

# THOR

## Additional information please

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## High Specification Jackup

### General Description

**Design / Generation** .....Keppel FELS Super B Class, Bigfoot  
**Constructing Shipyard**..... Keppel Fels Singapore  
**Delivery** .....May 2019  
**Classification** .....ABS, A1 Self-elevating Drilling Unit  
**Flag** ..... Liberia  
**Overall Dimensions**..... 247 ft long x 230 ft wide x 27 ft deep  
**Legs** .....(3) 517 ft long, triangular truss  
**Drafts**..... 19 ft load line draft  
**Accommodation** ..... 150 persons  
**Load Line Displacement**.....41,625.45 kips  
**Variable Deck** .....9,700 kips elevated / 5,500 kips field transit  
**Transit Speed**.....up to 5 knots, @ 150MT bollard pull  
**Operating Water Depth**..... 400 ft  
**Maximum Drilling Depth**.....35,000 ft

### Drilling Equipment

**Derrick** NOV SSBN, 170ft clear working height, with 40 ft x 40 ft base, derrick capacity for DP up to 5-7/8" and casing up to 9-5/8"

**Hookload Capacity** 2,000,000lbs static hook load capacity

**Cantilever** 75 ft reach aft of transom, 15 ft port / 15 ft stbd

**Drawworks** NOV ADS-30Q, (4) 1,500 hp AC motors, 2" drilling line

**Rotary Table** NOV RST495-3G, 49-1/2" hydraulic, rated at 1000st

**Top Drive** NOV TDX-1000, 1,000T hoisting capacity, (2) 1,150 hp AC motors, rated 91,000 ft-lbs continuous drilling torque, maximum speed of 250 rpm with intermittent torque of 150,000 ft/lbs.

**Tubular Handling** (2) ST-120 Roughneck. Make up torque 100,000 ft/lbs, Breakout torque 120,000 ft/lbs. Size range 3 7/8" to 10" OD

**Mud Pumps** (3) NOV 14-P-220 triplex pump, 2,200 hp, each driven by (2) DM27A AC motors. Rated to 7,500 Psi

**Solids Control** (5) VSM 300 shale shakers, (2) NOV chain scalping shakers

### Power & Machinery

**Main Power** (5) Caterpillar C175-16 engines, rated at 2,588 hp at 1200 rpm with (5) KATO AC generator, rated at 2,250 KVA each

**Emergency Power** (1) Caterpillar 3508B engine, rated 1,298 hp at 1,800 rpm with Stamford AC generator, rated 910 kW

### Storage Capacities

**Fuel Oil** .....4,414 bbls  
**Liquid Mud**.....5,199 bbls  
**Base Oil** ..... 1,881 bbls  
**Brine**.....2,251 bbls  
**Drill Water** ..... 23,308 bbls  
**Potable Water** .....3,848 bbls  
**Bulk Material** ..... (mud + cement) 16,000 cu.ft  
**Sack Storage** ..... 5,000 sacks

### BOP & Well Control Equipment

**BOP Rams** (2) Axon Type 50 13-5/8" 10,000 psi flanged Double type preventers

**BOP Annular** (1) Axon Type 52 13-5/8" 5,000 psi annular preventer

**BOP Handling** (4) Ingersoll Rand air hoists, rated 75 MT

**Diverter** KFDJ-500 diverter 49-1/2" rated 500 psi with (1) 16" flow line, (2) 16" overboard lines, (1) 6" deluge line & (1) 4" fill line

### Mooring Equipment

**Mooring Winches** (4) BROHL electric driven, 45 st pull capacity and 112 st brake holding capacity (first layer)

**Anchor Lines** 3,000ft 1-3/4" IWRC 6 x 36 galvanized wire rope

**Anchors** (4) Delta Flipper anchors rated at 5 MT

### Cranes

**Deck Cranes** (3) Seatrax S7228 deck cranes rated at 65 MT at a radius of 50ft. with 120ft booms  
 (1) NOV Knuckle Boom pipe handling crane with lifting pad eyes 7 MT

**Cellar Deck Cranes** (2) Multi-Purpose Crane 15K-VP MPC with maintenance access basket

### Special Features & Other Information

**Helideck** Rated for Sikorsky S-61N, S-92 and MI -17 helicopters, CAP 437 – 8<sup>th</sup> Edition

**Work Offline (WO)** (1) NOV ST-120 Roughneck, (2) NOV 10 MT Utility Winch, (1) NOV OSB Stand building System

**CTU/STU** Tensa RS300-60 vertical hydraulic tensioner unit, platform rated 600 kips, maximum 30" casing. Tensa PT200 secondary tensioner unit, rated 440 kips

**Jacking System** 6X pinions per chord, 3x chords per leg, 1000 kips per pinion. 1,300 kips per pinion for full preload jacking. RPD monitoring

