

Joro

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High Specification Jackup

General Description

Design / Generation	Gusto MSC CJ50 X 100 MC
Constructing Shipyard	Keppel FELS Shipyard, Singapore
Year Entered Service / Significant Upgrades	2009
Classification	ABS,A1, Self-Elevating Drilling Unit
Flag	Marshall Islands
Overall Dimensions	.230 ft.long x 223 ft.wide x 31 ft deep
Legs	(3) 480ft. long, Triangular
Drafts	18ft transit
Accommodation	110 persons
Displacement	49,360 kips
Variable Deck	10,450kips operating / 5,842 kips transit (spud cans full)

Operating Water Depth.....350 ft. designed / 350 ft. outfitted

Maximum Drilling Depth..... 30,000ft

Drilling Equipment

Derrick	MH / Bolted Derrick 210 ft. high, with 46 ft. x 46 ft. base
Hookload Capacity	1,500,000lbs gross nominal capacity
Cantilever/ Drill floor	70 / 45ft (x-y skidding system)
Drawworks	Wirth GH 4,500 EG-AC-LV. 3 x GEB 2,2A3 AC motors suitable for 1-3/4" drill line
Rotary Table	Wirth RST / 49-1/2" table opening Hydraulic drive, rated 749.36st
Top Drive	MH DDM-750-AC, 750st static/dynamic load rating 1270hp Electric AC motor. Max speed 220rpm, Max continuous torque 60,400 ft.-lbs. Max MU/BO torque 127,000 ft-lbs
Tubular Handling Diverter	(1) Maritime Hydraulics MH1899 3-1/2" – 9-1/2" OD HMH KFDJ 500, 36.5" diverter rated to 500psi
Mud Pumps	(3) Wirth TPK triplex pumps, each driven by 2200 hp Schorch KL6035B-EZ06 electric motor 7,500 psi rated
Solids Control	(4) NOV Brandt VSM300 shale shakers

Power & Machinery

Main Power	(4) Wartsila 8L26 diesel engines rated at 3,326hp at 900rpm each with A.Van Kaick / DSG 114M1 generator rated to 2,665kW
Emergency Power	(1) Caterpillar 3508-B diesel engine rated at 1,298hp at 1,800rpm with A. Van Kaick generator rated to 1125kW

Storage Capacities

Fuel Oil	3,396 bbls
Liquid Mud	3,460 bbls
Base Oil	1,572 bbls
Brine	3,145 bbls
Drill Water	5,500 bbls
Potable Water	2,768 bbls
Bulk Material	(mud + cement) 17,657 cu-ft
Sack Storage	5,000 sacks

BOP & Well Control Equipment

BOP Rams (2) HMH Compact double rams 18-3/4" 15k psi BOP

BOP Annular (1) HMH GX 18-3/4" 10,000psi annular preventer

BOP Handling MH / Carrier Type with (2) Forks, Wireless remote controlled, rated 120mt each

Mooring Equipment

Mooring Winches (4) Brohl / OM500 electric winches rated at 50 mt capacity 104kN winch brake capacity

Anchor Lines (4) Haggie Rand 2624ft x 1.65", 6x36 IWRC RHRL EEIPS

Anchors (4) Franklin Offshore Delta Flipper 4.17mt

Cranes

Cranes (2) Favelle Favco Type 20/10K electric / hydraulic, 80mt capacity, 164ft boom length (1) HMR 100/15-25 crane at port, 6mt capacity, 15ft boom length

Special Features & Other Information

CTU Icon Engineering / P400A CTU 100mt tension capacity

RPD System Yes

Helideck Rated for EH101 helicopters. CAP 437

Offline Systems:

Pipe Handling (1) Aker Maritime Hydraulic racking platform capacities: Up to 207 stands 5-7/8" DP
14 stands 9-3/4" DC
56 stands for 16", 14", 13-5/8" or 13-3/8" casing
90 stands for 11-3/4", 10-3/4", 9-5/8" or 7" casing
143 stands for 7" or 3-1/2" production string

Aker MH Eagle Light (fully automated gripping arm), Aker MH Tubular feeding machine (catwalk conveyor), Aker MH knuckle boom crane

