

# VANGUARD

PROFESSIONAL & RESCUE BOATS

ENGLISH 2017



**ADVANCED | TOUGH | RELIABLE**







With manufacturing facilities in Portugal, the international Vanguard Marine group designs and manufactures work and rescue boats for a wide range of users, including companies, clubs, marinas, diving centres, federations, the naval industry, lifeboat and rescue organisations and the defence sector, in addition to SOLAS rescue boats. The design and manufacture processes are strongly focused on building safe, strong and durable products from the highest quality materials.

Vanguard Marine's technical team brings together 30 years of proven experience working on successful business projects and the manufacture of thousands of boats, incorporating new generation techniques and applying modern design and development technologies like Finite Element control.



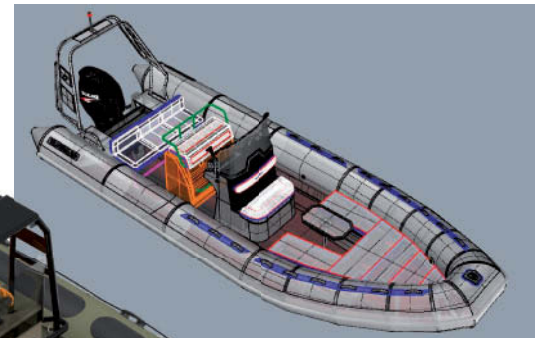
Engineering and manufacture plant



Motorisation and equipment plant

## Custom Design

In addition to production line products manufactured under the ISO 6185 standard, Vanguard Marine has its own design department to develop special products to meet the most demanding technical specifications, including regulations and standards from SOLAS/IMO and rescue organisations, as well as military applications for various armed forces and government products.



All models come with CE certification NEW DIRECTIVE 2013/53/EU which is mandatory from 18 January 2017

## Quality orientated

Vanguard Marine is *Committed to quality* and follows a strict criteria to ensure high quality, durability and reliability in the design and manufacture of its products, all backed by a rigorous quality control system.



MANUFACTURED BY VANGUARD MARINE LDA.



ISO 9001:2008

## Materials

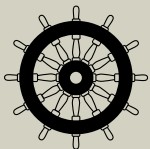
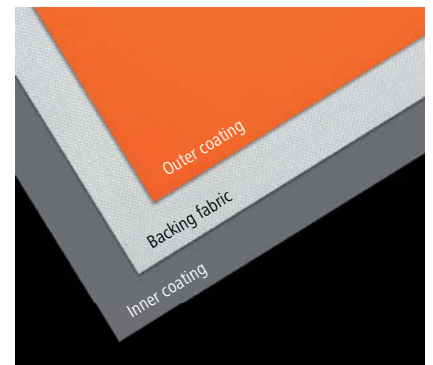
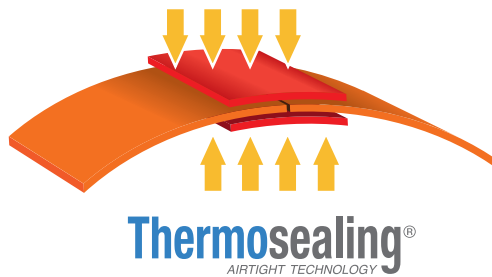
Tubes can be manufactured from any of the three existing materials on the market, PVC, Neoprene-Hypalon and Polyurethane PU, in line with customer requirements. Vanguard Marine holds a stock of all these materials and can provide independent advice on the best material for specific activities.

PVC and Polyurethane PU are manufactured using mechanical and robotic systems, together with **Thermosealing®** technology, a highly cost-effective industrial process that ensures consistent quality. The Neoprene-Hypalon manufacture process uses the traditional manual cold gluing method.

**Thermosealing®** is the industrial process for assembling the different parts of the air tube using a simultaneous double seal process rolled at high pressure, with double band inner/outer joins that make the seams stronger than the materials that are used.

Type of material	BRAND	Manufacture Technology	Recommended Use	COLOUR
PVC 1500	Hypertex® 	Industrial Thermosealing	Sports Light professional	
CSM Neoprene-Hypalon 1500	Orca 866® 	Manual gluing	Professional	
PU Polyurethane 1500	Orcathane® 	Industrial Thermosealing	Professional	
PU Polyurethane 2000	Elastar® 	Industrial Thermosealing	Extrem Professional	

\* Please check stock for availability of materials and colours.



**SOLAS**

MED-B 1450178  
SAS S140074

Its focus in the rescue and safety market has led **Vanguard Marine** to develop a range of SOLAS rescue boats.

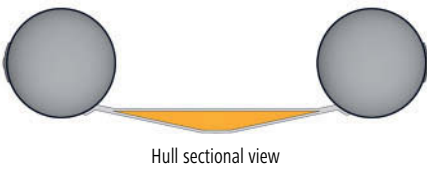




Strong, robust, high-capacity professional tender boats whose large diameter tubes provide excellent stability. For service and tender use for large professional vessels with reduced stowage space. Tubes with anti-slip reinforcements at the points of greatest friction, over-pressure valves, manoeuvring cleat, hoisting bolts and reinforced deck that allows an optional jockey to be fitted with remote control.



**KD340**



**KD-300  
BASIC**

**KD-340  
BASIC**

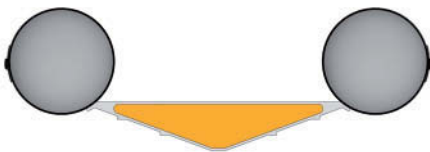
All RIBs can be fitted out and customised according to client's specifications.

