JUMBO OFFSHORE

DP2 Heavy Lift Crane Vessel

Fairplayer

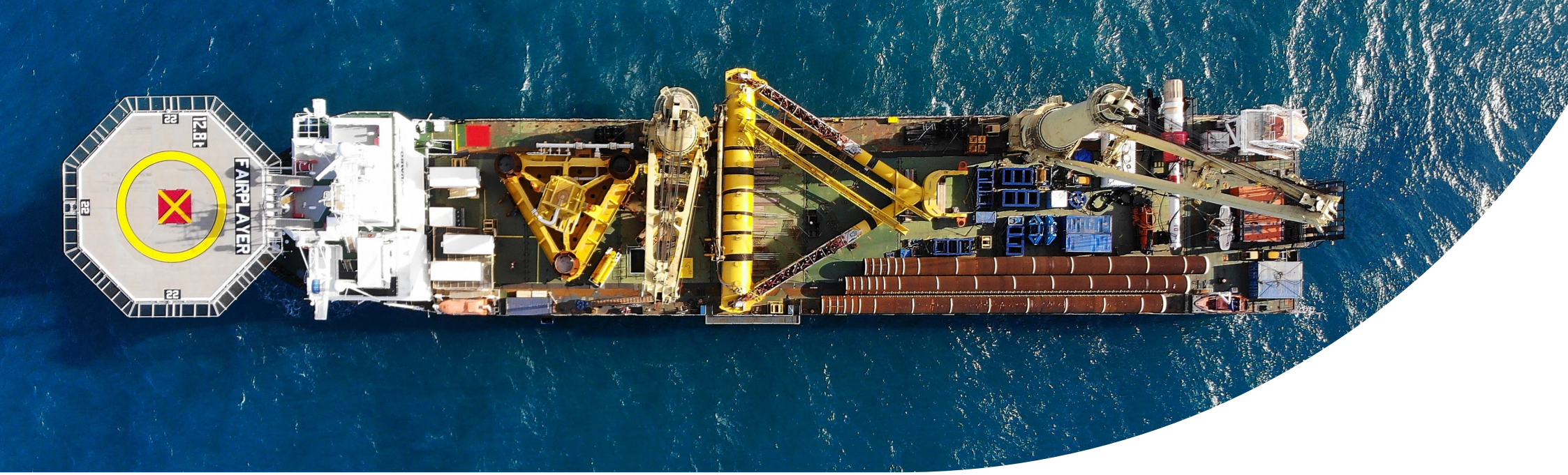
A multi-functional dynamic positioned Heavy Lift Crane Vessel (HLCV) well suited to the offshore requirements of the Energy Industry worldwide.



Measurements

Length	155m
Breadth	26.7m
Depth	14.1m
Accommodation	75 POB
Helideck	Sikorsky S-92
Transit Speed	17 Knots
Mast Cranes	2 x 900 mt
Depth rating	3,000 m

Member of JSI/ALLIANCE



Capabilities

Quayside-to-Seabed

Offering versatility, high transit speed, fuel economy and the ability to work in deep-water and challenging offshore environments, the Fairplayer provides cost-effective transport and installation solutions. An exceptionally large, flush working deck and a multi-level cargo hold enable the Fairplayer to add project equipment 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 Fairplayer is a large vessel with motion characteristics that allow safe working in challenging offshore environments. The high free-board protects crew and cargo in harsh weather conditions. A key at-tribute of Fairplayer is its fast, economical transit speed, saving time and operating costs in remote, logistically challenging locations.
On location, its method of lifting all components from its own deck ensures maximum safety, installation control, and workability.

Dual- Crane Deepwater Heavy Lifting

Fairplayer is equipped with two mast cranes with a Safe Working Load (SWL) of 900 mt each. The dual cranes provide tandem heavy-lift capacity, dual-crane upending capability, and deepwater lowering capability. The subsea cranes allow lifting and accurate positioning of subsea structures in water depths up to 3,000 m.

Large Main Deck and adjustable Cargo Hold

The main deck has an exceptionally large working area of 3,100 m2 and offers a loading capacity of 12 mt/m2. The adjustable tween deck has an area of 1,700 m2 and offers a loading capacity of 7 mt/m2, and the lower hold area of 1,400 m2 has a loading capacity of 12 mt/m2.

