

TITANIA FE

The Titania FE is an Independent Leg Cantilever Jack-Up with operational history in the Gulf of Mexico.



GENERAL (U.S.)

Built	2014 Dalian Shipyard, China
Design	Friede & Goldman JU2000E
Flag/Class	Singapore / ABS
Dimensions	231 ft Long / 249 ft Wide / 31 ft Deep. 323.8 ft long including Heliport
Cantilever Envelope	75 ft x 15 ft x 15 ft
Draft	22 ft Transit
Displacement	50,693 kips at Load line
Variable Load	6,600 kips Transit 15,500 kips Drilling
Accommodations	140 Persons
Helideck	S61N & S92
Max. Water Depth	Up To 400 ft
Max. Drilling Depth	35,000 ft
Legs	3 x 548 ft Triangular Truss 479 ft Useable Below Hull
Legs Spacing	156 ft Transverse 150 ft Longitudinal
Spud cans	59 ft Diameter
Jacking System	F&G, 18 x Pinions/Leg
Mooring Winches	4 x Pellegrini AT40000/E, 120 HP 88 kips Pull
Mooring Lines	4 x 3,000 ft, 2 in Diameter IWRC
Anchors	4 x Chongqing Penxiang- Delta HHP 16.5 kips

STORAGE CAPACITIES

Fuel	4,041 bbls
Drill Water	8,292 bbls
Potable Water	3,425 bbls
Liquid Mud	4,337 bbls
Base Oil	1,340 bbls
Brine	1,340 bbls
Bulk Bentonite / Barite	9,888 ft ³
Bulk Cement	9,888 ft ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Top Drive	TTS-STD 1000 AC Rated for 2,000 kips hoisting capacity max. Continuous torque 98,000 lbf-ft
Drawworks	TTS, Ultrahoist SG 1060-6000 w/ 2" Drill Line Max. line pull 16 Lines of 2120 kips
Rotary Table	TTS-HYD Powered, 49.5" Max. Opening"
Tubular Handling	TTS-JIM 10T LR Iron Roughneck
Derrick	TTS, Type DD-1000 III, 210 ft Tall with 40 ft Base 2500 kips Gross Nominal Capacity
Mud Pumps	3 x AKER Wirth, TPK-2200, 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	4 x MI SWACO MD-3

WELL CONTROL

BOP (High Pressure)	1 x Annular Cameron DL 18-3/4" 10,000 Psi 2 x double ram Cameron TL 18-3/4" 15,000 Psi
Diverter	1 x KFDJ Vetco Gray Spherical 49.5" 500 PSI
BOP Handling	2 x TTS 150 kips Hoist
Choke & Kill Manifold	Cameron 15,000 PSI
Conductor Tensioning	TSC 8 x lift points Total Tension 300 Kips.

CRANES

Primary Cranes	3 x Liebherr CBO 3600-75 120 ft boom 92 kips @ 120 ft radius, Main boom 33 kips @ 120 ft radius, Auxiliary boom.
Pipe Handling Crane	TTS, Type: PDC GPOKTcp 680-12-25, Class: ABS + CDS, SWL: 10 T (6-15M) / 7 T (3.2-21m) SWL: 5 T (3.2-23M) GRIPPER

POWER

Main Engines	6 x Caterpillar 3516B HD 2,057 HP Diesel Engines
Main Generators	6 x Caterpillar SR4B 2,057 HP
Emergency Power	1 x Caterpillar C-32 1,207 HP Diesel Engine 1 x Leroy Somer LSAM 50.2M6 Generator, 900 kW. (In addition to 6 Main Engines)

Further information: +52 938 135 75 70

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GENERAL (METRIC)

Built	2014 Dalian Shipyard, China
Design	Friede & Goldman JU2000E
Flag/Class	Singapore / ABS
Dimensions	70.4 m Long / 76 m Wide / 9.4 m Deep 323.8 m long including Heliport
Cantilever Envelope	22.9 m x 4.6m x 4.6m
Draft	6.7 m Transit
Displacement	22,994.4 mt at Load line
Variable Load	2,295 mt Transit 7,031 mt Drilling
Accommodations	140 Persons
Helideck	S61N & S92
Max. Water Depth	Up To 122 mt
Max. Drilling Depth	10,668 m
Legs	3 x 169.9 m Triangular Truss 146 m Useable Below Hull
Legs Spacing	47.6 m Transverse 45.7 m Longitudinal
Spud cans	18 m Diameter
Jacking System	F&G, 18 x Pinions/Leg
Mooring Winches	4 x Pellegrini AT40000/E, 89.5 Kw 40 mt Pull
Mooring Lines	4 x 914.4 m 50.8 mm Diameter IWRC
Anchors	3 x Chongqing Penxiang- Delta HHP 7.5mt

