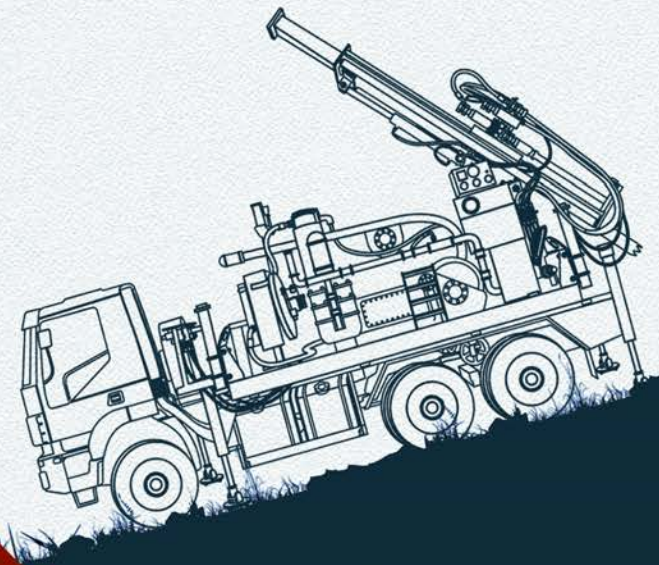




ESSENCE

Import and Exports

INDIA



We TRADE the World!

 essenceimex.com

About US

We were founded in 2018 by Mr. Sriram and Shiva with expertise in Supply Water well Drilling rigs, Mining rigs, Piling Rigs, and accessories like DTH Hammers, DTH Button Bits, etc.

We are the industry leaders in the export and import of Water well rigs and their accessories.

Our team has decades of experience in the drilling industry. We visited over 30 countries, received feedback from our clients, and developed the most cutting-edge equipment to serve our customers.

Backed by more than 15 years of industry experience and a proven track record, we provide our customers with the best drilling rigs to meet their requirements.

The rig is customized according to the country's geological conditions, thus ensuring optimum results. Our products are available at the most competitive prices in India.

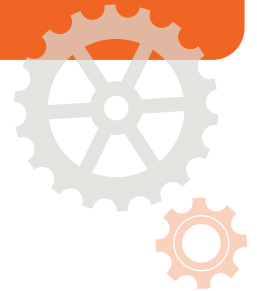
Delivering
**Results, Reliability
& Dependability!**



DTHR 300

Heavy Duty Drilling Rig

DTHR 300 is Top Head Drive DTH Cum Rotary Rig is capable of drilling in different formations such as Hard Rock by DTH, Un consolidated / Alluvial formations using Air/Water/Foam flush by Rotary Method up to a depth of 300 Meters, Under favorable drilling conditions.



TECHNICAL Specifications

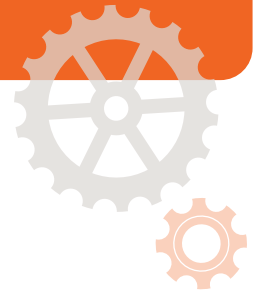
| | | | |
|------------------------------|--|---------------------------------------|--------------------------------|
| Model Type | DTHR 300, Top Head Drive DTH cum Rotary Drilling Rig | | |
| DTH Drilling | Hole Diameter: 6" to 12" up to a depth of 300 Meters depth and 14" (Over Burden) | | |
| Carrier Truck | Truck for the mounting of Rig, Air compressor and Mud pump. | | |
| Make | 30 Ton 6x4 Ashok Leyland / SINO OR any reputed make | | |
| Prime Mover | The system shall be powered from the same truck Engine with PTO arrangement thru a Transfer Gear Box | | |
| Mast overall Length | 9000mm | | |
| Rotary Head travel | 7000mm | | |
| Feed Cylinder Size & Stroke | Dia 160mm x Dia 100mm x 2350mm lg. | Pull Back: 20 Tons | Pull Down: 10 Tons |
| Rotary Head Assembly | Fabricated steel body | | |
| | Torque: 800 Kg-m (Wwith Double Motors) | Rotation Speed: Spindle RPM - 80 Rpm | |
| Hydraulics | Max Operating Pressure: 220 Kg/Cm2 | Hydraulic Tank Capacity: 1000 Liters. | |
| | Filtration (Nom) - Return line: 10/25 Microns | Oil Cooler: LHC-044 (Oleaer Make) | |
| Stabilizer | Model: Hydraulically Operated Box Type Jacks | | |
| | Cylinder Bore Diameter: 125mm | Stroke: 1000mm | No. Of Jacks: 4 Nos(Box type) |
| Break Out Wrench | Cylinder Bore Diameter: 100mm | Stroke: 300mm | |
| Mast Raising Cylinder | Cylinder Bore Diameter: 100mm | Stroke: 800mm | No. Of Jacks: 2 Nos(Box type) |
| Water Injection Pump | Max. Flow: 80 Liter/minute | Max. Pressure: 50kg/cm2 | |
| Auxiliary Winch | Bare drum-Pull: 1000 kgf | Max. Speed: 20 Meter/minute | |
| Air Compressor | Make: ATLAS COP CO /ELGI | Capacity: 1200 Cfm/330 PSI | |
| Mud Pump | 6"x8"- Hydraulically driven Duplex Mud Pump required for Mud Rotary drilling | | |
| | Max Flow: 1321 Liter/minute | Max. Pressure: 20 Kg/cm2 | Liner Size: 6" Stroke: 8" |