Dynamic Positioning (DP) System

The Fairplayer is fitted with a fully redundant Kongsberg SDP 21 Dynamic Positioning (DP2) System , enabling her to maintain her position during all offshore installation activities.

ROV Operations

For subsea operations the Fairplayer is outfitted with one or two Work Class ROV systems, rated to 3,000m depth (optionally WROVs with higher depth rating can be provided).

Accommodation

The modern living quarters are equipped to accommodate up to 75 persons and adhere to the latest requirements.

Helideck

The helicopter deck is certified for Sikorsky S-92 with a take-off weight of max 12.8 mt. Certified according to CAP437.

Specifications

General

Call sign	PHPU
IMO no.	9371579
Built	2008
Flag	The Netherlands
Port of Registry	Rotterdam
Classification	Lloyd's Register+ 100A1, Strengthened for Heavy Cargos LMC, UMS, CG, LI, DP (AA), IWS, SPS

Principal Dimensions/Tonnage

Length o.a.	155m
Length b.p.p	133.8m
Breadth moulded	26.7m
Depth to Main Deck	14.1m
Draft (bottom keel)	6.0m / 8.1m
Displacement (at 7.5m)	20,120 mt
Deadweight (at 7.5m)	10,700 mt
GRT	15,027 mt
NRT	5,244 mt

Main Deck/Cargo Hold	Area	Strength
Main Deck	3,100 m2	9-12 mt/m2
Tween Deck	1,700 m2	7 mt/m2
Lower Hold/Tank top	1,400 m2	12 mt/m2

Power Plant

Main Engines	2 x MAK 9M 32C 4,500 kW
Auxiliary Engines	2 x Caterpillar 3516B 1,824 kW/ea
Shaft Generators	2 x AEM SE 630 M4 3,000 kW/ea
Emergency Generator	1 x 465 kW

Propulsion Plant

Stern Main Thruster	2 x Wartsila CPP
Bow Tunnel Thruster	2 x Wartsila 1,500 kW
Retractable Azimuth Thruster	1 x 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
	2 x 900 mt Revolving
Heavy Lift Capacity	1,000 mt (Offshore)
	1,800 mt (Calm Water/Harbor)
Subsea Lift Capacity	1,000 mt at 1,000 m water depth
	660 mt at 1,500 m water depth
	280 mt at 2,000 m water depth
	200 mt at 3,000 m water depth
Heave Compensation	Passive Heave Compensators
	project specific/tailor made
Ancillary Lifting	Auxiliary Hoists: 2 x 37,5 mt
	Travel Trolley
	Sling Handling Hoists: 2 x 10 mt
	Tugger Winches: 2 x 25 mt / crane
	(constant tension)
(Optional)	700 mt Flyjib (17 m boom extension)

Capacities

Fuel Oil	1,340 mt I.F.O/290 mt M.G.O
Fresh water	200 mt

Accommodation/Helideck

Accommodation	up to 75 persons
	13 x single cabins
	31 x double cabins
Helideck	12.8 mt (Sikorsky S-92-CAP437)

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Cranage

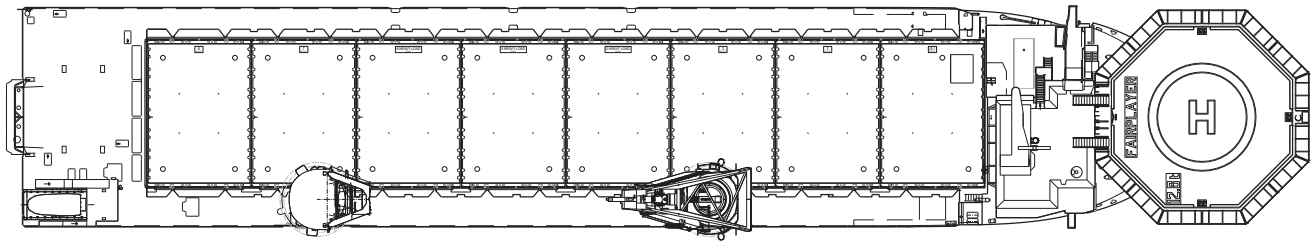
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Ancillary Lifting	Auxiliary Hoists: 2 x 37,5 mt Travel Trolley Sling Handling Hoists: 2 x 10 mt Tugger Winches: 2 x 25 mt / crane (constant tension)
(Optional)	700 mt Flyjib (17 m boom ext.)

