

VORTEX VELOX & VORTEX VENTUS

Fast Crew Supply Boat

5,400 BHP | 25 KTS | 100 PAX



SPECIFICATIONS:

CREW / UTILITY BOAT

GENERAL:

Vessel Type:	Aluminium Crew/Utility Boat
Year Built:	2024
Classification:	ABS
Class Notation:	ABS+A1 HSC Crewboat +AMS

DIMENSIONS:

Length Overall:	40.00 m
Beam:	8.20 m
Depth (Moulded):	3.65 m
Draft (Moulded):	2.00 m
SUMMER Freeboard:	1.65 m

CAPACITIES:

Fuel Oil:	100,000 ltrs
Fresh Water:	30,000 ltrs
Clear Deck Area:	115 m ² (18.0m x 6.4m)
Deck Strength:	1.3 T/m ²
Safe Deck Loading:	85 T
Deck Crane:	0.8 T @6m

GRT:	292 T
NRT:	88 T
Deadweight:	170 T

Adequate cargo retainers and lashing lugs on both side for securing deck cargo.
Aft Deck suitable for helicopter winching.

MACHINERY:

Main Engines:	4 x Cummins KTA38-M2
Total bhp:	4x 1350 = 5,400 bhp
Propulsion:	Quadruple Screw
Propellers:	4 Fixed Pitch
Bow Thruster:	1 x 90kW
Generators:	CSIC 1FC2 224-4SB43; 2 x 80ekw
Power Supply:	415/240 Volt AC, 50Hz, 3hp +24 Volt DC
Auxiliary Engine:	Prime Movers: 2x 91kW @ 1500 RPM

PERFORMANCE:

Service Speed:	26 knots, 85% MCR @ 50 MT DWT
Max Fuel Consumption:	1050 L/hr
Laden Speed:	18 knots @ 85% MCR Fully Loaded;
Econ. Fuel Consumption:	860 L/hr

DESIGN CRITERIA:

- All welded aluminum Monohull with quadruple propellers / twin rudders.
- Forward fully air conditioning crew accommodation / passenger saloon and flush, no-obstructed cargo deck.

**Commercial and Operational Office**

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GMDSS:	GMDSS A2
VHF:	Furuno FM-8900S + 3 TCR TW-50 Handheld
SSB Radio:	Furuno FS-1575, +I-COM IC-M710 (non GMDSS)
Satellite Communication:	Inmarsat Fleet Broadband Felcom-250
GPS:	Furuno GP-170
Depth/Echo Sounder:	1 unit depth - Furuno FE-800
Gyro Compass:	Anschutz STD-22
Magnetic Compass:	SMEC CX-65 (with deviation card)
Autopilot System:	Anschutz NP-60
Navtex:	Furuno NX700B
Marine Radar:	2 units Furuno FAR-2117, 19in display
EPIRB:	ACR RLB-38
SART:	ACR Pathfinder3
AIS:	Furuno FA-150
Public Address/Intercom System:	FG Double Amplifier 200W x 2
Search Lights:	3 units, Ceiling Mounted, KESCOM 1000W
Chart Plotter:	GARMIN GPSMAP5012
Anemometer:	NINGLU AM-76

FIRE-FIGHTING EQUIPMENT:

External Fire Fighting:	Quarter FiFi
	SFP 150x200xPC, FFS 600LB Monitor
Workboat:	Workboat with 25HP outboard motor
Gas Detection System:	CONSILIUM for H ₂ S and Hydrocarbon

LIFE SAVING EQUIPMENT:

Life Rafts:	6 Rafts; 4 * 50P & 2 * 65P
Life Buoys:	8 on board per SOLAS
Recue Zone:	Yes

ACCOMODATION:

Passenger Capacity:	100 Minda MD200 Economy Seat c/w food tray
Crew:	10 bunks in 5 cabins
Mess:	Seating for 10 Crew