

Multi Purpose DP2 Support Vessel “ZWERVER V”

Shallow Draft



Dimensions:
Length o.a. : 80.38 m
Breadth mld. : 20.00 m (20,64 m including fendering)
Depth ½ L : 5.50 m
Draught min. : 3.00 m
Draught max. : 4.20 m
Free deck space : 800.00 m²
Max. deck load : ±1800-2200 T, 10.00 t/m²
GRT / NT : 3807 T / 1142 T
Flag : Dutch

Tank capacities:
Fuel oil : 658.00 m³ (Cargo + domestic)
Fresh water : 622.00 m³ (Cargo + domestic)
Ballast water : 1.060,00 m³ (approx.)
Lub oil : 8.00 m³
Hydraulic oil : 8.00 m³
Dirty oil/Sludge/Bilge : 8.00 m³ / 7.60 m³ / 28.00 m³
Sewage/Grey water : 48.00 m³ / 48.00 m³
Foam : 48.00 m³

Propulsion system:
Total propulsion : 2.800 kW Diesel-Electric
Main generators : 4x Caterpillar C32 @ 940 kW each
2x Caterpillar C18 @ 565 kW each
Propulsion : 2x Schottel Azimuth 1.400 kW F.P.P. Ø 2200 mm
Bow thrusters : 1x Schottel TT @ 765 kW Ø 1540 mm
1x Schottel DD-Azimuth @ 800 kW Ø 1700 mm

Performances:
Max. Speed : 11,0 knots
Bollard Pull : approx. 60,0 T

Auxiliary systems:
Electrical systems : All gensets deliver 3x 690V/3x440V – 60 Hz
Emergency Gen : 1x Caterpillar C7.1 ACERT DITA 138 kW
Hydraulic power : 2x 160kW HPU, 4x 90kW HPU
Transfer pumps : Fuel & fresh water 15 – 80 m³/hr, including
Transfer hoses on reels and indicators
Air compressor : 4000 ltr/min, with connections on deck/store/ER
Fresh water maker : 10 m³/24 hr

DP2 equipment:
Kongsberg K-POS DP-22 Dynamic positioning system, Spottrack monitor
(laser Reference system)

Optional : Taut wire, USBL

Deck equipment:
Deck crane Midships : Heila HLRM 90.4S Lifting 5.4 T @ 12.72 m
Winch : 4 T Single fall, 40 mtr wire.
Deck crane PS Aft : Heila HLRM 1000 / 6S. Lifting 13.5 T @ 29.88 m
Winch : 20 T lifting single fall, 80-160 mtr wire
40 T lifting double fall
AHC (single fall only)
Offshore crane SB Aft : Scaldon OKC 100-30
100 T @ 10 m, SS3 (AHC)
50 T @ 20 m, SS3 (AHC)
30 T @ 30 m, SS3 (AHC)
Winch : 50 T AHC Single Fall
CT 5 T - 10 T
Wire capacity 400 m
Aux Winches : 5 T main Aux winch and 2 tugger winches
Wire capacity 180 m
Man-riding 2.5 T
Tugger winches : 2x 10 T pull, 15 T Hold
4-pt mooring : 4x 1000 m x Ø 40 mm wire
60 T pull
Optional : 4x 5 T Delta Flipper + pennant buoys
7000 x 2000 mm; SWL 150 T
Stern Roller : 2x Ø800 mm
Moonpool : to be used on Starboard or Portside
Boatlanding : FFS 3750 m³/hr - 2x 1200 m³/hr monitors on stern - 1x
FIFI-1 : 300 m³/hr foam - Water spray
FRC : 1x FRC with inboard diesel engine, 12 pax
Workboat (Optional) : 1x Jet-driven workboat available

Container fittings flush in deck, removable railings on Starboard, Portside and stern.

Accommodation:
Comfortable heated/airconditioned accommodation for 60 persons in 33 cabins.

4 x Single berth cabins
2 x Single Officer cabins
27 x Double berth cabins

VSAT/5G /Starlink and Sat-TV on board.
Large client office's and survey desks available.