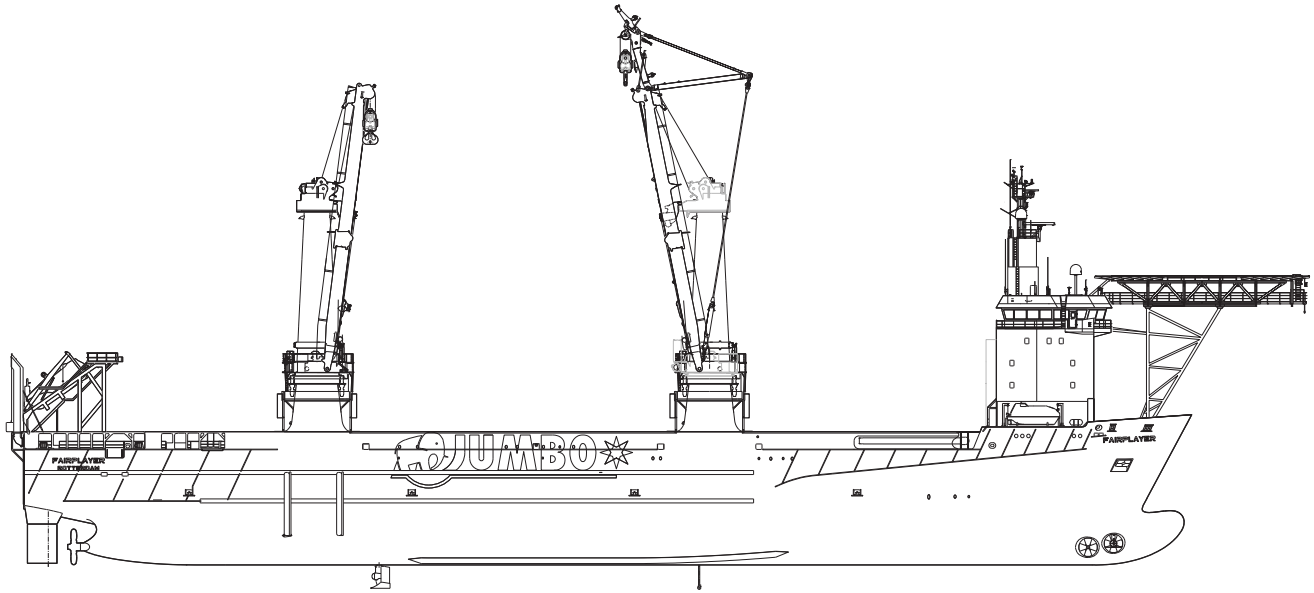
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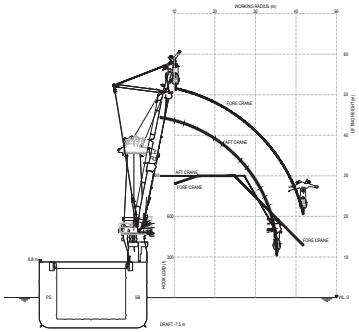
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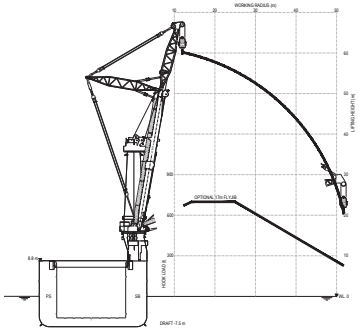




Standard Configuration



Optional 700 mt Flyjib (17 m boom extension)



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HQ Office
Havenstraat 23
3115 HC SCHIEDAM
The Netherlands

APAC Office
6 Temasek Boulevard,
Suntec Tower 4, #19 01,
Singapore 038986

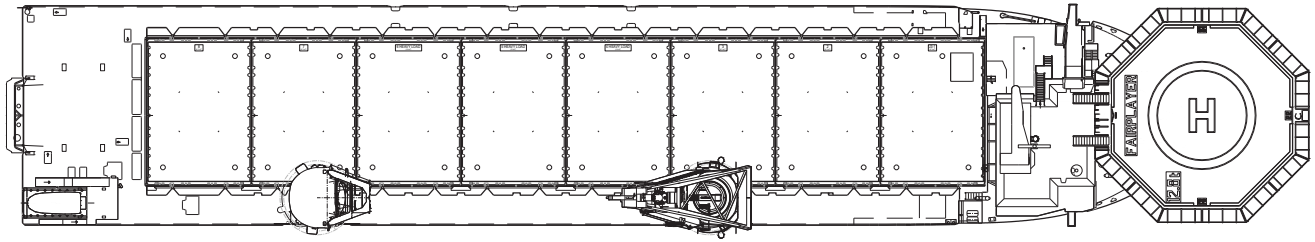
Americas Office
2900 North Loop West, Suite 1100
Houston, Texas, 77092
USA

