

ELDORADO DRILLING · TECHNICAL SPECIFICATIONS

Topaz Driller

BAKER MARINE PACIFIC CLASS 375 JACK-UP

A Baker Marine BMC 375 jack-up built by PPL Shipyard, in service since 2009 and upgraded in 2024 — rated for 375 ft of water depth and 30,000 ft drilling depth, with a 75 ft × 30 ft cantilever.

TECHNICAL SPECIFICATIONS

REV. OCTOBER 2026

**375**^{FT}

MAX WATER DEPTH

30,000^{FT}

MAX DRILLING DEPTH

1,500,000^{LBS}

STATIC HOOKLOAD

1,179^{MT}

MAX CANTILEVER LOAD

3,401^{MT}

DECK LOAD (DRILLING)

150^{POB}

ACCOMMODATION

Rig & Capacities

01

01 GENERAL INFORMATION

RIG DESIGN	BMC 375
YEAR ENTERED SERVICE	2009
BUILDER	PPL Shipyard Pte Ltd
CLASS	DNV
FLAG	Panama
YEAR UPGRADED	2024

02 GENERAL SPECIFICATION

HULL LENGTH	236 ft
HULL BREADTH	224 ft
HULL DEPTH	28 ft
LEGS	3 / Triangular
ACCOMMODATION	150 POB
HELIDECK	CAP437, 75 ft Octagon, Sikorsky S-61N with ABS extension to suit S-92. 12 MT load capacity

03 POWER GENERATION

MAIN ENGINES	5 × CAT 3516B diesel engines, 1383 kW, 1200 rpm
MAIN GENERATORS	5 × Kato AC alternator, 2150 kVA, 1720 kW, 1200 rpm, 690V, 60 Hz, 3 Ph
EMERGENCY GENERATORS	1 × Leroy Somer AC alternator, 900 kVA, 720 kW, 1800 rpm, 480V, 60 Hz, 3 Ph

04 OPERATIONAL CAPABILITIES

MAX WATER DEPTH	375 ft designed / 375 ft outfitted
MIN WATER DEPTH	30 ft
TRANSIT DRAFT	19.5 ft
LEG LENGTH BELOW HULL	432 ft max.
MAX DRILLING DEPTH	30,000 ft
CANTILEVER	75 ft × 30 ft
MAX CANTILEVER LOAD	1,179 MT
VARIABLE DECK LOAD	2,268 MT (Transit), 3,401 MT (Drilling)
MAXIMUM SETBACK	408 MT

05 STORAGE CAPACITIES

DIESEL	4,114 bbls
DRILL WATER	22,035 bbls
POTABLE WATER	3,542 bbls
BULK MATERIAL	11,652 ft ³ mud + cement
BASE OIL	1,273 bbls
BRINE	1,271 bbls
LIQUID MUD	4,078 bbls
SACK STORE	5,000 sacks

Handling & Well Control

02

06

HANDLING SYSTEMS

DECK CRANES	– 2 × Baker Marine 2250-E (Port & Stbd) w/ 120 ft boom, main hoist ratings – 50.77 MT @ 25 ft radius and 13.83 MT @ 127.5 ft radius (static), 33.85 MT @ 25 ft radius and 9.22 MT @ 127.5 ft radius (dynamic) – 1 × Baker Marine 900-E (Port Aft) w/ 100 ft boom, main hoist ratings – 22.982 MT @ 20 ft radius and 7.029 MT @ 102.7 ft radius (static), 15.321 MT @ 20 ft radius and 4.686 MT @ 102.7 ft radius (dynamic)
BOP HANDLING	2 × JD Neuhaus model EH 60 pneumatically operated BOP hoists, 60 MT SWL each
XMAS TREE HANDLING	1 × Xmas Tree trolley beams rated at 30 MT c/w hoist
CONDUCTOR TENSIONER	1 × Patriot 225 MT capacity CTU with 350 mm stroke
SECONDARY BOP TENSIONING SYSTEM	1 × TSC Tensioning System, 104 MT SWL, stroke length 1000 mm