Specifications	KD-300	KD-340
Category	C	C
Length overall	3,00 m	3,40 m
Length inner	1,99 m	2,40 m
Beam overall	1,63 m	1,63 m
Beam inner	0,80 m	0,80 m
Tube diameter	0,42 m	0,42 m
N° compartments	2	3
Max. load	535 kg	600 kg
Max. people	4	5
Max. power	12 kW - 16 HP	18,66kW - 25 HP
Max. motor weight	100 Kg	125 Kg
Shaft type	S	S
Craft weight	70 kg	81 kg
Packing measurements	2,8 x 1,12 x 0,5 m	3,22 x 1,12 x 0,5 m
Telescopic paddles	2	2



Can be tiller steered, for professional and sports use in clubs, marinas and beach rescue. Towable and can be unloaded on any ramp or beach close to desired area.

Closed-cell polyurethane foam filling provides extra buoyancy, making the boat practically unsinkable. Can optionally take a jockey with remote control and a high-capacity bow locker permits the fitting of the fuel tank to improve the centre of gravity.



Hull sectional view



Specifications	DR-400
Category	C
Length overall	3,99 m
Length inner	2,95 m
Beam overall	1,88 m
Beam inner	0,92 m
Tube diameter	0,46 m
N° compartments	3
Max. load	745 kg
Max. people	6
Max. power	29,8 kW - 40 HP
Max. motor weight	145 kg
Shaft type	L
Craft weight	154 kg
Packing measurements	3,80x1,30x0,70 m
Telescopic paddles	2



Compact boats with high bow sheer that favours dry and safe sailing in all sea conditions. Perfect for supporting sports sailing activities, family touring and marina transfers. Easy transport facilitates clubs movements.

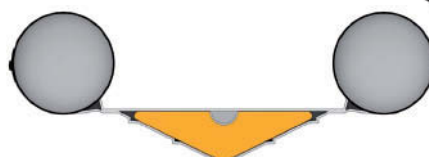
Closed-cell polyurethane foam filling provides extra buoyancy, making the boat practically unsinkable. Large, strong and non-slip bow stowage locker facilitates access to other boats via the bow. Both can be fitted with an optional jockey. Internal cable conduits free up the deck and the counterbracket provides access to the bilge, allowing the installation of a pump.



**DR450**



**DR500**



Hull sectional view

Specifications	DR-450	DR-500
Category	C	C
Length overall	4,45 m	4,95 m
Length inner	3,40 m	3,84 m
Beam overall	1,97 m	2,01 m
Beam inner	0,98 m	1,02 m
Tube diameter	0,48 m	0,48 m
Nº compartments	4	4
Max. load	1132 kg	1365 kg
Max. people	8	9
Max. power	44,7 kW - 60 HP	44,7 kW - 60 HP
Max. motor weight	182,2 kg	150 kg
Shaft type	L	L
Craft weight	192 kg	234 kg
Packing measurements	7,07x1,56x0,88 m	4,4x1,6x0,95 m
Telescopic paddles	2	2
Bilge pump 2400 l/h	-	1



Wide beam, extremely stable during sailing and when anchored, high bow sheer for dry and safe sailing in all conditions. Its high capacity makes the boat ideal for assistance and service for professional activities, sports and leisure. Compact size allows comfortable towing. Moulded deck with non-slip finish, large, strong and non-slip bow stowage locker facilitates access to other boats via the bow.

Can be fitted with an optional jockey, console and seat. The internal cable conduits free up the deck and the counterbracket provides access to the bilge, allowing the installation of a 2400 l/hour pump.



Large bow locker

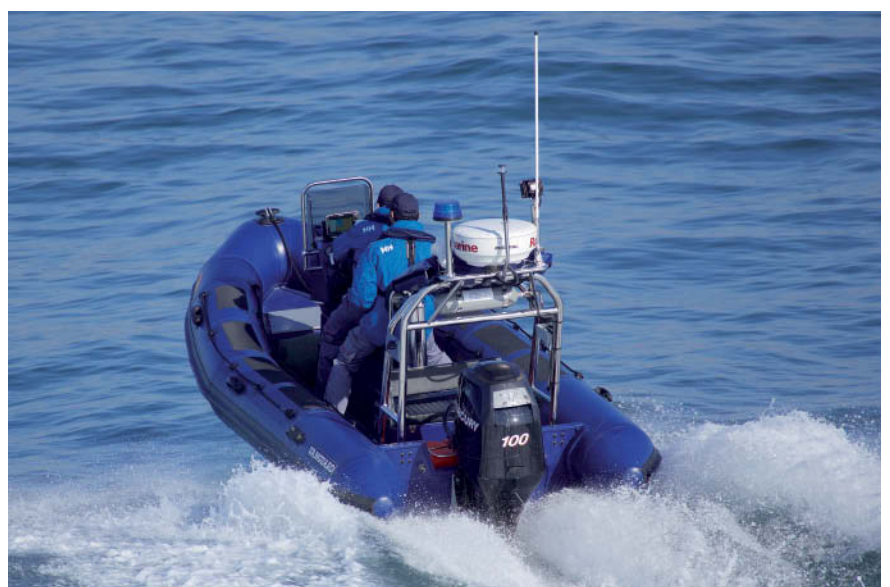


Bilge and pump access



Hull sectional view with integrated fuel tank

Specifications	DR-560
Category	C
Length overall	5,60 m
Length inner	4,25 m
Beam overall	2,40 m
Beam inner	1,30 m
Tube diameter	0,55 m
N° compartments	5
Max. load	1446 kg
Max. people	12
Max. power	74,5 kW - 100 HP
Max. motor weight	228 kg
Shaft type	L
Craft weight	456 kg
Packing measurements	5,09x1,9x0,97 m
Telescopic paddles	2
Fuel tank capacity	100 lts
Bilge pump 2400 l/h	1





Highly manoeuvrable with deep V hull to the bow. Wide, self-bailing 6.35 m<sup>2</sup> deck, with large bow stowage locker allows the anchoring of equipment and bow access to other boats. Tubes above the waterline improve sailing performance and prevent the accumulation of seaweed and crustaceans when anchored for long periods. Hull with reinforced internal structure and deck. Built-in 130 litre fuel tank below deck ensures range and stability. Stern counterbracket with access to cable conduits and bilge, with 6000 l/hour pump.



