



## HIGH-VISIBILITY POLYETHYLENE BUOYS

# RBM-HV 22/30



RBM-HV 22/30 buoys are characterised by their high-visibility superstructure. They are indicated to be deployed in places where their day mark has to be recognised from a long distance, such as landfall buoys.

The float is made from high-quality rotomoulded virgin polyethylene. Depending on float diameter and volume, floats are made up of several sections. Polyethylene includes the necessary pigment that provides the colour. UV filters guarantee a stable colour protection during its whole service life. To ensure its buoyancy, the float is filled with closed-cell expanded polyurethane foam.

The high-visibility superstructure is made from marine aluminium, providing a long service life in the harshest marine conditions. They can be customized under client's request.

## FEATURES

- ✓ Float divided into 2 or 4 sections, made from rotomoulded virgin polyethylene, 15mm thickness. Lateral reinforcements included in order to increase buoy resistance.
- ✓ Float filled with closed-cell expanded polyurethane foam inside, in order to avoid water absorption.
- ✓ Detachable ballast weights to be installed in different depths and different chain sizes.
- ✓ Marine-aluminium superstructure with capacity to hold up to 200 Ah batteries and up to 6 nos. solar modules of 75W.
- ✓ Colour impregnated in the polyethylene. Chromaticity according to IALA recommendations.
- ✓ Wide top platform for maintenance works.
- ✓ Compatible with a large variety of self-contained and marine LED lanterns.
- ✓ Passive radar reflector of 10 m<sup>2</sup> RCS.
- ✓ Minimum maintenance.
- ✓ Designed according to IALA Recommendations.

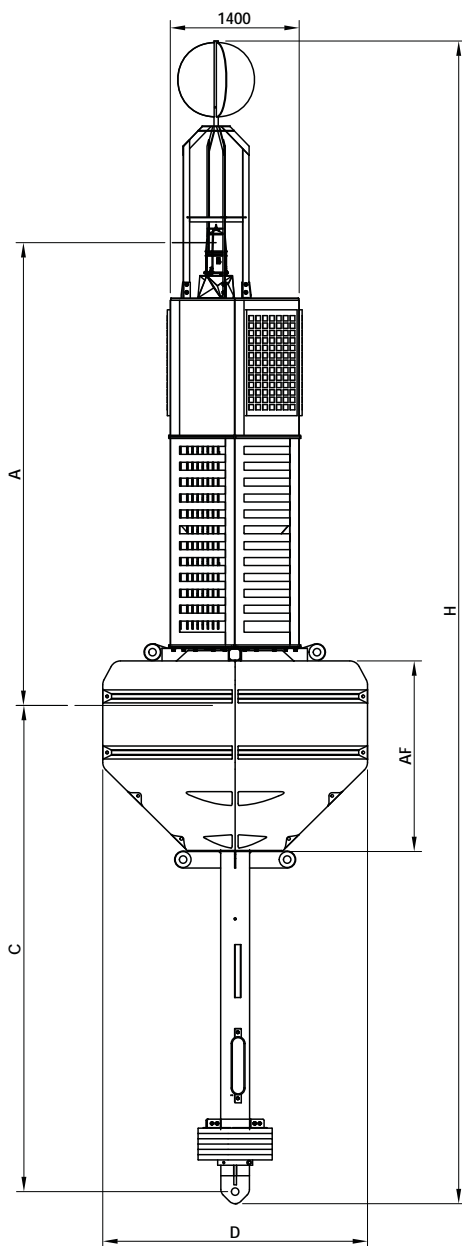


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## RBM-HV 22/30



Specifications subject to change without previous notice.



RBM-HV 25 of 2.5m diameter.

| Superstructure          |   |
|-------------------------|---|
| Material:               | 6 faces, naval degree aluminium.                      |
| Coating:                | UV- and corrosion-resistant polyurethane paint.       |
| Day marks:              | GRP.  |
| Top mark:               | GRP, according to IALA Recommendations.               |
| Radar reflector:        | 10 m <sup>2</sup> (X Band).                           |
| Solar modules capacity: | Up to 6 nos. solar modules of 75W (maximum).          |
| Batteries capacity:     | Up to 200 Ah, in watertight cabinet with safety lock. |
| Lifting eyes:           | 4 nos.  |
| Hardware:               | Stainless steel.                                      |

| Float        |   |
|--------------|---|
| Diameter:    | From 2.2 to 3 metres.   |
| Material:    | 15mm thickness rotomoulded virgin polyethylene (other thicknesses available). |
| Sections:    | Divided into 2 or 4 compartments.   |
| Filling:     | Closed-cell expanded polyurethane foam.                                       |
| Top surface: | Anti-sliding.   |

| Tail             |                            |
|------------------|----------------------------|
| Material:        | Hot-dip galvanized steel.  |
| Ballast weights: | Treated steel, detachable. |
| Mooring eye:     | 1 no.                      |
| Protection:      | Sacrifice anodes.          |

| Options  |  |
|--|--|
| Superstructure made from stainless-steel.                      |  |
| Racon support structure.                                       |  |
| Passive radar reflector available up to 36 m <sup>2</sup> RCS. |  |
| Active radar reflector.  |  |
| Bird spikes.   |  |
| Cast-iron ballast weights.                                     |  |
| Polystyrene filling available under request.                   |  |
| Skirt or short tail available.                                 |  |
| Other float volumes available under request.                   |  |

| MODEL     | (D) FLOAT DIAMETER (*) | (A) FOCAL HEIGHT (*) | (AF) FLOAT HEIGHT (*) | (C) DRAFT | (H) TOTAL HEIGHT (*) | FLOAT VOLUME       | TOTAL WEIGHT | MAX. CHAIN |
|-----------|------------------------|----------------------|-----------------------|-----------|----------------------|--------------------|--------------|------------|
| RBM-HV 22 | 2.2 m                  | 3.0 m                | 1,200 mm              | 3,700 mm  | 8,300 mm             | 4.3 m <sup>3</sup> | 1,700 kg     | 1,400 kg   |
| RBM-HV 25 | 2.5 m                  | 4.0 m                | 1,800 mm              | 4,600 mm  | 10,300 mm            | 6.1 m <sup>3</sup> | 2,580 kg     | 1,800 kg   |
| RBM-HV 30 | 3.0 m                  | 6.0 m                | 1,800 mm              | 5,600 mm  | 12,370 mm            | 8.6 m <sup>3</sup> | 2,950 kg     | 3,000 kg   |

\*Other diameters and heights available under request.



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