

# Specifications

## Seismic Support Vessel

### “Astra-G”

**Year of construction:** 2013  
**Vessel Name:** Astra-G  
**Owner:** Rederij Groen BV  
**Flag:** Panama  
**IMO Number:** 9648491  
**Call Sign:** HP 8120  
**MMSI :** 352986000  
**Class:** Lloyds Register, IACS  
**Notation :** Q 100A1, Ice Class 1E  
 EP UMS, SCM, IWS,  
 [Q] LMC

#### Dimensions:

Loa : 40.00 Mtrs.  
 Lpp : 36.80 Mtrs.  
 Beam : 9.30 Mtrs.  
 Draught : 3.30 Mtrs.  
 Depth : 4.60 Mtrs.  
 Design Speed : 14 kts.  
 Gross Tonnage : 499  
 Bollard Pull : 21 Ton

#### Main engine(s):

Caterpillar : 2x C32 ACERT 970 kW  
 : Insight monitoring

#### Generators:

Caterpillar : 3x C4.4 99 kW  
 : Insight monitoring

#### Propulsion system:

Propellers : 2x Fixed pitch propeller  
 Rudders : 2x Fishtail rudder  
 Bow thruster : 1x Veth VT-100 110 kW

#### Anchor(s):

Anchor : 2x HHP 675 kg  
 Chain : 357.5 mtr x 26 mm dia.

#### Cranes:

MOB Crane : 1x 1t @ 3.5 Mtrs.  
 Deck Crane : 1x 2t @ 10.5 Mtrs.

#### Safety Equipment:

MOB : 6 persons  
 Liferrafts : 4x 16 persons (SOLAS)  
 Fifi : 2x General service pump  
 25 m<sup>3</sup>/h  
 : 1x Portable emergency fire  
 pump



#### Communication Equipment:

GMDSS A3 : 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

#### Navigation Equipment:

Radar : 2x Furuno FAR 2117  
 Mag. Compass : 1x Cassens & Plath  
 Sat Compass : 1x Furuno SC50  
 Auto Pilot : 1x Anschutz Pilostar D  
 GPS Navigation : 1x Furuno GP-150  
 : 1x Furuno GP-33  
 Echo Sounder : 1x FCV1100  
 Navtex : 1x Furuno NX700B  
 Electronic Charts : 1x Maris Dual Ecdis 900  
 Gyro Compass : 1x Cassens & Plath type 11

#### Bunker/Towing/Storage capacity:

Fuel Oil : 230.0 m<sup>3</sup>  
 Fuel Transfer : 4" TODO  
 Fresh Water : 35.5 m<sup>3</sup>  
 F. W. Maker : 5.3 m<sup>3</sup>/day

#### Storage capacity:

Cool Store : 8 m<sup>3</sup>  
 Freeze Store : 8 m<sup>3</sup>  
 Clear Deck : 105.2 m<sup>2</sup>

#### Accommodation (fully air conditioned):

Total Capacity : 14  
 Berths : 2x 1 pers., 6x 2 pers.  
 : 1x First aid room.

#### Special Features:

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