Hull sectional view with integrated fuel tank



Self draining deck  
Elephant trunk

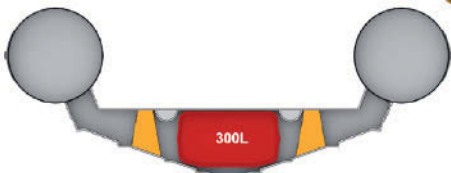


Specifications	DR-660
Category	C
Length overall	6,60 m
Length inner	5,25 m
Beam overall	2,58 m
Beam inner	1,40 m
Tube diameter	0,55 m
N° compartments	5
Max. load	1561 kg
Max. people	14
Max. power	130 kW - 175 HP
Max. motor weight	281 kg
Shaft type	1XL - 2L
Craft weight	512 kg
Packing measurements	6,6x2,13x1,15 m
Telescopic paddles	2
Fuel tank capacity	130 lts
Bilge pump 6000 l/h	1





Robust, high-capacity boat with wide beam and large self-bailing 8.75 m<sup>2</sup> deck, providing a high level of safety and comfort for charter and diving activities. Tubes above the waterline improve sailing performance and prevent the accumulation of seaweed and crustaceans when anchored for long periods.



Hull sectional view with integrated fuel tank

Hull with reinforced internal structure and deck. Built-in 300 litre fuel tank below deck that provides range and stability. Large bow stowage locker and complete deck that allows the use of a wide range of optional accessories. Large transom to prevent waves coming on-board during sharp deceleration and bilge access with a 6000 l/hour pump.

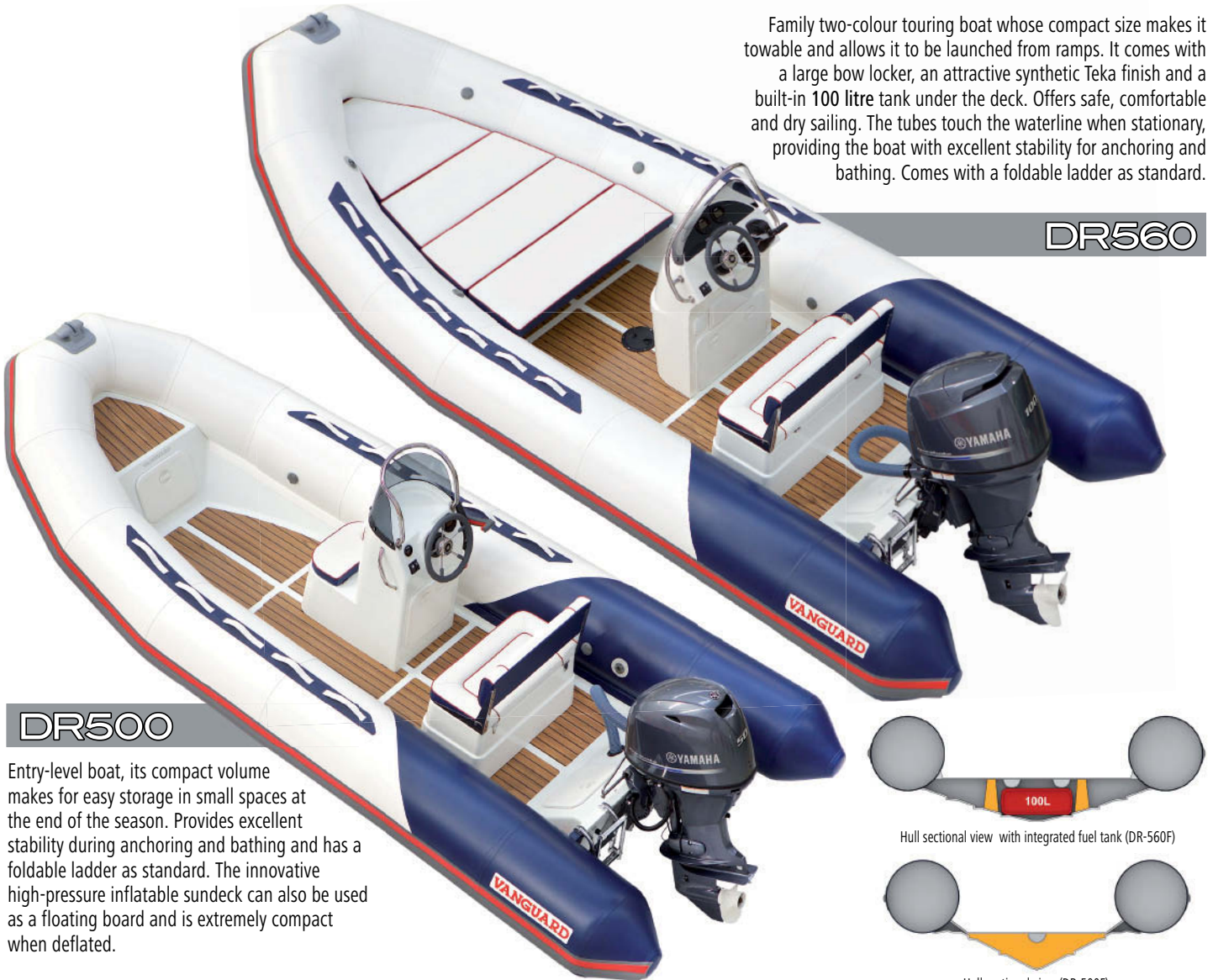


Specifications	DR-760
Category	C
Length overall	7,60 m
Length inner	6,10 m
Beam overall	2,86 m
Beam inner	1,57 m
Tube diameter	0,60 m
N° compartments	5
Max. load	1978 kg
Max. people	19
Max. power	223,7 kW - 300 HP
Max. motor weight	313 kg
Shaft type	1XL - 2L
Craft weight	860 kg
Packing measurements	6,5x2,2x1,2 m
Telescopic paddles	2
Fuel tank capacity	300 lts
Bilge pump 6000 l/h	1





