

apollo[®]



2025
CORPORATE
CATALOGUE

R Series
GEN II





THE ULTIMATE DRILLING SOLUTION

ABOUT apollo

Apollo Techno Group has a strong and broad footprint into manufacturing of road construction equipment. The group is built on a strong foundation of customers value creation with over four decades of responsible business practices. Moving towards diversification by indulging into manufacturing to underground construction equipment - Horizontal Directional Drilling Rigs. And today we, at **Apollo Techno Industries Private Limited**, are pioneering in the Horizontal Directional Drilling Rigs as India's First manufacturer.

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, rotary drilling rigs (pilling rigs), trenchers and downhole tooling, along with on-site services. The organization functioned on SAP ERP systems with modern methods of manufacturing process that manages and integrates availability of spares on time.

Apollo Techno is a growing global force in equipment, driven by innovative leadership and a strong focus on customer relationships. The company stands with a qualified and experienced team that is always ready to serve, committed to total customer satisfaction by providing quality products and after-sales support at the highest standards.





MANUFACTURING FACILITY

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 with over 34000 square meter spread area, our production units combine modern manufacturing practices with cutting edge technology. Each unit 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 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 Rigs, which has led to the rapid growth in global demand for our Rigs.



RSERIES RIGS

QUALITY, SERVICE, TRUST...REDEFINED

The R Series is equipped with advanced electrical systems and powerful hydraulics, which help deliver optimum performance in various soil conditions. The rig features a rod-loading system with a set of drill rods on board, reducing manpower requirements and increasing job efficiency.

For error-free operation, the R Series also includes selectable rotation speeds to adapt to varied ground conditions. Two joysticks are integrated into the ergonomically designed operator station for precise control.

The R Series uses sealed and lubricated track rollers, carrier rollers, and idlers, providing excellent service life and helping to keep the rig operational for longer periods in the field. Additional features like auto-drill and half-rotation enhance ease of use, flexibility, and performance in challenging ground conditions.



APOLLO TECHNO INTERNATIONAL FZCO

We have a large parts center in the UAE to provide our customers with the best service globally. Apollo factory-certified field technicians bring extensive hands-on equipment experience to train your crew directly at the project site.

Aftermarket parts sales are efficiently dispatched to minimize project delays and ensure that your equipment is ready for optimal performance in its next challenge.

TECHNICAL TEAM *WE'RE THERE WHEN YOU NEED US!*

Our service team is highly motivated, well-trained, and experienced in the HDD industry. We proactively understand your needs, provide honest updates, share expertise with the onsite service team, and ensure your rig remains productive.

SPARE PARTS SUPPORT *WE SUPPORT 24/7*

A key part of our promise to you is specifying, sourcing, and stocking spare parts. You can be confident that all your rig parts and tools are available on short notice—whenever and wherever you need them.

TRAINING SUPPORT *EMPOWERING CUSTOMERS*

We specialize in delivering onsite training and mentoring your site crew in drilling and locating. Our training focuses on ensuring safety and maximizing productivity on site.



