

NAGA 6

NAGA 6 is a three legged 375 ft independent leg jack-up cantilever rig, designed by GustoMSC. Built to the standards of IMO MODU Code 2009 consolidated version.

NAGA 6 meets the demands of the offshore drilling industry by providing latest technology in the system and operation of the rig, bigger deck space, 124 POB, capable to drill at 375ft water depth and deep drilling of 30,000ft depth.

The GustoMSC patented X-Y cantilever design is unique and allows the rotary table to be skidded out to a maximum of 70ft and 20ft from the centre line.

The X-Y cantilever enhances drilling efficiency and reduces the weight of the cantilever, thus increasing the unit's capacity. With the X-Y system, the load charts of the cantilever allow for maximum combined loads (1,500kips) over the full envelop, improving development drilling over fixed platforms.

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GENERAL	
Name	NAGA 6
Design	GustoMSC-CJ46-X100D
Delivery	September 2014
Construction Yard	Chine Merchants Heavy Ind. (Shenzhen) Co. Ltd, China
Jack Up Type	Independent Leg Jack Up Drilling Rig
Flag	Panama
Classification	ABS
Class Notations	A1 Self-Elevating Drilling Unit

MAIN DIMENSIONS / TECHNICAL	
Length and Breadth	214ft x 203ft
Depth	26ft
Draft	14.7ft
Leg Length	503ft
Leg Length (under hull)	437 ft
Leg Spacing	Transverse : 150ft Longitudinal : 131ft
Spud Can Diameter	45 ft
Bearing Pressure	10.77 kips/ft ²
Design Water Depth	375ft
Minimum Water Depth	30ft* Subject to site specific
Drilling Depth	30,000 ft
Variable Load	Afloat : 5,511 kips Elevated : 7,716 kips
Drilling Envelope	70 ft x 40 ft
Helideck	Capacity : 12.6 MT
Helideck Compliance	CAP 437
Refueling System	2 x Wilmax 750 gallon
Accommodation	124 POB

DRILLING EQUIPMENT	
Derrick	NOV 35ft x 40ft x 170 ft
Hookload	1,500 kips
Drawworks	NOV ADS-10T, 3,200 HP
Top drive	NOV TDS-8SA Rated Capacity : 680 MT
Racking Capacity	30,000 ft
Pipe Handling	PRS-8i Foxhole
Iron Roughneck	NOV ST 120
Rotary Table	NOV RST 495, 49 ¹ / ₂ "
Driller's Instrumentation	NOV Amphion System

TUBULARS	
Drill Pipe	5 ⁷ / ₈ " S-135 (23.4 ppf) 4" S-135 (14 ppf)

WELL CONTROL	
BOP	18 ³ / ₄ " NOV NXT-M 15,000 psi WP
BOP Annular	18 ³ / ₄ " NOV SBOP BIG BOY 10,000 psi WP
Diverter	Vetco Gray KFDJ-500 49 1/2"
Choke & Kill Manifold	4 ¹ / ₁₆ " ID 15,000 psi
BOP Hoist	J.D. Neuhaus EH 100 Lifting Capacity : 200 MT
Conductor Tensioner	PH Hydraulics 225 MT

LIFTING EQUIPMENT	
Deck Crane	3 x FavelleFavco 7.5/10k
Location	1 x Port Aft, 1 x Port Forward, 1 x Starboard
Main Hoist Capacity	Up to 50.0 T at 12.0 m Up to 9.2 T at 41.4 m
Fly Hoist Capacity	Up to 10.0 T at 42.1m Up to 9.4 T at 43.4m

POWER PLANT	
Main Engines	5 x Caterpillar 3516C-HD, 2,150 hp
Main Generators	5 x KATO @ 1,530 ekW
Emergency Engine	Caterpillar C-32
Emergency Generator	Leroy Somer @ 900ekW

MUD SYSTEM	
Mud Pumps	3 x NOV 14-P-220 , 2,200 hp Triplex Type, 7,500 psi WP
Shale Shakers	4 x DERRICK Flo-Line 504
Desander	1 x DERRICK DSV-10-3
Desilter	1 x DERRICK S-420-S
Degasser	1 x DERRICK Vacu-Flo 1200
Mud/Gas Separator	NOV Brandt 250 Psi WP, 10" ID

STORAGE CAPACITIES	
Fuel	3,547bbl
Potable Water	3,698 bbl
Liquid Mud	4,578 bbl
Brine	1,276bbl
Barite/Bentonite Silos	7,486 ft ³
Cement Silos	7,486 ft ³
Sack Storage	5,000 sacks
Base Oil	1,276 bbl
Preload (Independent)	52,167 bbl
Preload / Drill Water Tank	22,325 bbl (interchangeable tank drill / preload)

NOTE Specifications, dimension and capacities are indicative and subject to change without notice