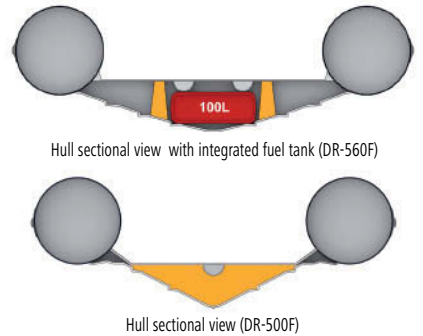
Family two-colour touring boat whose compact size makes it towable and allows it to be launched from ramps. It comes with a large bow locker, an attractive synthetic Teka finish and a built-in 100 litre tank under the deck. Offers safe, comfortable and dry sailing. The tubes touch the waterline when stationary, providing the boat with excellent stability for anchoring and bathing. Comes with a foldable ladder as standard.



**DR500**

Entry-level boat, its compact volume makes for easy storage in small spaces at the end of the season. Provides excellent stability during anchoring and bathing and has a foldable ladder as standard. The innovative high-pressure inflatable sundeck can also be used as a floating board and is extremely compact when deflated.

**DR560**



Foldable ladder



Large bow locker



Bilge and pump access



Optional inflatable sundeck

Specifications	DR-500 F	DR-560 F
Category	C	C
Length overall	4,95 m	5,60 m
Length inner	3,84 m	4,25 m
Beam overall	2,01 m	2,40 m
Beam inner	1,02 m	1,30 m
Tube diameter	0,48 m	0,55 m
N° compartments	4	5
Max. load	1365 kg	1446 kg
Max. people	9	12
Max. power	44,7 kW - 60 HP	74,5 kW - 100 HP
Max. motor weight	150 kg	228 kg
Shaft type	L	L
Craft weight	317 kg	471 kg

**Boat equipment DR-500F**

Console S-500F
Locker S-500
Swimming ladder
Bilge Pump 2400 l/h

**Optional equipment DR-500F**

Sun deck
Bimini cover

**Boat equipment DR-560F**

Fuel tank 100 l
Console S-560
Locker S-560
Swimming ladder
Bilge Pump 2400 l/h

**Optional equipment DR-560F**

Sun deck
Bimini cover
SS Navigation frame S-600



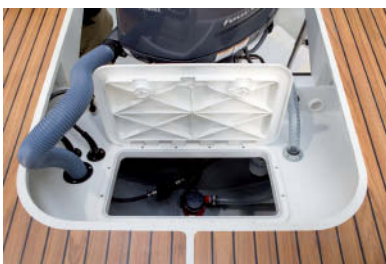
High-performance boat with a wide and spacious synthetic Teka deck, large lockers for storing equipment to the bow and stern and a built-in 300 litre fuel tank below deck. Its hull has a large beam and excellent buoyancy, ensuring stability when in motion and stopped, without the tubes having to touch the water. This improves speed and maintenance, preventing the accumulation of seaweed and crustaceans when anchored for long periods of time. Equipped with a large console, removable sundeck, locker with stern table and bathing ladder



Bow table



Foldable ladder



Bilge and pump access



Console s-700 with large stowage



Hull sectional view with integrated fuel tank

Specifications	DR-760 F
Category	C
Length overall	7,60 m
Length inner	6,10 m
Beam overall	2,86 m
Beam inner	1,57 m
Tube diameter	0,60 m
N° compartments	5
Max. load	1978 kg
Max. people	19
Max. power	223,7 kW - 300 HP
Max. motor weight	313 kg
Shaft type	1XL - 2L
Craft weight	1083 kg

Boat equipment
Fuel tank 300 l
Console S-700 F
Locker with table S-700 F
Transom seat 3 people
Swimming ladder
Sun deck
Bilge Pump 6000 l/h

Optional equipment
Bimini cover
SS Navigation frame S-700
Shower kit
Bow table



Detachable lockers give the boat great versatility



Robust, lightweight and high-capacity semi-rigid compact boat, designed, built and tested under the latest standards. The hull is manufactured from 4mm thick marine aluminium and has a closed cell foam core to ensure it is lightweight and fast while providing excellent stability and low fuel consumption. The tube has five independent air chambers. The boat can be powered by a 25 to 40 hp outboard engine for quick planing.



Unsinkable hull manufactured from 4 mm thick marine grade aluminum and filled with closed cell foam.

**SOLAS Certification**

SOLAS 420 RB has MED B and D certification from Lloyds Register under the Marine Equipment Directive (MED 96/98/EC) and its amendments, as well as the International Convention for Safety of Life at Sea SOLAS 74 and amendments, and IMO LSA Code resolution MSC 48(66) chapter V MSC/Circ.980.

Specifications	SOLAS 420RB
Length overall	4,20 m
Length inner	3,19 m
Beam overall	2,03 m
Beam inner	1,05 m
Draft	0,61 m
Tube diameter	0,48m
No. compartments	5
Max. people	6
Craft weight	225 kg
Craft/equipment/engine/tank weight	379 kg
Craft/equipment/engine/tank/crew weight	862 Kg
Power	25 HP / 40 HP
Type of shaft L	L
Max. engine weight	100 Kg



**Insubmersible:** Even with all its compartments deflated, the boat conserves its buoyancy with crew and equipment.



**Transfer:** Transfer of cargo and equipment.



**Auxiliary:** For supplementary inspection and service tasks.



Strong and manoeuvrable boat with a deep V hull ideal for professional use as tender and transfer for larger vessels, as well as surveillance, patrol, rescue, civil protection and other operations that demand security, speed and effectiveness. Highly regarded among sailing coaches. Towable and low maintenance costs.



