

Specifications Seismic Research Support Vessel “7-Waves”



Year of construction: 2014
Vessel Name: 7-Waves
Owner: Rederij Groen II BV
Flag: Panama
IMO Number: 9714185
Call Sign: HP 5141
MMSI: 353922000
Class: Lloyds Register, IACS
Notation : Q 100A1,
Seismographic
Support Ship
Ice Class 1^E
UMS, LMC

Dimensions:

Lenght OA : 35,00 Mtrs.
 Lenght PP : 29,10 Mtrs
 Beam : 8,70 Mtrs.
 Draught : 3.20 Mtrs.
 Depth : 4.25 Mtrs.
 Design Speed : 12 kts.
 Gross Tonnage : 338 Grt
 Bollard Pull : 17.9 Ton

Generators:

Caterpillar : 3x C18 TA SCAC
 : 465Kva@1800Rpm
 : Insight monitoring

Propulsion system:

Propellers : 2x Thruster 600 Bhp
 Bow thruster : 1x Veth VT-80 90 kW

Anchor(s):

Anchor : 2x HHP 495 kg
 Chain : 302.5 mtr x 22 mm dia.

Cranes:

Deck Crane : 1x 2t @ 10.5 Mtrs.

Safety Equipment:

Liferafts : 4x 16 persons (SOLAS)
 Fifi : 2x General service pump
 : 25 m³/h
 : 1x Portable emergency fire
 pump

Communication Equipment:

GMDSS A4 : 1x Sailor-6310 (DSC)
 VHF Radio : 2x Sailor-6222
 : 1x Sailor-6248
 Portable VHF : 2x Jotron TR 20
 Immarsat Sat-C : 1x Sailor-6110
 AIS : 1x Furuno FA-150
 EPIRB : 1x Jotron Tron-40S MKII
 Iridium : Pilot open port
 V-Sat : Sailor 900 Ku-Band

Navigation Equipment:

Radar : 2x Furuno FAR 2117
 Mag. Compass : 1x Cassens & Plath
 Sat Compass : 1x Furuno SC50
 Auto Pilot : 1x Simrad AP80
 GPS Navigation : 1x Furuno GP-150
 : 1x Furuno GP-33
 Echo Sounder : 1x Furuno FE 700
 Navtex : 1x Furuno NX700B
 Electronic Charts : 2x Maris Dual Ecdis 900
 Gyro Compass : 1x Anschütz BST 2233

Bunker/Towing/Storage capacity:

Fuel Oil : 150 m³
 Fuel Transfer : 4" TODO
 Fresh Water : 50 m³
 F. W. Maker : 5.3 m³/day

Storage capacity:

Cool Store : 4,3 m³
 Freeze Store : 4,3 m³
 Clear Deck : 103.3 m²

Accommodation (fully air conditioned):

Total Capacity : 16

Special Features:

Towing Hook : 1x Mampeay 18/25 t
 Bollard Pull Test : 17.9 Ton