



GENERAL

Flag	Gibraltar
Port of registry	Gibraltar
Place of Built	COSCO Guangzhou Shipyard, China
Year Built	2016
Class	ABS
IMO	9709130
Call Sign	PBHU
MSI	244615471
ERN Number	99.99.94.86

PRINCIPAL DIMENSIONS

Length Overall	83.40 m
Breadth Moulded	18.00 m
Length B.P.P.	79.55 m
Design Draft	6.00 m
Max. Draft	6.70 m
Deadweight (Design Draft)	3300 t
Deadweight (Max. Draft)	4200 t
Gross Tonnage	approx. 3650 t

MACHINERY & PROPULSION

Propulsion System	Diesel Electric
Stern Thrusters	2 x 1,600 kW Schottel propellers
Engines	2 x Diesel Engines 1,630 kW 2 x Diesel Engines 990 kW
Output	4,920 kW
Bow Thrusters	2 x 880 kW
Propulsion System	Diesel Electric, 2 x Azimuth Thrusters
Total propulsion	2 x 1,600 kW
Emergency generator	130 ekW

PERFORMANCES (Design Draft)

Fuel Consumption at 13 Knots	15.5 mt/day
Fuel Consumption at 10 Knots	7 mt/day
DP Mode	4 mt/day
In Port	1 mt/day
Fuel Type	ISO 8217: 2005 DMA or later revisions

CARGO CAPABILITIES

Fresh water	1035 m3 (705 m3 dedicated)
Heeling Tanks	391.7m ³
Drill water / W.B.	1674 m ³
Fuel Capacity (100%)	1464 m3 (370 dedicated)
Liquid Mud / Brine	1293 m ³
Dry Bulk	260 m ³
Methanol	150 m ³
Base oil	257 m ³
Clear Deck Area	850 m ²
Deck Loading	10 t/m ² aft of #35 5 t/m ² forward of #35

COMMUNICATIONS EQUIPMENT

MF/ HF radio	JRC JSS-2150
VHF Radio	JRC JHS-770S
Portable VHF Radio	3 x Entel HT8982
Satellite EPIRB	McMurdo Model E5
Inmarsat	1 Inmarsat-C SSAS, 1 Inmarsat-C LIRT
Navtex Receiver	JRC NCR-333
SART	2 x McMurdo S4
Automatic Identification System (AIS)	AIS JHS-183
Fleet Broad Band	1 x JRC JUE-251
Weather Facsimile	1 x JRC JAX-9B

NAVIGATION EQUIPMENT

Radar No. 1	1 x X-Band Radar : JRC JMA -9122-9XA
Radar No. 2	1 x S-Band Radar : JMCJMA -9132-SA
Radar Transponder Unit (9G)	2 x Mc Murdo S4
DGPS	1 x JRC JAN-901B-FOR
Eco Sounder	1 x JRC JFE-680
Auto Pilot	1 x YOKOGAWA PT500A-P-Analog
Gyro Compass	1 x YOKOGAWA CMZ900d +1 x 900S
Magnetic Compass	1 x YOKOGAWA SR-165
Joystick Control	Integrated Joystick Control
ECDIS	1 x JRC Navi-Sailor 4000 ECDIS MFD
VDR	1 x JRC JCY-1800

DECK MACHINERY

Tuggers	2 x 10 t @ 35m/min
Capstans	2 x 10 t @ 30m/min
Deck Crane	3 t SWL @ 18 m

LIFE SAVING APPARATUS

Liferafts	2 x 20 man and 1 x 6 man on each side
Rescue Boat	1 x 6 men MOB boat

EXTERNAL FIRE FIGHTING

Capacity	ABS FiFi Class - 1 3820 m ³ per hr
Monitor	2 x 1200 m ³ per hr
Throw	> 120 m

ACCOMMODATION

Total pax + crew	26 persons
Crew compliment	14 single cabins 14 persons
Charterer personnel	12 passengers 6 double cabins
Compliance	MLC 2006
Crew comfort	2 x anti-rolling tanks

This technical specification sheet is subject to change without notice. Whilst every effort has been made to ensure that accuracy of the information represented within this document, no guarantees of accuracy can be given. For enquiries, kindly email us at chartering@nl.vroonoffshore.com.