Professional hull with reinforced internal structure, optional unsinkable model available upon request. Moulded non-slip deck with a large bow stowage locker and a 100 litre fuel tank below deck to increase range and stability. Cable conduits below deck for remote control configurations free up deck space. A jockey or console with seat can be fitted. Counterbracket to the stern with bilge access and 2400 l/hour pump.

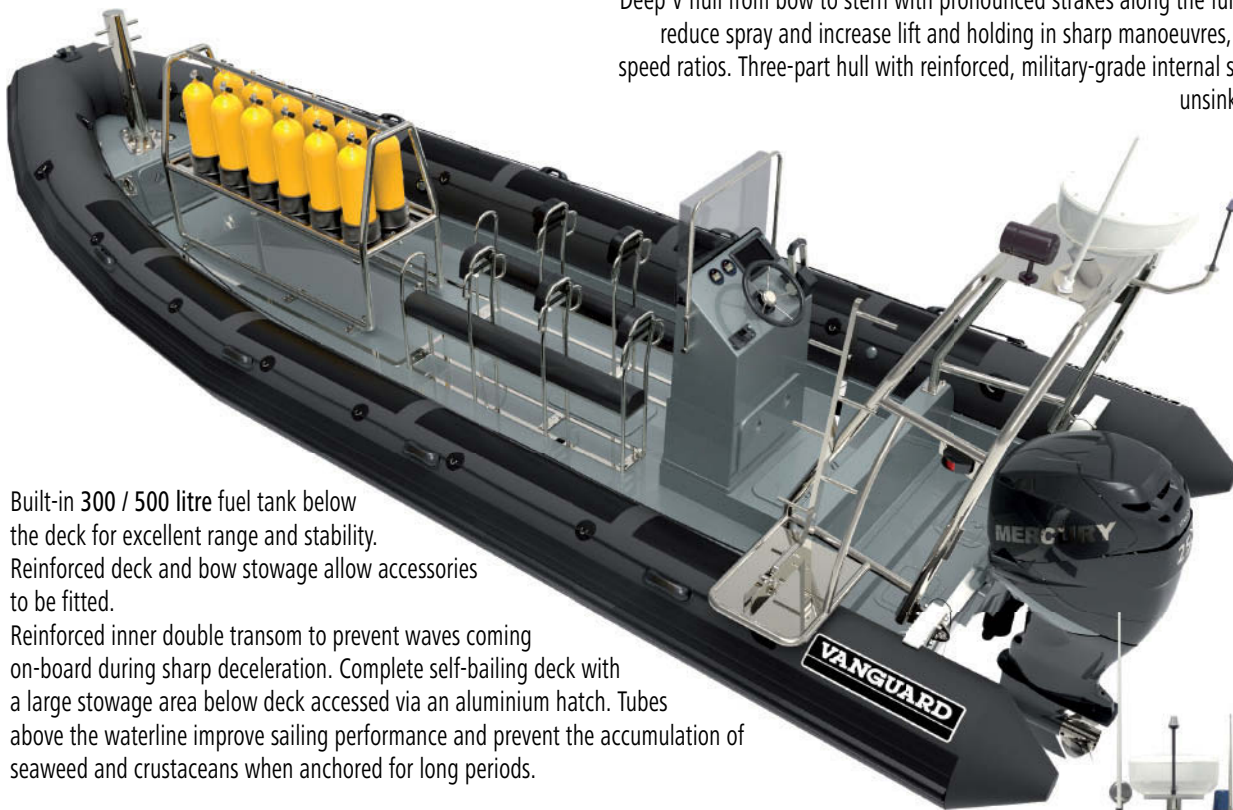


Hull sectional view with integrated fuel tank



Specifications	TX-540
Category	C
Length overall	5,40 m
Length inner	4,22 m
Beam overall	2,15 m
Beam inner	1,13 m
Tube diameter	0,49 m
N° compartments	5
Max. load	1083 kg
Max. people	9
Max. power	74,5 kW - 100 HP
Max. motor weight	228 kg
Shaft type	L
Craft weight	100 lts
Packing measurements	304 kg
Telescopic paddles	5,2x1,9x1,1 m
Bilge pump 2400 l/h	1

High-performance outboard boats built to military-grade specifications for professional, armed forces, coast guard, quick response patrol and rescue operations, as well as charter activities and high-performance diving centres. Deep V hull from bow to stern with pronounced strakes along the full length of the hull that reduce spray and increase lift and holding in sharp manoeuvres, maximising power and speed ratios. Three-part hull with reinforced, military-grade internal structure and practically unsinkable buoyancy reserve.



Built-in 300 / 500 litre fuel tank below the deck for excellent range and stability. Reinforced deck and bow stowage allow accessories to be fitted.

Reinforced inner double transom to prevent waves coming on-board during sharp deceleration. Complete self-bailing deck with a large stowage area below deck accessed via an aluminium hatch. Tubes above the waterline improve sailing performance and prevent the accumulation of seaweed and crustaceans when anchored for long periods.



