

apollo®

THE ULTIMATE DRILLING SOLUTIONS

MADE IN
INDIA
FOR THE WORLD



India's First
Horizontal Directional Drill
Machine Manufacturer

A Series
Product Line

www.apollotechno.com



ABOUT THE COMPANY

The Apollo Techno Group has established a robust presence in the manufacturing of road construction equipment, built on a solid foundation of customer value creation and over four decades of responsible business practices. As part of its diversification strategy, the Group has expanded into the production of underground construction equipment, specifically Horizontal and Foundation Drilling machines. Today, Apollo Techno Industries Private Limited proudly leads the way as India's first manufacturer of Horizontal Directional Drilling machinery.

Our expertise in equipment manufacturing for over four decades has helped us develop a deep understanding of customer needs, and this has been translated as our own Impact Design language. We have earned recognition as one of the key players in the drilling machinery industry in the domestic and international markets. We are into the manufacturing of various types of directional drills, mud pumps, diaphragm wall drilling Rigs, rotary drilling rigs (pilling rigs) and downhole tooling, along with on-site services.

Our organization operates on SAP ERP systems, employing modern manufacturing processes to ensure timely availability of spare parts. With innovative leadership and a commitment to strong customer relationships, Apollo Techno is a growing global force in equipment manufacturing. Our qualified and experienced team is dedicated to delivering total customer satisfaction through high-quality products and exceptional after-sales support.

Directional Boring, also referred to as Horizontal Directional Drilling (HDD), is a minimal impact trenchless method of installing underground utilities such as pipe, conduit, or cables in a relatively shallow arc or radius along a prescribed underground path using a surface-launched drilling rig, with minimal impact on the surrounding area.

Directional Drilling is used when trenching or excavating is not practical. It is suitable for a variety of soil conditions and jobs including road, landscape and river crossings. Pipe can be made of materials such as PVC, High Density Poly Ethylene (HDPE), Poly Propylene, and Steel Pipe as long as it can be pulled through the drilled hole.

INDIA'S ONLY FASTEST GROWING MANUFACTURER OF HORIZONTAL DIRECTIONAL DRILLING



THE FUTURE IS BUILT ON SOLID GROUND

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World-class manufacturing forms the essence of Apollo Techno. In the manufacturing process, our facilities ensure that every step – from design to production to assembly – follows the highest standards of quality. Situated at India's best strategic location in Gujarat (Ahmedabad-Mehsana state highway) with over 34000 square meter spread area, our workshops combine modern manufacturing practices with cutting edge technology. Each workshop is equipped with state-of-the-art manufacturing and assembly lines to cater to large numbers and different variants of machines. Our constant focus on automation and technology makes us the leader in India's Horizontal Directional Drilling Machines, Diaphragm Wall Drilling Rigs and Rotary Drilling Rigs market and places us among the top in the Industry.

While manufacturing machines, we pay emphasis on safety, maintenance, user comfort and life cycle cost. To offer the best machine experience to our customers, our passionate engineering and quality talent ensures production of superior machines, which has led to the rapid growth in global demand for our Machines.



Horizontal and Foundation Drilling Machines

V2 Series

REVOLUTIONIZING HORIZONTAL DIRECTIONAL DRILLING

Apollo Techno is a highly reputable and esteemed company in the global trenchless drilling manufacturing industry. We are thrilled to present our new "V2 Series" in India. An innovative and revolutionary advancement to our renowned A series. This innovative line of drilling rigs has been meticulously engineered to conquer even the most demanding and complex geological conditions, surpassing all previous benchmarks regarding efficiency, and sheer power.

With the V2 series, we are setting a new standard in the industry.

