



Certificate No. 01-014020/0110497

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

**FLOATING PONTOON TYPE FE/IG/12R-3H1/2.35 (FE/IG/8R-2H1/2.35),
FOR BERTHS IN MARINAS**

MANUFACTURER:

INGEMAR srl
Via Martin Luther King 50
31032 Casale Sul Sile (TV)
ITALY

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Rules for the classification of ships; CRS Technical Circular QC-T-191.

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: **2024-04-21**

Place and date: Split, 2020-04-24 Seal

Marinko Popović, dipl. ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Floating pontoon type FE/IG/12R-3H1/2.35 (FE/IG/8R-2H1/2.35) structure is made of hot-dip galvanized transversal steel beams (EN 10025 S275 JR) and 4 longitudinal aluminium beams (EN-AW 6060-T5). Pontoon has 3 (2) floating units with dimensions 2.26x1.96x0.81 m made of expanded polystyrene covered with thin layer of reinforced concrete. Deck is made of tropical hardwood.

Pontoon dimensions FE/IG/12R-3H1/2.35 (FE/IG/8R-2H1/2.35):

length 12 (8) m	freeboard 0.6 m
breath (overall) 2.35 m	height 1.05 m

APPLICATION / LIMITATIONS:

- **Significant wave height up to 0.5 m**
- **Mooring of crafts length up to 18 m**

TYPE APPROVAL DOCUMENTATION:

Floating pontoon FE/IG/12R-3H1/2.35(FE/IG/8R-2H1/2.35), Standard Calculation Report No. 392-ENG-1 Rev.1

Floating pontoon FE/IG/12R-3H1/2.35(FE/IG/8R-2H1/2.35), Standard Technical Specification No. ENG-1 Rev.1

Floating pontoon FE/IG/12R-3H1/2.35, Test Report dated 24th November 2015

Floating pontoon FE/IG/8R-2H1/2.35, Test Report dated 18th January 2016

Drawing "GENERAL ASSEMBLY" for floating pontoon FE/IG/12R-3H1/2.35 No. 1-3-D0000-Z-10659-A

Drawing "GENERAL ASSEMBLY" for floating pontoon FE/IG/8R-2H1/2.35 No. 1-3-D0000-Z-14617-0

Drawing "TELAIO DA mt. 12.00x2.28 ASSIEME COSTRUTTIVO" No. 1-0-S0000-Y-9142-B

Drawing "TELAIO DA mt. 8.00x2.28 ASSIEME COSTRUTTIVO" No. 1-0-S0000-Y-9143-B

Drawing " GIUNTO DI UNIONE M24x180mm" No. 1-3-D0000-Z-5796-B

MARKING OF PRODUCT:

The product shall be marked with name of manufacturer, type of pontoon and serial number.

CONDITIONS FOR CERTIFICATION:

None.