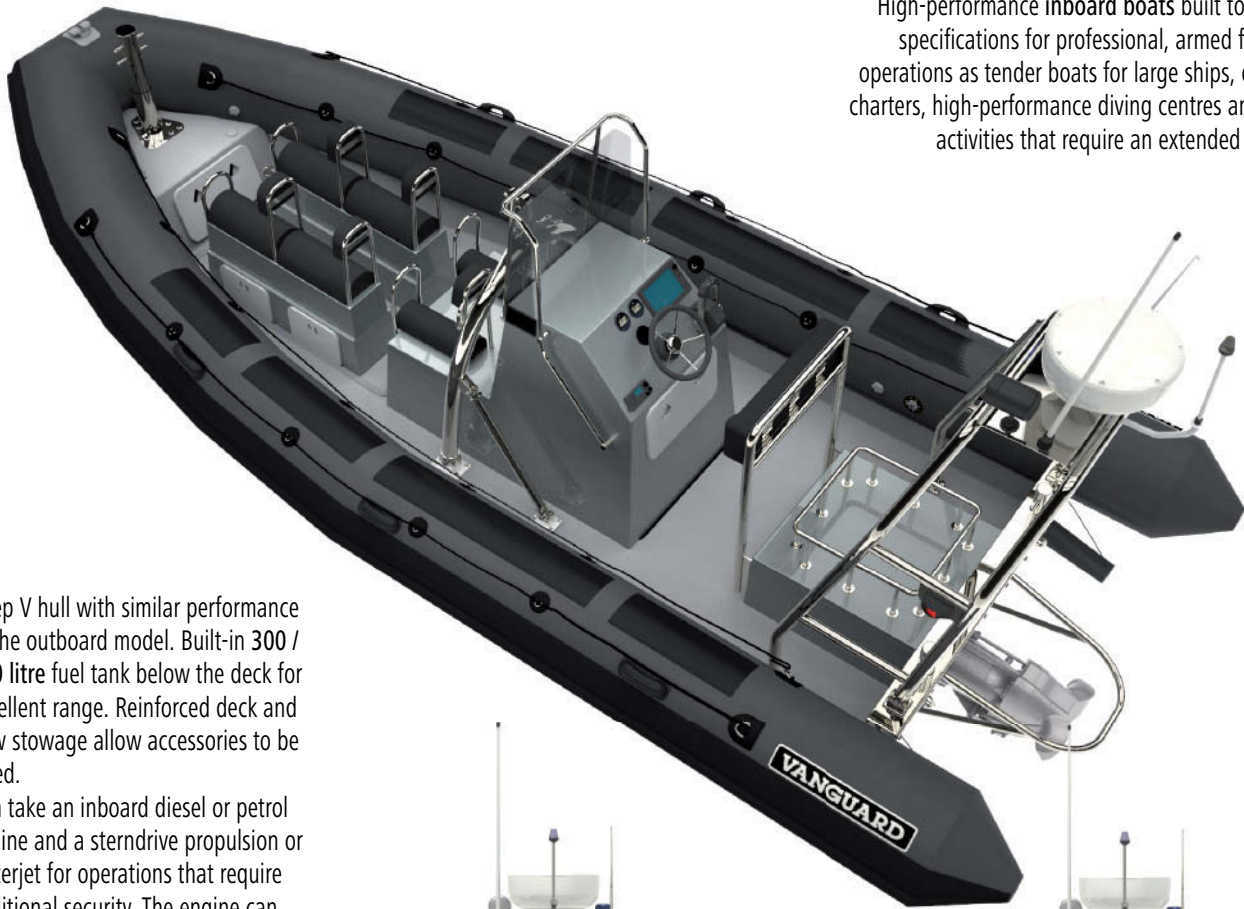
Specifications	TX-760 OB	TX-860 OB
Category	B/C	B/C
Length overall	7,50 m	8,60 m
Length inner	6,12 m	7,35 m
Beam overall	3,06 m	3,06 m
Beam inner	1,86 m	1,86 m
Tube diameter	0,56 m	0,60 m
N° compartments	5	7
Max. people	14 / 17	15 / 21
Max. power	223,7 kW (300 HP)	372 kW (500 HP)
Craft weight	1745 kg / 1425 kg	2091 kg
Shaft type	2XL-1XXL	2XL-1XXL
Fuel tank capacity	300 lts	500 lts
Bilge pump 6000 l/h	1	1



All RIBs can be fitted out and customised according to client's specifications.

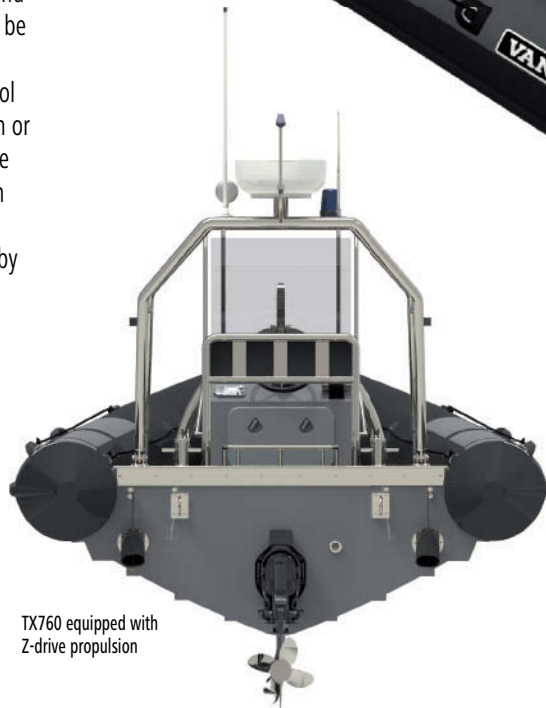


High-performance inboard boats built to military-grade specifications for professional, armed forces, offshore operations as tender boats for large ships, oil rigs, rescue, charters, high-performance diving centres and professional activities that require an extended range and low consumption.

