

COURAGEOUS

The Courageous is an Independent Leg Cantilever Jack-Up
with operational history in Asia, the Middle East and the Gulf of Mexico



GENERAL (U.S.)

Built	2007 Keppel AmFELS
Design	LeTourneau Super 116C Independent Leg Cantilever
Flag/Class	Singapore / ABS
Dimensions	243 ft Long / 206 ft Wide / 26 ft Deep 298 ft long including Heliport
Cantilever Envelope	70 ft x 15 ft x 15 ft
Draft	16 ft Transit
Displacement	25,800 kips at Load line
Variable Load	4,395 kips Transit 5,974 kips Drilling
Accommodations	110 Persons
Helideck	S61N & S92
Max. Water Depth	Up To 350 ft
Max. Drilling Depth	30,000 ft
Legs	3 x 477 ft Square Truss 420 ft Useable Below Hull
Legs Spacing	142 ft Transverse 129 ft Longitudinal
Spud cans	46 ft Diameter
Jacking System	LeTourneau 16 x Pinions / Leg
Mooring Winches	4 x NOV Amclyde JU-36 50 HP 50 kips Pull
Mooring Lines	4 x 2,000 ft 1-1/2" Diameter IWRC
Anchors	4 x Flipper Delta 10 kips

STORAGE CAPACITIES

Fuel	2,024 bbls
Drill Water	11,300 bbls
Potable Water	1,658 bbls
Liquid Mud	3,046 bbls
Base Oil	1,124 bbls
Brine	800 bbls
Bulk Bentonite / Barite	6,400 ft ³
Bulk Cement	4,800 ft ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Top Drive	NOV TDS-8SA Rated for 1500 kips Hoisting Capacity Max. Continuous Torque 62,500 lbf-ft
Drawworks	National 1625 UBDE w/ 1-5/8" Drill Line. Maximum Line Pull: 12 Lines of 1725 kips
Rotary Table	NOV-495, 49.5", 1,500kips
Tubular Handling	IR NOV ST-120, M/U 100klbf-ft
Derrick	NOV Drecto 170 ft Tall with 32 ft x 35 ft Base 2000 kips Gross Nominal Capacity
Mud Pumps	3 x LEWCO w-2214, 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	4 x Brandt VSM 300 1 x Brandt King Cobra Mud Cleaner

WELL CONTROL

BOP (Low Pressure)	1 X Annular Shaffer Spherical 21 1/4" - 2000 psi 2 x Ram Cameron Type U 21 1/4" - 2000 psi 1 X Blind/Shear ram Cameron 20 3/4" - 3000 PSI
BOP (High Pressure)	1 x Annular Cameron Type DL 13 5/8" - 10,000 psi 2 x double ram Cameron Type U 13-5/8" 10,000 psi
Diverter	1 x Shaffer Spherical 30" 1,000 psi
BOP Handling	2 x Ingersoll-Rand 170 kips Hoist
Choke & Kill Manifold	WOM 15,000 psi
Conductor Tensioning	Claxton Hydraulic 4 x Lift Points Total Tension 440 kips

CRANES

Primary Cranes	1 x Seatrax S5624 110 ft Boom, Port 96.6 kips @ 25 ft Radius. 2 x LeTourneau PCM120SS, 100ft boom 98.4 kips @ 22 ft radius, Main boom, 20 kips @ 100 ft radius, Auxiliary boom, STBT and AFT
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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 (In addition to 4 Main Engines)

Further information: +52 938 135 75 70

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GENERAL (METRIC)

Built	2007 Keppel AmFELS
Design	LeTourneau Super 116C Independent Leg Cantilever
Flag/Class	Singapore / ABS
Dimensions	75.7 m Long / 63 m Wide / 7.9 m Deep 90.8 m long including Heliport
Cantilever Envelope	21.4 m x 4.6 m x 4.6 m
Draft	4.9 m Transit
Displacement	11700 mt at Load line
Variable Load	2,000 mt Transit 2,715 mt Drilling
Accommodations	110 Persons
Helideck	S61N & S92
Max. Water Depth	Up To 106.7 mt
Max. Drilling Depth	9,144 m
Legs	3 x 145.5 m Square Truss 128 m Useable Below Hull
Legs Spacing	43.3 m Transverse 39.3 m Longitudinal
Spud cans	14 m Diameter
Jacking System	LeTourneau 16 x Pinions / Leg
Mooring Winches	4 x NOV Amclyde JU-36 67 kW 22.7 mt Pull
Mooring Lines	4 x 609.6 m 38.1 mm Diameter IWRC
Anchors	4 x Flipper Delta 5 mt

STORAGE CAPACITIES

Fuel	322 m ³
Drill Water	1,799 m ³
Potable Water	264 m ³
Liquid Mud	541 m ³
Base Oil	179 m ³
Brine	127 m ³
Bulk Bentonite / Barite	181 m ³
Bulk Cement	136 m ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Top Drive	NOV TDS-8SA Rated for 680 mt Hoisting Capacity Max. Continuous Torque 84,739 nm
Drawworks	National 1625 UBDE w/ 4.12 cm Drill Line. Maximum Line Pull: 12 Lines of 784 mt
Rotary Table	NOV-495, 1.25 m, 680 mt
Tubular Handling	IR NOV ST-120, M/U 135 Knm
Derrick	NOV Drecto 51.8 m Tall with 9.75m x 10.7m Base, 909 mt Gross Nominal Capacity
Mud Pumps	3 x LEWCO w-2214, 1633 kw
HP Mud System	Rated for 517 Bar
Shale Shakers	4 x Brandt VSM 300 1 x Brandt King Cobra Mud Cleaner

