

The Preferred Choice

Baker Marine Pacific Class 375



An Industry Success

Baker Marine Pacific Class 375 Jack-up Rig

- Conceptualised in 1998 by Baker Marine, a wholly-owned subsidiary of PPL Shipyard, it is designed to operate in non harsh environmental conditions and up to 375 ft water depth, plus incorporating large drilling and variable loads.
- Developed by our engineers with practical feedbacks from clients.
- Active marketing launched in 2002/2003
- 1st unit awarded in January 2004
- 16 units contracted by November 2006

Merits of Pacific Class 375 Design

- Superior design environmental conditions and drilling loads as compared to competing designs
- Large variable loads
- Large liquid mud and bulk mud capacity
- Increased deck space at Main Deck level
- Increased deck space at Intermediate Deck level
- Drill centre extended to 70 ft aft
- Improved jacking system capable of jacking with 100% preload
- Space for future installation of 4th mud pump and 6th generating set

Principal Particulars

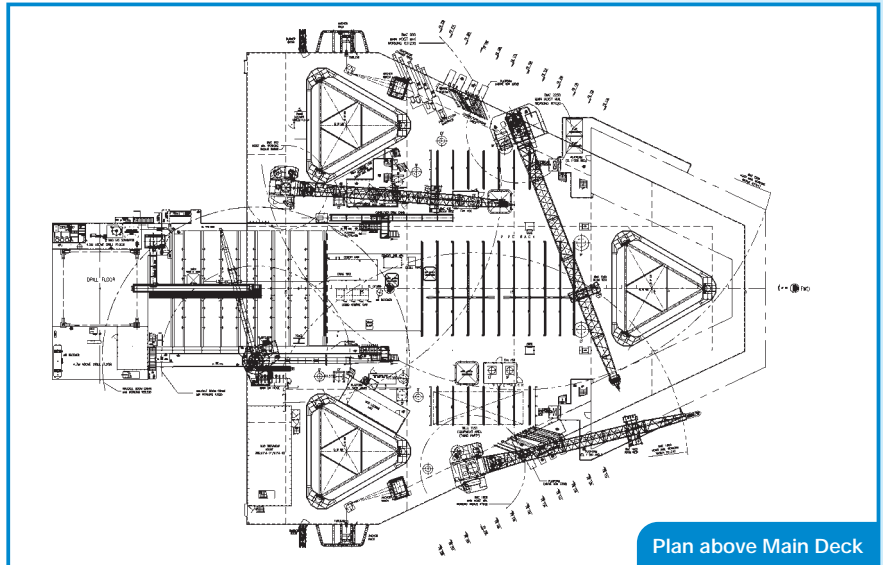
Hull length (m)	72.1
Hull breadth (m)	68.4
Hull depth (m)	8.5
Leg length including spud can (m)	154.35
Leg centres Fwd/Aft (m)	44.3
Leg centre PS/SB (m)	47.3
Leg chord distant (m)	13.25
Spud can diameter across flat (m)	16.9
Accommodation (man)	115
Drill centre maximum aft (m)	21.34
Drilling depth (ft)	30,000
Helideck comply to CAP 437	

Design Parameters	Normal Drilling Conditions	Storm Conditions
Water depth (m)	114.3	114.3
Max wave height (m)	13.7	13.7
Wave period (sec)	13.5	15.0
Surface current (m/sec)	0.64	0.64
Wind speed (m/sec)	36.0	51.4
Air gap (m)	15.2	15.2
Leg penetration (m)	3.05	3.05
Variable load (mt)	2721	2721
Hook load (mt)	680	-
Conduction load (mt)	-	227
Max combined variable load (mt)	3401	2948