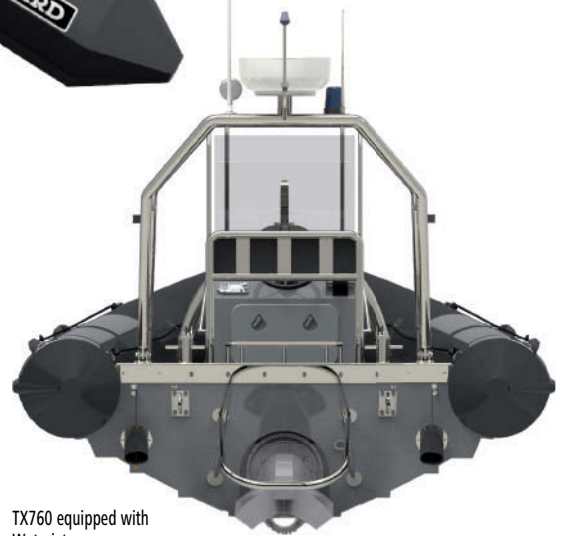


Deep V hull with similar performance to the outboard model. Built-in 300 / 500 litre fuel tank below the deck for excellent range. Reinforced deck and bow stowage allow accessories to be fitted.

Can take an inboard diesel or petrol engine and a sterndrive propulsion or waterjet for operations that require additional security. The engine can be installed to the stern or in the centre if the boat is to be hoisted by a single point onto high ships.



TX760 equipped with Z-drive propulsion



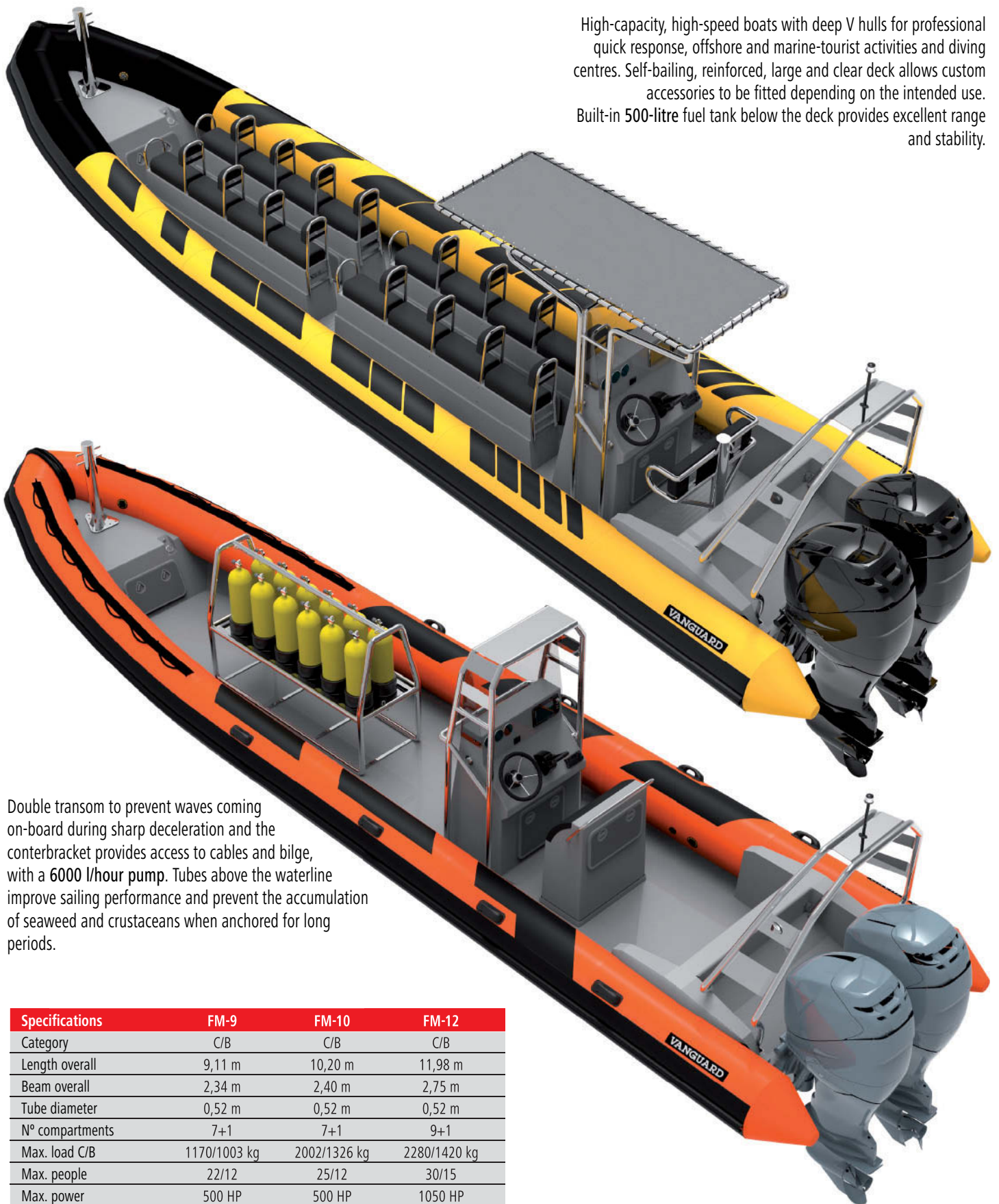
TX760 equipped with Waterjet

Specifications	TX-760 IB	TX-860 IB
Category	B/C	B/C
Length overall	7,50 m	8,60 m
Length inner	6,12 m	7,35 m
Beam overall	3,06 m	3,06 m
Beam inner	1,86 m	1,86 m
Tube diameter	0,56 m	0,60 m
N° compartments	5	7
Max. people	14 / 17	15 / 21
Max. power	223,7 kW (300 HP)	372 kW (500 HP)
Craft weight	1745 kg / 1425 kg	2091 kg
Shaft type	according to version	according to version
Fuel tank capacity	300 lts	500 lts
Bilge pump 6000 l/h	1	1



All RIBs can be fitted out and customised according to client's specifications.

High-capacity, high-speed boats with deep V hulls for professional quick response, offshore and marine-tourist activities and diving centres. Self-bailing, reinforced, large and clear deck allows custom accessories to be fitted depending on the intended use. Built-in 500-litre fuel tank below the deck provides excellent range and stability.



