

BalticworkboatsUS.com



Baltic Workboats US

WAVE PIERCING PILOT BOATS

TIMELINE

Baltic Workboats has been building state of-the-art pilot boats for 16 years. Over the period of time our design office has been growing rapidly and have developed boats that are highly versatile, high speed, efficient, environmental friendly and extra attention is focused on the safety of the crew and working conditions.

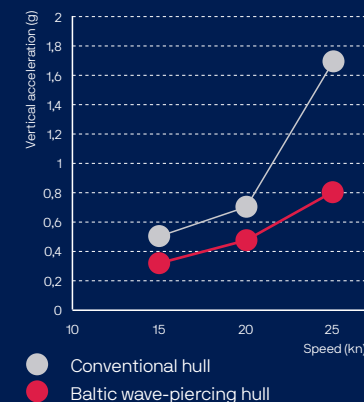


WAVE PIERCING PILOT BOATS

are developed for tasks that require high speed, maneuverability, comfort ride and fuel efficiency in most challenging conditions. Excellent for pilot, patrol or SAR duties.



Significantly reduced vertical acceleration in bow area

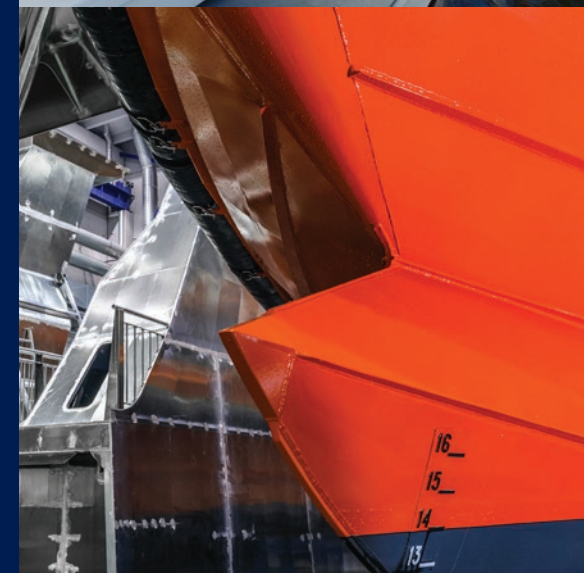


SELF-RIGHTING

Vessels are designed to be self-righting. This capability has been successfully verified in real life tests.



SAFETY FIRST



BALTIC WAVE-PIERCING HULL



HYDRAULIC RESCUE PLATFORM

INNOVATION AND TECHNOLOGY

HULL DESIGN

The hull is specially designed for high sea states. The hull shape is developed to minimize vertical accelerations at high speeds in rough weather conditions. Extra attention is paid to assure excellent control and maneuverability in demanding following sea conditions.

PERFORMANCE

The design has been thoroughly tested in both head sea and rough sea states to deliver exceptional performance and helm control in the most challenging marine environments. The bow is deep and slender for high speed and fuel efficiency, yet the propeller tunnels are designed to have a minimum aft wake not to affect the environment. The maneuverability has considered to turn completely around in just four boat lengths at high speed, while maximum capability is obtained at low speed for safe and efficient docking operations.

PROPULSION CONCEPT

The vessel's formidable power is delivered by best alternative choice for the customer needs.

VIBRATION

The vessel has incredibly low levels of noise and vibration despite the considerable size and power of its engine, as Baltic Workboats has developed an advanced expertise in insulation and interior assembly. The maximum noise levels have been tested in all sailing conditions. Noise level at 25 kn was recorded 63 db.

FUEL CONSUMPTION

The fuel consumption with fixed pitch propellers is up to 30% lower compared to similar vessels operating at the same speed with the same propulsion. The measured fuel consumption of similar vessels designed and built by Baltic Workboats and already in operation has been impressively low in 50 ft and 65 ft Baltic wave piercing pilot boats.

PILOT 1500 WP

Baltic wave piercing fast aluminium pilot boat

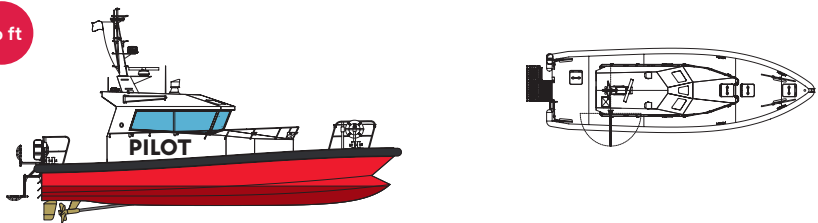


PILOT 2000 WP

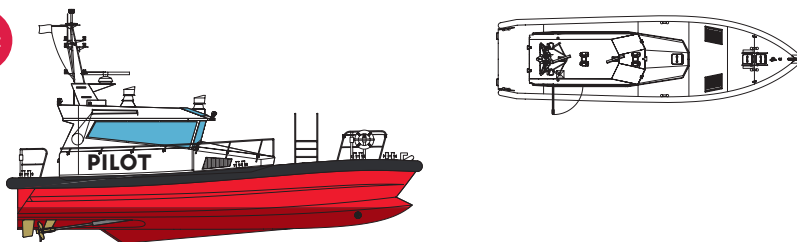
Baltic wave piercing fast aluminium pilot boat



