



DET NORSKE VERITAS

TYPE CERTIFICATE FOR BOATS

Builder:	Marine Frontiers, Mumbai, India
Boat type:	12 m Patrol
Type Identification No.:	646.01
Applicability:	COMMERCIAL, Decked

THIS IS TO CERTIFY:

that the above mentioned boat type has been found to comply with the Society's Rules valid at the date of this certificate:
Standard for Certification 2.21 - Craft

Conditions

Type certification means that the boatbuilder has engaged himself to build boats in series identical to the prototype which the Society has inspected and found to be in accordance with the above mentioned Rules. The production of the type certified boat is subject to surveillance by the Society, by inspection. Boats of the certified type is to be equipped with an individual certificate to be issued upon product survey.

Particulars

Length, Loa:	12.00 m
Beam incl. fenders, B max:	3.80 m
Draught incl. keel, max:	at midship 0.67 m
Height above waterline, incl. mast, max:	4.34 m
Weight of boat, incl. engine, equipment, net:	8011 kg
Hull material:	Aluminium
Propulsion:	3 x Outboard - E-250 DCXISE, E-250 DPXISE

Restrictions

Engine power, max:	3 x 183.9 kW
Maximum load (fuel, persons, add. weight):	2382* kg
Number of persons, max:	10 (2 Crew + 8 Pax)

Special restrictions:

***Freeboard shall never be less than 100 mm. Max draught marks shall be arranged at bow and stern.**

Max speed for running astern: 1200 rpm.

The certification is based on the assumption that the boats will be handled in a seamanlike manner, as stipulated in the Rules.

This Certificate is valid until **2015-12-31**.

Issued at **Høvik** on **2011-09-21**

for Det Norske Veritas AS

Ian Edwards
Head of Section