DTHR 600

Heavy Duty Drilling Rig



DTHR 600 is Top Head Drive DTH Cum Rotary Drilling Rig is capable of drilling in different formations such as Hard Rock by DTH, Un consolidated / Alluvial formations using Air/Water/Foam flush by Rotary Method up to a depth of 600 Meters, Under favorable drilling conditions.



TECHNICAL Specifications

| | | |
|------------------------------|--|---|
| DTH Drilling | Hole Dia 6", 12" Up to 600 Mtr depth and 14" (Over burden) | Hole Dia 6", 16" Up to 600 Mtr depth and 18" (Over burden). |
| Carrier Truck | Truck for the mounting of Rig, Air compressor and Mud pump. | |
| Make | Min 35 Ton SINO/ MAN OR any reputed make | |
| Prime Mover | The system shall be powered by a separate on board diesel driven deck engine with suitable PTO arrangement | |
| | Engine Make: Cummins or any reputed make | Rated Capacity: 320 HP @ 1900 RPM OR Higher |
| | Mast Overall Length: 11000 mm OR updated | Rotary Head Travel: 8500mm |
| Feed Cylinder Size & Stroke | Dia 160 mm x Dia 100mm x 2950mm stroke – 2 No's. | Pull Back: 43 Tons Pull Down: 26 Tons |
| Rotary Head Assembly | Top Head Drive | Torque Speed: 893 Kg-m @ 150 RPM (with double motors) |
| | Hydraulic Motors : 1786 Kg-m with 75 rpm with 4 No's hydraulic motors | Note: Sliding provision shall be provided |
| Hydraulics | Max Operating Pressure: 320 Kg/Cm2 | Hydraulic Tank Capacity: 1000 Liters. |
| | Filtration (Nom) – Return line: 10/25 Microns | Oil Cooler: LHC-044 (Oleaeer Make) |
| Stabilizer | Model: Hydraulically Operated Box Type Jacks | |
| | Cylinder Bore Diameter: 125mm | Stroke: 1000mm No. Of Jacks: 4 Nos(Box type) |
| Break Out Wrench | Cylinder Bore Diameter: 100mm | Stroke: 300mm |
| Mast Raising Cylinder | Cylinder Bore Diameter: 125mm | Stroke: 800mm No. Of Jacks: 2 Nos(Box type) |
| Water Injection Pump | Max. Flow: 80 Liter/minute | Max. Pressure: 70kg/cm2 |
| Auxiliary Winch | Bare Drum-Pull: 31 Kn | Max. Presure: 22 Meter/minute |
| Main Winch | Direct Pull: 75 Kn | Wire Rope : 22 mm |
| Welding Generator | Make: Dynamax or any reputed make | Capacity: 400 AMPS |
| Air Compressor | Make: ATLAS COP or any reputed make | Capacity: 1200 CFM / 330 PSI OR higher |
| | Above compressor shall be mounted on separate Truck | |
| Mud Pump | 75"x10" - Hydraulically driven duplex, double acting high pressure reciprocating 75"x10" Mud pump shall be provided for Mud Rotary Drilling. | |

Economic Pack Drilling Rig

DTH 300

Top Head Drive Drilling Rig

DTH 300 is Top Head Drive DTH Drilling Rig is capable of drilling in different formations such as Hard Rock by DTH, Un consolidated / Alluvial formations using Air/Water/Foam flush by Rotary Method up to a depth of 300 Meters, Under favorable drilling conditions.



