JUMBO OFFSHORE

DP2 Heavy Lift Crane Vessel

Jumbo Javelin

A multi-functional dynamic positioned Heavy Lift Crane Vessel (HLCV) well suited to the offshore requirements of the Energy Industry worldwide.



Measurements

Length	144.1 m
Breadth	26.7 m
Depth	14.1 m
Accommodation	78 POB
Transit Speed	17 Knots
Mast Cranes	2x 900 mt

Member of JSI/ALLIANCE



Capabilities

Quayside-to-Seabed

Offering versatility, high transit speed, stability and the ability to work in deep-water, the Jumbo Javelin provides cost-effective transport and installation solutions. An exceptionally large, flush working deck and a multi-level cargo hold enable the Jumbo Javelin to add modular components to suit specific project requirements and to integrate all offshore activities from “Quayside-to-Seabed”. This unique method saves multiple resources, critical time, complex logistics and offshore interfaces.

Fast Economical Transit and High Workability

The Jumbo Javelin is a large vessel with motion characteristics that allow safe working in challenging offshore environments. The high freeboard and dock walls protect crew and cargo in harsh weather conditions. A key attribute of Jumbo Javelin is its fast, economical transit speed, saving time and operating costs in remote, logistically challenging locations. On location, its method to lift all components from its own deck ensures maximum safety, installation control and workability.

Dual Crane Heavy Lifting

Simultaneous crane operations provide outstanding efficiency during offshore installation works. In addition, Jumbo Javelin is equipped with two mast cranes with a Safe Working Load (SWL) of 900 mt each. The dual cranes provide tandem heavy-lift capacity and dual-crane upending capability.

Large Main Deck and Adjustable Cargo Hold

The main deck has an exceptionally large working area of 3,100 m^2 and offers a loading capacity of 12 mt/m^2. The adjustable tween deck has an area of 1,700 m^2 and offers a loading capacity of 7 mt/m^2, and the lower hold area of 1,400 m^2 has a loading capacity of 12 mt/m^2.

Dynamic Positioning (DP) System

The Jumbo Javelin is fitted with a fully redundant Kongsberg K-POS21 Dynamic Positioning (DP2), enabling her to maintain its position during all offshore installation activities.

ROV Operations

For subsea operations, the Jumbo Javelin can be fitted with one or two work class ROV systems, rated to 3,000 m depth.

Accommodation

The modern living quarters are equipped to accommodate up to 78 persons. All quarters have heating and airconditioning facilities.

Specifications

General

Call sign	PHEG
IMO no.	9243837
Built	2004
Flag	The Netherlands
Port of Registry	Willemstad
Classification	Lloyd's Register+ 100A1, Strengthened for Heavy Cargos, LMC, UMS, CG, LI, DP (AA), IWS, SPS

Principal Dimensions/Tonnage

Length o.a.	144.1 m
Length b.p.p	133.8 m
Breadth moulded	26.7 m
Depth to Main Deck	14.1 m
Draft (bottom keel)	6.0 m / 8.1 m
Displacement (at 7.5m)	20,120 mt
Deadweight (at 7.5m)	10,942 mt
GRT	15,022 mt
NRT	4,506 mt

Main Deck/Cargo Hold	Area	Strength
Main Deck	3,100 m^2	9-12 mt/m^2
Tween Deck	1,700 m^2	7 mt/m^2
Lower Hold/Tank top	1,400 m^2	12 mt/m^2

Power Plant

Main Engines	2x MAN 9L 32/40 4,320 kW
Auxiliary Engines	1x Caterpillar 3516B 1,824 kW/ea
	1x Caterpillar 3508B 740 kW/ea
Shaft Generators	2x AEM SE 630 M4 3,000 kW/ea
Emergency Generator	1x 280 kW

Propulsion Plant

Stern Main Thrusters	2x Wartsila CPP
Bow Thrusters	1x Wartsila 1,450 kW 1x Rolls Royce 1,500 kW
Retractable Azimuth Thruster	1x Wartsila 1,700 kW

Service Speed

Transit max.	17 Knots
Economical	14 Knots

Dynamic Positioning System

DP System	Kongsberg
Reference systems	3x DGPS
	1x HiPaP system
(Optional)	1x Tautwire system
(Optional)	1x RaDius system/Fanbeam
MRU	2x MRU
Wind sensors	3x Wind sensor