Leaders in Safety



**VOS PACE / VOS PARADISE /
VOS PARTNER / VOS PASSION /
VOS PATIENCE / VOS PATRIOT**
Platform-supply vessel

V **VROON**
OFFSHORE SERVICES
.... connecting markets

VROON OFFSHORE SERVICES

VROON OFFSHORE SERVICES is a leading maritime offshore-services provider, with over fifty years' experience in the business. The company delivers safe, reliable, high-quality and cost-effective services to all customers. When it comes to offshore-support work, Vroon provides a new approach, but one based on traditional qualities and a proven track record.

With a versatile fleet of more than 100 vessels and 2,500 skilled and dedicated staff, Vroon Offshore Services (VOS) provides a diverse range of services and solutions for key offshore-support needs, including platform supply, emergency response and rescue, anchor handling, walk-to-work and subsea support.

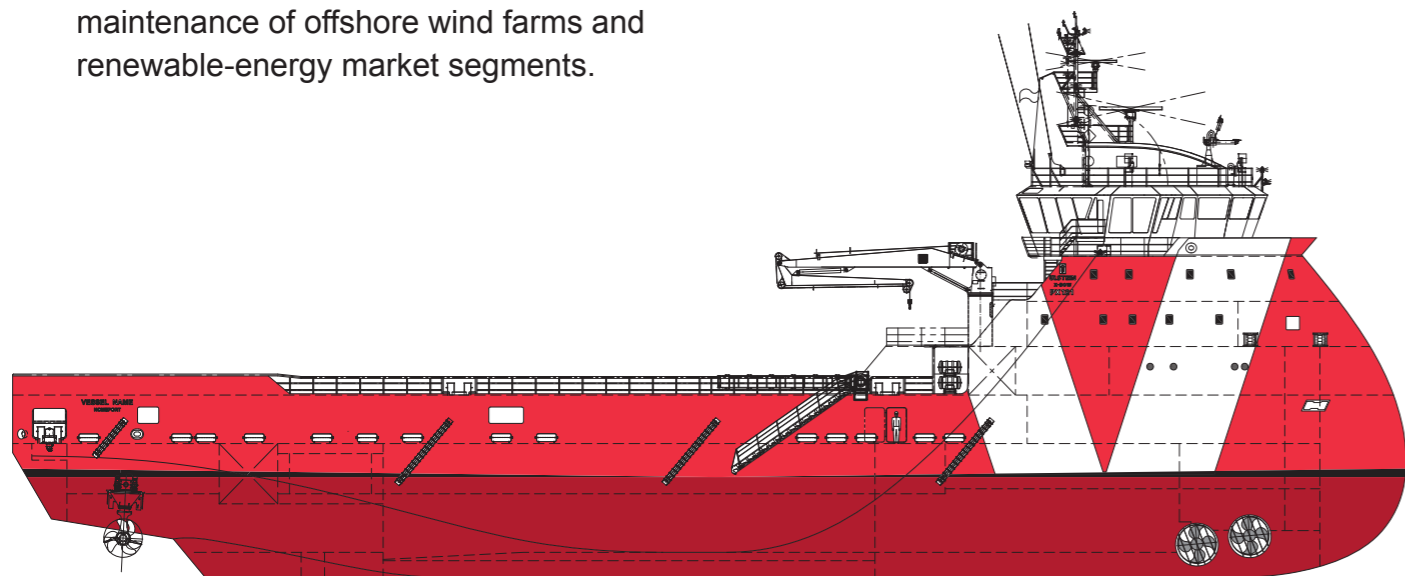
VOS has offices in Aberdeen (UK), Den Helder (NL), Genoa (IT) and Singapore (SG), with geographical focus on the North Sea, Mediterranean and South-East Asia.

The fleet services the oil and gas market segments and supports installation and maintenance of offshore wind farms and renewable-energy market segments.

The high level of expertise demonstrated by all VOS employees is the result of the company's extensive training and personal-development programmes, combined with many years of experience in offshore markets. A behavioural-based safety programme, "Leaders in Safety", forms an integral part of the VOS service deliverables.

The VOS platform-supply vessel (PSV) portfolio is based on vessel designs developed by the company's Performance and Engineering Department, reflecting both client specifications, market requirements and substantial in-house offshore experience.

Newest additions to the fleet are the six 83-metre sister PSVs: VOS Pace, VOS Paradise, VOS Partner, VOS Passion, VOS Patience and VOS Patriot.