Navigational equipment: equipped for area A3, Kongsberg IBS system

Classification: * * *
Bureau Veritas I Mach, AUT-UMS, Unrestricted Navigation, Offshore support vessel,
Fire Fighting 1 with water spray, Lifting-ALM, Diving Support, SP(60), Cleanship, Dynapos AM/

Suitable projects for this vessel

Wind farm-/Renewable Energy projects, vessel can act as:

- Walk-to-Work vessel/Offshore Access/Maintenance support vessel for turbines, platforms and other floating equipment;
- Diving support vessel on 4-pt mooring or on DP-2;
- General support vessel for installation of turbines/floating objects;
- Anchor-handling vessel/Towing tug;
- Pre-Lay Grapnel Runs (with low and high tow-forces);
- Route clearance / Boulder removal;
- Cable-/Pipe lay vessel;
- Cable repair vessel;
- Supply vessel;
- Survey-/ROV support vessel;
- Cable burial/trenching;
- Cable inspections;
- Pipeline inspections;
- Mattress installations Pre-lay/Post-lay;
- CPT/Vibrocore operations;
- Beach pull operations > Vessel can ground out!

Offshore construction projects, vessel can act as:

- Walk-to-Work vessel/Offshore Access/Maintenance support vessel for turbines, platforms, SPM buoys and other floating equipment;
- Diving support vessel on 4-pt mooring or on DP-2;
- General support vessel;
- Anchor-handling vessel/Towing tug/push-pull tug;
- Cable-/Pipe lay vessel;
- SPM-buoy installation vessel;
- Supply vessel;
- Hose handling/maintenance vessel;
- Survey-/ROV support vessel;
- Cable burial/trenching;
- Cable inspections;
- Pipeline inspections;
- Mattress installations Pre-lay/Post-lay;
- CPT/Vibrocore operations;
- Beach pull operations > Vessel can ground out!

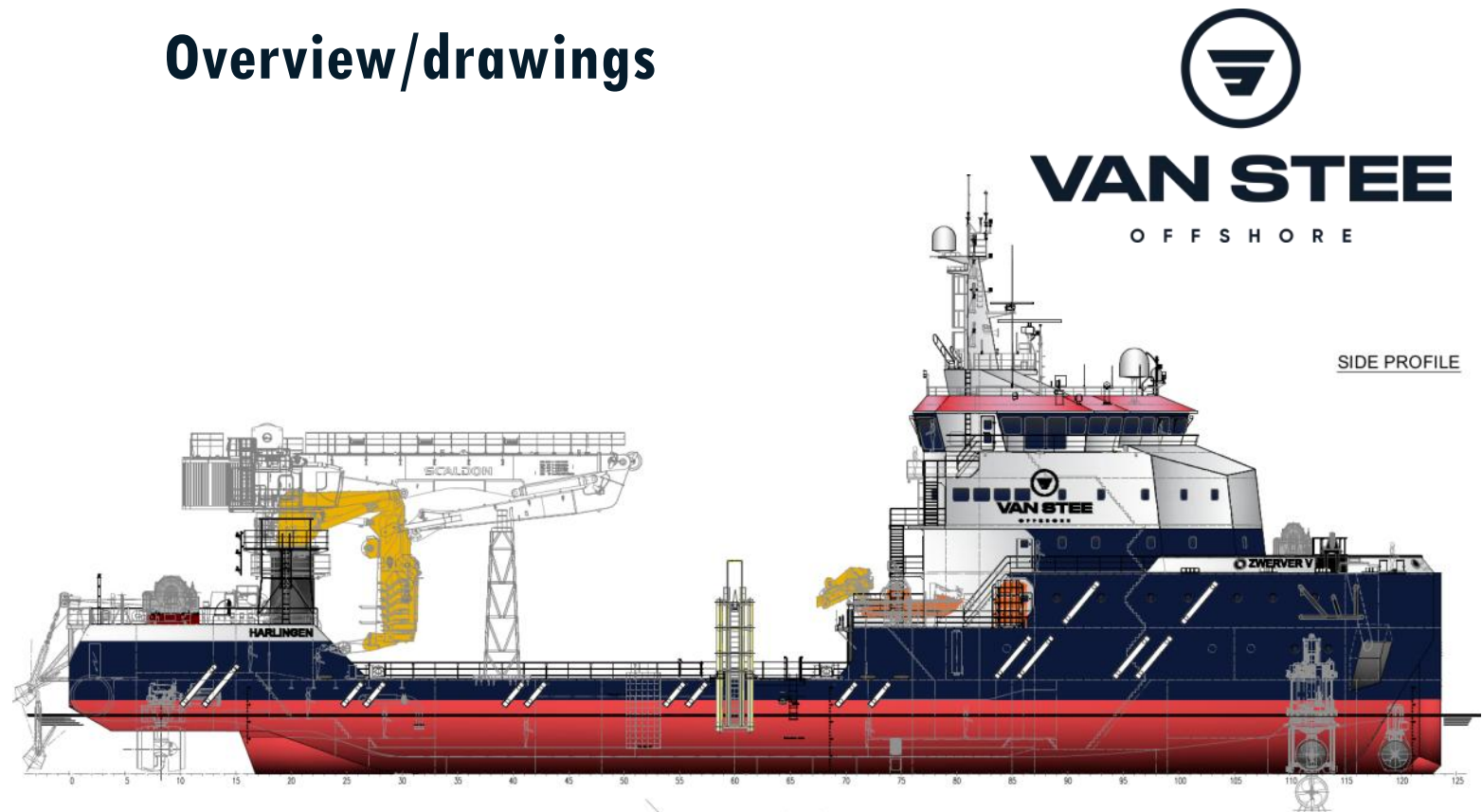
References:

