

## DEFENDER

The Defender is an Independent Leg Cantilever Jack-Up with operational history in Asia and the Gulf of Mexico.



GENERAL (U.S.)	
Built	2007 Keppel AmFELS
Design	LeTourneau Super 116C Independent Leg Cantilever
Flag/Class	Singapore / ABS
Helideck	S61N & S92
Accommodations	102 Persons
Dimensions	243 ft Long / 206 ft Wide / 26 ft Deep
Draft	16 ft Transit
Displacement	25,800 st at Loadline
Variable Load	2,217 st Transit / 3,007 st Drilling
Max. Drilling Depth	30,000 ft
Max. Water Depth	Up To 350 ft
Legs	3 x 477 ft Square Truss / 420 ft Useable Below Hull
Leg Spacing	142 ft Transverse / 129 ft Longitudinal
Spudcans	46 ft Diameter
Jacking System	LeTourneau 16 x Pinions / Leg
Mooring Winches	2 x NOV Amclyde JU-36 50 HP 25 st Pull
Mooring Lines	2 x 2,000 ft 1-1/2" Diameter IWRC
Anchors	2 x Flipper Delta 5.51 st
STORAGE CAPACITIES	
Fuel	2,024 bbl
Drill Water	11,300 bbl
Potable Water	1,658 bbl
Active/Reserve Liquid Mud	3,046 bbl
Base Oil	1,124 bbl
Brine	800 bbl
Bulk Bentonite / Barite	6,400 ft <sup>3</sup>
Bulk Cement	4,800 ft <sup>3</sup>
Sack Storage	5,000 Sacks
DRILLING PACKAGE	
Cantilever Envelope	70 ft x 30 ft

Derrick	NOV Dreco 170 ft Tall with 32 ft x 35 ft Base 964.3 st Gross Nominal Capacity
Top Drive	NOV TDS-8SA Rated for 750 st Hoisting Capacity Max. Continuous Torque 62,500 ft-lbs
Drawworks	National 1625 UBDE w/ 1-5/8" Drill Line Max. Line Pull 12 Lines of 862.5 st
Rotary Table	NOV-495, 49.5" Max. Opening
Tubular Handling	NOV st-120 Iron Roughneck
Mud Pumps	3 x LEWCO w-2214, 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	4 x Quad VSM 300

### POWER

Main Engines	4 x Caterpillar 3516B HD 2,150 HP Diesel Engines
Main Generators	4 x Baylor 2,011 HP
Emergency Power	1 x Caterpillar 3516B Hd 2,150 HP Diesel Engine (Separate From 4 Main Engines)

### WELL CONTROL

BOP (LP)	Cameron Type U 21-1/4" 3 x RAM 2,000 psi 1 x Shaffer Spherical Annular 21-1/4" 2,000 psi
BOP (HP)	Cameron Type U 13-5/8" 4 x RAM 15,000 psi 1 x Shaffer Spherical 13-5/8" 10,000 psi
Diverter	1 x Shaffer Spherical 30" 1,000 psi
BOP Handling	2 x Ingersoll-Rand 82.6 st Hoist
Choke & Kill Manifold	WOM 15,000 psi
Conductor Tensioning	Hydraulic Aqualink 300F 4 x Lift Points Total Tension 150 st

### CRANES

Primary Cranes	1 x LeTourneau PCM120ss 120 ft Boom Rated for 41.6 st at 25 ft Radius, Port FWD 2 x LeTourneau PCM120ss 100 ft Boom Rated for 49.2 st at 22 ft Radius, Port AFT, STBD AFT
X-Mas Tree Handling	2 x Ingersoll-Rand 82.6 st Hoist

### Further information: +52 938 120 24 23

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GENERAL (METRIC)	
Built	2007 Keppel AmFELS
Design	LeTourneau Super 116C Independent Leg Cantilever
Flag/Class	Singapore / ABS
Helideck	S61N & S92
Accommodations	102 Persons
Dimensions	74.1 m Long / 62.8 m Wide / 7.9 m Deep
Draft	4.9 m Transit
Displacement	23,412 mt at Loadline
Variable Load	2,012 mt Transit / 2,729 mt Drilling
Max. Drilling Depth	9,144 m
Max. Water Depth	Up to 106.7 m
Legs	3 x 145.4 m Square Truss / 128 m Useable Below Hull
Leg Spacing	43.3 m Transverse / 39.3 m Longitudinal
Spudcans	14 m Diameter
Jacking System	LeTourneau 16 x Pinions/Leg
Mooring Winches	2 x NOV Amclyde Ju-36 67 kW 22.7 mt Pull
Mooring Lines	2 x 609.6 m 38.1 mm Diameter IWRC
Anchors	2 x Flipper Delta 5 mt
STORAGE CAPACITIES	
Fuel	322 m <sup>3</sup>
Drill Water	1,797 m <sup>3</sup>
Potable Water	264 m <sup>3</sup>
Active/Reserve Liquid Mud	484 m <sup>3</sup>
Base Oil	179 m <sup>3</sup>
Brine	127 m <sup>3</sup>
Bulk Bentonite / Barite	181 m <sup>3</sup>
Bulk Cement	136 m <sup>3</sup>
Sack Storage	5,000 Sacks
DRILLING PACKAGE	
Cantilever Envelope	21.3 m x 9.1 m

