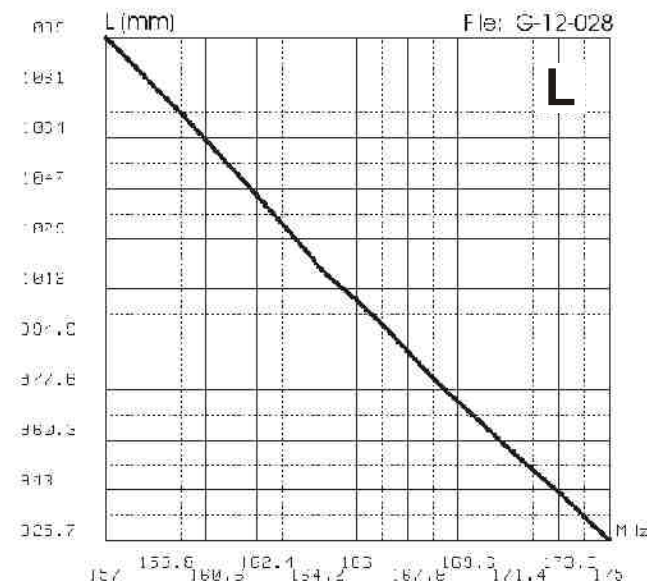


TUNING INSTRUCTIONS

TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY



NOTE:

- Use the curves just as a guide. For fine-tuning please use an SWR-Meter.