

# Specifications



## Moonrise-G

Seismic Research Support Vessel

### Main Particulars

Builder:	Sealink Shipyard SDN BHD
Year built:	2013
Flag:	Panama
IMO Number:	9628520
MMSI:	352432000
Call Sign:	HPEW
Minimum Safe Manning:	9
Classification:	RINA
Notation:	C ⚡, SPS

### Dimensions

L.O.A.:	59.90m
Breadth:	16.50m
Dept:	6.80m
Draught:	5.40m
Nett Tonnage:	651t
Gross Tonnage:	2170t

### Performance

Max Speed:	12 knots
Approx. Consumption at Max Speed:	15m <sup>3</sup>
Eco Speed:	10 knots
Approx. Consumption at eco Speed:	12.5m <sup>3</sup>
Type(s) and Grade(s) of Fuel Used:	MGO low Sulphur
Endurance:	60 days

### Machinery

Generators:	1x Leroy Somer 800kW@1500RPM
Emergency Generator:	1x Cummins 80kW/100KVA 240/415v 50HZ
Main engine:	2x Cummins 2298.93BHP@1715kW at 1900RPM
Aux. Engines:	2x Cummins 355HP/265kW
Propeller:	2x CPP in Fixed Nozzles
Rudder:	2x Becker Rudder
Bow Thruster:	1x 8t Tunnel Thruster 600kW

### Deck Equipment

Deck Crane:	10t@16.5m
Windlass	7.5t x 15m/min
Capstan	2x 5t aft PS & SS)
Workboat Davit:	Vestdavit 12t SWL
Twin Hose Reel	2x 240m, 5"hose with 4" TODO
Cable Reel:	1x 8000m
Reefers:	3x 20ft, 15V/3ph/50Hz
Towing Hook:	65t SWL
Yoko Fenders:	2x 4.0 x 3.0

### Special Features

Bollard Pull:	50t
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### Communication Equipment

GMDSS:	A1-A2-A3
SBB Radio:	1x FS-2575
MF/HF Radio:	1x FS-2575C
VHF Radio:	3x FM8900S
Portable VHF:	6x HT-644 Marine
Inmarsat Sat-C:	2x Felcom 18
IRIDIUM:	881677765587
AIS:	1x FA-150
E.P.I.R.B.	1x Class II

Radars:	2x FR-2117 ARPA
GPS Navigation:	2x Furuno
Echo Sounder:	1x FE-700
Navtex:	1x NX-700
Gyro Compass:	CMZ900 YOKOGAVA
Magnetic Compass:	1x Seistil SR4
Auto Pilot Fwd:	1x AP-70
Auto Pilot Aft:	1x AP-70
Electronic Charts:	1x Main, 1x Back up
Anemometer:	1x YOUNG

### Bunker/Storage capacity

MGO:	449m <sup>3</sup>
Cargo Fuel:	994m <sup>3</sup>
Fresh Water:	380m <sup>3</sup>
Dirty Oil:	13.4m <sup>3</sup>
Lube Oil Storage:	10.6m <sup>3</sup>
Sewage Holding:	29.9m <sup>3</sup>
Grey Water:	31.1m <sup>3</sup>
Sludge:	19.1m <sup>3</sup>
Thermal Fluid:	10.6m <sup>3</sup>
SW Balast:	893.7m <sup>3</sup>

### Storage capacity

Cool store:	20' container
Freeze Store:	20' container
Dry Storage:	20' container
Clear Deck:	300m <sup>2</sup>

### Accommodation

Berths:	59
Cabins:	21
Hospital:	1

### Safety Equipment

Rescue Boat:	6 Person Rigid-hull on A Frame Davit
Life Rafts:	8x 25 persons