An extensive reference list of dredging- and marine construction companies shows the many years of experience in the offshore industry. Examples are:

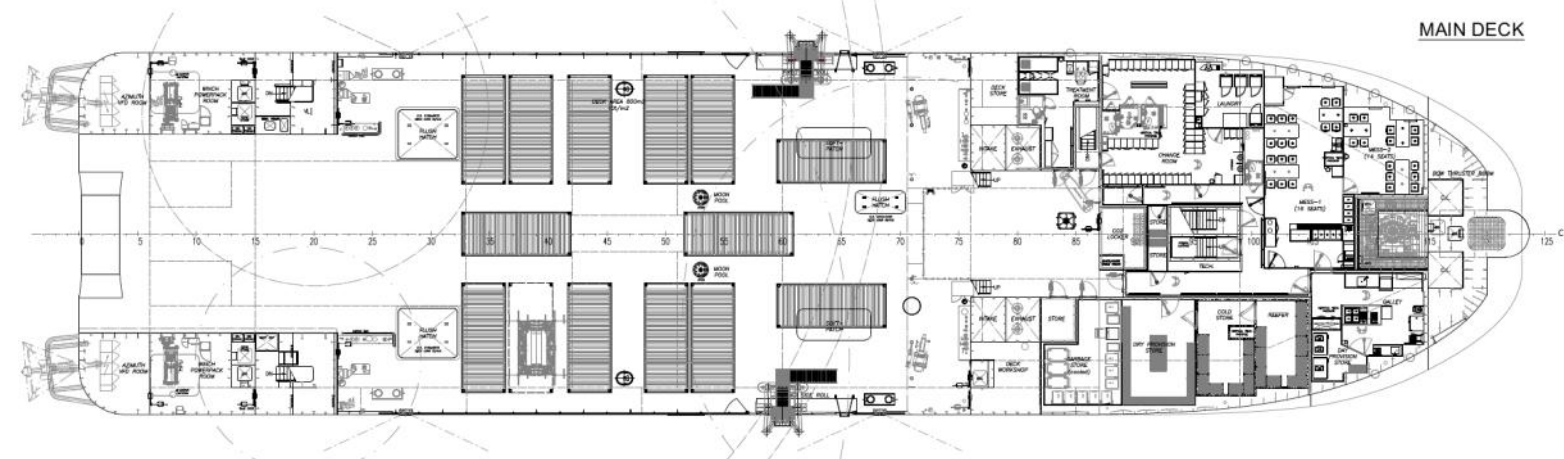
- Allseas Marine Contractors
- DEME NV
- Van Oord Offshore & Marine Contractors BV
- Van Oord Offshore Wind Projects BV
- Boskalis BV
- Saipem SA
- Tideway Marine & Offshore Contractors BV
- Mc Dermott International
- Jan de Nul NV
- Prysmian Powerlink Services Ltd.
- C-Ventus Offshore Windfarm Services BV
- Modus Seabed Intervention Ltd.