Derrick	NOV Dreco 39.6 m Tall with 9.8 m x 10.7 m Base 875 mt Gross Nominal Capacity
Top Drive	NOV TDS-8SA Rated for 680.6 mt Hoisting Capacity Max. Continuous Torque 84,739 nm
Drawworks	National 1625 UBDE w/41.275 mm Drill Line Max Line Pull 12 Lines of 782.7 mt
Rotary Table	NOV-495, 1.257 M Max Opening
Tubular Handling	NOV st-120 Iron Roughneck
Mud Pumps	3 x LEWCO w-2214, 1640.53 kW
HP Mud System	Rated for 517 Bar
Shale Shakers	4 x Quad VSM 300
POWER	
Main Engines	4 x Caterpillar 3516B HD 1,603 kW Diesel Engines
Main Generators	4 x Baylor 1,500 kW
Emergency Power	1 x Caterpillar 3516B Hd 1,603 kW Diesel Engine (Separate From 4 Main Engines)
WELL CONTROL	
BOP (LP)	Cameron Type U 53.975 cm 3 x RAM 138 Bar 1 x Shaffer 1 x Shaffer Spherical 53.975 cm 138 Bar
BOP (HP)	Cameron Type U 34.6075 cm 4 x RAM 1,034 Bar 1 x Shaffer Spherical 34.6075 cm 689 Bar
Diverter	1 x Shaffer Spherical 76.20 cm 69 Bar
BOP Handling	2 x Ingersoll-Rand 75 mt Hoist
Choke & Kill Manifold	WOM 15,000 Psi
Conductor Tensioning	Hydraulic Aqualink 300F 4 x Lift Points Total Tension 136 mt
CRANES	
Primary Cranes	1 x LeTourneau PCM120ss 36.6 m Boom Rated for 37.8 mt at 7.6 m Radius, Port FWD 2 x LeTourneau PCM120ss 30.5 m Boom Rated for 44.6 mt at 6.7 m Radius, Port AFT, STBD AFT
X-Mas Tree Handling	2 x Ingersoll-Rand 75 mt Hoist

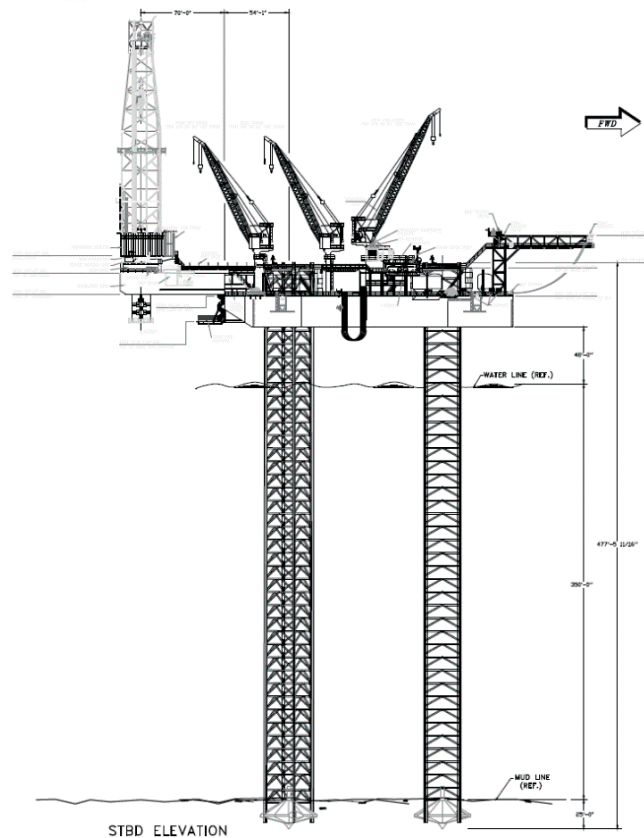
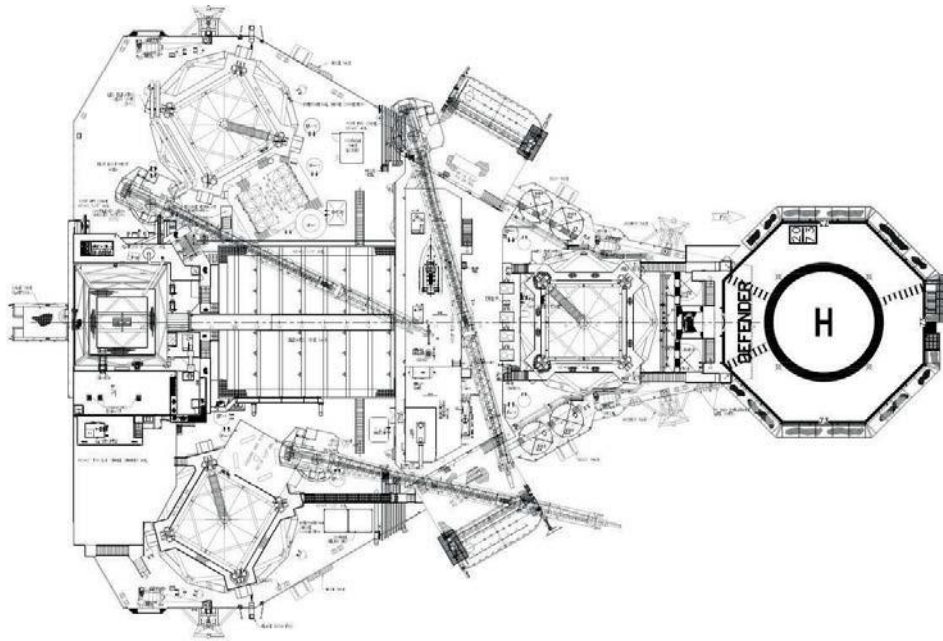
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