



The ATWOOD ORCA is Pacific Class 400 Ultra-Premium Jack-up unit rated to work in up to 400 feet of water. Attributes of this rig include, 75 feet cantilever, accommodation for 150 persons, three 2,200 horsepower mud pumps, 7,500 psi high pressure mud system, 18 ¾" 15,000 psi BOP, derrick and associated travelling equipment rated to 1,500 kips, and offline tubular/casing make-up capability. The ATWOOD ORCA is capable of jacking with full pre-load and making in-field moves with drill pipe in the derrick.



CHARACTERISTICS

Type Of Vessel	Pacific Class 400 Ft Independent Leg Jack-Up
Jacking	BMC J88-2P Jacking System
Water Depth	400 ft nominal rating
Drilling Depth	30,000 ft
Year of Construction	June 2013
Classification	ABS + A1, Self-Elevating Drilling Unit
Country of Registration	Marshall Islands

PRINCIPAL DIMENSIONS

Hull Length	236.5 ft
Hull Breadth	224.4 ft
Hull Depth	27.8 ft
Leg Length	532 ft
Spud Can	55.4 ft

CANTILEVER

Reach	75 ft. from transom
Transversal Travel	15 ft. either side CL
Load Capacity	1,920 kips on CL @ 75 ft. 2,350 kips on CL @ 65 ft. 2,599 kips on CL @ 55 ft.

CAPACITIES

Fuel	4,085 bbls
Drill Water	21,760 bbls
Potable Water	3,520 bbls
Liquid Mud	4,150 bbls
Base Oil	1,273 bbls
Brine	1,290 bbls
Bulk Tanks	11,653 cu. ft.
Sack Storage	5,000 sacks
Variable Load (Operating)	7,500 kips
Variable Load (Survival)	6,500 kips
Variable Load (Floating)	5,000 kips
Accommodations	150 persons

ATWOOD ORCA

POWER SYSTEM

Diesel Engines

5 x CAT 3516C HD

Generators

Kato 6P6-3300

Emergency Generator

1 x CAT 3508B

VFD System

Siemens

DRILLING EQUIPMENT

Derrick

LOADMASTER Offset derrick, 160' high with 35' x 35' base and a 16' by 14' top. Static Hook Load capacity 1,500,000 lbs on 14 lines.

Crown Block

LOADMASTER 750T

Drawworks

NOV ADS-10T

Top Drive

NOV TDS-8SA

Rotary

NOV D-495 (Hydraulic)

Traveling Block

NOV 760TB-750

Auto Driller

NOV Cyberbase System

High Torque Make Up / Breakout

NOV HC-26EV Dual Hydraulic Catheads

Tubular Handling

Qty 2 - NOV ST100 with a Bridge Racker

Drive Pipe Tension System

225 MT SWL

Drilling Instrumentation

NOV Cyberbase System

Offline Makeup

Offline standbuilding and racking for Range 2 tubulars ranging from 3 1/2" Drill Pipe thru 7 1/4" Drill Collars while drilling.

Drill String

5 1/2" DP, S135, Range 2, 21.9ppf, uGPDS55 Connection

MUD SYSTEM

Mud Pumps

3 x NOV 14-P-220 (7500 psi)

Shale Shakers

4 x NOV VSM 300

Desilter

NOV Brandt, 16 x 4" cones, mounted above one shaker

Desander

NOV-Brandt with 2 x 10" cones mounted above one shaker

BOP EQUIPMENT

BOP Stack

HYDRIL 18-3/4" with 1 x 10k Annular and 2 x 15k Dual Ram

BOP Handling

JD NEUHAUS 2 x 75T

Control System

CAD 60009380U2

Choke and Kill

FORUM 15 Ksi

Diverter

VETCO GRAY KFDJ 500

AUXILIARY EQUIPMENT

Cranes

3 x Baker Marine BMC-2250, 50T

Air Hoists

Ingersoll Rand. 3 x 5000 kg at drill floor, 2 x 5000 kg at substructure, 1 each 150 kg manrider at drill floor and substructure, 2 x 600 kg at monkey board 1 x 5,000 kg towing retrieval at bow, and 1 x 2,500 kg towing retrieval at helideck

Hydraulic Power Unit

Bosch Rexroth

Watermaker

2 x Alfa Laval D-PU-35-C100

Air Compressors

3 x Sullair LS200S - 125H/WC

Fire/Gas Detection System

Omega Thorn

Sewage Treatment

Hamworthy ST - 13C

Lifeboats

3 x 75 man Neptune NPT85F

Rescue Boat

One Designated Lifeboat

Mooring Equipment

4 Mentrade Marine single drum mooring winches w/ 3000 ft 1-1/2" cable and 6 MT anchors