Economic Pack Drilling Rig

TBW 40

Tractor Mounted Drilling Rig

Tractor Mounted Rigs, which are available in various models, sizes, and working capacities. Known for their excellent rod handling capacity. These drill rigs are suitable for hole dia 4.5-6.5" up to depth 500 feet.



TECHNICAL Specifications

| | | |
|------------------------------|---|----------------------------------|
| DTH Drilling | Hole Dia 6.5" - 8" Up to Max. 300Mtr depth | Max Overburden Dia: 9" |
| Carrier Truck | 1st Truck for the mounting of Rig and the Air compressor. | |
| Make | Ashok Leyland | |
| Prime Mover | The system shall be powered from the same truck Engine with PTO arrangement thru a Transfer Gear Box. | |
| Mast Assembly | Overall Length: 8800mm | Rotary Head Travel: 7000mm |
| | Centralizer Opening: 10 5/8" (270 mm) | |
| Feed System | Feed & Hoist actuation: Pulley, wire rope & Hydraulic cylinder. | |
| | Feed Cylinder Size & Stroke: Dia 140mm x Dia 100mm x 2350mm lg | |
| | Pull Back: 14100 Kgf | Pull Down: 6900 Kgf |
| | Reeving Ratio: 1:3 | Hoisting Speed: 35 M/m |
| Rotary Head | Top Head Drive Fabricated steel body | |
| | Torque Speed: 280Kg-m | Rotation Speed: 0-100Rpm |
| | Note: The RH unit travels on Mast assembly to absorb sudden shock loads encountered during drilling operation. | |
| Hydraulics | Max Operating Pressure: 275 Kg/Cm2 | |
| | Filtration (Nom) - Return Line: 10/25 Microns | |
| | Hydraulic Tank Capacity: 550 Ltrs. Oil Cooler: Fin type oil to Air. | |
| Stabilizer | Model: Hydraulically operated Box type jacks | |
| | Cylinder Bore Dia: 125mm | Stroke: 650mm No. of Jacks: 4Nos |
| Break Out Wrench | Cylinder Bore Diameter: 100mm Stroke: 300mm | |
| Mast Raising Cylinder | Cylinder Bore Diameter: 100mm | Stroke: 800mm |
| Water Injection Pump | Max. Flow: 56 Liter/minute | Max. Pressure: 40 kg/cm2 |
| Auxiliary Winch | Bare Drum-Pull: 1000 kgf | Max. Speed: 20 Meter/minute |
| Single Rod Changer | Manually operated Single Rod changer for changing/adding the drill pipes. | |
| Airline Lubricator | Make: Spinc | Capacity: 1450 Cfm/350psi |
| Air Compressor | Capacity: 1100 Cfm/300 PSI | Mast Raising Cylinder |
| Mud Pump | Optional | |

TECHNICAL Specifications

| | | |
|------------------------------|--|-------------------------------|
| Hole Diameter | 4.5" - 6.5" | |
| Depth | 500 Feet | |
| Tractor | New Holland/Form Tractor/As per customer request. | |
| Prime Mover | Tractor Engine | |
| Application | Water Well Drill Rig | |
| Formation | Soft / Hard Rock | |
| Mast Assembly | Maximum Pull up force - 4500 kgs | |
| | Maximum Pull down force - 2400 kgs | |
| | Maximum Pull up speed - 35 meter / minute | |
| | Maximum Pull down speed - 45 meter / minute | |
| | Reeving Ratio 1:3 | |
| Rotary Head | Torque Speed: 280 Kg-m | |
| | Rotation Speed: Spindle RPM: 0-100 Rpm | |
| Hydraulic System | Maximum Working pressure 200 kg/cm2 | |
| | Pumps: Load sensing | |
| Hydraulic Oil Cooler | 20 gpm | |
| Break Out Wrench | Maximum Torque: 500 kg.m | Cylinder Bore: 80mm |
| Leveling Jacks | Four Box type hydraulic leveling jacks | |
| | Cylinder Bore Diameter: 125mm | Stroke: 650mm |
| | No. Of Jacks: 4 Nos | |
| Water Injection Pump | Triplex reciprocating pump powered by hydraulic motor | |
| Optional Attachments | Shock sub, Stem lock, Hole sweeper, Dust collector, Digital controls, Auto drilling, GPS system, Data logging system, Welding generator. | |
| Mast raising cylinder | Bore : 100 mm | Stroke: 465mm Quantity: 2No's |
| Air Compressor | 600 cfm - 200 psi / As per customer request. | |
| Air line lubricator | 18 liters | |

