

BHO2M



HYDRO-OCEANOGRAPHIC SURVEY VESSEL - 72 m



The Hydro-Oceanographic Survey and Multi-Missions vessel BHO2M is PIRIOU's answer for customers requesting a robust cutting-edge scientific vessel to perform a wide range of missions in EEZ waters.

Able to complete long lasting operations, the BHO2M is designed to perform hydrographic and oceanographic missions such as surveys, sampling of various materials and the related analyses. The BHO2M can also achieve secondary tasks including patrol, humanitarian assistance, special forces or divers deployment as well as Search and Rescue operations.

The integrated scientific system on the BHO2M has been defined with the French hydrographic service (SHOM), taking into account feedback and extensive experience regarding definition, integration and use of scientific instrumentation.

BH-02M



72 m
5,000 NM / 30 days

- Sea proven vessel
- European shipbuilding standards
- Cutting-edge scientific equipment system defined in collaboration with the French hydrographic service (SHOM)
- Scientific equipment compliant with the IHO standard
- Endurance to perform deep sea long lasting missions
- Versatile multimission vessel able to perform many specific tasks through her large deck, handling systems, 2 VERTREP areas and their facilities
- Spacious 360° vision bridge

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MAIN CHARACTERISTICS

Length overall	72.0 m
Breadth	15.0 m
Max. draught	5.0 m
Displacement	2,600 t
Accommodation (crew + special personnel)	30 to 50
Speed	14 kn
Range	5,000 NM @ 10 kn / 30 days
Stabilization	passive system
Hull / superstructure	steel

SPECIAL EQUIPMENT

Hydrographic and oceanographic equipment	
Hydrographic survey boats	2 x 8.4 m
RHIB workboat	1 x 4.5 m
Multibeam and single beam echo sounders	
Side scan sonar	
Hull sound velocity profiler	
USBL positioning system	
Acoustic Doppler current profiler	
Thermosalinograph	
Sub-bottom profiler	
Conductivity temperature depth profiler	
Tide gauge	
Magnetometre	
Sediment profiler and grab	
Gravity corer	
Scientific data processing system	
Weather station	

CLASSIFICATION

BV I ✕Hull ✕Mach, Special service, Unrestricted Navigation
 Multipurpose oceanographic research vessel, ✕AUT-IMS,
 ✕ALM, ✕AVM-DPS, ✕REFSTORE, CLEANSHIP NDO6 days,
 SYS-NEQ, SYS-IBS, SP50, COMF-NOISE 3, COMF-VIB 3

PROPULSION / MACHINERY

Electric propulsion engines	2
Generators + auxiliary	4 + 1
Fixed pitch propellers	2
Rudders	2
Thrusters (aft and bow)	2
Dynamic positioning	

OPERATIONAL FEATURES

Communications, navigation and surveillance	
GMDSS A3	
Operational communications according to requirements	
Navigation equipment according to rules	
Optional EO/IR sensor	
Additional capabilities	
Aft crane	ALM 10 t @ 10 m (SS3)
Fore crane	1 t @ 5.5 m
VERTREP areas	2
20' containers	3
Antipollution system	
Armament	2 x 12.7 heavy machine guns

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