



**GEOMECH AFRICA**  
Proudly **GEO GROUP**

# FACT SHEET

**Hanjin  
P7000**

**GEOTECHNICAL  
AND EXPLORATION  
DRILLING**





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## About The Hanjin P7000

1. Drill up to 1000m with 4" and up to 18" for Waterwell, Hot spring, Micro pile & Revers Circulation Drilling.
2. Dual Rotary System (Max. 14") can be mounted on this drill as option
3. Vertical, Angle Drilling available.
4. Available for Down The Hole, Rotary Drilling.
5. Mast is strong so mast is more stable at rotary drilling.(Tricorn Drilling)
6. All instrument & control levers are concentrated. So a Driller can operate this drill rig.
7. Reduce the cost of drilling accessories and wearing parts & fuel consumption.
8. Easy to make the Rig load and unload on truck as Self-loading by itself.
9. Save the setting time for starting work.
10. Vertical ,Angle drilling, Horizontal Boring are available as option.
11. High working efficiency.
12. Easy to repair the machine due to full Hyd.system.
13. Truck mounted type is available.
14. Rod handler system-option



### CAPACITIES

Drill Rod	PQ	HQ	NQ	BQ
Meters	944	1415	2000	1500

# HANJIN P7000

## Technical Specifications

Dimensions			GENERAL 3 PUMP OPEN LOOP SYSTEM	Pump Model	K3V140 x 2+35 (HP Constant)
OA LENGTH TRANSPORT	10 m			Cooling System	Air cooling
OA WIDTH	2,2 m			Opp. Pressure	280 bar
OA HEIGHT - TRANSPORT	2.6 m				
OA HEIGHT - MAST UP	10,5 m				
WEIGHT - LESS DRILL PIPE	8,5 Ton				
Engine			Light and Electrical System		
MODEL	Doosan DL08		MAST	2-60 watt floodlights	
RATED POWER	262 HP / 2000 rpm		CONTROL PANEL	2-gauge floodlights	
FUEL CAPACITY	300 Litres		WORK	2-60 watt floodlights	
COOLING SYSTEM	Water Cooling		Control Panel		
Top Head Rotation			All controls are grouped at the operator's station within sight of the borehole.		
RPM	1st	0-120	Hydraulic Outrigger Jacks		
	2nd	0-60	Four hydraulic outrigger jacks are fitted to the outer corners of the rig for easy and accurate levelling of the rig.		
TORQUE	1st	450 kg/m	Self Loading		
	2nd	900 kg/m	GROUND CLEARANCE	1400 mm	
Feed Sytem			WIDTH	3100 mm	
TRAVERSE CYLINDER	160 mm x 100 mm x 3500 mm		Drill Pipe		
HEAD TRAVEL	1st	7 m	MAX. LENGTH	6 m	
DUMP MAST	2nd	Up: 1,5 m Down: 0,5 m	Hydraulic Clamp		
PULL UP CAPACITY	30 Ton		SINGLE CLAMP	355 mm	
PULL DOWN CAPACITY	18 Ton		Working Table		
Top head driven by hydraulic cylinders throughout heavy duty chain			MAX. CASING DIAMETER	355 mm	
Gear Box Sliding			Drill Pipe Breakout		
TRAVEL	500 mm		TORQUE BREAK-OUT	4 Ton	
Option - Upper Frame Moving: It can be moved back and forth. Casing treatment and centering calibration are easy			Crawler Base		
Winch			CRAWLER TYPE	Sola 055	
SPOOL CAPACITY	30 m of 14 mm cable		CRAWLER SPEED	2,5 km/h	
LINE PULL	15 Ton		GROUND PRESSURE	Sola 0,5 kg/cm²	
Hydraulic System (Load Sensing)			3-WEB TRACK SHOES	400 mm	
GENERAL 3 PUMP OPEN LOOP SYSTEM	Tank Capacity	260 Litres	GROUND CLEARANCE	400 mm	
	Filtration	10 Micron	Jib		
			80 degree Turn. 350 mm Extension		

## 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.



GeoGroup Head Office

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## 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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