



## SANNA Research Vessel for Greenland's Institute of Natural Resources

OSK File No. 100900

This vessel, which was delivered from Karstensens Shipyard A/S in Skagen, Denmark in 2012, is primarily intended for fishery research, but will also be used for climatic and environmental investigations along the West coast of Greenland. The vessel is outfitted to carry out trawling, net, line and ground basket fishing. On board are wet and dry laboratories as well as an observation platform, an A-frame for handling various equipment for collection of samples. Furthermore there is space for two 10' and one 20' containers and accommodation for 6 crew and 10 biologists. The vessel is equipped with modern electronic navigation and communication equipment for service in Northern sea areas, where satellite coverage is not always available.

### Main Dimensions

|                |   |
|----------------|---|
| Length overall | 32.30 m                                     |
| Draught        | 4.8 m                                       |
| Deadweight     | 458 GT                                      |
| Engine         | Cummins K38-M Tier 2 (1000 HP)              |
| Aux. Engine    | Cummins QSM 11D (220 KW as generator plant) |
| Speed max      | Max 12 knots                                |

### The following work has been carried out by OSK-ShipTech A/S:

#### Conceptual-basic design incl.:

Tender docs +contract negotiations  
 Technical specification  
 General Arrangement  
 Hull lines & optimization by CFD  
 Preliminary weight & stability  
 Machinery & outfitting configuration  
 Accom plans incl. laboratories  
 Arrangement of research equipment  
 Class drawings steel structures

#### Supervision incl.

Plan approval  
 Site management and liaison with shipyard  
 On-site supervision and trials

#### Basic design for production:

Production drawings  
 System diagrams  
 Arrangement plans incl. integration of research equipment  
 Class and flag state statutory plans  
 Weight and stability  
 Outfitting details  
 Machinery  
 Deck Navigation arrangements and equipment  
 Fire & safety plans and equipment



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