Key Improvements

The V2 series offers significant advancements over its predecessor:

- **More Dynamic:** Adaptable to various drilling applications
- **More Powerful:** Enhanced capabilities for future projects
- **Simplified Electrical Systems:** For easier maintenance and reduced downtime

Prioritizing Operator Comfort and Efficiency

We've prioritized ergonomics in the V2 series design:

- **Refined Operator Station:** Allowing for longer operational periods without fatigue
- **Improved Controls:** Enhancing precision and ease of use
- **Result:** Increased productivity and efficiency on job sites

A Leap Forward in Drilling Technology

The V2 series promises to revolutionize drilling operations by combining increased power with improved efficiency. It offers:

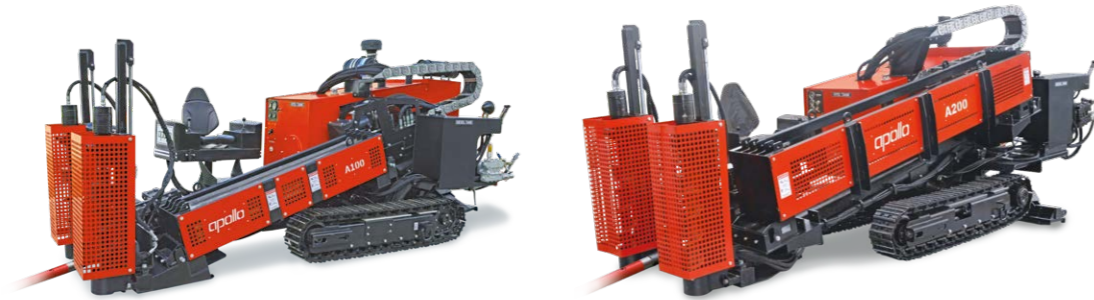
- A compelling upgrade path for existing users
- Advanced features for better productivity
- Sustainable solutions aligning with global environmental responsibilities
- Reduced resource consumption

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A MID-SIZE RIG for TOUGH JOBS



Horizontal Directional Drill Machines



Technical Specifications

| Model | A100 V2 | A200 V2 |
|---|--------------------------------|--------------------------------|
| Dimensions & Weights | | |
| Length | 4270 mm | 5330 mm |
| Width | 1550 mm | 1550 mm |
| Height | 2000 mm | 2000 mm |
| Weight (without Drill Pipe) | 4340 kg | 4940 kg |
| Weight (with Drill Pipe) | 4576 kg | 5598 kg |
| Engine | | |
| Make & Model | Ashok Leyland ALUW04D | Ashok Leyland ALUW04D |
| Fuel Type | Diesel | Diesel |
| Maximum Engine Speed | 2200 rpm | 2200 rpm |
| Number of Cylinders | 4 Cylinders with Turbo Charger | 4 Cylinders with Turbo Charger |
| Horse-Power Rating | 85 HP | 85 HP |
| Maximum Torque | 230 Nm @ 1800 rpm | 230 Nm @ 1800 rpm |
| Cooling Method | Liquid | Liquid |
| Drill Pipe | | |
| Working Length | 1829 mm (1.8 m) | 3048 mm (3 m) |
| Weight (Each Pipe) | 12 kg | 23 kg |
| Rod Box Capacity | 28 Pipes | 28 Pipes |
| Outer Diameter of Joints | 48 mm | 54 mm |
| Outer Diameter of Tube | 42 mm | 48 mm |
| Mud Pump | | |
| Flow | 26 GPM | 26 GPM |
| Pressure | 1000 psi | 1000 psi |
| Technical Parameter | | |
| Maximum Spindle Speed | 216 rpm | 216 rpm |
| Maximum Spindle Torque | 3800 Nm | 3800 Nm |
| Thrust Force | 5000 kg | 9850 kg |
| Pull-Back Force | 5000 kg | 9850 kg |
| Features | | |
| Electrical System | 12 V | 12 V |
| Drilling Lights | YES | YES |
| Auto-Anchoring System | YES | YES |
| Crane | - | - |
| Hydraulic Enable | YES | YES |
| Rack-Pinion System | YES | YES |
| Auto Rod-Loader System | - | - |
| Operators' Cabin (Optional) | - | - |
| Drive System | Steel Track | Steel Track |
| Hydraulic Systems | | |
| Auxiliary Pump Relief Pressure | 3000 psi | 3000 psi |
| Thrust / Pull-Back Pump Relief Pressure | 3350 psi | 3350 psi |
| Rotational Pump Relief Pressure | 3750 psi | 3750 psi |
| Fluid Capacities | | |
| Engine Oil Capacity | 10 litre | 10 litre |
| Diesel Tank Capacity | 120 litre | 120 litre |
| Hydraulic Oil Tank Capacity | 182 litre | 182 litre |