STORAGE CAPACITIES

Fuel	643 m ³
Drill Water	1,318 m ³
Potable Water	545 m ³
Liquid Mud	690 m ³
Base Oil	213 m ³
Brine	213 m ³
Bulk Bentonite / Barite	280 m ³
Bulk Cement	280 m ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Top Drive	TTS-STD 1000 AC Rated for 907.2 mt Hoisting capacity max. Continuous torque 84,400 Nm
Drawworks	TTS, Ultrahoist SG 1060-6000 w/ 50.8 mm Drill Line Max. line pull 16 Lines of 961.6 mt
Rotary Table	TTS-HYD Powered, 1.26 m Max. Opening*
Tubular Handling	TTS-JIM 10T LR Iron Roughneck
Derrick	TTS, Type DD-1000 III, 64 m Tall with 12.2 m x 12.2 m base 1,136 mt gross nominal capacity
Mud Pumps	3 x AKER Wirth, TPK-2200, 1640.5 kW
HP Mud System	Rated for 517 bar
Shale Shakers	4 x MI SWACO MD-3

WELL CONTROL

BOP (High Pressure)	1 x Annular Cameron DL 47.62 cm, 690 psi 2 x double ram Cameron TL 47.62 cm; 1,034 bar
Diverter	1 x KFDJ Vetco Gray Spherical 125.7cm 34 bar
BOP Handling	2 x TTS 68 mt Hoist
Choke & Kill Manifold	Cameron 1,034 bar
Conductor Tensioning	TSC 8 x Lift Points Total Tension 272.2 mt

CRANES

Primary Cranes	3 x Liebherr CBO 3600-75 36.6 m boom 41.9 mt @ 36.5 m radius, Main boom 15 mt @ 36.5 m radius, Auxiliary boom
Pipe Handling Crane	TTS, Type: PDC GPOKTcp 680-12-25, Class: ABS + CDS, SWL: 10 T (6-15M) / 7 T (3.2-21m) SWL: 5 T (3.2-23M) GRIPPER

POWER

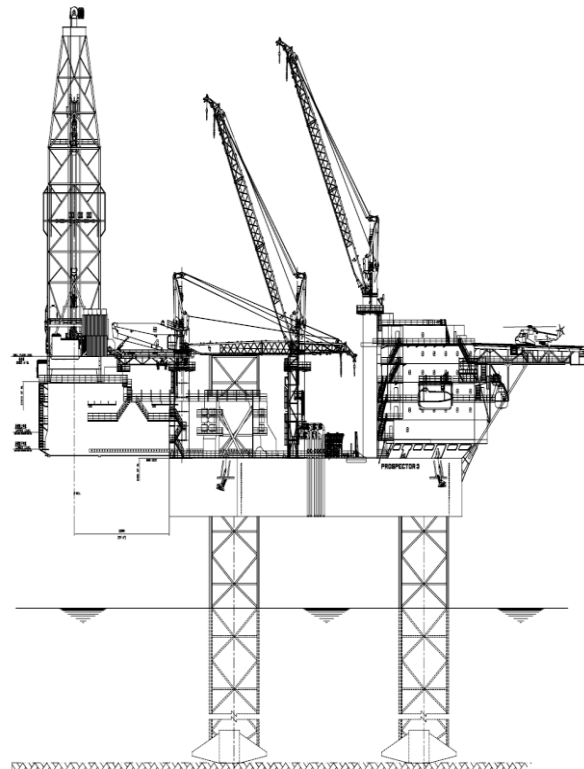
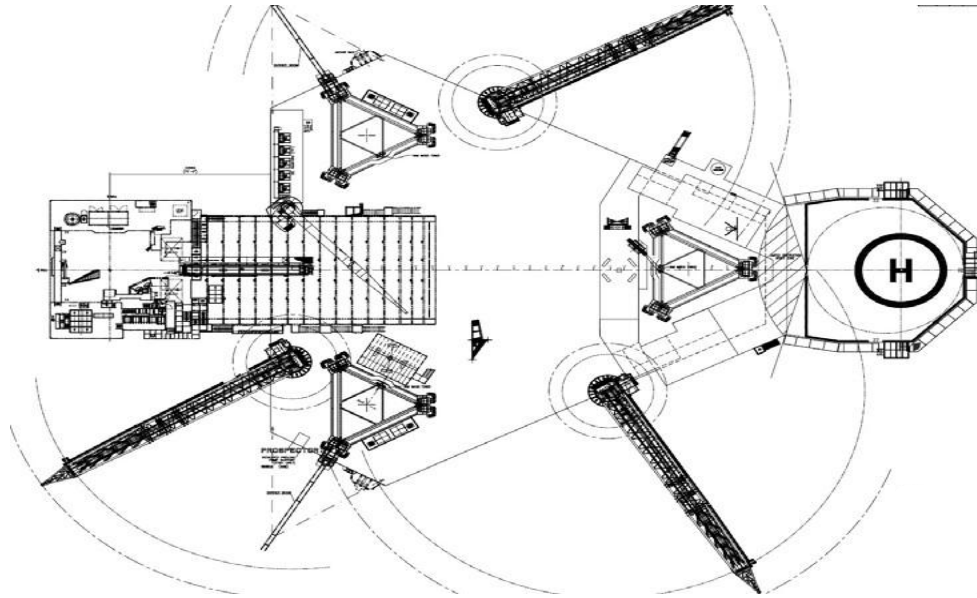
Main Engines	6 x Caterpillar 3516B HD 1,603 kW Diesel Engines
Main Generators	6 x Caterpillar SR4B 1,534 kW
Emergency Power	1 x Caterpillar C-32 900 kW Diesel Engine 1 x Leroy Somer LSAM 50.2M6 Generator, 900 kW (In addition to 6 Main Engines)

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