

**1500 METERS DEPTH
DRILLING RIG WITH
90 TONS HOISTING CAPACITY
BY**



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TECHNICAL SPECIFICATIONS

TRAILER
Dimensions of 3-AxleTrailer
Length:14 meters
Width:2.90 meters
Height:1.60 meters
Chassis Thickness is 600 mm
Trailer has 12 wide -wheels and 1spare tire
Tire's size is 12.00 R 24

1.MAST

Mast Load Capacity	110 tons
Mast Pipes Diameter and Thickness	4”inches- 8 mm

Dimensions of the Mast

Lenght:	16 meters
Rear Width:	2,70 meters
Height:	1.20 meters
Ground Clearance of Mast is 19 - 21 meters	
Monkey board (Balcony) will be built to the mast	

2. DECK ENGINE

Double Diesel Deck Engine will be mounted on the Rig
One engine is 525 HP and the other engine is 420 HP
Engine Transmission is Fuller Eaton and Clutch Plate diameter is 42 cm.

3. POWERTRAIN SYSTEM

Transfer Case will be with double engine input and two transmissions
Transmissions are Fuller Eaton and diameter of Clutch Plate is 42 cm.
Transfer Case will have 10 transfer Out put.
Chains of Transfer Case are 1 1/4” and 4 roller.
Transfer Case is with 1 1/4”-quadruple sprocket
Drive Shafts are big type Total Number of Drive Shafts is 6.



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4. DRAW-WORKS

Triple Drum Draw Works (one for power train system) will be mounted rear-front on the Rig
Drums diameter is 850 mm.
Drums has dual brake system (dual pressure plate).
Brake Drums diameter is 900 mm
Each Drum has 6 pcs Geartooth Facings (total 12).
These Gear tooth Facing souter diameter is 715 mm, thickness is 22 mm And number of teeth is 111
Draw-works hook load capacity is 90 tons.

5. ROTARY TABLE

Dimensions of the Rotary table		
Inner Diameter	360 mm	
Median Diameter	1000 mm	
Outer Diameter	1300 mm	
Rotary Table Ground Clearance	160cm	300 cm (max)
Rotary Table bottom and top seals are buried for air-system		
Heavy duty fabricated frame		
Rotary load capacity is 100 tons.		
Rotary rotation speed (as Deck Engine rotationspeed is 330 rpm):		
First gear	25 rpm	
Second gear	35 rpm	
Third gear	60 rpm	
Forth gear	90 rpm	
Fifth gear	125 rpm	
Sixth gear	155 rpm	
Reverse gear	20 rpm	



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6. SWIVEL AND KELLY BAR

A. Swivel

Swivel load capacity	110 tons
Swivel Pipe diameter	3 inches
Swivel is made of Steel	

B. Kelly

Kelly Bar is US-Made, 4 or 6 corner
Kelly Bar length is 12 meters and Kelly Bar width is 130mm – 140 mm
Pulley blocks of Kelly bar are with 4 wheels and 8 ropes
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7. CIRCULATION SYSTEM

A. Mud Pump

One Piece 7,5 x10 Mud Pump will be on the Rig
Mud Pump Flow Rate is 1850 lt/min
Mud Pump Suction Line diameter is 5 inches and discharge line diameter is 3 inches and discharge pipe outlet diameter is 1.5 inches
Length of Discharge Hose is 10 meters
There will be one piece -5 inches Valve and 6 meters- 5 inches water suction hose- with Mud Pump

B. Centrifugal Pump

One piece SP3 Centrifugal Pump will be mounted on the Rig.
Centrifugal Pump water Suction Line diameter is 4 inches and discharge line diameter is 3 inches. Centrifugal Pump discharge pipe outlet diameter is 1.5 inches
Length of Discharge Hose is 10 meters
There will be one piece- 4 inches Valve and 6 meters- 4 inches water suction hose-with Centrifugal Pump
Water Pressure Hoses of the Rig is 3 inches in diameter and 2-wired metal pressed
One Piece Foam Pump for Air-Drilling will be added on the Rig.



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8. HYDRAULIC SYSTEM

Total Number of Hydraulic Lifts on the Rig is 8.
Two Hydraulic Lifts for lifting up Rig-Mast.
Four piece Leg-Lifts for getting fixed and lifting up the Rig.
Front and rear legs of the Rig are double-legged and hydraulic lifts will be in the middle of these two legs.
Two piece Hydraulic Lifts for sliding Rotary Table for ward and back
Volume of hydraulic pump is 80 liters And oil pressure hoses will be 2 wired

9. ELECTRIC POWER SYSTEM

One piece 115 KW Alternator will be on the Rig
450 Amp Welding Machine will be mounted
Total Number of Lightning Projectors is 5 and Lightning Distance is 25 meters
Control Panel will have Engine Start & Stop Button, heat and oil indicator

10. CROWN BLOCK AND DRILL-LINE SYSTEM

Crown Block diameter is 50 cm
Total Crown Block Number is 14
Lines Diameter is 22 mm and 6×36
Total Length of Lines is 350 meters

11. AUXILIARY PARTS

One piece Manual Tong
One piece Pipe-Vise
One piece Hoisting Plug
One Piece Pipe- Slip
One piece 8½", 12½" and 17½" Drilling Sub (Coupling Sleeve)



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12. ACCESSORIES& PAINTING

Walking Platform will be built along two side of the Rig
Four Piece Tool- Boxes
One piece Engine Cabin
Acrylic and Seawater Resistant Paint
Rig will be get painted according to Buyer'sColor Choice

13. CONDITIONS OF WARRANTY

Acarkardesler Drilling Company's warranty is valid against all sort of manufacturing faults for one year.
This warranty does not cover User-Originated faults
Manufacturer is going to be come with every exported- drilling rig for only 10 days to control all working –drilling system and training
Acarkardesler Drilling Company will help to customer in the matter of providing full time drillers for determined fee

14. PAYMENT AND DELIVERY TERMS

1500 meters Depth Drilling Rig will be delivered in operation
Payment Plan for 1500 meters Depth Drilling Rig is %100 T/T Irrevocable.
Delivery Terms : FOB OR CFR
Delivery time : 40 business days



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