PSV FLEET OPERATIONS AND EXPERTISE



- Cargo transportation
- Bulk transfers (wet and dry): generic liquids / muds / special products / chemicals
- Fire fighting
- Oil-spill recovery
- Bunker transfers
- Safety standby



BENEFITS

- Leaders in Safety
- Hotel-type comfort: 26 beds
- Extensive client email and data-communication facilities
- 850 m2 clear deck area
- Dynamic Positioning class 2
- Fuel efficient
- Optimised hull characteristics



Leaders in Safety



INTERIOR ARTIST IMPRESSIONS



Captain's cabin



Cabin



Mess room



Recreation room



Bridge



Gym

TECHNICAL SPECIFICATIONS

Type:	Platform-supply vessel	Portable two-way VHF	3 x Entel HT649
Flag/classification:		UHF portable	3 x Entel HT882
Flag	Dutch	UHF fixed	1 x Motorola GM-360
Port of registry	Breskens	Satellite EPIRB	1 x McMurdo model E5
Classification	ABS	Navtex receiver	1 x JRC NCR-33
Class notation	DPS-2 / A1 (E) OSV (supply - HNLS, FFV1) / AMS / ACCU / GP / ENVIRO / UWILD / HAB(WB)	SART	2 x McMurdo S4
		Inmarsat	1 x C SSAS JRC JUE-87
		Automatic Identification System (AIS)	1 x JRC JHS-183
		Fleet broad band	1 x JRC JUE-251
		Weather facsimile	1 x JRC JAX-9B
Main particulars:		Positioning reference system:	
Year built	2015 / 2016	Dynamic Positioning (DP)	Kongsberg DP2
Length overall	83.3 m	Gyro compass	3 x YOKOGAWA CMZ900D + 900 S
Breadth moulded	18 m	DGPS	1 x DGPS navigator JLR-7800-SH03
Depth moulded	8 m	CyScan	1 x Mk4 laser reference system
Draft max	6.7 m	Motion sensors (MRU)	2 x Kongsberg MRU-D
GT / NT	3,638 / 1,295	Wind sensors	3 x Gill Ultrasonic
Deadweight	4,120 t	Navigational equipment:	
Capacities:		Radar no. 1	1 x X-band radar JRC JMA-9122-9XA
Deck strength	10 t/m2 aft of #35 5 t/m2 fwd of #35	Radar no. 2	1 x S-band radar JRC JMA-9132-SA
Clear deck space	850 m2	Echo sounder	1 x JRC JFE-680
Fuel	1,464 m3	Auto pilot	1 x YOKOGAWA PT500A-P-Analog
Fresh water	1,025 m3 (705 m3 dedicated)	Magnetic compass	1 x YOKOGAWA SR-165
Drill water / water ballast	1,666 m3	Joystick control	Integrated joystick control
Mud / brine	1,293 m3	Electric Chart Display System (ECDIS)	1 x JRC Navi-sailor 4000 ECDIS MFD
Base oil	257 m3	Life-saving equipment:	
Dry bulk	260 m3	Lifeboat	1 x 6 men MOB boat
Methanol	155 m3	Liferafts	4 x 20 men, 2 on each side
Slop	507 m3	External fire fighting:	
Machinery:		Capacity	ABS FiFi class 1 - 3,820 m3 per hr
Main engines	2 x diesel engines 1,630 kW (2,186 BHP) 2 x diesel engines 990 kW (1,328 BHP)	Monitor	2 x 1,200 m3 per hr
Propulsion system	2 x Azimuth thrusters 1,600 kW diesel electric	Throw	> 120 m
Bow thrusters	2 x 880 kW	Foam system	1 x foam monitor
Emergency generator	1 x 130 kW (VOS Pace / VOS Paradise 99 kW)	Accommodation:	
Performance:		Total	26 beds
Fuel consumption (subject to weather)		Crew	14 beds (single cabins)
Full speed (13.5 knots)	abt 15.50 t/day	Charterer	12 beds (double cabins)
Service speed (10 knots)	abt 7 t/day	Hospital	1 bed
DP mode	abt 4 t/day	Gym	1
In port	abt 1 t/day	Recreation room	1
ERN number	98.99.94.84	Offices	1
Deck machinery:		Compliance	MLC 2006
Deck crane	3 t SWL @ 18 m	Crew comfort	2 x anti-rolling tank
Tuggers	2 x 10 t @ 35 m/min		
Capstans	2 x 10 t @ 30 m/min		
Communication equipment:			
MF/ HF radio	1 x JRC JSS-2150		
VHF radio (with out DSC)	1 x JRC JHS-770S		
VHF radio telephone (DSC)	2 x JRC JHC-770S		

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Version 2