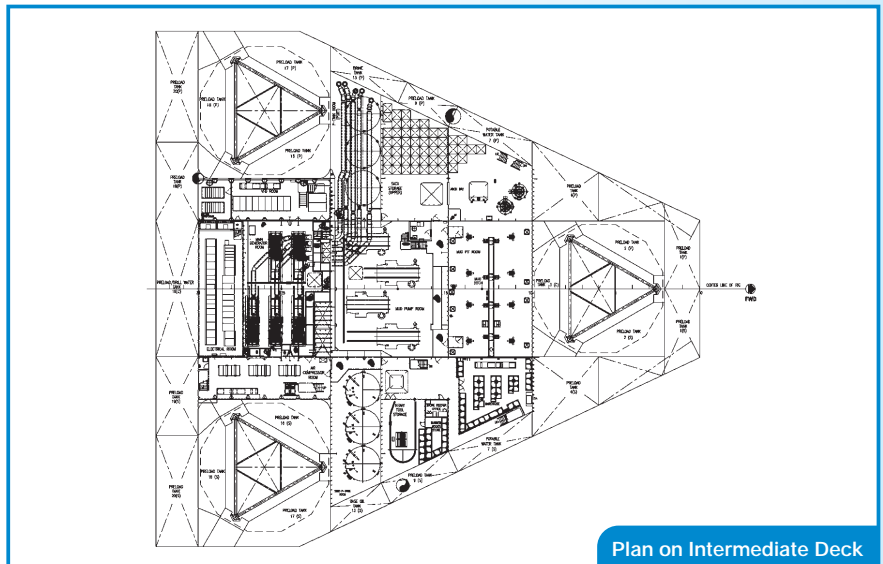
Tank Capacity	Barrel	Bulk Capacity	
Pre load	58500	Bulk cement	165 m ³
Fuel oil	3900	Bulk mud	165 m ³
Potable water	3600	Sack storage (sack)	5000
Drill water	4850	Mud surge tank	2 x 2 m ³
Active & Reserve mud pit	4150		
Base oil	1200		
Brine	1200		

Jacking System

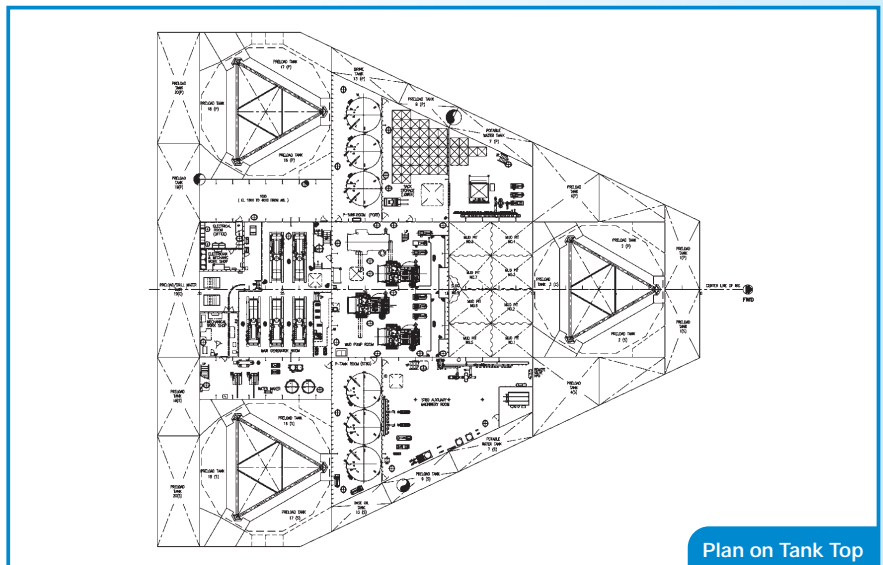
Number of pinions	72
Number of jacking motors	36
Normal jacking load	43,560 kips
Preload jacking load	58,608 kips
Jacking speed	0.36 m/min
Load monitoring	
Rack Phase Differential monitoring	
Local and remote control	



Plan above Main Deck



Plan on Intermediate Deck



Plan on Tank Top