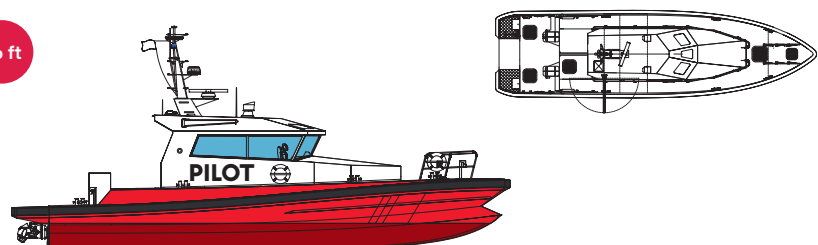
46 ft



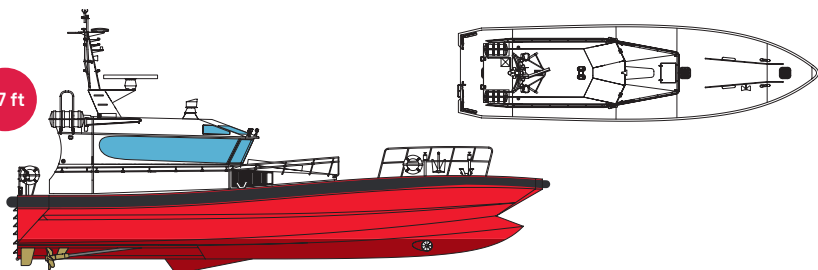
50 ft



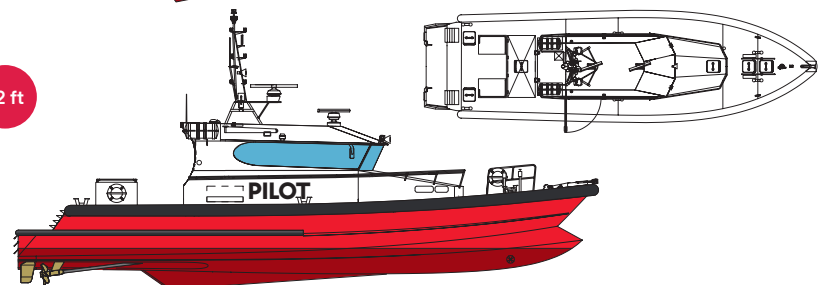
56 ft



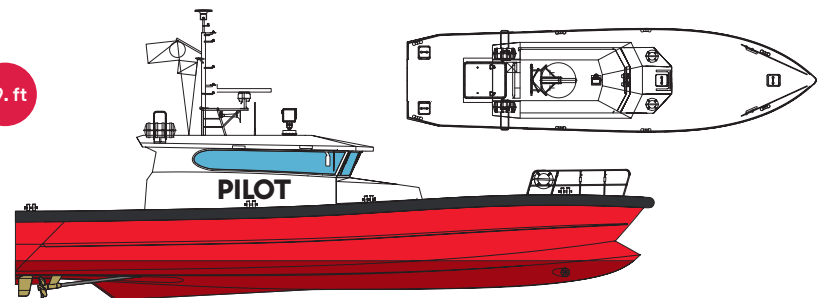
67 ft



72 ft



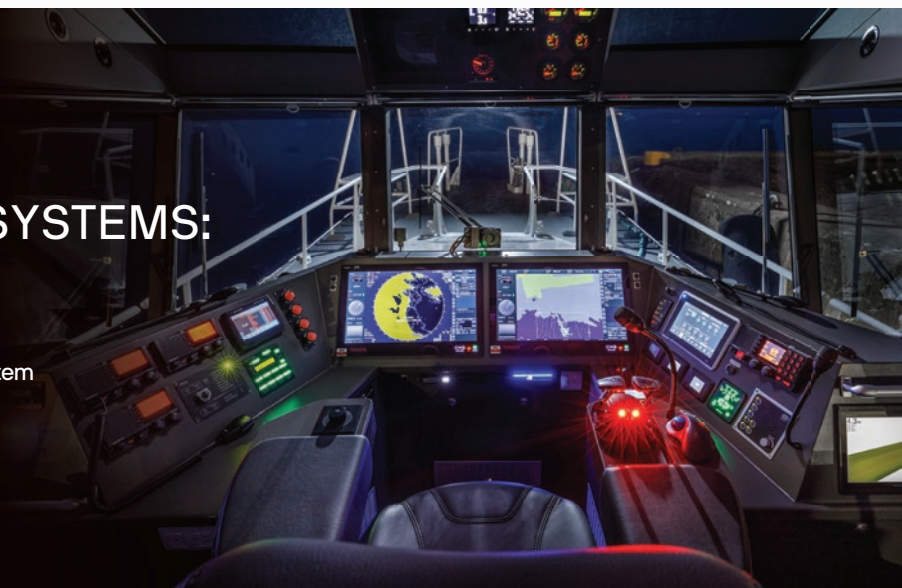
79 ft



MODEL	PILOT 1400WP SS	PILOT 1500WP	PILOT 1700WP	PILOT 2000WP	PILOT 2200WP	PILOT 2400WP
LOA:	14 m / 46 ft	14,95 m / 50 ft	17 m / 56 ft	19,8 m / 65 ft	22 m / 72 ft	24 m / 79 ft
Breadth:	4,6 m / 15 ft	5,1 m / 14 ft	4,7 m / 15 ft	6 m / 19 ft	6,2 / 20 ft	6,4 m / 21 ft
Draught:	1,4 m / 4 ft	1,4 m / 4 ft	1 m / 3 ft	1,4 m / 4 ft	1,5 m / 4 ft	1,5 m / 4 ft
Displacement:	16 t	22 t	28 t	31 t	40 t	55 t
Top speed	23 kn	30 kn	40 kn	30 kn	28 kn	27 kn
Power kW / hp	441 kW / 600 hp	441 kW / 600 hp	662 kW / 888 hp	550 kW / 750hp	550 kW / 750 hp	720 kW / 965 hp
Propulsion	single screw	2 x FPP	2 x waterjet	2 x FPP	2 x FPP	2 x FPP
Engine	Volvo Penta D13	Volvo Penta D13	Volvo Penta D13	Volvo Penta D16	Volvo Penta D16	Volvo Penta D 16
Gearbox	ZF	ZF	ZF	ZF	ZF	ZF
Interceptors	•	•	•	•	•	•
Fuel consumption @ 25kn	108 L / 28,5 gal @ 23 kn	151 L / 42 gal	224 L / 59 gal	179 L / 47 gal	209 L / 55 gal	297 L / 78 gal
Crew/pax.	1 / 6	1 / 6	2 / 12	2 / 12	2 / 12	2 / 12
Range	250 NM	270 NM	300 NM	450 NM	400 NM	350 NM
Noise level dB @ 25kn	62 @ 23 kn	62	62	61,5	61	61
Material	Marine Aluminium					
Fuel tank	1500 L / 390 gal	2000 L / 500 gal	3000 L / 792 gal	3000 L / 792 gal	3000 L / 792 gal	4000 L / 1056 gal
Black water	150 L / 39 gal	150 L / 39 gal	300 L / 79 gal	150 L / 39 gal	500 L / 132 gal	1000 L / 264 gal
Water	50 L / 13 gal	50 L / 13 gal	300 L / 79 gal	150 L / 39 gal	500 L / 132 gal	1000 L / 264 gal

ALL PILOT BOATS CAN BE EQUIPPED WITH ACCESSORY SYSTEMS:

- Coordinated turn
- Seakeeper stabiliser
- BWB online CCTV and monitoring system
- Head, deck and rail heating
- Rescue davit / platform
- Bow Thruster
- Single operation station





SAFETY OF THE CREW