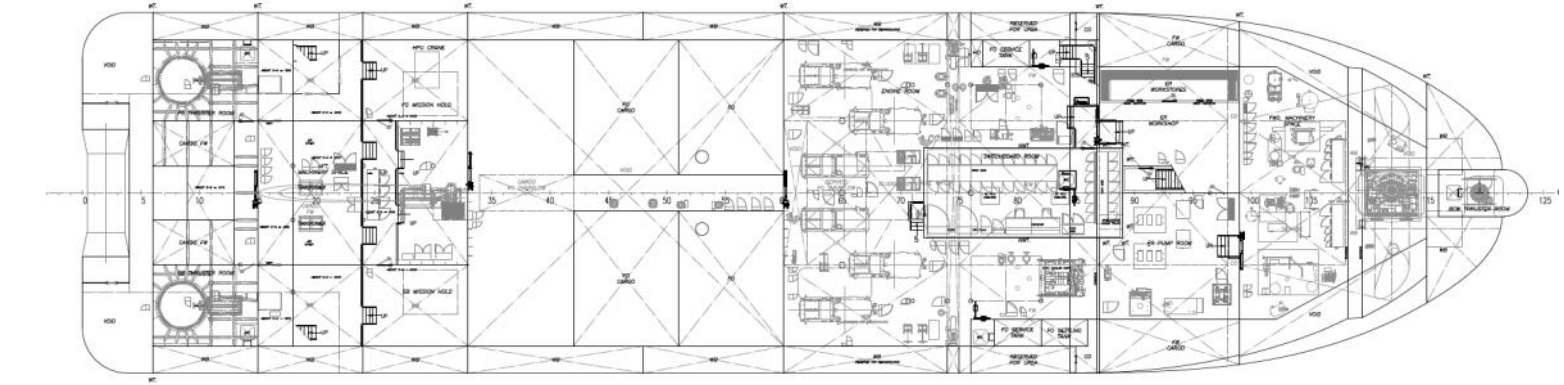
Overview/drawings



Deck Lay-out



Below Deck Lay-out

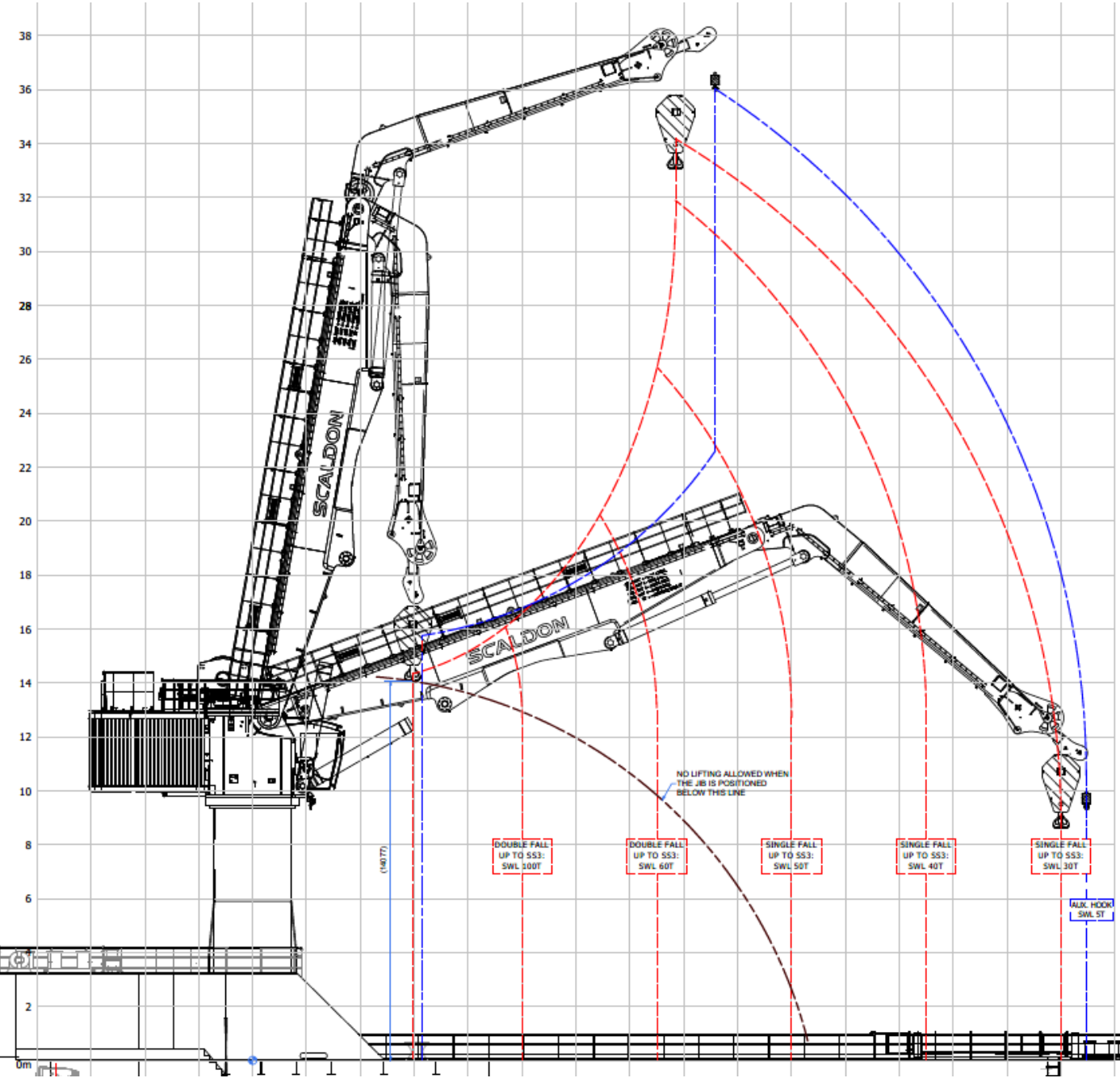
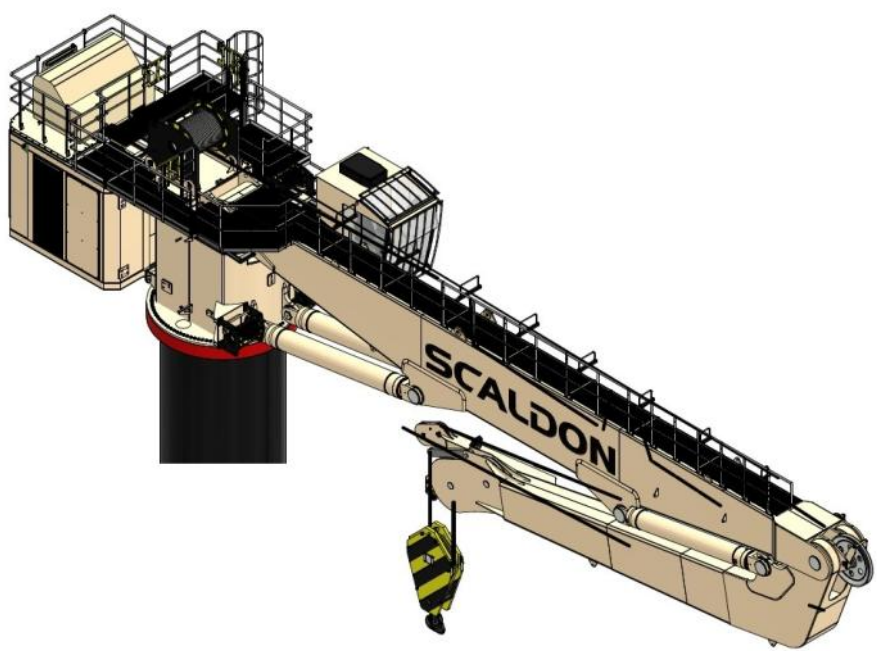


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Crane drawings / diagrams Starboard side

Lifting capacities SB aft Offshore crane - AHC		
Scaldon OKC 100-30 (From 2024)		
Distance from Base	AHC-winch, Single Fall (SS3)	Winch, Double Fall (SS3)
10.00 m	50.000 Kg	100.000 Kg
15.00 m	50.000 Kg	60.000 Kg
20.00 m	50.000 Kg	50.000 Kg
25.00 m	40.000 Kg	40.000 Kg
30.00 m	30.000 Kg	30.000 Kg