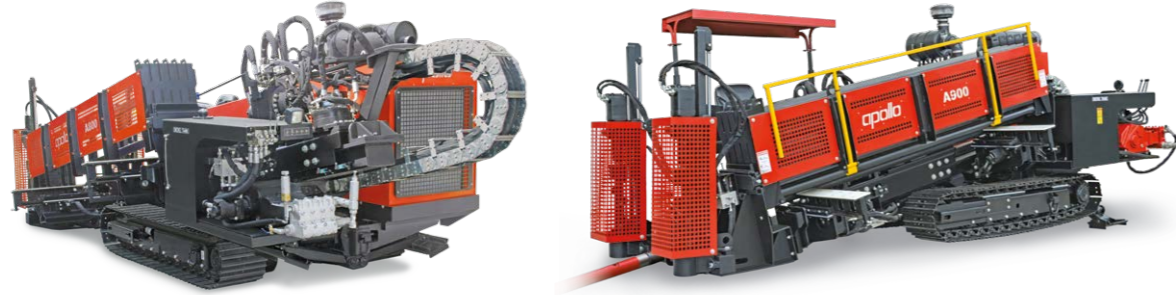
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Technical Specifications

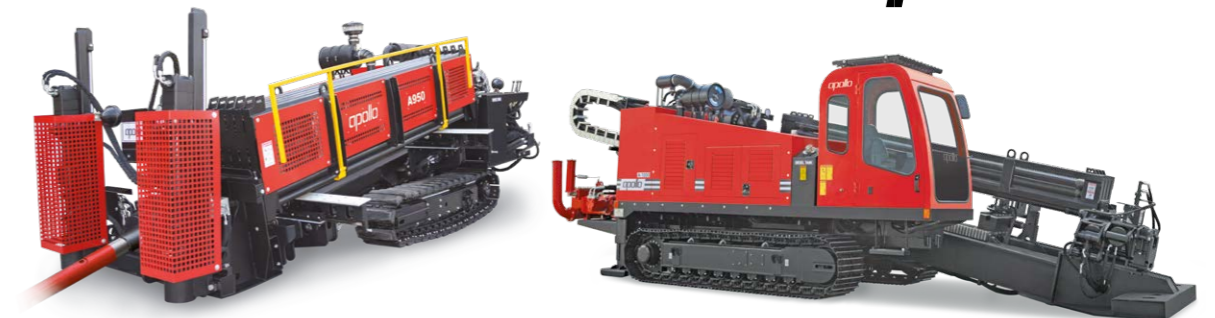
| Model | A400 V2 | A600 V2 |
|---|--------------------------------|--------------------------------|
| Dimensions & Weights | | |
| Length | 5400 mm | 6020 mm |
| Width | 1970 mm | 2350 mm |
| Height | 2190 mm | 2250 mm |
| Weight (without Drill Pipe) | 6080 kg | 6970 kg |
| Weight (with Drill Pipe) | 7730 kg | 8670 kg |
| Engine | | |
| Make & Model | Ashok Leyland H4CTINES24/1 | Ashok Leyland H4CTINES24/1 |
| Fuel Type | Diesel | Diesel |
| Maximum Engine Speed | 2400 rpm | 2400 rpm |
| Number of Cylinders | 4 Cylinders with Turbo Charger | 4 Cylinders with Turbo Charger |
| Horse-Power Rating | 130 HP | 130 HP |
| Maximum Torque | 460 Nm @ 1700 rpm | 460 Nm @ 1700 rpm |
| Cooling Method | Liquid | Liquid |
| Drill Pipe | | |
| Working Length | 3048 mm (3 m) | 3048 mm (3 m) |
| Weight (Each Pipe) | 33 kg | 33 kg |
| Rod Box Capacity | 50 Pipes | 50 Pipes |
| Outer Diameter of Joints | 66.7 mm | 66.7 mm |
| Outer Diameter of Tube | 60.3 mm | 60.3 mm |
| Mud Pump | | |
| Flow | 60 GPM | 70 GPM |
| Pressure | 1000 psi | 1000 psi |
| Technical Parameter | | |
| Maximum Spindle Speed | 260 rpm | 258 rpm |
| Maximum Spindle Torque | 5500 Nm | 6500 Nm |
| Thrust Force | 9000 kg | 20810 kg |
| Pull-Back Force | 12600 kg | 20810 kg |
| Features | | |
| Electrical System | 12 V | 12 V |
| Drilling Lights | YES | YES |
| Auto-Anchoring System | YES | YES |
| Crane | - | - |
| Hydraulic Enable | YES | YES |
| Rack-Pinion System | - | YES |
| Auto Rod-Loader System | - | YES (OPTIONAL) |
| Operators' Cabin (Optional) | - | - |
| Drive System | Steel Track | Steel Track |
| Hydraulic Systems | | |
| Auxiliary Pump Relief Pressure | 3000 psi | 3000 psi |
| Thrust / Pull-Back Pump Relief Pressure | 3000 psi | 6000 psi |
| Rotational Pump Relief Pressure | 6000 psi | 6000 psi |
| Fluid Capacities | | |
| Engine Oil Capacity | 12 litre | 12 litre |
| Diesel Tank Capacity | 130 litre | 130 litre |
| Hydraulic Oil Tank Capacity | 210 litre | 224 litre |