WELL CONTROL

BOP (Low Pressure)	1 X Annular Shaffer Spherical 53.975 cm -137 bar 2 x Ram Cameron Type U 53.975 cm - 137 Bar 1 X Blind/Shear ram Cameron 52.7 cm - 207 Bar
BOP (High Pressure)	1 x Annular Cameron Type DL 34.6cm - 689 Bar 2 x double ram Cameron Type U 34.6cm – 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 1,034 Bar (15,000 psi)
Conductor Tensioning	Claxton Hydraulic 4 x Lift Points Total Tension 200 mt

CRANES

Primary Cranes	1 x Seatrax S5624 33.6 m boom, Port 43.9 mt @ 7.6 mt Radius. 2 x LeTourneau PCM120SS, 30.5m boom 45mt @ 6.7mt radius, Main boom, 9.1mt @30.5m radius, Auxiliary boom, STBT and AFT
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POWER

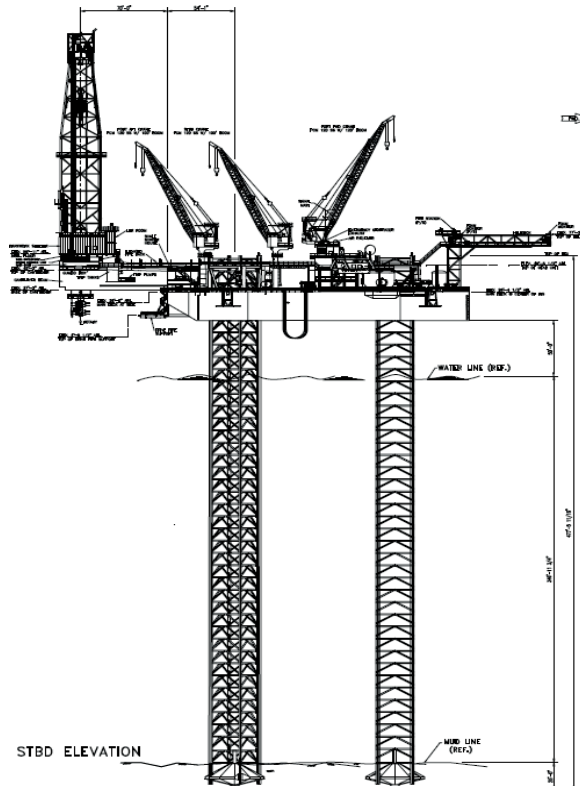
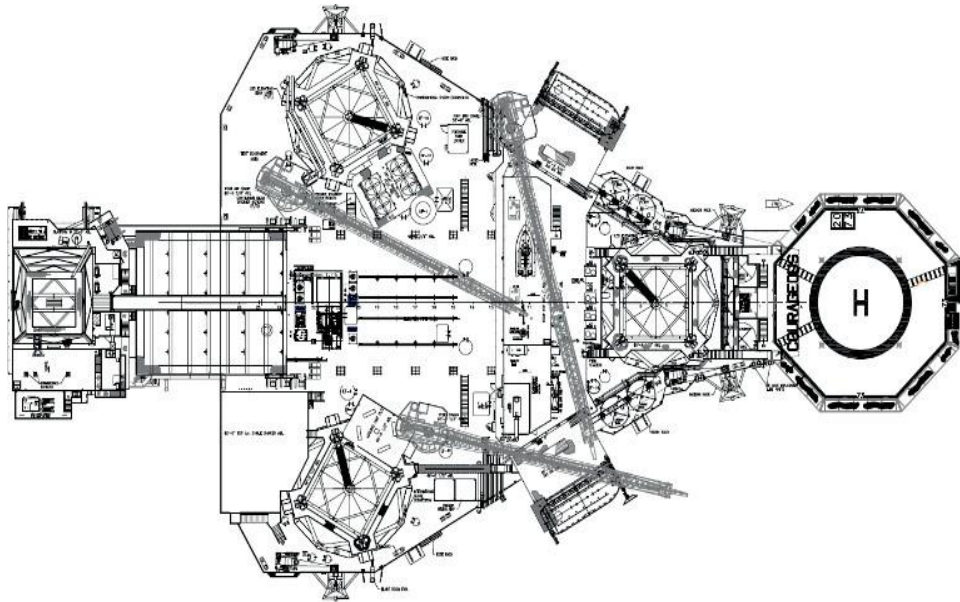
Main Engines	4 x Caterpillar 3516B HD 1,603 kW Diesel Engines
Main Generators	4 x Baylor 1,500 kW
Emergency Power	1 x Caterpillar 3516B HD 1,603 kW Diesel Engine (In addition to 4 Main Engines)

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