

# RIG 27

## RIG

Complete Mobile Unit - Ingersoll Rand T3W Range III  
All components are trailer/truck mounted  
Drill with air or mud systems  
Rig Motor: Caterpillar - C-15, 475HP deck engine  
Air Compressor: IR 900/350  
Water Injection Pump: 25gpm Cat  
500m depth capacity  
Static hook load - 45,000lbs/19,800 daN 95.25mm (3 3/4") - 311mm  
(12 1/4") hole size GVW: 25,990kg; 10.7m L x 2.6m W x 3.8m H

## MAST

Ingersoll Rand T3W  
Top Drive: Atlas Copco - torque rate 5,000 ft. lbs.  
/6,780 N-m @125rpm  
Pull down - 26,500lbs/ 11,660 daN Pull back - 28,000lbs/12,320 daN  
Range III pipe  
Petol wrench - 2 7/8" - 7"  
Swivel: 25 CHD King  
Dual JIB controls

## SUBSTRUCTURE

I beam construction  
Max. static capacity - 100,000lbs./44,000 daN GVW: 11,255kg;  
10.4m L x 3.7m W x 2.7m H

## HYDRAULICS:

Three section commercial pump - runs main winch, wire line winch and 10 bank -  
2500psi @ 2100rpm  
Sundstrand 1 - runs rotary and feed for top drive rotation - output 5000psi @ 2100rpm  
Sundstrand 2 - mud pump - output 5000psi @ 2100rpm  
Hydraulic Draw Works:  
CH230 - Braden - line size 3/4"  
Capacity - 18,000lbs (bare drum-single line)

## MUD PUMP

Gardner Denver FXX 172 Duplex Max strokes - 65spm  
Min strokes - 10spm  
Pressure rating - 284psi Hydraulically driven

## MUD TANK

Trailer mounted  
Total mud volume - 42m<sup>3</sup>  
Tank 1 - 12 m<sup>3</sup>  
Tank 2 - 9.4 m<sup>3</sup>  
Tank 3 - 15 m<sup>3</sup>  
Pill Tank -3 m<sup>3</sup>  
Trip tank volume - 2.4m<sup>3</sup>  
2 mixing pumps 5X6 MCM  
Mixing and gun lines X 4  
Shale Shaker: I MI Swaco  
GVW: 35,440kg; 15.1m L x 3.8m W x 3.8m H

## GENERATOR

Isuzu - 4 cylinder 60KW; mounted in boiler trailer  
Generator Fuel Storage: 1000L  
Fuel Tanks: 2 x 500L rig mounted saddle tanks

## DOGHOUSE

GVW: 13,500kg; 10.5m L x 2.9m W x 3.9m H

## RIG MANAGER'S SHACK

GVW: 14,235kg

## WINTERIZATION

GVW: 15,670kg; 13.2m L x 2.7m W x 3.2m H

## TUBULARS

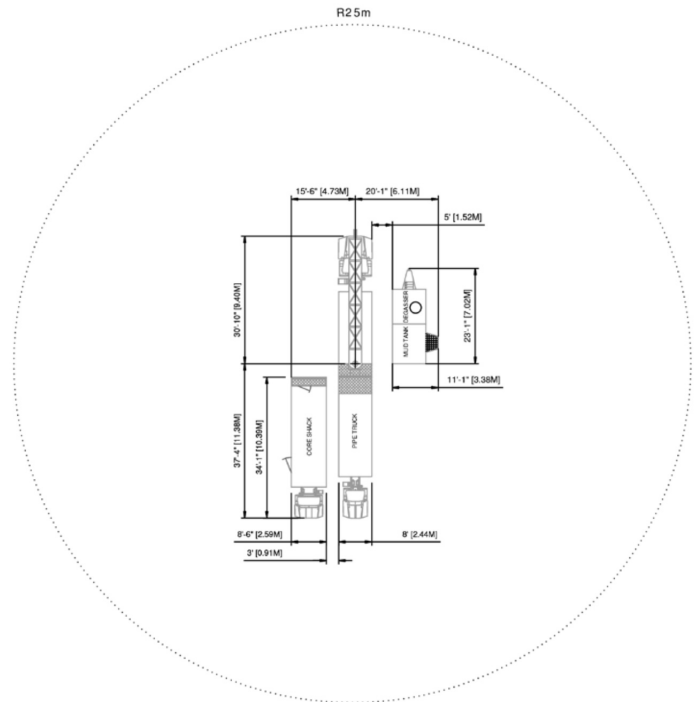
Pipe Connections:  
Top drive - 3 1/2" IF  
Drill pipe - 2 7/8" IF  
Drill collars - 4 1/2" XH  
Core pipe - 4 1/2" CDP

## DRILL COLLARS (MAIN HOLE)

30m x 5" with 3 1/2" IF

## DRILL COLLARS (SURFACE HOLE)

18m x 6" with 3 1/2" IF



R25m