Horizontal Directional Drill Machines



Technical Specifications

| Model | A800 V2 | A900 V2 |
|---|--------------------------------|--------------------------------|
| Dimensions & Weights | | |
| Length | 5900 mm | 6100 mm |
| Width | 2470 mm | 2470 mm |
| Height | 2310 mm | 2310 mm |
| Weight (without Drill Pipe) | 9508 kg | 10270 kg |
| Weight (with Drill Pipe) | 11208 kg | 12170 kg |
| Engine | | |
| Make & Model | Ashok Leyland H6ETIC3RS23/1 | Ashok Leyland H6ETIC3RS23/1 |
| Fuel Type | Diesel | Diesel |
| Maximum Engine Speed | 2200 rpm | 2200 rpm |
| Number of Cylinders | 6 Cylinders with Turbo Charger | 6 Cylinders with Turbo Charger |
| Horse-Power Rating | 160 HP | 170 HP |
| Maximum Torque | 589 Nm @ 1800 rpm | 589 Nm @ 1800 rpm |
| Cooling Method | Liquid | Liquid |
| Drill Pipe | | |
| Working Length | 3048 mm (3 m) | 3048 mm (3 m) |
| Weight (Each Pipe) | 33 kg | 45 kg |
| Rod Box Capacity | 50 Pipes | 32 pipes |
| Outer Diameter of Joints | 66.7 mm | 81 mm |
| Outer Diameter of Tube | 60.3 mm | 73 mm |
| Mud Pump | | |
| Flow | 70 GPM | 80 GPM |
| Pressure | 1000 psi | 1000 psi |
| Technical Parameter | | |
| Maximum Spindle Speed | 234 rpm | 197 rpm |
| Maximum Spindle Torque | 7200 Nm | 8500 Nm |
| Thrust Force | 32020 kg | 36010 kg |
| Pull-Back Force | 32020 kg | 36010 kg |
| Features | | |
| Electrical System | 24 V | 24 V |
| Drilling Lights | YES | YES |
| Auto-Anchoring System | YES | YES |
| Crane | - | - |
| Hydraulic Enable | YES | YES |
| Rack-Pinion System | YES | YES |
| Auto Rod-Loader System | YES | YES |
| Operators' Cabin (Optional) | - | - |
| Drive System | Steel Track | Steel Track |
| Hydraulic Systems | | |
| Auxiliary Pump Relief Pressure | 3000 psi | 3000 psi |
| Thrust / Pull-Back Pump Relief Pressure | 6000 psi | 6000 psi |
| Rotational Pump Relief Pressure | 6000 psi | 6000 psi |
| Fluid Capacities | | |
| Engine Oil Capacity | 19 litre | 19 litre |
| Diesel Tank Capacity | 168 litre | 168 litre |
| Hydraulic Oil Tank Capacity | 239 litre | 239 litre |



