



## Multipurpose Research Vessel

### SHIPOWNER: QATAR UNIVERSITY

#### MAIN PARTICULARS

Length o.a	42.80 m.
Length b.p.p	36.00 m.
Breadth Moulded	10.00 m.
Depth to upper deck	6.30 m.
Depth to main deck	3.90 m.
Design Draft ( max)	4.20 m.
Scantling draught moulded	4.40 m.

#### CAPACITIES

Fuel oil	approx. 240 m <sup>3</sup>
Fresh water	approx. 45 m <sup>3</sup>
Ballast water	approx. 50 m <sup>3</sup>
Lub/hydraulic oil	approx. 12 m <sup>3</sup>

**CLASSIFICATION** : LR \* 100A1, UMS, DP I , COMF-C(3)-V(3), LMC

#### SPEED

14 knots

#### COMPLEMENT:

Crew up to 30 persons

#### POWER

Main engine	2 x 1600 kW 1000 rpm
Auxiliar engines	3 x 250 kW
PTI	2 x 160 kW

#### PROPELLERS AND TRHUSTERS

2 X 4 x 2300 mm diam. blade controllible pitch propeller

1 X 200 kW (aft) and 1 x 250 kW (bow)

#### ACOUSTIC SCIENTIFIC EQUIPMENT

Thermosalinity meter and continuous salt water flow  
Dynamic positioning  
High resolution multi-beam sounder  
Acoustic Doppler current profiler  
Side scan sonar and sub-bottom profiler  
Sound speed sensor in surface  
ROV and acoustic positioning system  
Attitude and position system

#### SCIENTIFIC WINCHES

CTD manoeuvring winch  
Plancton samples extracting winch  
Bottom Sample recovery winch  
Traction winches (Fishing)  
3 electro hydraulic A-frames and 2 davits

#### SCIENTIFIC AREA-LABORATORIES

Main laboratory (Acoustic)  
Wet laboratory  
Chemical lab.  
Biological lab.  
ROV & diving room  
De-compression chamber

#### CRANES

2 electro hydraulic cranes



**FREIRE**  
SHIPYARD

OHSAS 18001

BUREAU VERITAS  
Certification



ISO 9001

BUREAU VERITAS  
Certification



ISO 14001

BUREAU VERITAS  
Certification

