

Certificate of Type Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Castoldi SrL
Address	Strada Provinciale no 10 - 20080, Albairate (MI), Italy
Type	Rigid Inflated Rescue Boat
Description	6 Persons Davit Launched Rigid-inflated Rescue Boat with Jet Drive propulsion
Trade Name	Jet Tender 14 RB
Specified Standard	IMO Res. MSC.81(70), as amended IMO MSC/Circ.1006 ISO 15372:2000 + A1:2021

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 Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.



Marina Borglin

Fire & Safety - Assistant Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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**DESIGN APPRAISAL DOCUMENT****ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR26181594SS**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

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This Certificate Supersedes and is a Renewal and an Amendment of Certificate Number LR22129268SS

APPROVAL DOCUMENTATION

Castoldi Jet Tender 14 RB Owner's manual, Rev 6, dated 23/04/2026.

Castoldi Jet Tender 14 RB Quick instruction manual, Rev 3, undated.

Drawing Number	Rev No.	Date	Drawing Title
PJD-4001	00	07/07/2020	Jet Tender 14 Rescue Boat General Arrangement
Datasheet -JT14RB 2025	01	2025	Jet Tender 14 Rescue Boat General Arrangement
PJD-4000	01	21/04/2026	Righting System
PJD-4002	02	21/04/2026	Self-draining Layout
PJD-4003	02	21/04/2026	Towing System Layout
PJD-4004	02	21/04/2026	Fuel Plant
PJD-4005	02	22/04/2026	Exhaust System
PJD-4006	00	09/07/2020	Lifting Points Design
PJD-4006	01	23/04/2026	Lifting Points Design
PJD-4007	02	22/04/2026	Control System
PJD-4068	01	22/04/2026	Lifting Points
PJD-3987	00	20/01/2020	Lifting Points
PJD-3995	02	27/02/2026	Seating Arrangement
PJD-3996	02	15/04/2024	Lamination Plan
PJD-3997	02	21/04/2026	Assembly Layout Inflatable Tube on Superstructure and Hull
PJD-3998	00	06/07/2020	Inflatable Tube Chamber Volume
PJD-3999	02	21/04/2026	Lights Layout
PJD-3985	03	21/04/2026	Reflecting Stripes and High Visibility Colour Layout
580.22282	00	17/04/2026	High Visibility Boat Cover
592.21259	01	12/08/2021	Emergency Steering Tiller

TEST REPORTS

MSC/Circ. 980 Prototype Test Report for Rigid/Inflated Rescue Boat, report No. 376349, dated 26/10/2020, witnessed by Istituto Giordano S.p.A.

Flame Resistance Test according to the MSC/Circ. 1006, Section 4, report No. 2012CS012295/1, dated 16/01/2013, conducted by Test laboratory of RINA S.p.A.

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Fire Retardant Test to ISO 5660-1 in accordance with MSC/Circ. 1006, Section 3 report No. 0117/DC/REA/13, dated 26/02/2013, conducted at Test laboratory of CSI S.p.A.

MSC.1/Circ.1631/Rev.1 Evaluation and Test Report Rigid/Inflated Rescue Boat JT 14RB acceptance of Lift Point Position & Seating Arrangement, dated 17/02/2026 as witnessed by LR Surveyor.

CONDITIONS OF CERTIFICATION

1. **Dimensions (L x B x D):** - 4.28 x 2.00 x 1.14 meters
2. **Design weights:**

Lightweight:	903 kg
Equipment:	50 kg
Fuel Oil:	67 kg
Water:	50 kg
Fully equipped weight:	1070 kg
Complement weight:	495 kg (with 6 persons)
Recovery weight (fully laden):	1565 kg (with 6 persons)
3. **Approved Equipment Details:-**

Manufacturer:	Yanmar
Type:	4JH110
Power:	80.9 kW
Max Bollard Pull:	5850 N
4. **Material Details:**

Materials	Type	Manufacturer
Fire Retardant Gelcoat	NORPOL NGA X2	Reichhold
Polyester Resin	DION® FR 850-800	Reichhold
Bi-axial	KEBX600	Selcom SRL
Chopped Strand Mat	M501-450	Ahlstrom
Chopped Strand Mat	M123-225	Owens Corning
Proofed Fabrics	ORCA 866	Pennel & Flipo
5. The rescue boat is approved for up to a maximum of 5 persons plus 1 person in a stretcher provided the seating arrangement is to the satisfaction of the attending surveyor.
6. Maximum allowed speed of the rescue boat is 20 knots.
7. This rescue boat is righted manually by 2 persons.