Technical Specifications

| Model | A950 V2 | A1000 V2 |
|---|--------------------------------|--------------------------------|
| Dimensions & Weights | | |
| Length | 6100 mm | 8600 mm |
| Width | 2470 mm | 2650 mm |
| Height | 2310 mm | 2600 mm |
| Weight (without Drill Pipe) | 12570 kg | 19230 kg |
| Weight (with Drill Pipe) | 14622 kg | 20406 kg |
| Engine | | |
| Make & Model | Ashok Leyland ALUW06DTI | Cat C7.1 |
| Fuel Type | Diesel | Diesel |
| Maximum Engine Speed | 2200 rpm | 2200 rpm |
| Number of Cylinders | 6 Cylinders with Turbo Charger | 6 Cylinders with Turbo Charger |
| Horse-Power Rating | 220 HP | 225 HP |
| Maximum Torque | 589 Nm @ 1800 rpm | 1350 Nm @ 1400 rpm |
| Cooling Method | Liquid | Liquid |
| Drill Pipe | | |
| Working Length | 3048 mm (3 m) | 4572 mm (4.5 m) |
| Weight (Each Pipe) | 54 kg | 98 kg |
| Rod Box Capacity | 32 Pipes | 12 Pipes |
| Outer Diameter of Joints | 83 mm | 103 mm |
| Outer Diameter of Tube | 73 mm | 89 mm |
| Mud Pump | | |
| Flow | 80 GPM | 200 GPM |
| Pressure | 1000 psi | 800 psi |
| Technical Parameter | | |
| Maximum Spindle Speed | 162 rpm | 114 rpm |
| Maximum Spindle Torque | 14500 Nm | 19798 Nm |
| Thrust Force | 42030 kg | 50400 kg |
| Pull-Back Force | 42030 kg | 50400 kg |
| Features | | |
| Electrical System | 24 V | 24 V |
| Drilling Lights | YES | YES |
| Auto-Anchoring System | YES | - |
| Crane | - | YES (OPTIONAL) |
| Hydraulic Enable | YES | YES |
| Rack-Pinion System | YES | YES |
| Auto Rod-Loader System | YES | YES |
| Operators' Cabin (Optional) | - | YES |
| Drive System | Steel Track | Steel Track |
| Hydraulic Systems | | |
| Auxiliary Pump Relief Pressure | 3000 psi | 3000 psi |
| Thrust / Pull-Back Pump Relief Pressure | 6000 psi | 6000 psi |
| Rotational Pump Relief Pressure | 6000 psi | 6000 psi |
| Fluid Capacities | | |
| Engine Oil Capacity | 19 litre | 20 litre |
| Diesel Tank Capacity | 168 litre | 242 litre |
| Hydraulic Oil Tank Capacity | 239 litre | 390 litre |

GEN II Series

REVOLUTIONIZING HORIZONTAL DIRECTIONAL DRILLING

Experience the future of drilling with Apollo Techno's GEN II. This cutting-edge horizontal directional drilling machine redefines industry standards, offering unparalleled performance for construction companies and contractors.