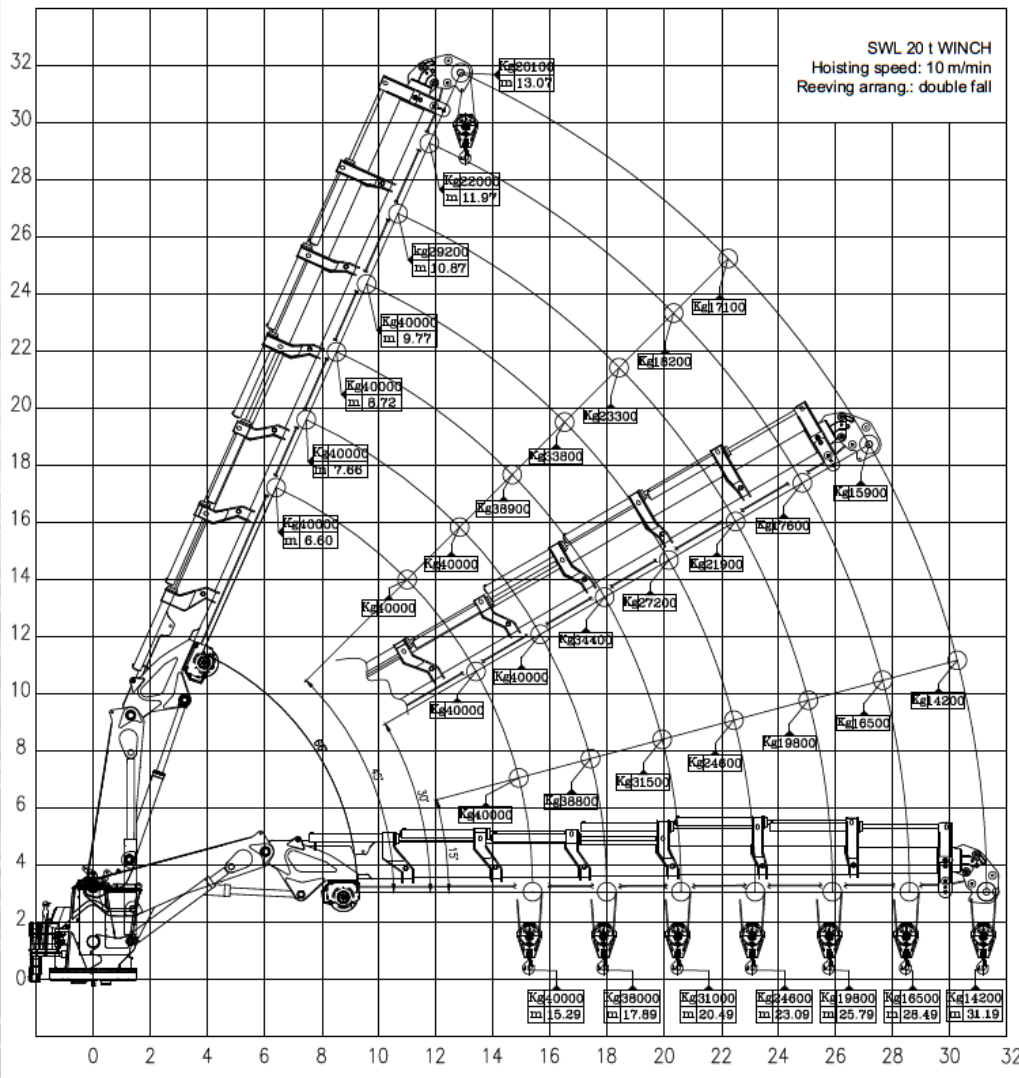


Crane drawings / diagrams Port side aft and midships

Lifting capacities PS aft crane				
Heila HLRM 1000 / 6S - AHC (Shipboard)				
Distance from Base	20 T winch Single Fall	Distance from Base	20 T winch Double Fall	Fixed Hook
9.60 m	20.000 Kg	9.60 m	40.000 Kg	65.000 Kg
13.94 m	20.000 Kg	13.94 m	40.000 Kg	43.000 Kg
16.54 m	20.000 Kg	15.29 m	40.000 Kg	35.800 Kg
19.14 m	20.000 Kg	17.89 m	38.000 Kg	26.400 Kg
21.74 m	20.000 Kg	20.49 m	31.000 Kg	21.700 Kg
24.44 m	17.800 Kg	23.09 m	24.600 Kg	17.800 Kg
27.14 m	15.300 Kg	25.79 m	19.800 Kg	15.300 Kg
29.88 m	13.500 Kg	31.19 m	14.200 Kg	13.500 Kg