Double transom to prevent waves coming on-board during sharp deceleration and the conterbracket provides access to cables and bilge, with a 6000 l/hour pump. Tubes above the waterline improve sailing performance and prevent the accumulation of seaweed and crustaceans when anchored for long periods.

Specifications	FM-9	FM-10	FM-12
Category	C/B	C/B	C/B
Length overall	9,11 m	10,20 m	11,98 m
Beam overall	2,34 m	2,40 m	2,75 m
Tube diameter	0,52 m	0,52 m	0,52 m
N° compartments	7+1	7+1	9+1
Max. load C/B	1170/1003 kg	2002/1326 kg	2280/1420 kg
Max. people	22/12	25/12	30/15
Max. power	500 HP	500 HP	1050 HP
4T Recomend motor	2x150 HP	2x175 HP	3x250 HP
Max. motor weight	550 kg	550 kg	1094 kg
Shaft type	2 XL o 1 XXL	2 XL o 1 XXL	2 XL o 2 XL+1 XXL
Craft weight	700 kg	936 kg	1550 kg

\*Datos provisionales



In addition to production line products manufactured to the ISO 6185 standard, Vanguard Marine has its own design department for the development of custom products to meet the most demanding technical specifications, including SOLAS/IMO regulations and standards and rescue organisations, as well as military applications for various armed forces and government products.



Navigation frame with self righting system



**Bow locker DR-400**  
L: 63cm - W: 78cm - H: 34cm



**Bow locker DR-400 Rescue**  
L: 90cm - W: 90cm - H: 44cm



**Jockey S-400**  
L: 117cm - W: 29cm - H: 71cm



**Jockey S-500**  
L: 133cm - W: 49cm - H: 96cm



**Jockey S-600 PRO**  
L: 197cm - W: 79cm - H: 152cm



**Jockey Biscaya**  
L: 57cm - W: 37cm  
H: 117cm



**Modular seat 1 person**  
L: 62cm - W: 32cm  
H: 107cm



**Modular seat double**  
L: 112cm - W: 32cm  
H: 105cm



**Modular seat 3 persons**  
L: 169cm - W: 32cm - H: 105cm  
**Modular seat 4 persons**  
L: 225cm - W: 32cm - H: 105cm  
**Modular seat 5 persons**  
L: 225cm - W: 32cm - H: 105cm



**Jockey console 2 people**  
L: 219cm - W: 50cm - H: 141cm  
**Jockey console 3 people**  
L: 225cm - W: 50cm - H: 142cm



**Centre console S-500**  
L: 47cm - W: 54cm  
H: 110cm



**Centre console S-500 F**  
L: Xcm - W: 54cm  
H: 110cm



**Centre console S-560**  
L: 75cm - W: 50cm  
H: 128cm



**Centre console S-600**  
L: 46cm - W: 69cm  
H: 155cm



**Centre console S-700**  
L: 45cm - W: 83cm  
H: 163cm



**Centre console S-700 F**  
L: 102cm - W: 110cm  
H: 152cm



**Centre console S-700 PRO**  
L: 76cm - W: 100cm  
H: 182cm



**Centre console S-800 PRO**  
L: 55cm - W: 143cm  
H: 177cm



**Seat with locker S-500 F / S-560**  
L: 81cm - W: 42cm - H: 70cm



**Modular backrest Seat S-600 / S-700**  
L: 45cm - W: 81cm - H: 93cm



**Modular backrest Seat S-700 F**  
L: 54cm - W: 110cm - H: 101cm





**Backrest 1 Person**  
L: 12cm - W: 49cm - H: 109cm



**Backrest 2 people deck**  
L: 50cm - W: 91cm - H: 120cm



**Backrest with tow bar**  
L: 146cm - W: 142cm  
H: 130cm



**Folding seat 2 people**  
L: 105cm - W: 430cm - H: 104cm



**Modular seat 3 people**  
L: 177cm - W: 37cm - H: 113cm  
**Modular seat 4 people**  
L: 230cm - W: 37cm - H: 113cm



**Navigation frame S-400**  
L: 5cm - W: 68cm  
H: 115cm



**Navigation frame S-500**  
L: 5cm - W: 90cm  
H: 115cm

**Navigation frame S-540**  
L: 91cm - W: 101cm  
H: 159cm



**Navigation frame S-600**  
L: 96cm - W: 125cm - H: 159cm  
**Navigation frame S-700**  
L: 97cm - W: 150cm - H: 146cm



**Navigation frame S-700 F**  
L: 97cm - W: 189cm - H: 148cm



**Navigation frame S-600 with ladder**  
L: 96cm - W: 183cm - H: 159cm

**Navigation frame S-700 with ladder**  
L: 97cm - W: 216cm - H: 157cm

**Navigation frame S-800 with ladder**  
L: 108cm - W: 241cm - H: 155cm



**Console frame S-700**  
L: 61cm - W: 95cm - H: 195cm  
**Console frame S-800**  
L: 63cm - W: 156cm - H: 195cm



**Navigation frame with self righting system TX-540**  
L: 131cm - W: 106cm - H: 163cm



**T-top with PVC fabric cover**  
L: 240cm - W: 99cm - H: 202cm



**T-top with GRP fabric cover**  
L: 145cm - W: 121cm - H: 215cm



**Bottle rack 4 units**  
L: 73cm - W: 58cm - H: 76cm  
**Bottle rack 6 units**  
L: 103cm - W: 58cm - H: 76cm



**Bottle rack 10 units**  
L: 164cm - W: 58cm - H: 76cm  
**Bottle rack 12 units**  
L: 193cm - W: 58cm - H: 76cm



**Bottle rack 12 high unit**  
L: 196cm - W: 69cm - H: 130cm



# VANGUARD



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MarreC - Grobis F - 0317



Vanguard boats and all their components are made in the European Union.

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