- ✓ **Futuristic Interactive Display**, the GEN II is equipped with a modern interactive display that provides real-time connectivity with a walk-over locating system. This advanced feature allows operators instant access to crucial information, ensuring precise and efficient drilling operations.
- ✓ **Advanced Control System**, the GEN II boasts an advanced control system that includes built-in diagnostics. This feature enhances the machine's reliability and simplifies maintenance procedures, reducing downtime and increasing productivity.
- ✓ **Designed for superior performance and durability**, the GEN II is powered by a high-quality Cat engine. This engine delivers exceptional power and efficiency, enabling the machine to tackle even the most challenging drilling projects with ease.
- ✓ **Auto Thrust/Pullback**, The GEN II offers parameters for precise operation. With its auto thrust/ pullback feature, operators can easily adjust the machine's settings to meet specific project requirements, providing consistent and efficient drilling results.
- ✓ **Enhanced Safety Features**, Safety is a top priority in the design of the GEN II. The machine incorporates comprehensive safety features ensuring workforce protection. The full-length glass cabin provides unobstructed visibility, allowing operators to have a clear view of the drilling area. Additionally, the ergonomic layout improves focus and reduces operator fatigue, enabling extended drilling hours.
- ✓ **Operational Improvements**, the GEN II showcases significant operational enhancements. The machine's more rigidity and stronger structure enable it to tackle tough projects. Furthermore, the faster troubleshooting capabilities minimize downtime, maximizing productivity on the job site.

The Apollo Techno's GEN II is a complete reimagining of drilling technology. With its powerful Cat engine, advanced hydraulics, and innovative features, this machine stands at the forefront of horizontal directional drilling.

Elevate your drilling operations with the GEN II – where power meets precision, and innovation drives success

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A LARGE-SIZE RIG for BIGGER JOB-SITE



Horizontal Directional Drill Machines



Technical Specifications

| Model | A1200 GEN II | A1500 GEN II |
|---|--------------------------------|--------------------------------|
| Dimensions & Weights | | |
| Length | 10350 mm | 11510 mm |
| Width | 2650 mm | 2650 mm |
| Height | 3275 mm | 3275 mm |
| Weight (without Drill Pipe) | 22850 kg | 24540 kg |
| Weight (with Drill Pipe) | 24650 kg | 26690 kg |
| Engine | | |
| Make & Model | Cat C7.1 | Cat C7.1 |
| Fuel Type | Diesel | Diesel |
| Maximum Engine Speed | 2200 rpm | 2200 rpm |
| Number of Cylinders | 6 Cylinders with Turbo Charger | 6 Cylinders with Turbo Charger |
| Horse-Power Rating | 285 HP | 285 HP |
| Maximum Torque | 1350 Nm @ 1400 rpm | 1350 Nm @ 1400 rpm |
| Cooling Method | Liquid | Liquid |
| Drill Pipe | | |
| Working Length | 6096 mm (6 m) | 6000 mm (6 m) |
| Weight (Each Pipe) | 150 kg | 180 kg |
| Rod Box Capacity | 12 Pipes | 12 Pipes |
| Outer Diameter of Joints | 111 mm | 127 mm |
| Outer Diameter of Tube | 89 mm | 114 mm |
| Mud Pump | | |
| Flow | 200 GPM | 200 GPM |
| Pressure | 1000 psi | 1000 psi |
| Technical Parameter | | |
| Maximum Spindle Speed | 104 rpm | 98 rpm |
| Maximum Spindle Torque | 30200 Nm | 36300 Nm |
| Thrust Force | 65300 kg | 95100 kg |
| Pull-Back Force | 65300 kg | 95100 kg |
| Features | | |
| Electrical System | 24 V | 24 V |
| Drilling Lights | YES | YES |
| Auto-Anchoring System | - | - |
| Crane | YES (OPTIONAL) | YES (OPTIONAL) |
| Hydraulic Enable | YES | YES |
| Rack-Pinion System | YES | YES |
| Auto Rod-Loader System | YES | YES |
| Operators' Cabin (Optional) | YES | YES |
| Drive System | Steel Track | Steel Track |
| Hydraulic Systems | | |
| Auxiliary Pump Relief Pressure | 3000 psi | 3000 psi |
| Thrust / Pull-Back Pump Relief Pressure | 6000 psi | 6000 psi |
| Rotational Pump Relief Pressure | 6000 psi | 6000 psi |
| Fluid Capacities | | |
| Engine Oil Capacity | 25 litre | 32 litre |
| Diesel Tank Capacity | 250 litre | 250 litre |
| Hydraulic Oil Tank Capacity | 440 litre | 440 litre |

