

## **PRESS RELEASE MV “REBECCA” FR143**

The latest completion by Macduff Shipyards Limited is the “Rebecca” for skipper Adam Tait, who operates through Westward Fishing Company.

This is a new model, developed to the skippers requirements.

Adam wanted a similar fishroom capacity to the previous 18/19 metre vessels built by the yard, but the vessel had to be more fuel efficient by developing a design which was easier to push through the water.

Through consultations with a technical institution the yard has developed a longer bulbous bow, which, in conjunction with a raked stem and finer forward lines should deliver a design to match the owners expectations.

The move away from Vessel Capacity Units in which overall length was a major factor, to a system where only Gross Tonnage and Kilowatts are used also helped in developing a design with more pronounced stem rake.

The hull form is double chine, with a box type ballast keel.

Dimensions	Length Overall	21.22m
	Length Registered	20.22m
	Breadth Extreme	7.00m
	Depth Moulded	3.90m
	Tonnage	191
Capacities	Oil Fuel	18500 litres
	Fresh Water	12000 litres

Macduff Profilers, a division of Macduff Shipyards Limited out the steel kit from cutting information prepared by Macduff Ship Design Limited, and the vessel was built in Macduff.

The steel deckhouse is fitted rail to rail athwartships and the steel shelterdeck is formed as an extension of the hull without a rail line.

The shelterdeck is all weathertight except for the aft net handling area.

Layout below deck from forward – forepeak c/w chain locker, fishroom, engineroom, and cabin with steering gear compartment.

Cont/

Page 2/

Layout on main deck from forward – winch room, fish handling area, deckhouse, and net handling area.

The main engine is a Caterpillar 3412CTA rated 650HP at 1800RPM with a Reintjes WAF374L reverse reduction gearbox with 7.476:1 reduction ratio, driving a 1900mm diameter 4 blade Lips propeller in a Lips nozzle.

A Cummins 6CTA8.3M auxiliary engine is fitted on the port side, and is arranged to drive the hydraulic pumps for the deck machinery. The engine is heat exchanger cooled and is rated 255HP at 1800RPM, with variable speed control from the wheelhouse.

Two Cummins 6BT3.9DIM 58kw 415/3/50 generator sets are fitted on the starboard side, with one fitted with a deadship start.

The Caterpillar main engine and the two Cummins generators are arranged for keel cooling, with Fernstrum gridcoolers supplied by Kort Propulsion Co Ltd.

The sterngear was manufactured by the Yard and is fitted with Deep Sea Seals.

The Caterpillar main engine was supplied by Finning Limited.

The Cummins engine for driving the hydraulics was supplied direct from Cummins, but the two Cummins generator sets were supplied by Beta Marine Ltd.

A FloScan fuel monitor is fitted.

Remote fuel tank capacity indicators are fitted in the wheelhouse.

The deck machinery package is as follows

- 1 – Macduff 3 drum trawl winch
- 2 – Macduff split net drums
- 1 – TMA Gilson winch
- 1 – Thistle MKB7 kinked boom short post crane c/w powerblock
- 1 – Thistle MFB8 straight boom discharging crane c/w winch
- 1 – curved towing bar and carriage
- 1 – standby pump c/w Stromag clutch from main engine

Cont/

Page 3

A Thrustmaster hydraulic bow thruster is operated off the deck machinery hydraulics.

Electrics and galley equipment by R D Downie, Fraserburgh

Fire doors by Promat UK Ltd

Wheelhouse door and casing doors by Libra Plast A/S Norway

Fishroom insulation by Patsy Bruce, Fraserburgh

Steering gear by Scan Steering A/S, Denmark

Controls by Kobelt Ltd

Fire appliances by Mackenzie Fire Protection Ltd

LSA by Blue Anchor Fire and Safety Limited

Wheelhouse windows by HK van Wingerden & Zn BV, Holland

Compass, clocks and barometer by T Gunn, Aberdeen

24v alternators by Transmotor APS, Denmark

Fish handling system by Macduff Shipyards Limited

Fishroom cooling and ice maker by Premier Refrigeration Ltd

Paint by International Paints Ltd

Wheelhouse seats by Norsap, Norway

Motor driven bilge/deckwash pumps by Bombas Azcue SA, Spain

Fuel filter/separator by CC Jensen

Pressure washer by Sellarc Southern Ltd

Exhaust mounts by A V Mounts UK Ltd

Cont/

Page 4

For details of fishing gear contact Westward Fishing Company

Electronic equipment by Woodsons of Aberdeen Ltd

#### Radio Telephones

Icom M801 Class E MF/HF SSB c/w  
HS50 telephone handset  
2 x Sailor RT2048 VHF c/w H2063 flush kit  
Icom M421 Class D GMDSS VHF  
2 x deck horn speakers for VHF and MH/HF

#### GPS/GPS Gyro

Koden KGP-913D DGPS receiver  
Koden KGP-913 GPS receiver  
Furuno SC30 GPS Gyro

#### Echosounder

WASSP WWB-160F-SCT multi-beam sounder c/w  
160 KHZ multi-beam transducer  
Koden CVS-833L dual frequency sounder c/w  
50/200KHZ transducer

#### Plotter

Sodena Turbowin Plotting System  
Olex Plotter

#### Radar

Koden MDC 810BS radar c/w 6ft scanner  
MRE330 MARPA interface  
Koden MDC1840BT radar c/w 4ft scanner  
MRE 330 MARPA interface

#### Autopilot

Navitron NT921 MK11 c/w watch alarm  
Scan DE180 gyro repeater

Cont/

Page 5

Talk- Back

Raymarine Ray430 system c/w  
2 deck speakers and 4 internal speakers

CCTV System

System c/w 2 monitors, 6 cameras and 8 way switching unit

Inmarsat C

Sailor TT3000E GMDSS mini C system c/w  
message terminal, keyboard and printer

Satellite Television

Sea Tel coastal 3004 satellite TV system

Satellite Telephone

Globestar satellite telephone system

Emergency

McMurdo E5 smartfind EPIRB  
Icom GM1600 GMDSS hand held VHF  
NAV-6 dual Navtex

Monitor trackball switching

Matrix 8 way switch  
6 way keyboard/trackball switch