



## NAVIGATION AIDS SYSTEM EQUIPMENT RBM 50 RADIO BEACON

This equipment is normally installed in the platforms equipped with heliport. It has the aim to signal to the helicopter the position of the platform, to facilitate the flights in the night or low visibility period.

In order to get a high reliability, the equipment is complete with two final radiofrequency stages, the main and the reserve one. The switchover of the main stage to the reserve one takes place automatically.

The front panel is equipped with tactile command push buttons that are used for the following programming:

- Carrier frequency
- Morse code characteristic
- Interval time between the characteristics
- Morse point time
- Transmission type (A0 - A1 - A2 - A0/A2)



IALA RULES



This equipment is complete with local and remote controls for working status and alarms. These information are shown through luminous signalings placed in the front panel. The connection for power supply, the connection for R.F. output, the remote controls, and the interface RS232C for the diagnostic system, are available in the rear panel. Considering its mechanical construction, this unit can be installed in a standard cabinet 19" or on a table, in a protected room. The radio beacon system is complete with antenna tuner type **SICE RBA**. Some insulating poles type **SICE A3** can be used in the plants where is foreseen the stretching of antenna wire, especially in the perimeters of the heliport. The RBM 50, with antenna tuner RBA, also tunes in radiobeacon antenna ("COMROD" ASR1 type).

### ELECTRIC CHARACTERISTICS:

Carrier frequency field	230 - 535 Khz (on request) 283.5-315 khZ Region 1; 285-325 Khz Regions 2 and 3
Emission type	A0 - A1 - A2 - A0/A2
Output power	50 W + 50 W (reserve with automatic switchover)
Harmonic distortion	5% a 50 W
Non essential spurious emissions on the affected spectrum	>50dB su f0
Ros protection 1/3	Total opening
Work	Continuous
Output impedance	50 ohm
Steadiness frequency	< +/- 50 ppm total
Modulation frequency	400 Hz. or 1020 Hz.
Generated code	From 1 to 4 alphanumeric codes
Power supply	170/264 VAC (DC on request)
Frequency	47 / 440 Hz