**Field Transit** Capable of rig move with 660 kips of setback in the derrick.



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Borr Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

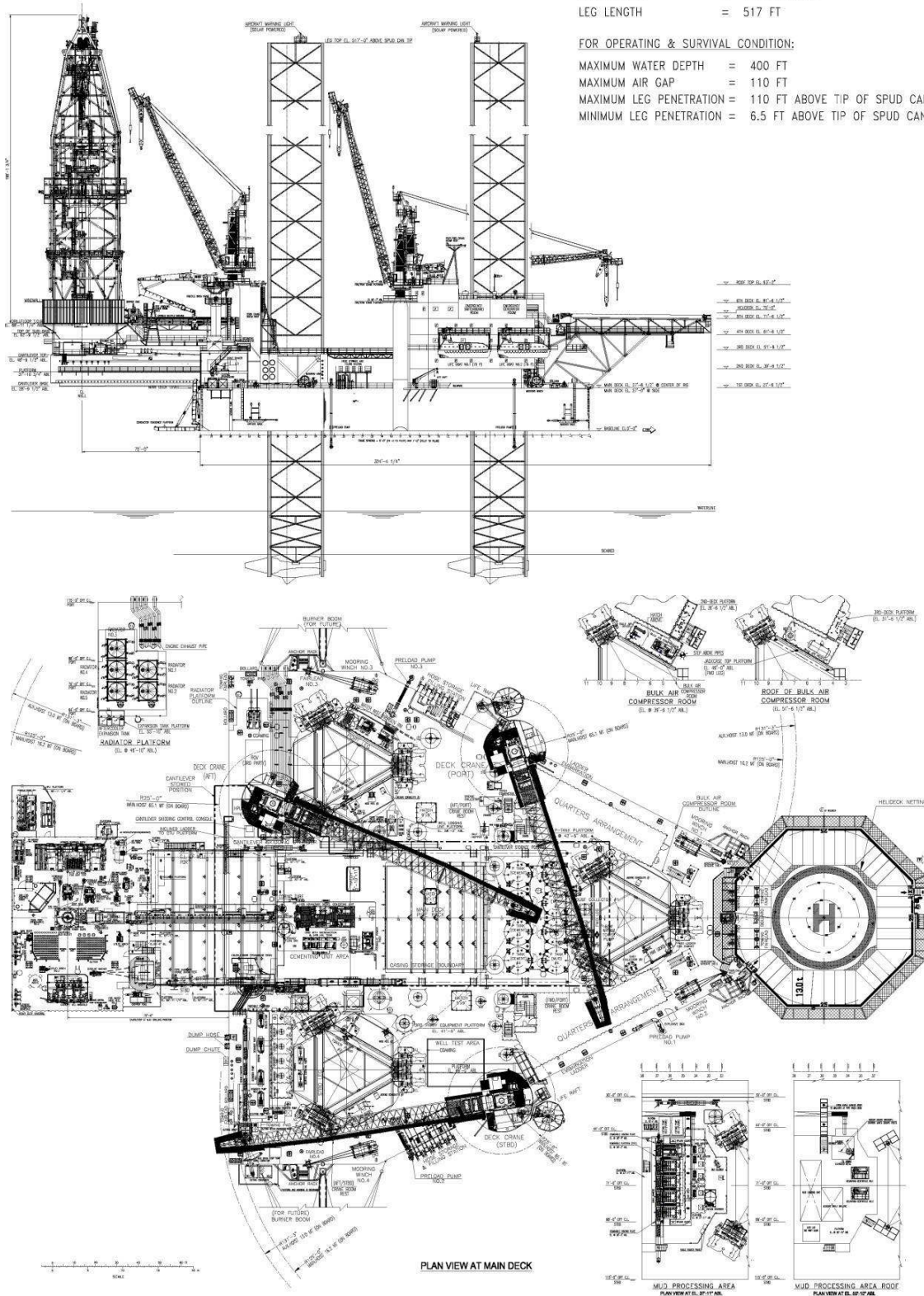
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**MAIN PARTICULARS:**

VESSEL LENGTH	=	247 FT
VESSEL WIDTH	=	230 FT
VESSEL DEPTH AT SIDE	=	27 FT
COMPLEMENT	=	150 PERSONS
LEG LENGTH	=	517 FT

**FOR OPERATING & SURVIVAL CONDITION:**

MAXIMUM WATER DEPTH	=	400 FT
MAXIMUM AIR GAP	=	110 FT
MAXIMUM LEG PENETRATION	=	110 FT ABOVE TIP OF SPUD CAN
MINIMUM LEG PENETRATION	=	6.5 FT ABOVE TIP OF SPUD CAN



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