Baltic Workboats has developed a wheelhouse that has created a safe working environment inside and for the crew on the deck. The noise and vibration levels at the wheelhouse are one of the lowest in the industry. The wheelhouse is developed in collaboration with experts from Estonia, Belgium, Sweden, Germany and the UK. The helmsman has a center position with uninterrupted view to the deck at boarding area. Wheelhouse is resiliently but securely mounted to withstand hard impacts or collision. Wheelhouse, windows and the entire structure and machinery of the vessel have been designed and built for safe self-righting for the case of rollover.



ENGINE ROOM



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PRODUCTION FACILITY

balticworkboatsUS.com

BALTIC WORKBOATS HAS UNIQUE EXPERTISE AND EXPERIENCE IN THE DESIGN, DEVELOPMENT AND PRODUCTION.

Baltic Workboats is a growing shipyard with modern facilities and a highly skilled workforce of more than 200 people. Over the last 16 years, we have designed, built and delivered more than 182 highly versatile vessels, which are in service with governments, companies and research institutions around the world. We have been granted both ISO 9001 and ISO 14001 certificates, and are continuously improving production quality and efficiency through the development of enhanced standards and management processes. Our state-of-the-art covered facilities are located in the Baltic Sea on the island of Saaremaa which is renowned for its shipbuilding heritage stretching back thousands of years. Baltic Workboats US Shipyard is located in Tampa, Florida.

At Baltic Workboats, we have brought ship-building into the 21st Century with a major modernization program, complete with considerable new investments in facilities, equipment and skills. Customers around the world now depend on us to deliver highly capable and durable vessels that connect communities, support businesses, protect maritime borders, promote security, carry out search and rescue operations and deliver cutting edge scientific research. Our vessels and their management systems are carefully modified to the unique requirements of customers in different countries, including harbours, pilots, coast guards, police forces, fishery inspections teams and research institutions.

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