### MECHANICAL CHARACTERISTICS:

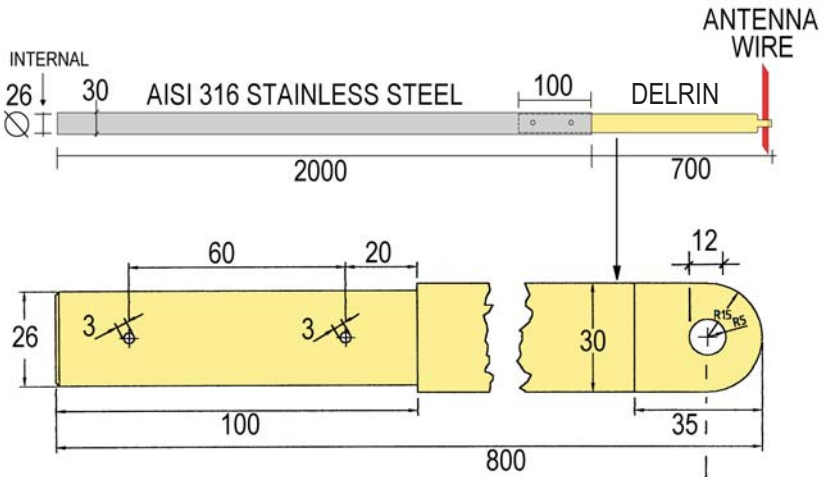
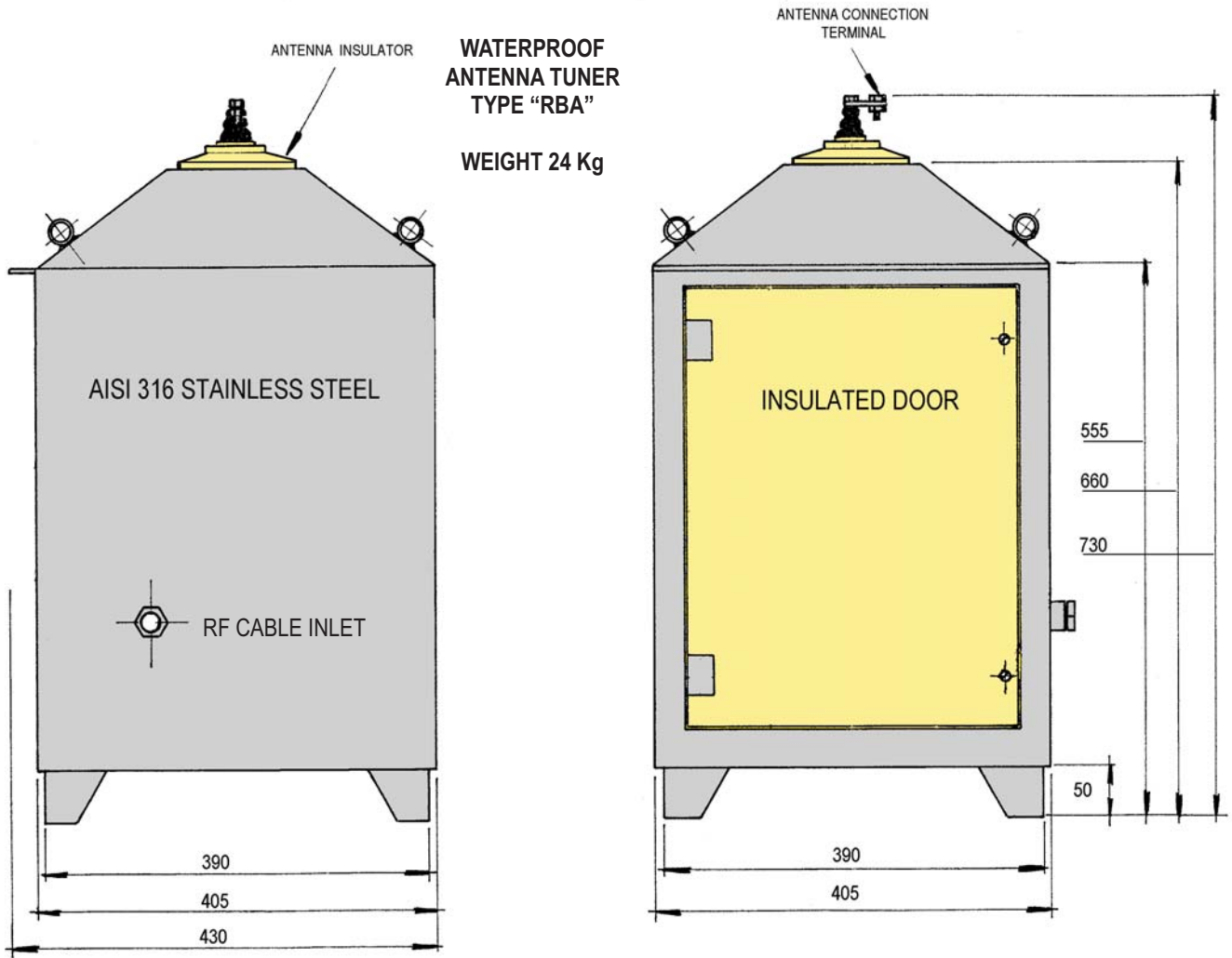
Dimensions	Rack 19" 3HE
Depth	325 mm.
Weight	12 Kg.

### CERTIFICATIONS

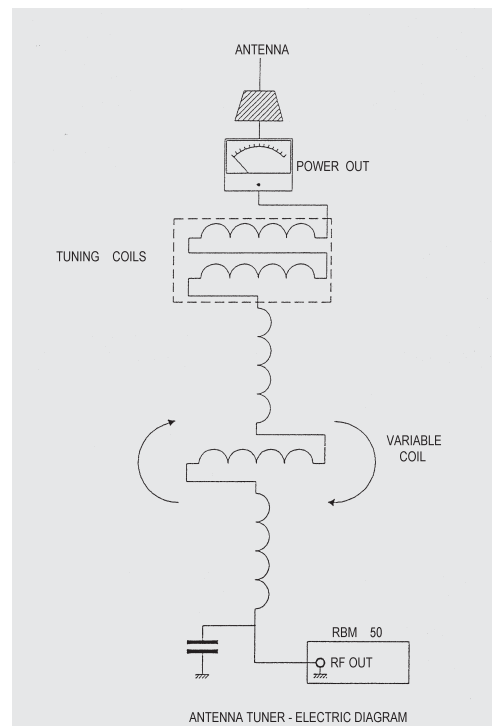
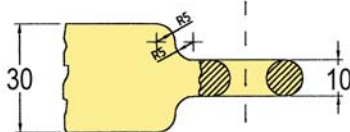
Ministry of Economic Development certificate	ON/R&TTE/2009/01
Test reports	Electric Safety and Electromagnetic Compatibility
CE Declaration	

SICE Pesaro (ITALY)

# NAVIGATION AIDS SYSTEM EQUIPMENT RBM 50 RADIO BEACON



SICE "A3" INSULATING POLE  
 OPTIONAL PART  
 SUITABLE FOR ANTENNA  
 WIRE IN THE HELIPORT  
 PERIMETER



SICE Pesaro (ITALY)