

apollo[®]

***THE ULTIMATE* DRILLING SOLUTIONS**



India's First
Horizontal Directional Drill
Machine Manufacturer

A Series
Product Line

www.apollotechno.com

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**





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 (piling 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.



THE FUTURE IS BUILT ON **SOLID GROUND**





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



apollo[®]

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



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	170 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

apollo®

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	275 HP	275 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



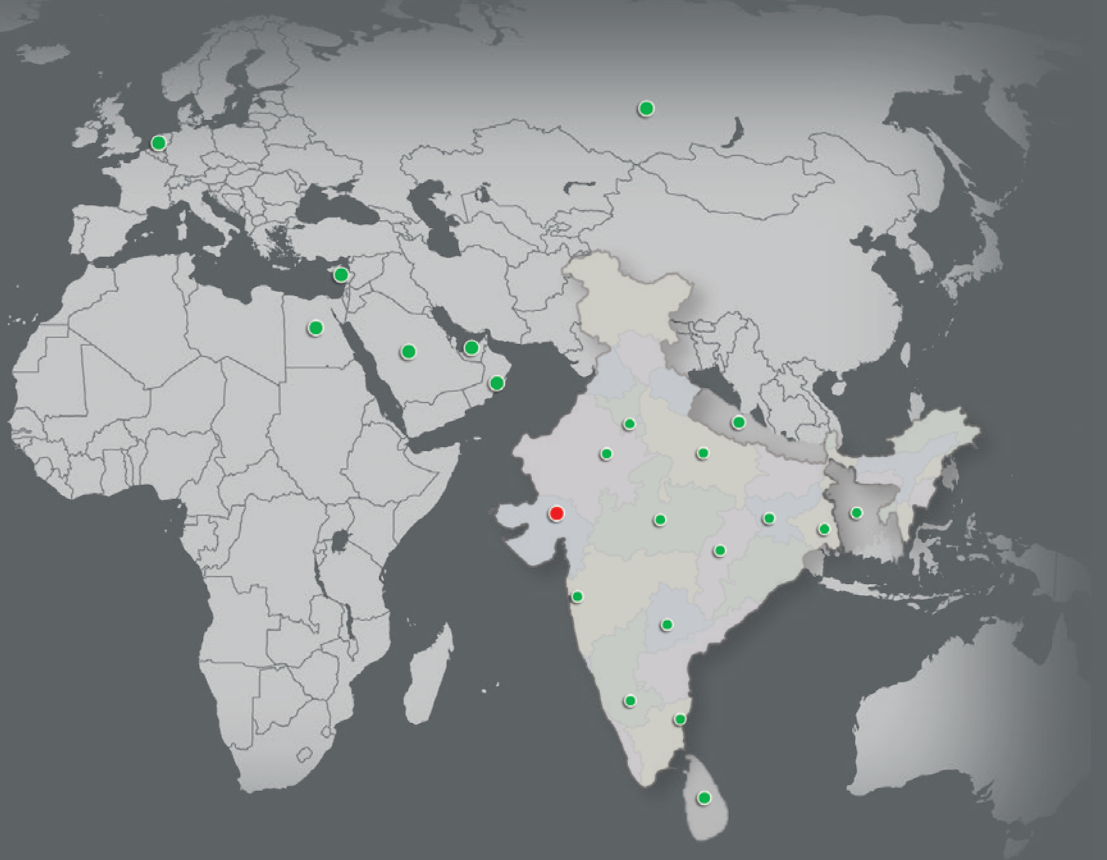
Technical Specifications

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 Limited
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