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MUD SYSTEM

WORKING PRESSURE	7,500 psi
MUD PUMPS	3 × Eweco E-2200-15, 9" × 15", 2200 HP, 7,500 psi c/w 2 × GEB 22D AC motors
GUMBO BOX	1 × Brandt, 6 ft single
SHAKERS	4 × NOV Brandt VSM 300 BEM dual deck shakers 1 configured as desander / desilter

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WELL CONTROL EQUIPMENT

BLOWOUT RAM PREVENTERS	1 ea Control Flow, 13 ⁵ / ₈ " 10,000 psi, Type "U" Double & Single
BOP ANNULAR PREVENTER	1 × Control Flow, 13 ⁵ / ₈ " – 5,000 psi, Annular Type "S"
DIVERTER	1 × Vetco Gray 49 ¹ / ₂ " KFDJ-500 STD 500 psi (27 ¹ / ₂ " ID) diverter with 14" flow line and 2 × 12" overboard lines

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Drilling & Jacking

03

09 DRILLING PACKAGE

DERRICK	Loadmaster offset derrick, 35 × 35 ft @ base; 14 × 16 ft @ top × 160 ft clear working height
HOOKLOAD CAPACITY	1.5 million lbs static hookload capacity
RACKING CAPACITY	– 365 stands of 5⅞" drill pipe range II triples × 93 ft (33,945 ft) – 14 stands of 9½" drill collar range II triples × 93 ft (1,302 ft) – 12 stands of 8" drill collar range II triples × 93 ft (1,116 ft) – 90 stands of 7" casing – 80 stands of 9⅝" casing – 20 stands of 13⅝" casing
DRAWWORKS	Sense EDM Ultrahoist® 750-3000, c/w 2 × GEB22 AC motors (3,000 HP)
ROTARY TABLE	NOV D-495 7K, 49½" hydraulically operated, 800 tons rated, 39,880 ft-lbs @ 20 rpm
IRON ROUGHNECK	1 × Weatherford Torkwrench 10-100 IR with PowerArm 2.1, tubular range 2½" to 10", MU & BO torque 100,000 ft-lbs, max spin-in / spin-out torque 3,212 ft-lbs
TOPDRIVE	Canrig model C750-865, lifting capacity 750 tons , 65,300 ft-lbs max continuous torque @ 90 rpm, 95,000 ft-lbs intermittent torque @ 0 rpm, 0–225 max rpm, 1 × 1,150 HP GEB20 AC motor

10 SPECIAL FEATURES & OTHER INFORMATION

JACKING SYSTEM	Baker Marine model BMPL J800-2P , c/w 72 active drive pinions powered by 36 N° 46 kW AC drive motors (12 per jackcase, 4 per chord), normal jacking capacity 19,800 MT
MOORING SYSTEM	4 × 65 HP Mentrade anchor winches, 6 MT delta flippers
WORK OFFLINE	– Ability to make-up drill pipe and casing stands offline – Ability to offline centrifuge and offline cement

