

Rijnstroom



Multi Purpose Vessel - DP2 - IMO TIER III - ULEV - Hybrid

IMO nr.	IMO 1145807
Type MPV	4716 DP2
Constructed	2027
Bollard pull	Approximately 50T
Speed	11.0 knots
Free deck space	500 m ²
Deckload	10.0 ton/m ²
Home port	Hardinxveld-Giessendam, The Netherlands
Callsign	

Basic functions

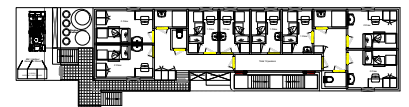
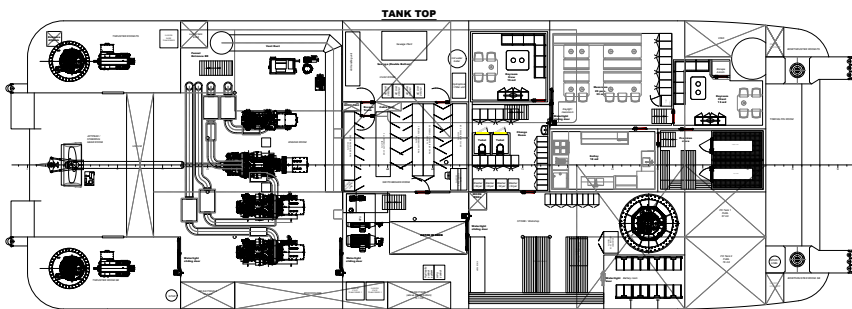
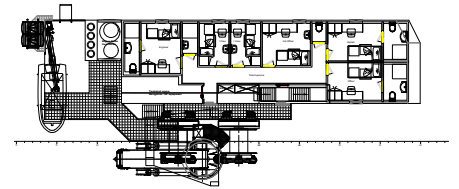
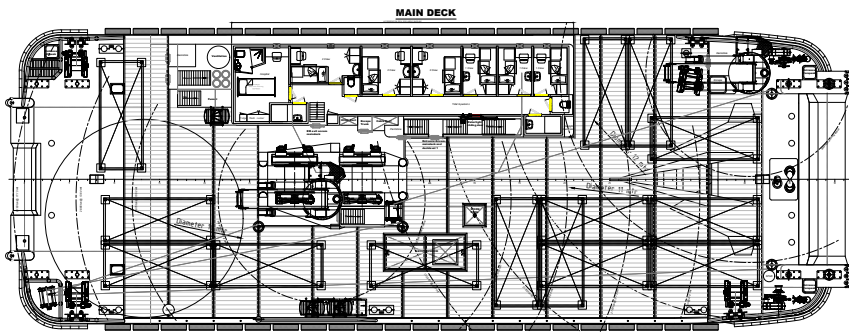
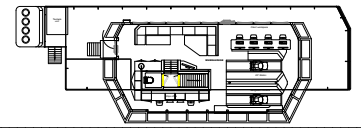
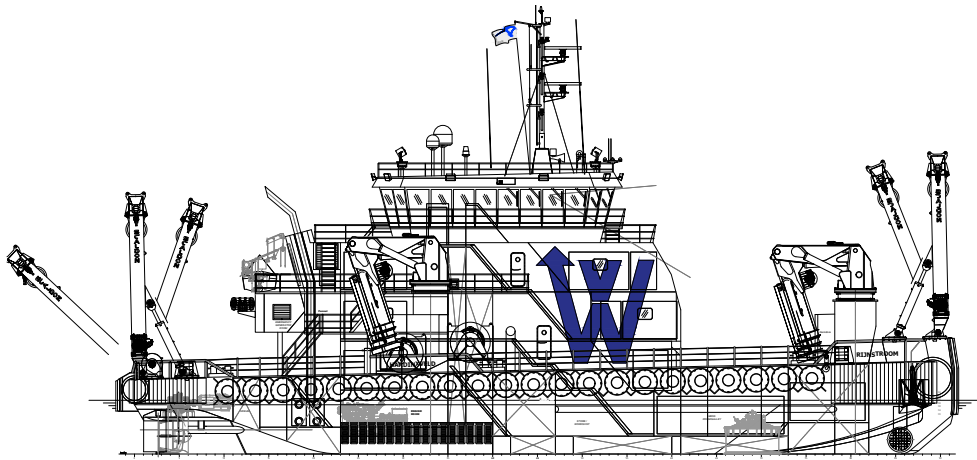
Towing, Anchor handling, Dredging support, Diving support, Oil & Gas support, Renewable Energy support, Surveying, Ploughing, ROV support

Engines	1x Caterpillar C32 - 970 kW (Center)
Gear boxes	1x Reintjes, type WAF 675L
Generator sets	1x Caterpillar C7.1 - 111 ekW, 2x Caterpillar C32 - 940 ekW, 1x Caterpillar C18 - 550 ekW, 1x Caterpillar C32 - 600ekW
Microgrid	2x 155kVA
Batteries	508 kWh
Thrusters	2x Veth Azimuth thruster 968 KW, 1x Veth Compact Jet 524 KW, 2x Veth Tunnel truster 380 KW

GT	1077 GT
Dimensions	47,10 x 16,60 x 4,70 mtr.
Draft (min. / max.)	2.60 / 3.10 mtr.