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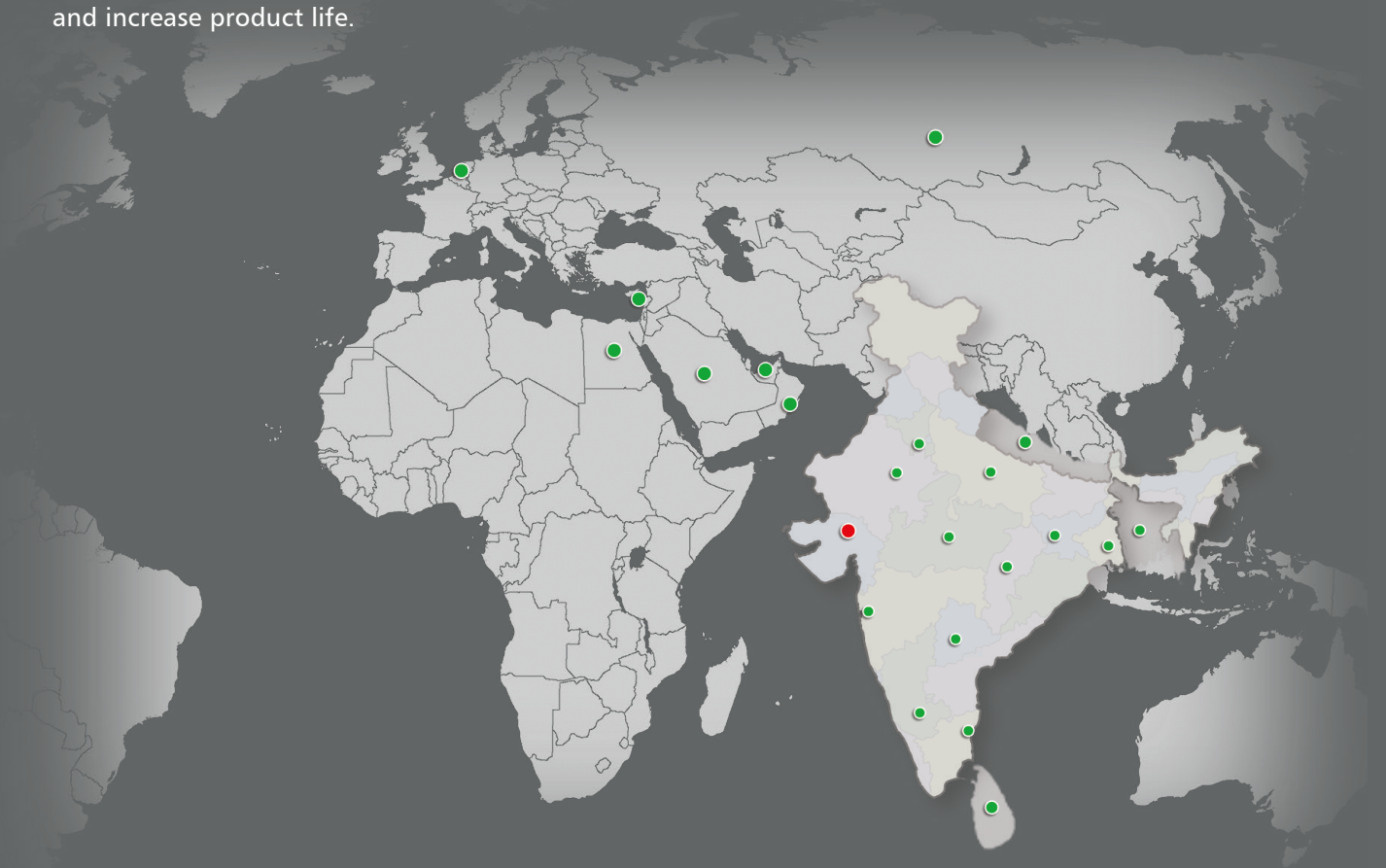
Technical Specifications