Cranage

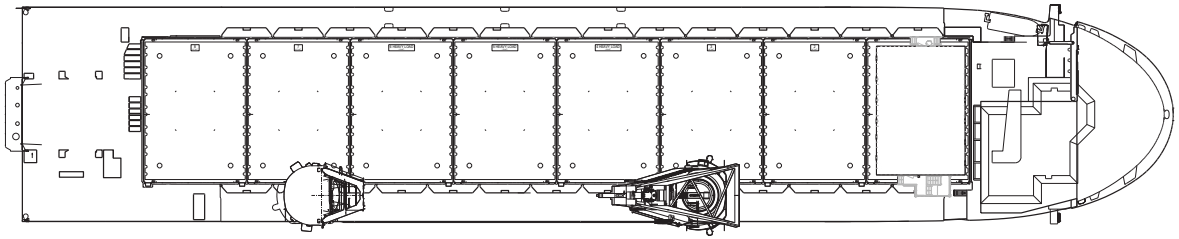
Cranes/Type	Huisman Mast Cranes
	2x 900 mt Revolving
Heavy Lift Capacity	1,000 mt (Offshore)
	1,800 mt (Calm Water/Harbor)
Heave Compensation	Passive Heave Compensators
	project specific/tailor made
Ancillary Lifting	Auxiliary Hoists: 2x 37,5 mt
	Travel Trolley
	Sling Handling Hoists: 2x 10 mt
	Tugger Winches: 2x 25 mt (constant tension)
(Optional)	700 mt Flyjib (17 m boom ext.)

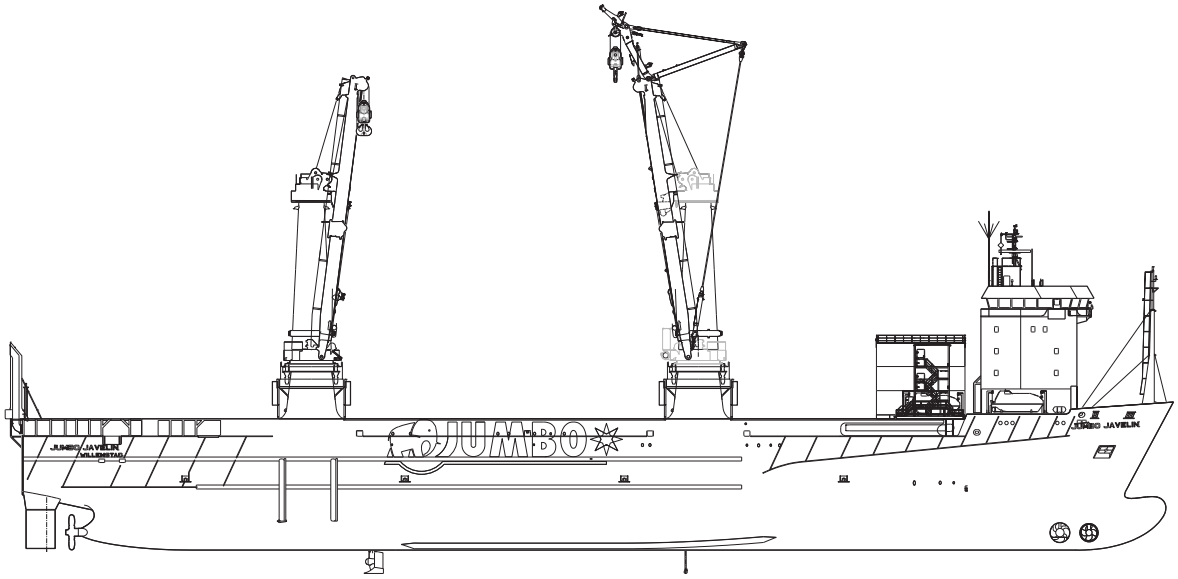
Capacities

Fuel Oil	1,270 mt IFO/209 mt MGO
Fresh water	141 mt

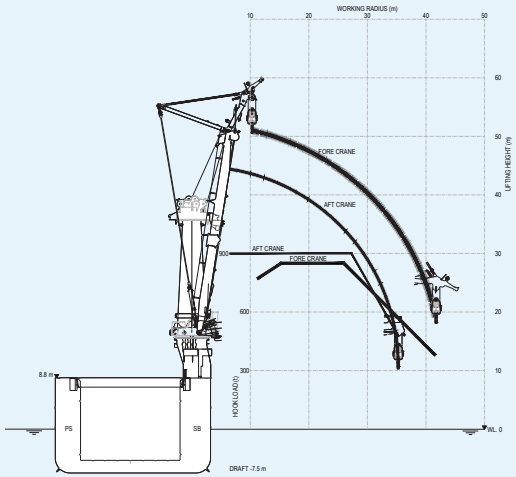
Accommodation

Accommodation	78 persons
	10x single cabins
	34x double cabins

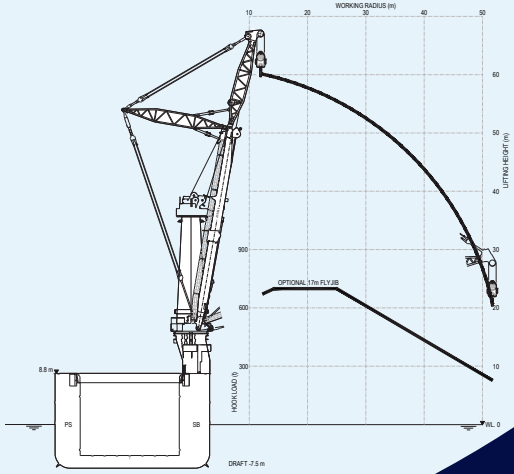




Standard Configuration



Optional 700 mt Flyjib (17 m boom extension)



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