R Series

A100R

A powerful rig on small footprint



A200R

A compact rig with Dynamic Performance

A600R

Built to counter tough jobs



R Series
GEN II

A800 R
GEN II

Powerful, Reliable,
Rugged and Smallest
Footprint in its class



A1000 R
GEN II

Impressive size
with increased power

A1200 R
GEN II

A Large Size Rig for
Bigger Job-site



A2000 R
GEN II

A Large Size Rig for
Bigger Job-site

A3000 R
GEN II

Designed for Larger-Scale
Horizontal Drilling Jobs



R Series Technical Specifications

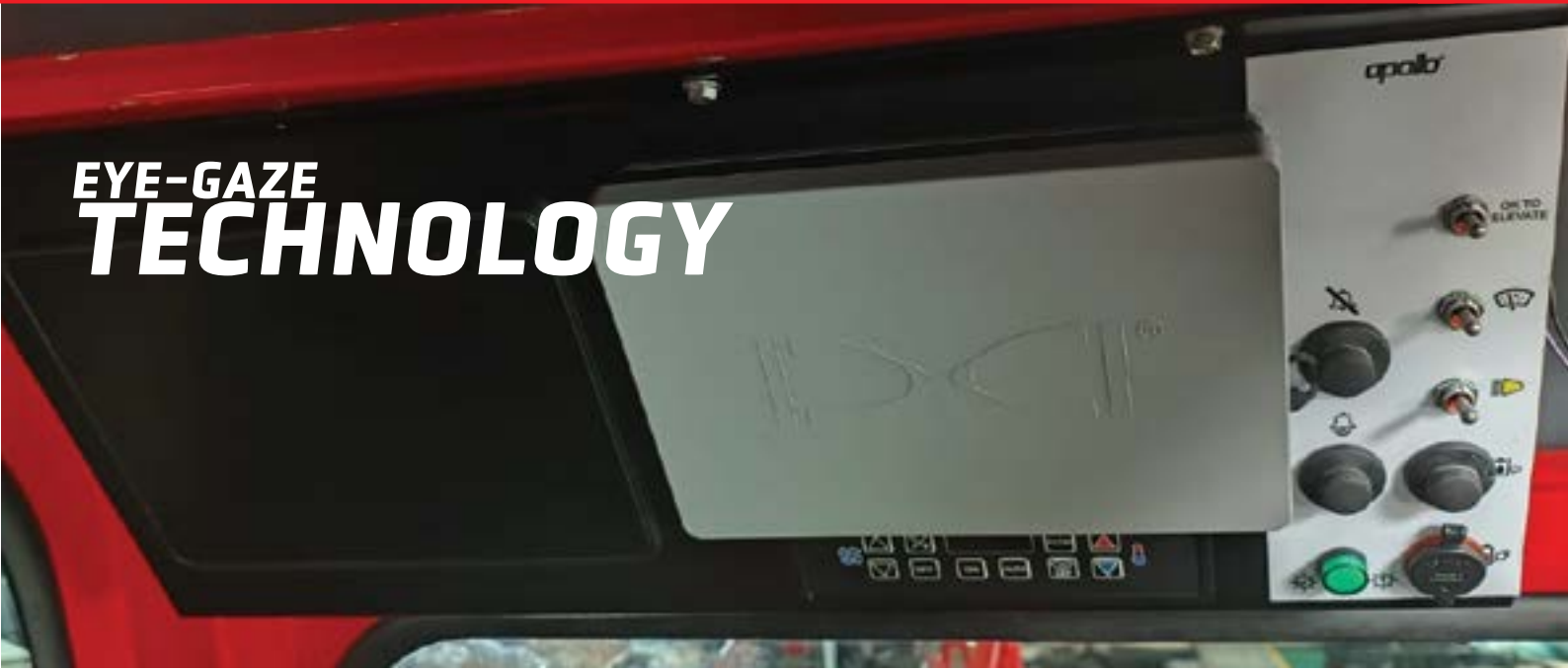
MODELS	A100R	A200R	A600R
DIMENSIONS & WEIGHTS			
Length	4050 mm	5250 mm	6080 mm
Width	1575 mm	1575 mm	2160 mm
Height	2020 mm	2020 mm	2210 mm
Weight (without drill pipe)	4,340 kg	4,940 kg	15,366 lbs (6,970 kg)
Weight (with drill pipe)	4,576 kg	5,598 kg	19,114 lbs (8,670 kg)
ENGINE			
Make & Model	Ashok Leyland ALUW04D		Ashok Leyland H4CTINES24/1
Fuel Type	Diesel		
Maximum Engine Speed	2200 RPM		2400 rpm
Number of Cylinders	4 Cylinders with Turbo Charger		
Horse-Power Rating	76 hp (56 kW)		130 HP (97 KW)
Maximum torque	230 Nm @ 1800RPM		460 Nm @ 1700 RPM
Cooling Method	Liquid		
DRILL PIPE			
Working Length	1829 mm (1.8m)	3048 mm (3 m)	3048 mm (3 m)
Weight (Each Pipe)	12 kg	23 kg	34 kg
Rod Box Capacity	28 Rods	36 Rods	50 Rods
Outer Diameter of Joints	48 mm	54 mm	66.7 mm
Outer Diameter of Tube	42 mm	48 mm	60.3 mm
MUD PUMP			
Flow	26 GPM		53 GPM
Pressure	1000 psi		
TECHNICAL PARAMETER			
Maximum Spindle Speed	216 rpm		258 rpm
Maximum Spindle Torque	3800 Nm	4900 Nm	6000 Nm
Thrust Force	5000 kg	9850 kg	16080 kg
Pull-back Force	5000 kg	9850 kg	16080 kg
FEATURES			
Electrical System	12 V		
Drilling Lights	YES		
Auto-Anchoring System	YES		
Crane	—		
Hydraulic Enable	YES		
Rack-Pinion System	YES		
Auto Rod-Loader System	—		YES
Operators' Cabin (Optional)	—		
Drive SystemR	Rubberized Steel Track		
HYDRAULIC SYSTEMS			
Auxiliary Pump Relief Pressure	3000 psi		
Thrust/Pull-Back Pump Relief Pressure	3350 psi		6000 psi
Rotational Pump Relief Pressure	3750 psi		6000 psi
FLUID CAPACITIES			
Engine Oil Capacity	10 litre		12 litre
Diesel Tank Capacity	120 litre		130 litre
Hydraulic Oil Tank Capacity	182 litre		210 litre

