

Offshore Supply  
Emergency Response and Rescue  
Infrastructure Support  
Oceanographic & Government Patrol

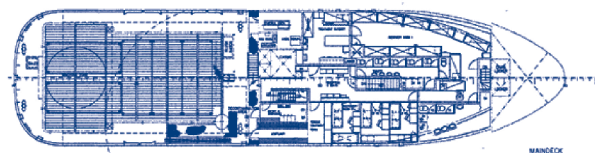
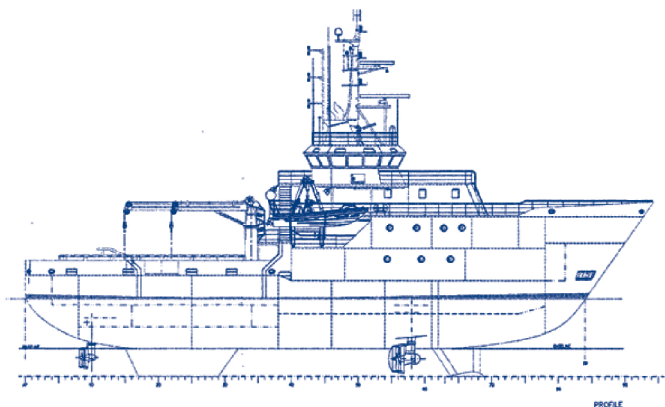


**SK DESIGN**

**Grampian Ranger**

**Build Yard** > Russia & Poland

**Date of Build:** 2002



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# Emergency Response and Rescue Vessel

## Specifications

## Oil & Gas UK Category B ERRV

### DIMENSIONS

LOA	47.10 metres
LBP	40.50 metres (approx)
Breadth Moulded	11.0 metres
Draft Loaded / Depth	6.3 metres

### TONNAGE

GRT	830 Tonnes
NRT	249 Tonnes
DWT	564 Tonnes

### CAPACITIES AND CRANES

Fuel Oil (MGO) / Connection	490 m <sup>3</sup>
Fresh Water / Connection	190 m <sup>3</sup>
Ballast Water	Approx 350 m <sup>3</sup>
Oil Based Mud / Connection	N/A
Brine / Connection	N/A
DMA (Base Fluid) / Connection	N/A
Dry Bulk(s) / Connection	N/A
Deck Area	Approx 120 m2 (wood sheathed deck)
Deck Loading	2 Tonnes per metre <sup>2</sup>
Deck Crane # 1	3.55T @ 9 metres
Deck Crane # 2	N/A
Deck Crane # 3	N/A
Winch	N/A
Wire Reel	N/A
Deck Tuggers	N/A

### ENGINES/THRUSTERS/AUX

Main Engine(s)	2 x CAT 3512 units @ 1215 BHP each
Propeller(s)	2 x FPP Azimuths (fwd)
Bow Thruster(s)	As above
Stern Thruster(s)	1 x Stern Azimuthing unit (Elec)
Rudder Systems / Type	N/A (vessel outfitted with 3 x Azimuths)
Aux Engines	2 x Cat 3408 (307 kW per unit)
Shaft PTOs	N/A
Emergency Generators	1 x Cat 3304

### CONTROL SYSTEMS AND DYNAMIC POSITIONING

Control Positions	Fwd, Aft consoles
Full Manual Control	Fwd & Aft consoles
Integrated Joystick Control	N/A
Joystick Control	N/A
Dynamic Positioning System	N/A
Fan Beam Laser	N/A
DGPS # 1	N/A
DGPS # 2	N/A
Hydro Acoustic Pos Ref # 1	N/A
Hydro Acoustic Pos Ref # 2	N/A
Vertical Taut Wire	N/A

### RESCUE AND EMERGENCY RESPONSE EQUIPMENT

Daughter Craft Davit # 1	N/A
Daughter Craft	N/A
Fast Rescue Craft Davit # 1	Hydralift Heave dampened Davit
Fast Rescue Craft	Norsafe NDA 40 - 15 Man (Diesel waterjet)
Fast Rescue Craft Davit # 2	Hydralift Heave dampened Davit
Fast Rescue Craft	Norsafe NDA 40 - 15 Man (Diesel waterjet)
Dacon Scoop	7 Metre Dacon Scoop
Dacon Rescue Crane	3.55t @ 9m
Cosalt Rescue Basket	Fitted & Launched from aft deck
Jason Cradles Frames	Fitted
Winch Area	Located on Aft Main Deck
Emer. Towing Capability	Towing Hook Fitted
Dispersant Tanks	2 x 5 Tonne Tanks
Dispersant Spray Booms	Fully outfitted Port & Starboard
Searchlights	Fitted

### NAVIGATION AND COMMUNICATION EQUIPMENT

Radar(Fwd)	Bridgemaster ARPA (S)	Bridgemaster (X)
Radar Rptr (Aft)		N/A
ECDIS		N/A
PLB System		N/A
DGPS(s)		2 x Litton LM 420
Gyro(s)		Sperry SR 180
Autopilot		Litton
Magnetic Comp		Fitted
Echo Sounder		Sperry ES 5000
Digital Depth Recorder		N/A
Navtex		Fitted
Sat Comms	Inmarsat C Felcon, Fleet 77 CapSat (A3)	
MF/HF Radio		Fully fitted (A3)
UHF		3 x UHF Units
VHF (Fwd)	1 x Sperry RJ4822 VHF, ICOM ICM 401E	
VHF (Aft)	1 x Sperry RJ4822 VHF, ICOM ICM 401E	
Helo Radio		ICOM IC A110
AIS		Jotrun AIS TR 2500
VHF Direction Finder		Taiyo TDL 1550
Doppler Log		Furuno DS 80
SSAS		Furuno Felcom
Portable VHF		3 x Jotrun GMDSS
Portable VHF		6 x ENTEL HT 640 VHF
Portable UHF		3 x ENTEL HT 880 UHF
Portable UHF		2 x Kenwood UHF
Sonic Helmets		4 x Sonic Helmets Mk 10
Smartpatch Phone		ICOM PS1

### CREW FACILITIES

Crew Cabins	12 Man Single Berth cabins c/w en suite facilities
Recreation & Leisure	1 Messroom, Sat TV System