

**POTVRDA O TIPNOM ODOBRENJU**  
**TYPE APPROVAL CERTIFICATE**Br / No **01-011470/018022**

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.  
*This is to certify that this product on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.*

**TIP I OPIS PROIZVODA:***TYPE AND DESCRIPTION OF PRODUCT:*

**PLUTAJUĆI PANTON TIP FE/IG/12R-3H1/2.35 (FE/IG/8R-2H1/2.35), ZA GATOVE U MARINAMA**  
*FLOATING PONTOON TYPE FE/IG/12R-3H1/2.35 (FE/IG/8R-2H1/2.35), FOR BERTHS IN MARINAS*

**PROIZVOĐAČ:***MANUFACTURER:***INGEMAR srl**

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

**PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:***THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:***Pravila za klasifikaciju brodova; Tehnička okružnica HRB-a QC-T-191.***Rules for the classification of ships; CRS Technical Circular QC-T-191.***DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.***FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.***ODOBRENJE VRIJEDI DO:**  
*APPROVAL IS VALID UNTIL:***2020-04-21****Mjesto i datum** ..... **Split, 2016-06-01**  
*Place and date***M.P.**  
*(Seal)*.....  
Marinko Popović, dipl.ing.

**Napomena: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.**

*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.*

**PODROBNJI OPIS PROIZVODA:***DETAIL PRODUCT DESCRIPTION:*

**Plutajući ponton tip FE/IG/12R-3H1/2.35 (FE/IG/8R-2H1/2.35) ima strukturu izradenu od čeličnih poprečnih profila (EN 10025 S275 JR) zaštićenih metodom toplog pocinčavanja i 4 uzdužna aluminijska nosača (EN-AW 6060-T5). Ponton ima 3 (2) uzgonska elementa dimenzija 2,26x1,96x0,81m izrađena od ekspaniranog polistirena presvučenog s tankim slojem ojačanog betona. Paluba pontona izrađena je od tropskog drva.**

*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.*

**Dimenzije pontona FE/IG/12R-3H1/2.35 (FE/IG/8R-2H1/2.35):**

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

**duljina/length 12 (8) m                      nadvođe/freeboard 0.6 m**  
**širina (preko svega)/breath (overall) 2.35 m                      visina/height 1.05 m**

**PODRUČJE PRIMJENE / POSEBNI I GRANIČNI UVJETI:***APPLICATIONS / LIMITATIONS:*

- **Značajna visina vala do 0,5 m**
- **Vez plovila duljine do 18 m**
- *Significant wave height up to 0.5 m*
- *Mooring of crafts length up to 18 m*

**DOKUMENTACIJA ZA TIPNO ODOBRENJE:***TYPE APPROVAL DOCUMENTATION:*

**Plutajući ponton FE/IG/12R-3H1/2.35(FE/IG/8R-2H1/2.35), Standardni proračun br. 392-ENG-1 Rev.1**

**Plutajući ponton FE/IG/12R-3H1/2.35(FE/IG/8R-2H1/2.35), Tehničke značajke br. ENG-1 Rev.1**

**Plutajući ponton FE/IG/12R-3H1/2.35, Izvješće o ispitivanju od 24.11.2015.**

**Plutajući ponton FE/IG/8R-2H1/2.35, Izvješće o ispitivanju od 18.01.2016.**

**Nacrt "GENERAL ASSEMBLY" za plutajući ponton FE/IG/12R-3H1/2.35 br. 1-3-D0000-Z-10659-A**

**Nacrt "GENERAL ASSEMBLY" za plutajući ponton FE/IG/8R-2H1/2.35 br. 1-3-D0000-Z-14617-0**

**Nacrt "TELAIO DA mt. 12.00x2.28 ASSIEME COSTRUTTIVO" br. 1-0-S0000-Y-9142-B**

**Nacrt "TELAIO DA mt. 8.00x2.28 ASSIEME COSTRUTTIVO" br. 1-0-S0000-Y-9143-B**

**Nacrt "GIUNTO DI UNIONE M24x180mm" br. 1-3-D0000-Z-5796-B**

*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*

**OZNAČAVANJE PROIZVODA:***MARKING OF PRODUCT:*

**Proizvod se mora označiti imenom proizvođača, oznakom pontona i serijskim brojem.**

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

**UVJETI ZA CERTIFIKACIJU:***CONDITIONS OF CERTIFICATION:*

**Nema.**

*None.*

Raččlana

31.00

Zamjenjuje potvrdu

01-011340