

Specifications



Astra-G

Seismic Research Support Vessel

Main Particulars

Builder:	Scheepswerf Maaskant
Year built:	2013
Flag:	Panama
IMO Number:	9648491
MMSI:	352986000
Call Sign:	HP8120
Minimum Safe Manning:	5
Classification:	Lloyds Register
Notation:	Q 100A1, Ice Class 1E EP UMS, SCM, IWS, [Q] LMC

Dimensions

L.O.A.:	40m
Breadth:	8.7m
Dept:	4.6m
Draught:	3.3m
Nett Tonnage:	149t
Gross Tonnage:	499t

Performance

Max Speed:	14 knots
Approx. Consumption at Max Speed:	9m ³
Eco Speed:	9 knots
Approx. Consumption at eco Speed:	5m ³
Type(s) and Grade(s) of Fuel Used:	MGO low Sulphur
Endurance:	90 days

Machinery

Generators:	Caterpillar: 3x C4.4 99 kW
Bow Thruster(s):	1x Veth VT 100, 110 kW
Propellers:	2x Fixed pitch propeller
Rudders:	2x Fishtail rudder
Main engine:	2x C32 ACERT 970 kW

Deck Equipment

Deck Crane SWL/Lenght:	1x 2t@ 10.5 m
Mob Crane:	1x 1t@ 3.5m

Communication Equipment

Trading Area:	A1, A2, A3
GMDSS:	1x Sailor 6222
VHF Radio:	1x 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

Radars:	2x Furuno FAR-2117
Magnetic Compass:	1x Cassens & Plath
Satelite Compass:	1x Furuno SC50
Automatic Pilot:	1x Anschutz Pilotstar D
GPS Navigation:	1x Furuno GP-150 1x Furuno GP-33
Echo Sounder:	1x Furuno FCV1100
Navtex:	1x Furuno NX700B
Electronic Charts:	Maris ECDIS 900 dual
Gyro Compass:	1x Cassens & Plath type 11

Bunker/Towing/Storage capacity

Fuel Oil:	230m ³
Fuel Transfer:	4" TODO
Fresh Water:	35.5m ³
F.W. Maker:	5.3m ³ /per day

Storage capacity

Cool store:	8m ³
Freeze Store:	8m ³
Clear Deck:	105.2m ²

Accommodation

Berth:	2x 1 pers, 6x 2 pers
Total:	14
First Aid Room:	1

Safety Equipment

Life rafts:	4x 16 persons (SOLAS)
FiFi:	2x General service pump 25m ³ /h 1x Portable emergency fire pump
MOB:	6 persons

Special Features

Towing Hook:	1x Mampeay 18/25t
Bollard Pull:	21.3t