Lifting capacities midships crane		
Heila HLRM 90.4S		
Distance from Base	4 T winch Single Fall	Fixed Hook
4.82 m	5.000 Kg	17.390 Kg
6.72 m	5.000 Kg	12.990 Kg
8.72 m	5.000 Kg	9.370 Kg
10.72 m	4.350 Kg	7.000 Kg
12.72 m	3.400 Kg	5.620 Kg

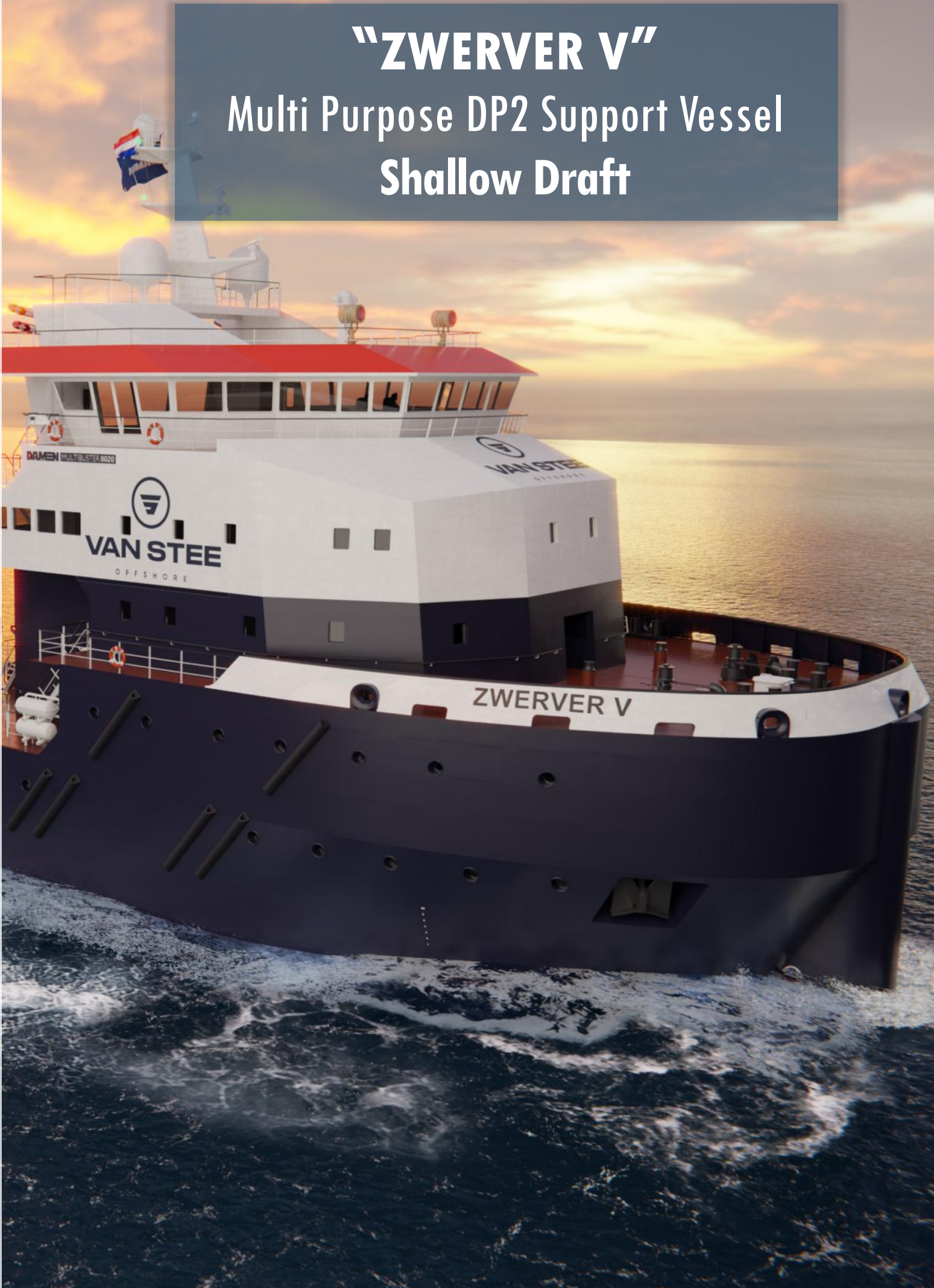
Heila HLRM 1000/6S





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