11 OFFLINE CAPABILITIES

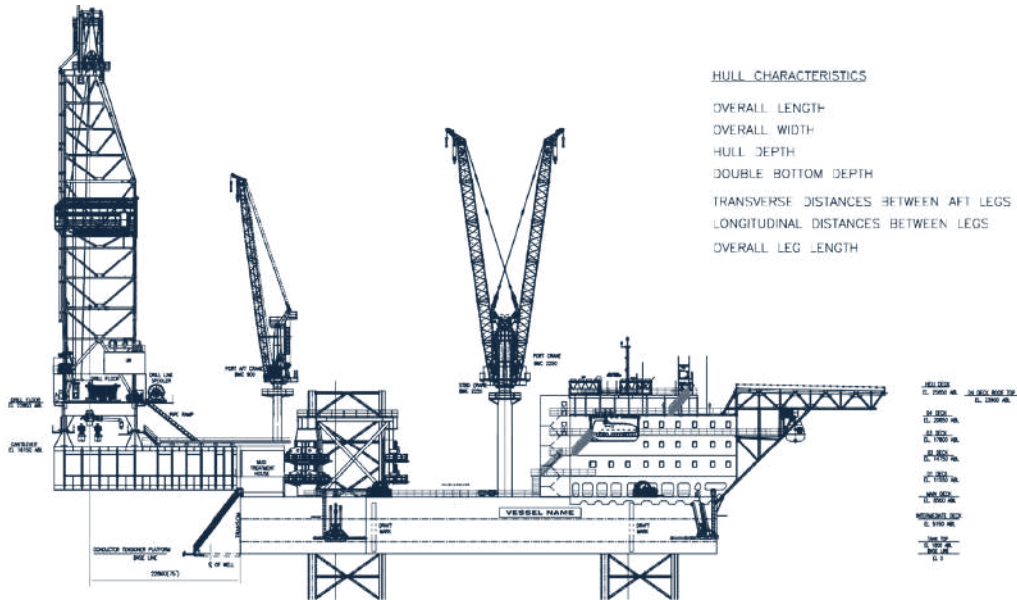
STAND BUILDING CRANE	12 MT SWL for handling offline stands
UNDER RIG FLOOR (URF) CRANE	2 No. URF cantilever crane, 8 MT max. SWL each

General Arrangement

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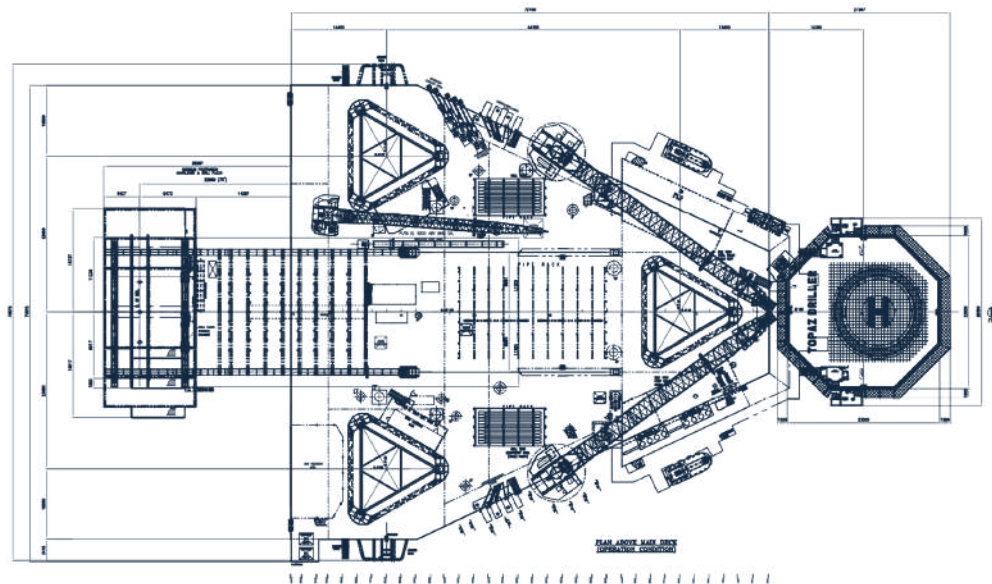
PROFILE

SIDE ELEVATION • HULL CHARACTERISTICS



MAIN DECK & CANTILEVER

PLAN VIEW • OPERATION CONDITION



GET IN TOUCH

**For more information on
Topaz Driller**

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REVISION • OCTOBER 2026

These specifications are intended for general reference purpose only and shall not be contractually binding. Contractor reserves the right to change these specifications at any time without prior notice. All equipment shall be operated and maintained in line with Eldorado Drilling's guidelines and within the limits of OEM specifications.