

## Main Details:

# Specifications Seismic Research Support Vessel "Moonrise-G"



**Year of construction:** 2013  
**Vessel Name:** "Moonrise-G"  
**Owner:** Rederij Groen BV  
**Flag:** Panama  
**IMO Number:** 9628520  
**Call Sign:** HPEW  
**MMSI:** 352432000  
**Class :** ABS A1, AMS, SPS code

### Dimensions:

L.o.a : 59.90 mtrs.  
 Width : 16.50 mtrs.  
 Draught : 5.40 mtrs  
 Net Tonnage : 651T  
 Gross Tonnage : 2170T

### Generator(s):

Shaft Generator : 1x Twin Disc 800 kW @1500RPM  
 Emergency Gen. : 1x Cummins 80kW/100KVA.  
 240/415V 50 Hz

### Main engine(s):

Cummins : 2x 2298.93 BHP @ 1715kW  
 At 1800 RPM

### Auxiliary Engines:

Cummins : 2x 355HP/265kW

### Propulsion system:

Propeller : 2x CPP in Fixed Nozzles  
 Rudder : 2x Becker Rudder

### Bow Thruster(s):

Schottel 1x 8 tons Tunnel Thruster 600kW

### Anchor(s):

2 x HHP Stockless Anchors 1720 kg  
 10 shackles of Anchor Chains 27.5m Dia. 42 mm

### Deck Equipment:

Windlass : Rating: 7.5T X 15m/min  
 Capstan : 2x 5.0 Ton (aft PS & SS)  
 Reefers con. : 3x 20 ft. 15V/3ph/50Hz  
 Twin Hose reel : 2x 240m 5" hose with 4"Todo  
 Cable Reel : 1x 8000 m  
 Towing Hook : 65 SWL  
 Bollard pull : 50T  
 Deck Crane : 10 ton @Max outreach 16.5 mtr  
 Workboat Davit : Vestdavit SWL 12 Ton  
 Yoko Fenders : 2x 4.0 x 3.0 m

### Safety Equipment:

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

### Communication Equipment:

GMDSS Compl. : A1 – A2 – A3  
 Sat Comm. : FBB / VSAT (Thrane & Thrane)  
 : VSAT

### Cargo Handling Equipment:

Cargo Fuel Pump : 1x 184 m³/h @ 96m head  
 : 1x 120 m³/h @ 75 head  
 Cargo FW Pump : 1x 100 m³/h@60m Vertical  
 Ballast Pump : 1x 100 m³/h@60m Vertical  
 FW Maker : 2x 5000 Ltrs/day

### Bunker/Towing/Storage capacity:

Fresh Water : 617.9 m³  
 SW Ballast : 893.7 m³  
 MGO : 344.4 m³  
 HFO Cargo : 994.3 m³  
 Dirty Oil : 13.4 m³  
 Oily water : 29.9 m³  
 Lube Oil Storage : 10.6 m³  
 Sewage Holding : 29.9 m³  
 Grey water : 31.1 m³  
 Sludge : 19.1 m³  
 Thermal Fluid : 10.6 m³  
 Clear Deck : 300 m²  
 Deck Cargo : 800 m³

### Speed:

Max Speed : 12.0 knots @ 1800 revs  
 Eco Speed : 10.0 knots @ 1600 revs

### Accommodation (fully air conditioned):

Accommodation : 59 pers. total (21 cabins)  
 Other : 1x Hospital

### Contact details:

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 (back up only)