



Constellation.

Brava Star

High-Performance
Standardized Fleet



Brava Star



A seventh-generation drillship built at Samsung Heavy Industries shipyard in South Korea. It is designed with the latest technology for drillships, suitable for drilling and completion operations with high performance up to 12.192m (40.000 ft) with a hook load capacity of 1.134t (2.500.000lbs) in the main well and 907t (2.000.000lbs) in the auxiliary well. BOP's control systems are prepared for 3.600m (12.000ft) of water depth operation.

BRAVA STAR has been specified/modified to have DP and thruster capability to operate in environmental conditions with current above 5 knots (with and without fairings).

HIGHLIGHTS

DPS 3
DP Class



**3.600m /
12.000ft**
Maximum
Water Depth



**Dual Derrick
(fully equipped)
NOV 64m (210ft)**
Main: 2.500.000lbs
Aux.: 2.000.000lbs
Gross Nominal Capacity

**5x NOV
14-P-220
Triplex**
Mud Pumps
7.500psi capacity



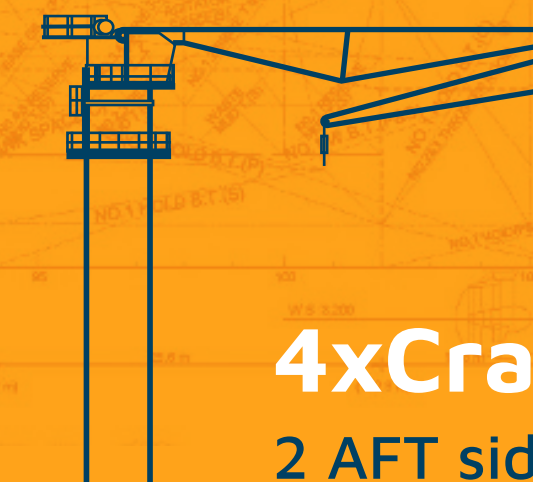
**1x NOV
18^{3/4} BOP**
15.000psi
working pressure

Top Drive
Main: NOV TDX-1250
1.134t capacity
Aux.: NOV HPS-1000
907t capacity

20.000t
Maximum
Variable
Deck Load



MPD
Ready



4xCranes
2 AFT side – 100t SWL
1 FWD side – 85t SWL
1 FWD side – 165t AHC

TYPE | Drillship Dynamic Positioning

FLAG | Marshall Islands

YEAR BUILT/UPGRADED | 2015

DESIGN | Samsung 96K Drillship

DP CLASS | DPS-3



GENERAL DESCRIPTION

Operation Draft	12.0 m
Survival Draft	12.0 m
Transit Draft – Field Move	12.0 m
Transit Draft – Open Sea	8.5 m
Variable Deck Load Drilling	20,000 ton
Variable Deck Load Transit (Towing/Field)	16,500 ton
Variable Deck Load Survival	20,000 ton
Transit Speed	11.5 knots
Maximum Water Depth	3,600 m
Minimum Water Depth	500 m
Maximum Drilling Depth	12,190 m
Accommodation	200 persons

DRILLING EQUIPMENT

Derrick	NOV 210' (Dual)
Hookload Capacity	Main: 1134 ton / Aux.: 907 ton
Drawworks	Main: NOV SSGD-1250-6900 / Aux.: NOV SSGD-1000-5750
Drilling Line	Main: 2 in / Aux.: 2 in
Compensator Type	Main: NOV CMC-E5 / Aux.: NOV CMC-E
Compensator Capacity	Main: 1,500,000 lb / Aux.: 1,000,000 lb
Rotary Table	Main: NOV RST755 / Aux.: NOV RST605
Rotary Table Opening	Main: 75.5 in / Aux.: 60.5 in
Rotary Table Static Load Capacity	Main: 1,134 ton / Aux.: 907 ton
Top Drive	Main: NOV TDX-1250 / Aux.: NOV HPS-1000
Top Drive Capacity	Main: 1,134 ton / Aux.: 907 ton
Top Drive Max. Cont. / Interm. Torque	Main: 105,000 (150,000) ft.lb / Aux.: 78,000 (100,000) ft.lb
Top Drive Working Pressure	7,500 psi
Tubular Handling	NOV HR IV Hydraracker (main and auxiliary wells); NOV Upper and Lower Fingerboards; HydraTong MPT-200 (main and auxiliary wells) 3 1/2" to 9 3/4" / Casing Tong (2 3/8" to 8 5/8" - 8 5/8" to 20" - 10 3/4" - 25" diameter)
Mud Pumps Quantity	5
Mud Pump Type	NOV 14-P-220
Mud Pump Working Pressure	7,500 psi
Mud Pump Power	2,200 hp
Shale Shakers	7 (Seven) BRANDT VSM 300
Mud Cleaner & Vacuum Degasser	2 (two) Shale Shakers equipped with Desander 3x12", Desilter 24x4" and 2 (two) Vacuum Degasser

POWER & MACHINERY

Main Power	6
Generators Model	16H32/40V
Generators Power	48,000 kW (total)
Engines Model	HYUNDAI HINSEM, 16H32/40V
Engines Power (each)	10,728 hp
Emergency Power	STX QSK60-DMGE Engine, 1,350 kW, 1,800 rpm
Power Distribution	ABB

STORAGE CAPACITIES

Fuel Oil	44,513 bbl
Liquid Mud (active)	7,087 bbl
Liquid Mud (reserve)	7,869 bbl
Base Oil Mud	3,930 bbl
Brine	7,862 bbl
Drill Water	19,432 bbl
Potable Water	8,098 bbl
Bulk Material	8,098 bbl
Sack Storage	3,597 bbl

BOP AND WELL CONTROL EQUIPMENT

Bop Configuration	2x 9-A2-R7
Bop Size	18 3/4 in
Bop Rams Working Pressure	15,000 psi
Bop Annular Working Pressure	10,000 psi
Bop Handling	NOV BOP Gantry Crane 2 x 240 ton; NOV BOP Guide & Seafixing System; NOV BOP Bulkhead Seafixing; NOV 540 ton BOP Trolley
Marine Riser Type	NOV FT-HB 90 ft
Marine Riser Id	19 ^{1/4} " and 19 ^{1/8} " in
Marine Riser Joints	120
Diverter	NOV Shaffer 21-1/4" x 500 psi
Tree Handling	NOV 120-ton Tree Trolley; NOV 120-ton Tree Skid; NOV 50-ton Tree Adapter
Choke Manifold Working Pressure	15,000 psi
Choke Manifold Size	3.0625 in





STATION KEEPING / PROPULSION

Thrusters	6
Thrusters Type	Rolls Royce UUC 455 Azimuth Thruster
Thrusters Power	5,500 kW
Dp System	Kongsberg K-POS-32 Dynamic Positioning System
Mooring System	Emergency Towing Equipment with a KETA-40A for the aft deck. Consists of a pickup gear, a towing bracket and fairlead, and a towing wire and storage drum.

CRANES

Aft Side	1 Knuckle Boom Crane NOV 85 ton (Starboard) 1 AHC Knuckle Boom Crane NOV 165 ton (Portside)
Fwd Side	1 Knuckle Boom Crane 100 ton (Starboard) 1 Knuckle Boom Crane 100 ton (Portside)

OTHER INFORMATION & FEATURES

Helideck	D value 27.3m, Max. weight 12.8 ton; Full Dual Activity; Two BOP Stacks; MPD Ready; Capping Capability; Zero Discharge
MPD	Enabled