



GEOMECH AFRICA
Proudly **GEO GROUP**



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FACT SHEET

**Hanjin
6000SCD**

**GEOTECHNICAL
AND EXPLORATION
DRILLING**



LEVEL 1 - B-BBEE

www.geogroup.co.za

About The Hanjin 6000SCD

1. Drill up to 500 m with 10,16 cm and up to 45,72 cm for waterwell & micro pile.
2. Vertical, angle drill rig.
3. Available for down the hole, rotary drilling.
4. Mast is strong and more stable for rotary drilling.
5. All instruments & control levers are concentrated for ease of use for the driller.
6. Reduce the cost of drilling accessories, wear and tear.
7. Easier loading and off-loading on the truck as the rig has self-loading capabilities.
8. Save the setting time for starting work.
9. Vertical, incline and horizontal boring are available as an option.
10. Lower working and maintenance expenses.
11. Easy to repair the machine due to its full hydraulic system.



CAPACITIES

Drill Rod	PQ	HQ	NQ	BQ
Meters	504	755	1267	1600

HANJIN 6000SCD

Technical Specifications

Dimensions			GENERAL 3 PUMP OPEN LOOP SYSTEM	Pump Model	K3V140 x 2+35 (HP Constant)
OA LENGTH TRANSPORT	8,3 m			Cooling System	Air cooling
OA WIDTH	2,2 m			Opp. Pressure	280 bar
OA HEIGHT - TRANSPORT	2.5 m			Light and Electrical System	
OA HEIGHT - MAST UP	7,5 m		MAST	2-60 watt floodlights	
WEIGHT - LESS DRILL PIPE	8,5 Ton		CONTROL PANEL	2-gauge floodlights	
Engine			WORK	2-60 watt floodlights	
MODEL	Doosan DL08		Control Panel		
RATED POWER	262 HP / 2000 rpm		All controls are grouped at the operator's station within sight of the borehole.		
FUEL CAPACITY	200 Litres		Hydraulic Outrigger Jacks		
COOLING SYSTEM	Water Cooling		Four hydraulic outrigger jacks are fitted to the outer corners of the rig for easy and accurate levelling of the rig.		
Top Head Rotation			Self Loading		
RPM	1st	0-120	GROUND CLEARANCE	1400 mm	
	2nd	0-60	WIDTH	3100 mm	
TORQUE	1st	400 kg/m	Drill Pipe		
	2nd	800 kg/m	MAX. LENGTH	4,5 m	
Feed Sytem			Hydraulic Clamp		
TRAVERSE CYLINDER	120 mm x 90 mm x 2750 mm		SINGLE CLAMP	280 mm	
HEAD TRAVEL	1st	5,5 m	Working Table		
DUMP MAST	2nd	Up: 1,5 m Down: 0,5 m	MAX. CASING DIAMETER	280 mm	
PULL UP CAPACITY	16 Ton		Drill Pipe Breakout		
PULL DOWN CAPACITY	8 Ton		TORQUE BREAK-OUT	4 Ton	
Top head driven by hydraulic cylinders throughout heavy duty chain			Crawler Base		
Gear Box Sliding			CRAWLER TYPE	Sola 055	
TRAVEL	350 mm		CRAWLER SPEED	2,5 km/h	
Option - Upper Frame Moving: It can be moved back and forth. Casing treatment and centering calibration are easy			GROUND PRESSURE	Sola 0,5 kg/cm ²	
Winch			3-WEB TRACK SHOES	400 mm	
SPOOL CAPACITY	22 m of 12 mm cable		GROUND CLEARANCE	400 mm	
LINE PULL	5 Ton		Jib		
Hydraulic System (Load Sensing)			80 degree Turn. 350 mm Extension		
GENERAL 3 PUMP OPEN LOOP SYSTEM	Tank Capacity	260 Litres			
	Filtration	10 Micron			



HANJIN 6000SCD



The GeoGroup

GeoGroup comprises of a group of companies, each a leader in its own field, providing a range of services to the geotechnical, civil, mining and energy industries.

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About Geomech Africa

Geomech Africa (Pty) Ltd is an industry leader in the geotechnical investigations in Southern Africa. Certified as a **Level 1 B-BBEE** contributor. Providing drilling and testing services to the minerals exploration market, as well as geotechnical and civil industries in and around Southern Africa and Africa.

Geomechanics has long-term policies of developing operational/maintenance staff and upgrading equipment, to ensure that geotechnical investigations conducted for our clients are accurate, timely, cost effective and easily interpreted.

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