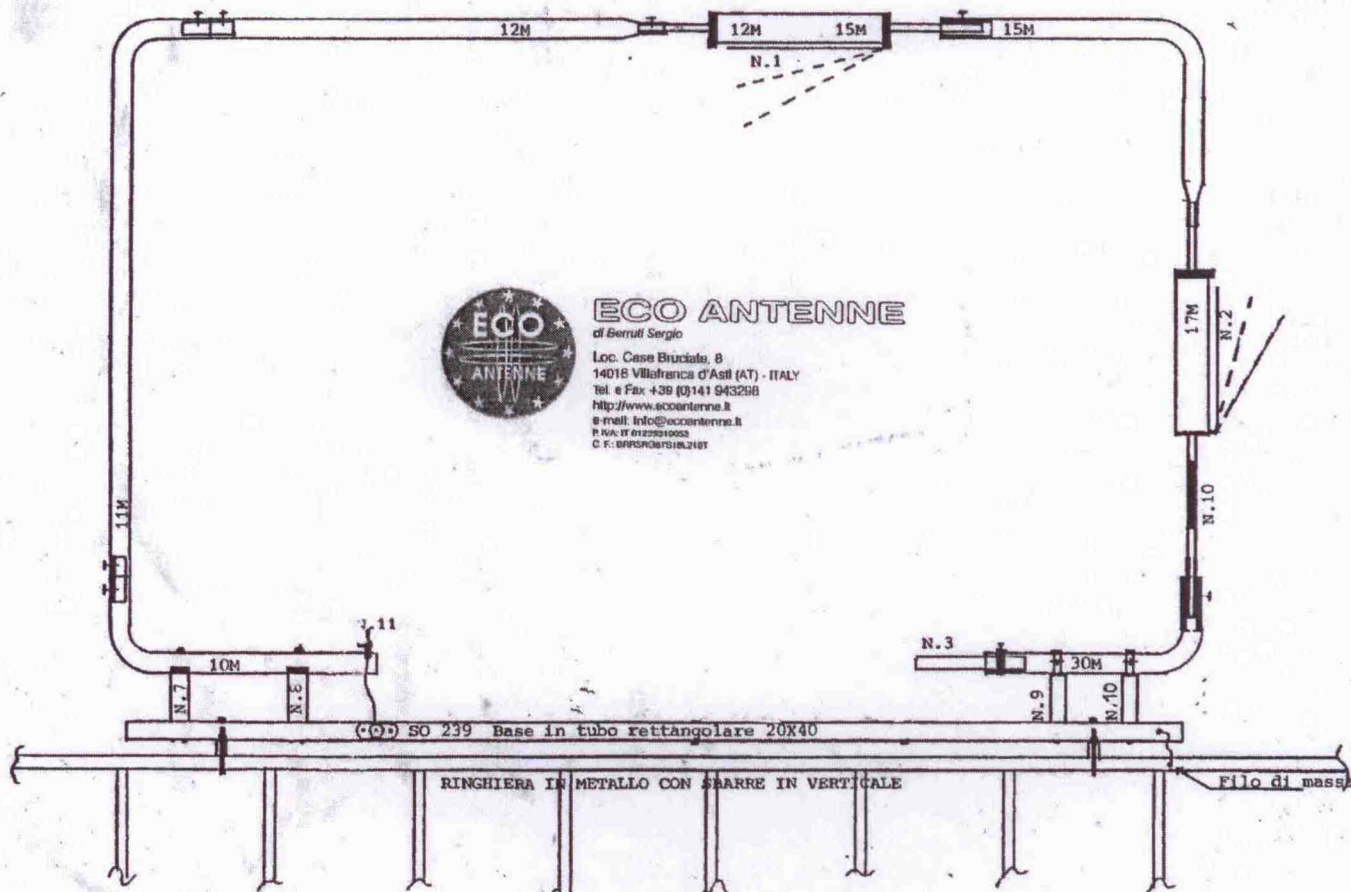


BALCONE ANTENNA 10 - 15 - 20 - 40 M.





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ART. 73

n. 2

1. Screw on the plastic housings marked with the numbers 7 and 8 (that are already assembled on the basis in a rectangular pipe 20 x 40 mm.) the mm. 19 long pipe marked with the label 10M, using 2 available 5 x 30 parker screws.
2. Join the pipe 11M, using an interior 16 mm. diameter x 10 cm long joint, using 2 equipped parker screws.
3. On the basis insulators n° 9 and 10 screw the pipe marked 30M, using 2 available parker screws.
4. Assembly on the pipe 30M the trap 17M (take care that the coil, detail n° 10, is installed downwards), using 1 available 4,2 x 9,5 parker screw.
5. Assembly on the trap marked with the label 17 M the pipe 15M, using 1 available 4,2 x 9,5 parker screw.
6. Assembly on the pipe marked as 11M the pipe 12M, using a 16 mm. diameter x 10 cm. long interior joint and 2 available 4,2 x 9,5 parker screws.
7. Connect both the pipes 12M and 15M with the trap 12 and 15M, using 2 available 4,2 x 9,5 parker screws (take care the piece marked with the 15M label is turned to the 15M pipe).
8. Insert for approximately 7,5 cm. into the free extremity of the 30M pipe, the 16 mm. of diameter x 19 cm. long pipe, fixing by pressure with the aluminium band, using 1 5 x 15 screw and the nut (as by detail n° 3 on the drawing).
9. Connect the SO239 wire to the 4 x 20 brass screw (detail n° 11).
10. Fix the antenna on the balcony railing and connect the ground conductivity.

CALIBRATION

1. For 15 meters, to lower the band centre pull down the copper stub n° 1 (more you raise the stub from the trap more the frequency lowers).
2. For 20 meters, to lower the band centre adjust the copper stub n° 2.
3. For 40 meters, to tune up the band centre adjust the aluminium stub n° 3.

Since the plan reflecting is constituted by the balcony railing, it is very important the ground is perfect and as larger is possible.

10-15-20-40 M. BALCONY TRAPPED ANTENNA

If the floor ground was insufficient and the calibration on certain frequencies was impossible, increase the plane reflecting with electric wires set both in horizontal line and in vertical line downwards.

If this antenna is correctly installed, can produce very good performances, although his minimum dimensions.

With antenna in vertical position polarization will be horizontal. With antenna in horizontal position polarization will come vertical.

S.W.R. 10 M	1:1,3
S.W.R. 15 M	1:1,3
S.W.R. 20 M	1:1,1
S.W.R. 40 M	1:1,1
IMPEDENZA	50 Ohm
FREQUENZA	7-14-21-28 MHz
DIMENSIONI	170 X 120 CM.
POLARIZZAZIONE	VERT. O ORIZZ.
FISSAGGIO	A RINGHIERA
SISTEMA	TRAPPOLATO
POTENZA	500 W
PESO	4,5 Kg.



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