R Series GEN II Technical Specifications

MODELS	A800R GEN II	A1000R GEN II	A1200R GEN II	A1500R GEN II	A2000R GEN II	A3000R GEN II
DIMENSIONS & WEIGHTS						
Length	5880 mm	9930 mm	10720 mm	11510 mm	12930 mm	16930 mm
Width	2370 mm	2440 mm	2600 mm	2650 mm	2600 mm	2800 mm
Height	2340 mm	2650 mm	3670 mm	3275 mm	4015 mm	4015 mm
Weight (without drill pipe)	9,508 kg	19,230 kg	22,850 kg	24,540 kg	33250 kg	36250 kg
Weight (with drill pipe)	11,208 kg	20,406 kg	24,650 kg	26,690 kg	—	
ENGINE						
Make & Model	Ashok Leyland H6ETIC3RS23/1	CAT® C7.1			CAT® C9.3	
Fuel Type	Diesel					
Maximum Engine Speed	2300 RPM	2200 RPM			2000 rpm	
Number of Cylinders	6 Cylinders with Turbo Charger					
Horse-Power Rating	160 hp (119 kW)	225 hp (168 kW)	275 hp (205 kW)	285 hp (212 kW)	402 hp (300 kW)	442 hp (330 kW)
Maximum torque	589 Nm @ 1800 RPM	900 Nm @ 1400 RPM	1050 Nm @ 1400 RPM	1350 Nm @ 1400 RPM	1794 Nm @ 1400 rpm	
Cooling Method	Liquid					
DRILL PIPE						
Working Length	3048 mm (3 m)	4572 mm (4.5 m)	6096 mm (6 m)	6000 mm (6 m)	6000 mm (6 m)	9600 mm (9.6 m)
Weight (Each Pipe)	36 kg	98 kg	150 kg	180 kg	200 kg	350 kg
Rod Box Capacity	50 Rods	12 Pipes			—	
Outer Diameter of Joints	66.7 mm	103 mm	111 mm	127 mm	158 mm	190 mm
Outer Diameter of Tube	60.3 mm	89 mm		114 mm	114 mm	139 mm
MUD PUMP						
Flow	80 GPM	200 GPM			200 GPM On-board*	500 GPM Optional*
Pressure	1000 psi	800 psi		1000 psi	1000 psi	—
TECHNICAL PARAMETER						
Maximum Spindle Speed	234 RPM	114 rpm	98 rpm	94 rpm	86 rpm	66 rpm
Maximum Spindle Torque	6500 Nm	19798 Nm	30200 Nm	36300 Nm	39477 Nm	77012 Nm
Thrust Force	20074 kg	50400 kg	64800 kg	95100 kg	120300 kg	160300 kg
Push/Pull Force	20074 kg	50400 kg	64800 kg	95100 kg	120300 kg	160300 kg
FEATURES						
Electrical System	24 V					
Drilling Lights	YES					
Auto-Anchoring System	Yes (Optional)	—				
Crane	—		YES (OPTIONAL)			
Hydraulic Enable	YES					
Rack-Pinion System	YES					
Auto Rod-Loader System	YES				—	
Operators' Cabin (Optional)	—	YES			Oscillating cabin	Separate Cabin
Drive System	Rubberized Steel Track	Steel Track				
HYDRAULIC SYSTEMS						
Auxiliary Pump Relief Pressure	3000 psi					
Thrust/Pull-Back Pump Relief Pressure	6000 psi					
Rotational Pump Relief Pressure	6000 psi					
FLUID CAPACITIES						
Engine Oil Capacity	19 litre	20 litre	25 litre	32 litre	32 litre	32 litre
Diesel Tank Capacity	168 litre	242 litre	250 litre	250 litre	345 litre	373 litre
Hydraulic Oil Tank Capacity	239 litre	390 litre	440 litre	440 litre	475 litre	545 litre

WHAT'S NEW IN GEN II

EYE-GAZE TECHNOLOGY



INTERACTIVE DISPLAY



ERGONOMIC CABIN



INTERNATIONAL SUPPORT

Since 2018, our industry-leading Rig has enabled contractors in UAE, Oman, KSA, Russia to productively and cost-effectively install water, wastewater, and other infrastructure. We've been here with strong commitment to the industry and we continue to pave the road of innovation with our superior trenchless rigs along with its ancillary products.

We back our equipment systems with a powerhouse of skilled sales, engineering, and technical professionals dedicated to superior reliability and responsive service across the globe. Our business operates with the highest level of integrity, and our employees have a personal investment in our customers' success.



apollo

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