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8. Portable orange covers fitted with retro-reflective material are to be attached to the boat when used as a rescue boat to assist with detection at sea.
9. The rescue boat is to be kept in a state of continuous readiness for launching in not more than 5 minutes when the host vessel is at sea.
10. The launch and recovery appliance is to be capable of raising the rescue boat from the water, with its full complement of persons and equipment at a rate of not less than 0.3m/s.
11. The rescue boat is to be provided with a 'foul weather recovery stop(s)' of Safe Working Load equivalent to at least the maximum laden weight of the boat where heavy blocks (more than 7 Kgs) constitute a danger.
12. The rescue boat is provided with a four-point suspension arrangement for launching from a ship at sea. The release gear used in conjunction with his boat shall be an approved release mechanism certified for a maximum safe working load (SWL) of not less than the boat's maximum fully laden weight.
13. The boat's equipment on board shall be kept in good working order at all times and checked at regular intervals according to the manufacturer's instructions and SOLAS requirements.
14. The fully laden weight including fuel, equipment's and persons shall be lower than the certified SWL of the launching device.
15. The rescue boat is provided with a four-point suspension arrangement for launching from a ship at sea, the release gear used in conjunction with this boat shall be an approved release mechanism certified for a maximum safe working load (SWL) of not less than the boat's maximum fully laden weight.
16. The release gear does not form a part of this design appraisal, but it is expected that the release gear used in conjunction with the rescue boat covered under this certificate is an approved type. It is to be demonstrated to the attending surveyor's satisfaction that the rescue boat can be raised/lowered without interference with the occupants of the boat.
17. The rescue boat is to be marked in block capitals of the Roman alphabet with the number of persons it is approved to carry, the name and port of registry of the ship to which the boat belongs; and means of identifying from above the ship to which the boat belongs along with the number of the boat.
18. In accordance with LSA Code Paragraph 4.4.7.6.9 all components of the lifting arrangement and the fixed structural connections in a boat shall be of material corrosion resistant in the marine environment without the need for coatings or galvanizing. This does not preclude any additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration. The arrangements should be to the satisfaction of the attending Surveyor.
19. Each boat is to be marked with the information required by the LSA Code, Regulations 1.2.2.9 and 4.4.9. The Rescue boat is to be marked in block capitals of the Roman alphabet with the number of persons it is approved to carry, the name and port of registry of the ship to which the boat belongs; and means of identifying from above the ship to which the boat belongs along with the number of the boat.

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20. Detailed instructions for use, maintenance and installation of the rescue boat complying with SOLAS Regulations III/35 and 36 and also instructions for use and maintenance of all machinery and equipment shall be provided to each purchaser and be available on board. The equipment shall be kept in good working order at all times and checked at regular intervals according to the manufacturer's instructions and SOLAS requirements.
21. Any inspection, maintenance, thorough examination, operational testing, overhaul and repair shall be carried out according to requirements of resolution MSC.402(96).
22. Water-resistant instructions for starting and operating the engine shall be provided and mounted in a conspicuous place near the engine starting controls. Each marking of control, gage or display shall be permanent and weatherproof.
23. All equipment installed on board should be of an approved type as required by the SOLAS and the LSA Code as applicable.
24. **Installation on board:** The on board arrangements and installation of the rescue boat are not part of this design appraisal or certificate. All such arrangements are to be to the satisfaction of the Surveyors attending on board.
25. **Variants of the Approved design:** If this boat is proposed to be supplied to a purchaser's specification which requests omission of one or more of the facilities necessary to meet the SOLAS performance requirements referred to above, the purchaser is required to request the Administration to consider issue of an Exemption Certificate to omit such facilities. Only when the exemption has been granted by the Administration may a variant of this rescue boat design be supplied under this certificate.
26. Alternations/modifications of the Type Approved Rescue Boat will invalidate the Type Approval Certificate which, in turn, will affect the validity of the related Statutory Certificate (of the vessel on which the Rescue Boat is installed). In such cases, where equipment requires alternation/modifications, these are only to be carried out with the agreement/approval of the Flag State Administration (of the vessel on which the Rescue Boat is installed) on an installation-by-installation basis. This certificate may be suspended or cancelled if manufacturer deviates from any of the conditions described herein.
27. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5.
28. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2 and each item, batch, or lot be delivered with a Certificate of SOLAS Production Testing issued by the attending Surveyors following their witness of the tests. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.
29. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.



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30. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.

PLACE OF PRODUCTION

Castoldi Srl
Strada Provinciale 114
n° 10 - 20080
Albairate (MI)
Italy

Marina Borglin
Technical Assistant Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s)