Bits & Hammers

Essence Hammers are the most sustainable Hammers and they give a very long life.

| | |
|---------------|---|
| 3" Cheetha | Bits Cheetha 3.0"/3.5"/4.0"/4.5" |
| D 40 | Bits D 40(SD 4) 4.2 /4.5 / 5 /5.5 / 6 /6.5 /7 |
| DHD-340 | Bits DHD-340 4"/4.5"/ 5"/5.5"/ 6" |
| DHD-360 | Bits DHD-360 6.0 /6.5 /7.0 /7.5/8.0 /8 5/9.0(OB) |
| 6" SPEED | Bits Digger 6 0"/6 5"/7 0"/7 5"/8 0"/8 5"/8 5"(OB)/9 0"(OB)/10 0"(OB)/10 5 0"(OB)/11 0"(OB)/12 0"(OB) |
| 6.5" SPEED | Bits Digger 6.5"/7.0"/7.5"/8.0"/8.5"/8.5"(OB)/9.0"(OB)/ 10.0"(OB)/10.5.0"(OB)/11.0"(OB)/12.0"(OB) |
| DHD-380 | Bits DHD-380 8.0"/8.5"/8.714"/9.0"/9.5"/10.0"/ 10.5"/11.0"/11.5"/12.0"/12.5"/14.0" |
| 8" Gladiator | Bits Gladiator 7 875"/8 0"/8 5"/9 0"/9 5"/10 0"/ 10 5"/11 0"/11 5"/12 0" |
| 8 Gladiator | Bits Gladiator 7 875 /8 0 /8 5 /9 0 /9 5 /10 0 / 10 5 /11 0 /11 5 /12 0 |
| 8 Gladiator | Bits Gladiator 7 875 /8 0 /8 5 /9 0 /9 5 /10 0 / 10 5 /11 0 /11 5 /12 0 |
| 10" RK1 Hamer | BITS - 10" and 12" |
| 12" RK3 Hamer | BITS - 12" and 14" |



Friction Welded, Induction Hardened & Special Alloy Steel Drill Rods

Available Sizes

3", 3 1/2", 4 1/2", 5 1/2"

Available Length

5' 10' 15' 20' 30'



Rock Rollers

2 5/8" - 20" Bits

Rock Rollers are the unique product of Essence. This rigid product made for giving strong support to your drilling needs.



Rig Hydraulics & Spare Parts



Air Compressor Model ATLAS/ELGI

1100/300

1100/300 Plus

1200/330/365 or 500

1350/365 & 425

750

650



Mudpumps

5" X 4 1/2"

6" X 6"

6" X 8"

7 1/2" X 10"

Mission Magnum



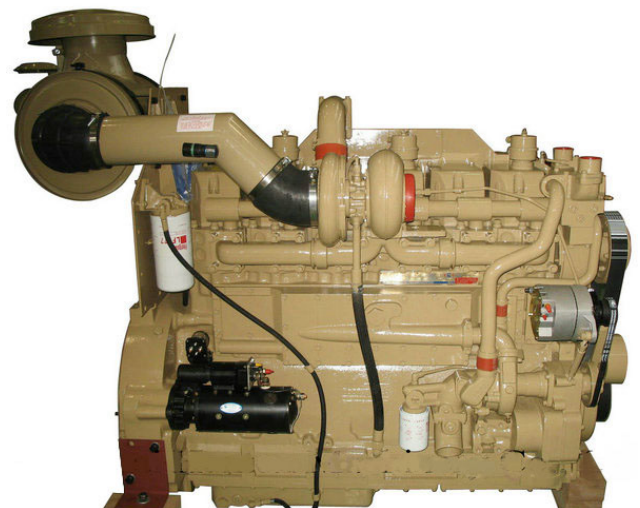
Engines

110 HP

169 HP

320 HP

450/480 HP



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