



SPECIFICATION OF RIGS AND SUPPORTING EQUIPMENT

Rig SCHRAMM T130XD Rotadrill

DRILLING RIG UNIT :

Name of drilling unit (Rig)	21-SCHRAMM T130XD Rotadrill
Drilling unit type	Multipurpose Drill Rig (truck mounted)
Year/Serial No.	2009 (Recondition)/-
Owner	PT BINTANGMANDIRI PERKASA DRILL
Rig manufacturer	SCHRAMM INC. , West Chester, USA
Current rig location	Muralim Project, South Sumatra



T130XD

A heavy duty, heavy hoist carrier mounted drill rig. The T130XD utilizes innovative Telemast technology to achieve Range III pipe capability in a compact over the road package.

- Equipped with Schramm Telemast
- 50' head travel handles Range III casing
- 43' transport length with less than 6' overhang
- 130,000 lbs hoist
- No sub-structure required
- Mast slides to clear BOP

ROTADRILL



CARRIER MOUNTED RIG EQUIPPED WITH TELEMAST



T130XD ROTADRILL SPECIFICATIONS



Engine

Detroit Diesel DDC/MTU 12V-2000TA DDEC
760 bhp (567 kw) @ 1800 rpm

Standard Compressor

Variable volume two-stage, oil flooded rotary screw
1350 cfm @ 350 psi (38.0 cu. m/min @ 24.1 bar),
up to 1150 cfm @ 500 psi (32.6 cu. m/min @ 35.5 bar)

Cooling

Three core, side by side type
130°F (54.4°C) ambient design temp.

Dimensions

OA length, transport - 42' 9" (13 m)
OA width - 8' 6" (2.6 m)
OA height, transport - 13' 6" (4.1 m)
Weight std. rig - 92,000 lb (41,723 kg)

Carrier

CCC 8x4 Carrier
Cat C-13, 410 hp @ 2100 rpm engine
44,000 lb (19,955 kg) front axles
21,500 lb (9,750 kg) pusher axle
52,000 lb (23,587 kg) rear axles
117,500 lb (53,298 kg) GVWR

Top Head Rotation

Ductile iron, single reduction oil bath gearbox with two disc valve type hydraulic motors.
Infinitely variable rotation speed.
3.5:1 Reduction Gear
3" diameter (76.2 mm) spindle thru hole
0-143 rpm, infinitely variable
106,600 in-lb (12,045 N·m) torque

Feed System

Top head is driven by hydraulic traverse cylinders through special wire rope and large diameter Nylatron sheaves. As top head is raised, the inner mast section extends by a ratio of 1:2 until it reaches its fully extended position at 50' of clear head travel.
42' 9" (13 m) OA height (retracted)
69' 9" (21.65 m) OA height (extended)
50' (15.24 m) top head travel
130,000 lb (59,090 kg) pullup
8 fpm (2.44 mpm) pullup speed-slow feed
125 fpm (38.1 mpm) pullup speed-rapid feed
32,000 lb (14,545 kg) pulldown capacity
26 fpm (7.92 mpm) pulldown speed-slow feed
270 fpm (82.3 mpm) pulldown speed-rapid feed
52' 10" (16.1 m) working clearance mast spindle to table (sub removed)
48' 10" (14.9 m) working clearance mast sub to table

Drill Pipe & Casing

30' x 4-1/2" OD x 2-7/8" IF breakout style drill pipe, range III casing
28" (711 mm) max. diameter through slipbox

Mast

Telescoping construction permits long head travel and working height, yet short OA length in transport position.
32" (813 mm) cylinder operated slide
Free-standing mast
hydraulically operated adjustable mast feet
hydraulically retracted slip box
20" (508 mm) table opening w/o slips

Winch

Planetary with spring applied hydraulic release brake
9,600 lb (4,354 kg) bare drum line pull
151 fpm (46 mpm) bare drum line speed

Hydraulic System

Open loop load sensing system
7 micron filtration
200 gallon (760 l) system capacity

Water Injection System

25 gpm (95 lpm) water pump
Electric foam pump

Outriggers

Front - (1) 5" bore x 41" stroke
(127 mm x 1.4 m)
Rear - (2) 5" bore x 41" stroke
(127 mm x 1.4 m)

Tool Lubricator

Positive displacement, air pump operated piston type pump variable to 5.0 gph (18.9 lph)

Lighting & Electrical System - 24 Volt

Mast - (4) 60 watt floodlights
Control Panel - (2) 60 watt gauge floodlights
Work - (3) 70 watt halogen

Accessories

Pipe handling sling, 60" breakout wrench, and 50 hour maintenance kit.

Optional Equipment

Many modifications are available including:
Third driving axle
Reverse circulation package
Tilt-out top head
High capacity top head
Single pipe loading arm
Auxiliary winch controls
Auxiliary air supply

These specifications are based on theoretical calculations and industry standards. Performance will vary according to actual drilling conditions. Schramm, Inc. continuously improves its products and reserves the right to change specifications, design, prices and terms at any time without notification or obligation. These specifications do not extend any warranty, expressed or implied, nor do they or Schramm, Inc. make or imply any representations of the machine's merchantability or fitness for a particular purpose.

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Drilling Mud System With Solids Control

ENVIRO CLEAN 500B MUD SYSTEM

MUD SYSTEM & SOLID CONTROL			
 <p>MUD PUMP</p>	OILWELL DUPLEX		
	MODEL	214P	
	HORSEPOWER	400 HP	
	ENGINE	DEUTZ BF6M1015C	NEW ENGINE FITTED 2011
	LINER SIZE	7-1/4"	6" LINERS / PISTONS SUPPLIED
	STROKE	14"	
	SUCTION LINE	10"	
	PULSATION DAMPENER	NATIONAL, PRE CHARGED	
	MUD GAUGE	CAMERON	
	STROKE COUNTER	ELECTRONIC PROXIMITY SENSOR	CUSTOM BUILT
	MAX OUTPUT	2,750LPM (726.50GPM) @ 500RPM	
 <p>MUD SYSTEM</p>	ENVIRO CLEAN 500B		
	MANUFACTURED BY	BMP	
	YEAR/SERIAL NO.	2010/001	
	TOTAL CAPACITY	80,000LT / 500BBL	CUSTOM BUILT, DIESEL POWERED
	TANK #1	16,000LT / 100BBL	HYDRATING
	TANK #2	32,000LT / 200BBL	TRIP TANK / PREMIX / ACTIVE
	TANK #3	32,000LT / 200BBL	SOLIDS CONTROL / SETTLING
	MANIFOLDS	QUICK CONNECT BETWEEN TANKS	
	SHALE SHAKER	2 TIER, HYDRAULIC	MAX 500 GPM
	DESANDERS	3 X 5" CONES	3" X 2" CENTRIFUGAL PUMP, 2,200LPM @35PSI
	MIX HOPPERS	3 X 26" @2,600LPM ea	SKID MOUNTED ON SINGLE UNIT
	MIXING PUMPS	2 - 4" X 3" Centrifugal	2,600LPM @ 100PSI EACH
	DRIVE ENGINE	6 CYL TURBO DEUTZ	180HP @ 2100RPM
	MUD PICK UP PUMP	12" HYDRAULIC DRIVE MUD GUZZLER	MAX 900GPM @ 1800RPM