

2 x 1200 HP AC MD COWAN DRILLING RIGS

Technical Datasheet | OLINCE PETROLEO Y GAS



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QUANTITY 2 RIGS	RIG CLASS 1200 HP AC	YEAR 2005	LOCATION USA
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Executive Technical Summary

The available package consists of two 1200 HP AC land drilling rigs configured as compact footprint units for onshore drilling operations. The rigs include AC/VFD power architecture, Canrig top drive package, dual Mud King FB1300 triplex mud pumps, Caterpillar 3512 engine-generator sets, hydraulic pipe handling, driller cabin controls, BOP equipment, choke manifold, closing unit, solids control equipment and field support houses.

Parameter	Available Specification
Commercial rig classification	1200 HP AC MD Cowan Drilling Rig
Quantity	2 units
Build year	2005
Footprint	Small footprint / compact land rig configuration
Availability basis	Drill ready; refurbishment may require approx. 60 days
Indicative commercial price	US\$ 2.65 MM per rig, as supplied

Main Technical Specifications

System	Specification
Mast	International Derrick Service 131 ft x 14 ft mast
Drawworks	Rig Tech RT2000-E drawworks with Eaton 436 WCSB airbrake
Main drive	1150 HP AC motor
Top drive	Canrig 275 ton top drive
Traveling block	Canrig 275 ton block
Rotary equipment	27 1/2 in Oilwell rotary table
Pipe handling	Hydraulically operated pipe handling arm and hydraulic pipe handling racks
Iron roughneck	Gray Oil Tool Iron Floorhand operated from driller cabin
Mud pumps	2 x Mud King FB1300 triplex pump packages, 7 in x 12 in
Mud pump motors	1150 HP AC variable motors
Fluid ends	5000 psi fluid ends
Pulsation dampeners	Mud King pulsation dampener, model PD55 / PD
BOP equipment	Shaffer LXT 11 in and Shaffer Spherical 11 in blowout preventers
Choke manifold	5000 psi choke manifold with piping and connections
Closing unit	Markco Machine 8-bottle, 5-station closing unit with triplex pump, lines and valves
Power generation	2 x Caterpillar 3512 engine-generator sets, 1200 kW each
Electrical system	600 VAC, 3 phase, 60 Hz
VFD house	10 ft x 55 ft VFD house with motor drives, PLC controls, air conditioning and heating
Controls	Driller cabin with PLC, pneumatic and hydraulic controls

Auxiliary Equipment and Support Package

Equipment / System	Specification
Hydraulic winch	Model 707W with control valve
Hydraulic boomline winch	Model 506W with control valve
Hydraulic power unit	1000 gallon HPU; control valves; 100 HP electric motor; 100 HP diesel engine; 2 x 50 GPM pumps
Man rider winch	Electric man rider winch
Safety devices	Fall arrest devices; fire extinguishers - Haltron and ABC - 30 lb
Elevator links	Set of elevator links - 132 in
Tongs	BJ tongs type B with jaws
Slips and elevators	Sets of slips and auto latch elevators in various sizes
Standpipe	4 in x 55 ft standpipe with single manifold system
Drill line	1 1/4 in x 5000 ft drill line
Rotary drill hose	3 1/2 in x 75 ft rotary drill hose
Mud bucket	Okeh mud bucket
Weight indicator	Bear 600,000 lb weight indicator
Mud gauge	Cameron Type D mud gauge
Deviation instrument	Eastman deviation instrument with clock
Remote transformer	75 kVA remote transformer

Mud System, Houses, Tanks and Electrical Package

Equipment / System	Specification
Driller cabin	10 ft x 20 ft driller cabin with PLC, pneumatic and hydraulic controls, air conditioning and heating
Driller cabin stand	Hydraulic scoped stand for driller cabin, skids and handrails
Tool room	7 ft 9 in x 9 ft hydraulic scoped tool room
Change house	8 ft x 26 ft change house with lockers
Parts house / mud room	8 ft x 40 ft parts house with air compressor; mud room with 6 x 8 pump and venturi hopper; 11 ft wide
Water tank	Steel water tank, 500 barrel; 2 in x 3 in pump with hoses
Diesel tank	9000 gallon diesel tank; drum rack skid base 8 ft x 10 ft
Wireline unit	15,000 ft Five Star rig wireline unit, serial #1363
Vibrator hoses	3 in x 12 ft vibrator hoses
Suction hoses	2 x 10 3/4 in x 6 ft suction hoses
Drill collar safety clamp	Brash Ross drill collar safety clamp - Type C
Manifold and flow line	Manifold system, flow line, valves, flanges, choke line and drilling spool
Steel pits	11 ft x 7 ft x 40 ft steel pits
Desilter	8 cone desilter
Mud pumps auxiliary	5 x 6 pump with 40 HP electric motor; 5 x 6 pump powered with 40 HP electric motor
Mud agitators	2 Lightning mud agitators with 7 1/2 HP motors
Shale shakers	2 linear shale shakers
Mud mixing	Mud mixing room with S800 Sidewinder hopper
Wiring and lighting	Complete Snelson vapor proof wiring, flood lamps, control and distribution panel

Technical Verification Notes

- The commercial classification of the offered package is 1200 HP AC. No image or title in this datasheet classifies the rig as a different HP category.
- Final acceptance should be subject to physical inspection, API-category structural inspection, generator load-bank test, BOP pressure test, VFD/PLC functional test and verification of serial numbers.
- All images are referential and must not override the written technical specification supplied by the seller.

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