

**TRANSPORTABLE
50W MW NDB
OPERATIONAL USE**



*RBT9300MS NDB during belgian army operation
on BRASSCHAAT site*

The RBT9300MS transportable MW beacon has been designed to meet the requirements of temporary and rapid installation (20 minutes), as an aid during the approach and landing of helicopters on all types of grounds.

The MW beacon is installed in a waterproof cabinet placed directly on the ground, connected to a waterproof automatic antenna tuning device cabinet.



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Flat or horizontal ground should preferably be chosen which is relatively clear and which allows the ground plane to be deployed. The latter requires a circle of minimum radius 20m and maximum radius 40m. Conductors are to be arranged every 60 degrees inside the perimeter of the antenna.

Ensure that the ground supporting the RBT9300MS and DAA9400MF cabinets is horizontal.

The antenna, which is fixed to the DAA9400MF cabinet, has a total height of 8m. Two persons are required for assembly.

The RBT9300MS unit can be installed far away from the DAA9400MF cabinet if the power cable and the RF coaxial cable are extended (100m maximum).





FLIGHT LEVEL	PROPAGATION	REMARKS
± 1000 FEET AGL*	39 NM	Helicopter approach inbound
Low level	34 NM	All directions test
± 1000 FEET AGL*	49 NM	Helicopter distance outbound

* AGL: Above Ground Level



ADF on board receiver:
the needle indicates the
NDB direction on ground.



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*Military vehicle
230V~ or 24V=
energy supplier*

This installation ensures a 40 NM guidance
for a low altitude helicopter flight.



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