| Model | A2000 GEN II | A3000 GEN II |
|---|--------------------------------|--------------------------------|
| Dimensions & Weights | | |
| Length | 12100 mm | 18300 mm |
| Width | 2530 mm | 3200 mm |
| Height | 4250 mm | 4630 mm |
| Weight (without Drill Pipe) | 33250 kg | 36250 kg |
| Weight (with Drill Pipe) | - | - |
| Engine | | |
| Make & Model | Cat C9.3 | Cat C9.3 |
| Fuel Type | Diesel | Diesel |
| Maximum Engine Speed | 2000 rpm | 2000 rpm |
| Number of Cylinders | 6 Cylinders with Turbo Charger | 6 Cylinders with Turbo Charger |
| Horse-Power Rating | 402 HP | 442 HP |
| Maximum Torque | 1794 Nm @ 1400 rpm | 1794 Nm @ 1400 rpm |
| Cooling Method | Liquid | Liquid |
| Drill Pipe | | |
| Working Length | 6000 mm (6 m) | 9600 mm (9.6 m) |
| Weight (Each Pipe) | 200 kg | 350 kg |
| Rod Box Capacity | - | - |
| Outer Diameter of Joints | 168 mm | 190 mm |
| Outer Diameter of Tube | 127 mm | 139 mm |
| Mud Pump | | |
| Flow | 200 GPM | - |
| Pressure | 1000 psi | - |
| Technical Parameter | | |
| Maximum Spindle Speed | 94 rpm | 75 rpm |
| Maximum Spindle Torque | 39477 Nm | 77012 Nm |
| Thrust Force | 125300 kg | 180300 kg |
| Pull-Back Force | 125300 kg | 180300 kg |
| Features | | |
| Electrical System | 24 V | 24 V |
| Drilling Lights | YES | YES |
| Auto-Anchoring System | - | - |
| Crane | YES (OPTIONAL) | - |
| Hydraulic Enable | YES | YES |
| Rack-Pinion System | YES | YES |
| Auto Rod-Loader System | - | - |
| Operators' Cabin (Optional) | YES | Separate Cabin |
| Drive System | Steel Track | Steel Track |
| Hydraulic Systems | | |
| Auxiliary Pump Relief Pressure | 3000 psi | 3000 psi |
| Thrust / Pull-Back Pump Relief Pressure | 6000 psi | 6000 psi |
| Rotational Pump Relief Pressure | 6000 psi | 6000 psi |
| Fluid Capacities | | |
| Engine Oil Capacity | 32 litre | 32 litre |
| Diesel Tank Capacity | 345 litre | 373 litre |
| Hydraulic Oil Tank Capacity | 475 litre | 545 litre |

NATIONWIDE SUPPORT

No matter what the location, Apollo Techno is committed to provide extraordinary after sales support and genuine spare parts to customer. Our nationwide network of engineers and factory-trained technicians are always ready to support you with cost-effective service solutions that will keep your machine running at peak performance. Our warehouse operates on SAP ERP that manages and integrates availability of spares on time. We also provide on-site training support on preventive maintenance and equipment safety to the customers' operators.

Our Annual Maintenance Contracts (AMC) is much cost effective option for customer. It is a long-term comprehensive service contract covering unexpected breakdowns, which help to reduce maintenance cost and increase product life.



Head Office & Factory :

Apollo Techno Industries Private Limited

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Global Presence :

UAE, Oman, Saudi Arabia, Russia,
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