

HAVILA AURORA

74.87m Multipurpose Seismic Survey Vessel



Vessel Flag and Class

Design	MT 6009 MK II
Vessel Type	Seismic Research Vessel
Vessel Name	Havila Aurora
Built by	Havyard Tomrefjord
Port of Registration	Nassau
Flag	Bahamas
MMSI	311 022 300
IMO No.	9418664
Official No.	800 1644
Delivery date	July 2009
Class	DNV +1A1, Eo, SF, dk(+), hl (2.5), AUTR, LFL*, CLEAN, COMF-V(3)
Callsign	C6XU4

Particulars are believed to be correct but are not guaranteed.

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Vessel Main Details

Length	74.87 m (o.a.) / 67.20 m (b.p.p)
Breadth moulded	16.40 m
Draft (max)	6.22 m
Depth moulded	7.45 m
Freeboard (min)	1.28 m
Corresponding DWT	3205 tons
Gross tonnage	2871 tons
Net tonnage	962 tons
Light ship	2160 tons

Performance/Consumption

Max. speed	13.6 knots / 16.0 tons / day
	12.0 knots / 9.0 tons / day
Econ. Speed	10.0 knots / 5.6 tons / day
DP operations / stand-by in calm weather	2.5 tons / day
Port consumption	0.8 tons / day

Machinery / Propulsion

Main engines	4 x 1291 bkW Cummins KTA5DC
Main generators	4 x 1239 ekW
Main Azimuth thruster aft	2 x 1500 kW 360° Azimuth 2700 mm diameter
Emergency generator	1 x 150 kW
Bow thruster	2 x 800 kW tunnel thruster

Mooring and Deck Equipment

Tugger winch	2 x 10 tons
Capstan	2 x 10 tons
Crane	1 x 2 tons / 12 m radius
Cargo security winches	Port side cargo rail 3 x 4.6 tons
Power supply for deck container	6 x 440 V

Life-Saving and HSE

Life raft	31 persons
Safety certificate	31 persons
1 x SOLAS MOB / Rescue boat	

Accommodation and Offices

Number of cabins	11 officers / Crew + 10 x 2 berth cabins
Hospital	1
Mess / day room	Yes
Offices	2
Conference room	1
Dirty mess	1
Fitness area	1
Cool store / freezer	Yes

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Entertaining Equipment

- 1 x SeaTel 5004 TV antenna
- 1 x DVD-Audio / SACD player, DIVX, PROGR 108 / 12V SORT rack mounted

DP / Joystick Control

- AUTR (DP/II) Kongsberg Type DP/II
- Joystick
- 1 x Fan beam
- 2 x DGPS
- 1 x Radscan

Navigation Equipment

- 1 x Autopilot: Sperry Autopilot and Heading System
- 2 x NaviPlot 4000 Digital Adaptive Autopilot
- 1 x Steering Control Interface (HCS / SCS)
- 3 x Gyro compass Sperry Marine digital marine gyro comp
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- 1 x Magnet compass system
- 1 x Furuno FCR-2837S 10cm chart reader
- 1 x Furuno FAR-2117 black box, 3cm ARPA radar
- 1 x flat screen TFT / LCD 19.1-inch slave aft bridge
- 1 x TELchart TECDIS system, ECDIS approved according to IMO standards
- 1 x fat screen TFT/LCD 20.1-inches, monitor for TECDIS and backup TECDIS
- 1 x TELchart backup TECDIS system, approved according to IMO standards
- 1 x Furuno GPS GP-150
- 1 x Echo Sounder: Skipper GDS101 Navigation Echo Sounder
- 1 x Speed Log: BEN Anthea Blind Electromagnetic Speed Log
- 1 x AIS: TRON UAIS TR-2500 Complete System and ECS connections
- 1 x Sound Signal Reception System (SSRS)

Communication Equipment

- GMDSS area A3
- 1 x SSB radio Furuno SSB FS-1570
- 1 x Furuno IB-583 Telex terminal
- 1 x Furuno Navtex NX-700-B
- 2 x DSC VHF Furuno FM-8800S Simplex / Semiduplex VHF radio
- 3 x VHF GMDSS portable Jotron TRON TR-20
- 2 x Inmarsat-C Furuno Inmarsat-C with EGC receiver
- 1 x EPIRB Jotron Tron 40 S
- 1 x EPIRB Jotron Tron 45 SX
- 2 x Radar transponder Jotron Tron Sart
- 2 x VHF Sailor RT 2048
- 2 x UHF Motorola GM380, UHF 403-470 MHz, 5 tons, 255 channels
403-470MHz, 5 tons, 255 channels
- 6 x UHF portable Motorola GP380 ATEX, UHF 403-470 MHz, 255 channels
- 2 x Mobile Smartphones Nokia 32 GSM Smartphone
- 1 x Mobile Smartphone Nokia 30 GSM Smartphone

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Cargo Capabilities

Deck cargo		1600 tons
Deck area		51,0 x 13,4 m = 683m ²
Deck strength		5 tons / m ²
Fuel oil		1228 m ³
Liquid mud	SG 2.5	651 m ³ / 4094 bbls. 6 x dedicated tanks + 431 m ³ / 2711 bbls. in multi-use tanks
Brine	SG 2.5	+ 221 m ³ / 1390 bbls. in dedicated tanks + 221 m ³ / 1390 bbls. in multi-use tanks

Tank cleaning in all liquid mud and brine tanks

Base oil		143 m ³ / 902 bbls. in dedicated tanks + 203 m ³ / 1280 bbls. in multi-use tanks tanks
Pot water		639 m ³
Ballast/Drill-water		1121 m ³ / 948 m ³
Methanol		2 x 102,8 m ³ . Total 205,6 m ³ / 1293 bbls.
Nitrogen bottle rack system + Nitrogen compressor		
Glycol		102 m ³ / 640 bbls. in dedicated tanks 1186 m ³ / 7460 bbls. in mlti-use tanks
Dry bulk		310 m ³ / 10947 f ³ in 5 vertical tanks, each 62 m ³

Discharge Rates

Fuel oil	1 x 2 sp. screw x 0-200 m ³ /h 9 bar
Liquid mud	2 x Ecc screw x 0-85 m ³ / 24 bar
Brine	1 x centrifugal x 0-75 m ³ /h 24 bar
Base oil	1 x 2 sp. screw x 0-150 m ³ /h 9 bar
Pot Water	1 x 2 sp. screw x 0-200 m ³ /h 9 bar
Drill-water / ballast	1 x 2 sp. screw x 0-150 m ³ /h 9 bar
Methanol	2 x centrifugal x 0-100 m ³ /h 9 bar
Glycol	1 x 0-75 m ³ /h 9 bar
Dry bulk	2 comp. x 30 m ³ /min. 5,6 bar and 2,5 bar

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MT 6009 Mk.II MULTIPURPOSE FIELD SUPPORT VESSEL

