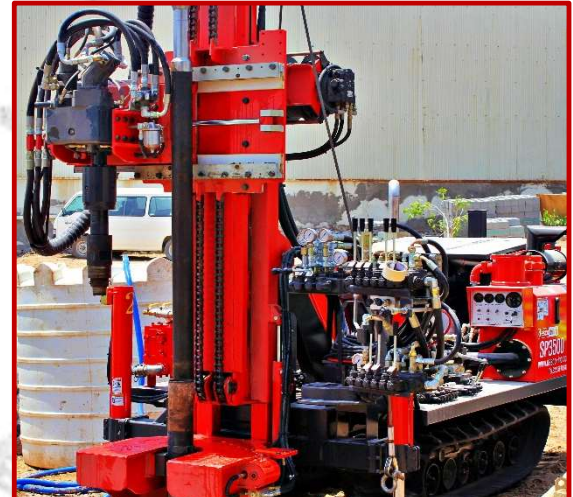


SP3500



WATER WELL & GEOTHERMAL DRILLING RIG

SP3500



SP3500

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WATER WELL & GEOTHERMAL DRILLING RIGS

TECHNICAL SPECIFICATIONS

		SP3500	SP4500	SP5500	SP6500	SP7000	SP7500	SP8500	SP9500
DIMENSIONS									
Length	M	5.9	7.6	8.6	11.6	11.6	11.6	12.5	15.5
Width	M	1.8	1.9	2.2	2.2	2.3	2.3	2.3	2.8
Height	M	2.4	2.5	2.5	2.7	2.9	2.9	3.2	3.8
Weight	Ton	6.0	9.5	12.5	15.5	16.5	17.5	22.0	35.0
ENGINE									
		Hyundai / Doosan Engine							
Power rating at 1800rpm	hp	100	100	170	170	270	270	400	540
Fuel capacity	L	120	120	200	300	300	300	400	500
TOP DRIVE									
		Two hydraulic motors or Four hydraulic motors							
Rotation RPM (1 st / 2 nd)	rpm	0~80 / 0~130						0~70 / 0~110	
Rotation Torque (1 st & 2 nd)	kg.M	400	500	650	800	1000	1000	1500	3000
FEED SYSTEM									
		Variable Speed Hydraulic Cylinder							
Travel Length	M	3.8	4	4.5	7	7.5	7.5	7.5	10.5
Pull-back Force	Ton	9	11	13	16	25	30	44	60
Pull-down Force	Ton	4	5	6	7	12	12	20	25
Feed Rate (Variable)	M/min	30 ~ 45							
HYDRAULIC SYSTEM									
		3 or 4 pumps open loop system							
Model		K3V63DP, K3V112DP, K3V140DP, K3V180DP, K3V200DP, K3V250DP, HSF30D							
Flow Rate 1 st & 2 nd	LPM	95 / 95		168 / 168		210 / 210		300 / 300	
Flow Rate 3 rd & 4 th	LPM	60		45 / 45		120		95 / 95	
Operating Pressure	Bar	280							
Hyd. Oil Tank	L	120	150	300	300	300	300	400	500
WORKING TABLE & CLAMP									
Diameter	Inch	8	8	10	14	16	18	20	24
Drill Pipe Breakout		6ton							
DRILL ROD & CASING									
	M	3.0	3.0	3.0	6.0	6.0	6.0	6.0	9.0
TRAMMING									
		LG4500	Solar55			Solar75		Solar130	Solar220
Tramming Speed	km/h	2.5 ~ 4.0							
Gradeability		25°							
Track Shoes Width	mm	450	400	400	400	450	450	500	600
WINCH									
	Ton	2.5	3.5	5.0	5.0	10.0	10.0	15.0	20.0
ELECTRICAL SYSTEM									
		24V							
Lights		Working table, Mast & Control panel							
CONTROL PANEL									
Panel Rotation		All control gauges are grouped at the operator's station within sight of the borehole							
		15°							
HYD. JACKS & RIGGERS									
		Four jacks & riggers / Self-loading system							
MUD PUMP									
		Hyd. cylinder operated duplex & double acting							
Model		DSMP300, DSMP600, DSMP800 & DSMP1000							
Capacity	LPM	150	200	300	500	600	600	1000	1200
OPTIONAL LIST									
Rod Handler (Max.)		Dia. 73mm ~ 120mm							
RiHS (Rod rack & handler)		Rod Rack Integrated Handling System							
Mud Pump		500LPM, 600LPM, 800LPM, 1000LPM							
Line Oiler		Driven by Hyd. cylinder / 100cc per swift							
Genset		23kW / 100V~220V							
Inverter		7.0kW / 100V~220V							
Remote Control for Tramming		Hetronics							
Preheating System		For engine & hydraulic system							
Safety Cage									
Auxiliary Hydraulic Ports		50LPM ~ 200LPM @ 180 ~ 210BAR							

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