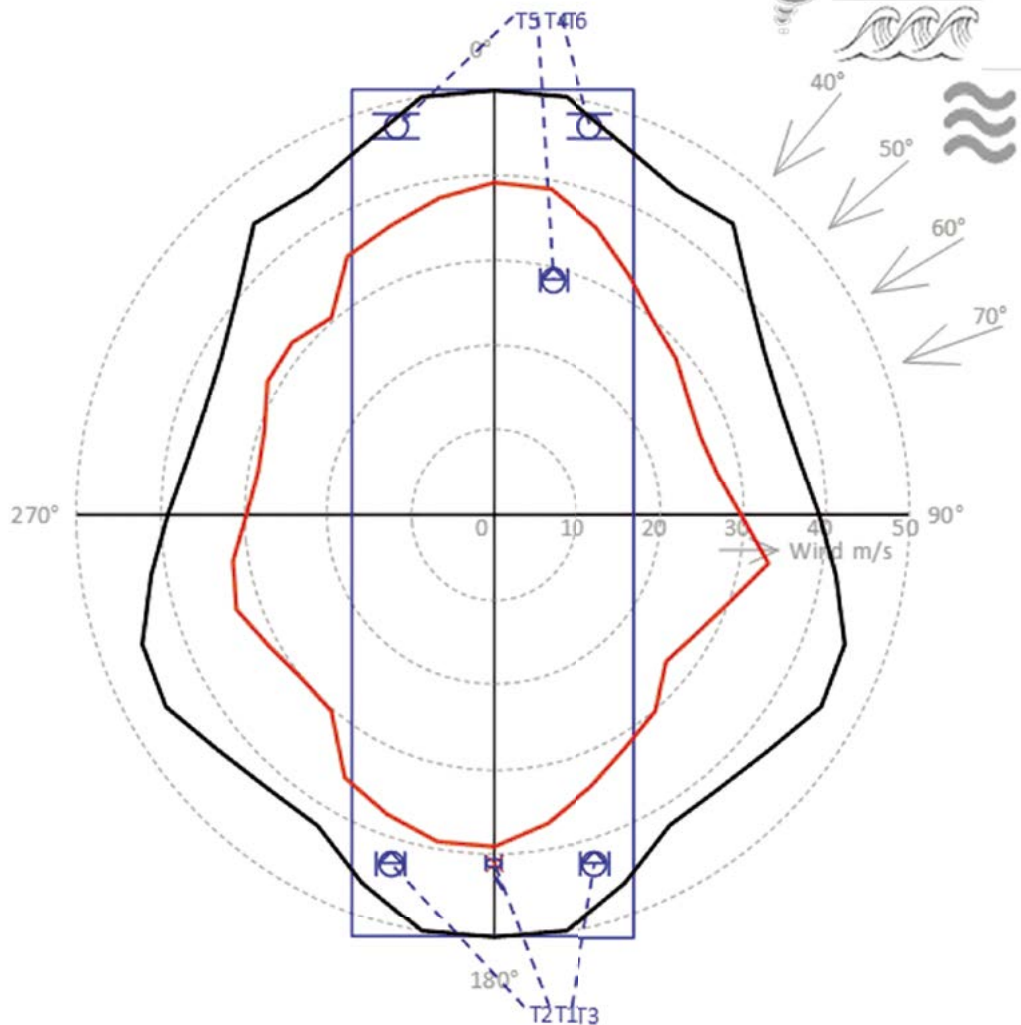
Nautical equipment	GMDSS A3 - DP2
Deck equipment	Hydraulic cranes, 2x HS Marine AKC 620/17T@21 mtr , winches on cranes 15 T single fall / 22T double fall - AH winch 200/250T - Towing winch 100/250T - Bow roller 9.5 mtr. / dia. 2.0 mtr, SWL 250T - Stern roller 4 mtr. / dia. 1.25 mtr, SWL 250T - Moonpool 1.0 x 1.0 mtr - Hydraulic bow door - 2x Tuggerwinch 15T - Kooiman Delta pin SWL 150T (fore deck)
Special	Biodegradable oil in all deck components
Optional	A-frame 50 T / 25 T / 4p-Mooring system / Spudpoles 18 mtr - 600 mm / Boatlanding / USBL pole ROV - Diving ops. platform
Accommodation	Comfortable heated and air-conditioned accommodation for a total of 27 persons is provided, consisting of 13 single cabins, 7 double cabins, and a hospital cabin, all positioned in the deckhouse above the waterline in accordance with MLC regulations. Client office and dayroom facilities are also available.
Classification	Bureau Veritas I HULL MACH Offshore Support Vessel Tug - standardized design bollard pull (49)1 Anchor Handling - Cyber Resilent - SP(32) - IP (32) Unrestricted Navigation AUT-UMS Dynapos AM/ATR ALM Cleanship Electric Hybrid (PM, PB) Inwatersurvey Stablift ULEV

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Case , All available and Worst Case

Capability Plot



IMCA North Sea Wave Period table

		Thruster		Vessel
Most limiting	70°	Number	4	Length 47.1m
Wind	26.5m/s	Usage	100%	Breadth 16m
Current	0.77m/s	Force	73KN	Draught 3m
Wave spectrum	JONSWAP $\gamma=3.3$ H=10.55m, P=15.2s	Thrust	7.3mT	Displ. 3m

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