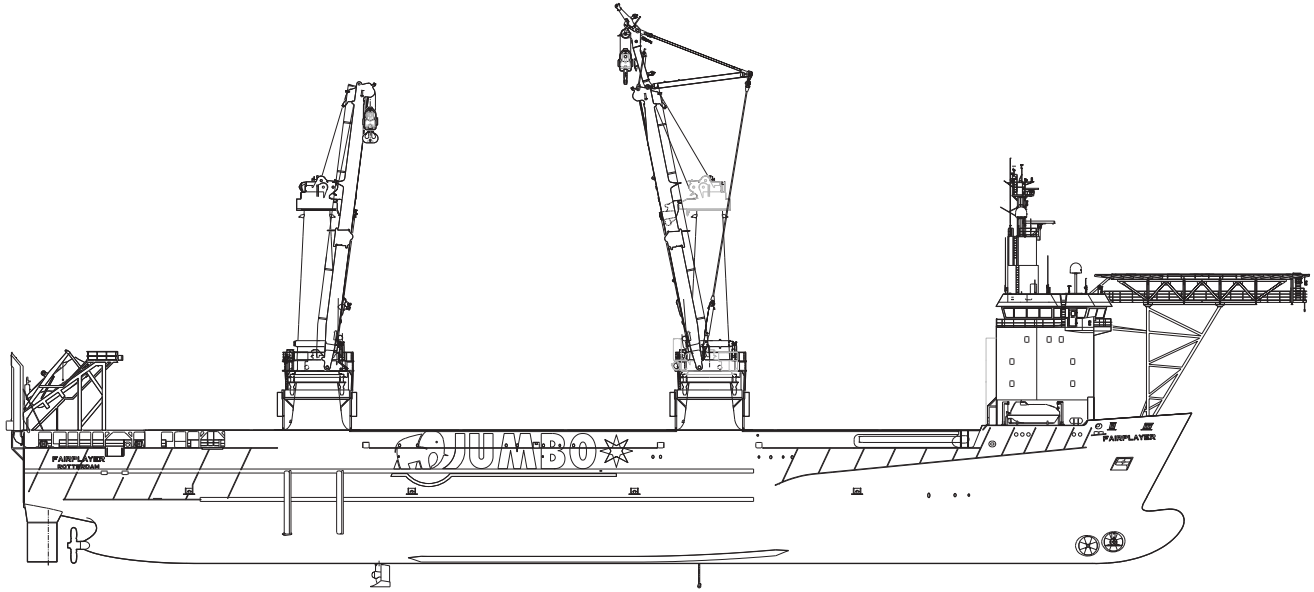
Contact
offshore@jumbomaritime.nl
www.jumbomaritime.nl

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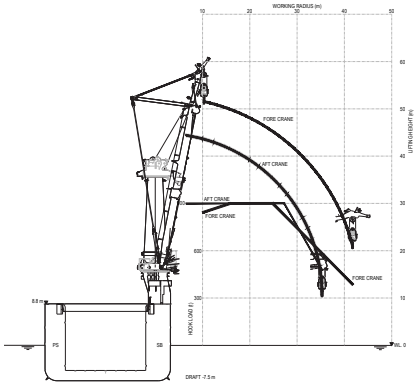
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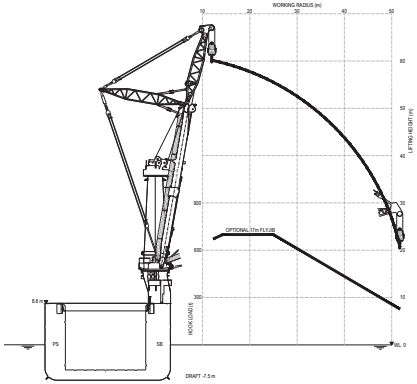




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2900 North Loop West, Suite 1100
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Singapore 038986

Contact
offshore@jumbomaritime.nl
www.jumbomaritime.nl