

LINDE-G

Seismic Research Support Vessel



Specification Sheet

Main Particulars

Builder:	De Hoop Engineering BV
Year built:	2018
Flag:	Marshall Islands
IMO Number:	9731298
MMSI:	538008216
Call Sign:	V7A2093
Minimum Safe Manning:	6
Classification:	Lloyds Register
Notation:	✠100A1 SSC Patrol, MONO, G6, MCH, UMS, DP(AM)

Dimensions

L.O.A.:	57.65m
Breadth:	9.0m
Dept:	4.50m
Draught:	3.1m
Nett Tonnage:	148t
Gross Tonnage:	496t

Performance

Max Speed:	20.5 knots
Approx. Consumption at Max Speed:	0.6m ³
Eco Speed:	13 knots
Approx. Consumption at eco Speed:	0.130m ³
Guard / Standby	5 knots
Approx. Consumption at Guard / Standby duties:	0.033m ³
Type(s) and Grade(s) of Fuel Used:	MGO low Sulphur
Endurance:	30days
Fuel economy:	Hull Vane fitted Diesel electric drive consumes approx. 75kW at 5hrs fuel consumption monitoring

Machinery

Main engine:	2x 2350 kW Caterpillar 3516C Diesel-Electric drive 2x 350kW
Propellers:	2x fixed pitch
Rudders:	2x 90° maneuvering, 2x 40°@DP
Trusther Bow:	1x Veth/Rotor 135kW@1800rpm
Shaft Generator:	LeRoy Sommer 800kW@1500rpm
Aux power:	Stamford 300kW/375kVA Stamford 99kW/123kVA

Deck Equipment

Crane:	2t@14m, 50m/min@1t
Workboat Davit:	12t Vestdavit
Rescue Net:	Dacon Scoop
Rescue zones:	Gate+swing ropes in PS & SB Bulwarks
TS-Dip winch:	Pomek DW 500 SS, with 2000 mtr dynema rope

Navigation Equipment

DP System:	DP1- Navis
References:	2x DGPS in C-NAV 3050 1x Glonass Trimble SPS351
Joystick system:	Navis C-Joy, bridge mounted & remote control units
Electronic Charts:	2x ECDIS Transas Navisailor 4100
Radars:	2x JRC JMR 5410 X-Band
Satelite Compass:	1x JRC JLR 21
Automatic Pilot:	1x Navis (intergrated in DP system) 1x Alphapilot (stanalone pilot)
Echo Sounder:	1x JRC JFE 380
Navtex:	1x JRC NCR 333
Magnetic compass:	1x Apathron SR4
Gyro Compass:	Alphatron (Alphacorse G)
Search Light:	1x Forward facing 1000 watt 1x aft facing watt
CCTV:	Engine spaces/Public areas/workdeck/Pax area
ADCP/Current meter:	Nortek VMCP 600 khz Incl. Interface box and dedicated bridge pc for client usage with prewired gyro and gps interface.

Bunker/Towing/Storage capacity

Fuel Transfer:	4" TODO
Fuel Oil:	164.0m ³
Fresh Water:	44.0m ³ per day
F.W. Maker:	2x RO watermakers @ 8m ³ / 24 hr each

Storage capacity

Cool store:	8.7m ³
Freeze Store:	6m ³
Clear Deck:	approx. 160m ³
Seawage holding:	27.9m ³
Deck Container:	2x 10 ft storage containers fitted (Additional container slots are available for client equipment)

Accommodation

Accommodation:	2x single (1P) cabins 2x double(2P) cabins 2x four persons (4P) cabins All cabins fitted with ensuite shower / toilet. All cabins fitted with wired LAN and WiFi
Passengers:	55 passenger seats Storage racks for hand luggage Buffet with coffee / Tea / water / softdrinks TV monitors for SAT TV or Video presentations

GRÖEN

Offshore, Guard & Support

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Communication Equipment

Trading Area:	A1,A2,A3
MF/HF Radio:	1x JRC JSS 2150
VHF DSC Radio:	3x Sailor RT 6222
Immarsat Sat-C:	2x JRC JUE 87
AIS:	1x JRC JHS 183
EPIRB:	1x Mc Murdo G8
Portable UHF:	2x Sailor SP 3560
Portable VHF	2x Sailor SP3520, 2x Entel HT644, 2x Entel HT98
Iridium:	IOP Pilot with back up email
Internet Broadband:	Starlink System
PA System	Alphaconnect
Satelite Television:	KVH M9

Safety Equipment

Life rafts:	6x Survetic ESR 25 person capacity
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