

# SP4500SA-RC

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**EXPLORATION / CORE DRILLING**

# SP4500SA-RC



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# EXPLORATION / RC MULTI-PURPOSE DRILLING

## TECHNICAL SPECIFICATIONS

		SP4500SA-RC	SP5500SA-RC	SP6500SA-RC	SP7000SA-RC	SP7500SA-RC	SP8500SA-RC	
<b>DIMENSIONS</b>								
Length	M	7.8	8.6	11.6	11.6	11.6	12.5	
Width	M	1.9	2.2	2.2	2.3	2.3	2.3	
Height	M	2.5	2.6	2.7	2.9	2.9	3.2	
Weight	Ton	10.5	14.0	16.5	17.0	18.0	23.0	
<b>ENGINE</b>								
		Hyundai / Doosan Engine						
Power rating at 1800rpm	hp	100	170	170	270	270	400	
Fuel capacity	L	120	200	300	300	300	400	
<b>TOP DRIVE</b>								
		Two hydraulic motors or Four hydraulic motors						
Rotation RPM (1 <sup>st</sup> / 2 <sup>nd</sup> )	rpm	0~120 / 0~1200					0~110 / 0~1000	
Rotation Torque (1 <sup>st</sup> & 2 <sup>nd</sup> )	kg.M	84 / 250	94 / 300	105 / 400	140 / 500	190 / 500	225 / 750	
<b>FEED SYSTEM</b>								
		Variable Speed Hydraulic Cylinder						
Travel Length	M	4	4.5	7	7.5	7.5	7.5	
Pull-back Force	Ton	11	13	16	25	30	44	
Pull-down Force	Ton	5	6	7	12	12	20	
Feed Rate (Variable)	M/min	30 ~ 45						
<b>HYDRAULIC SYSTEM</b>								
		3 or 4 pumps open loop system						
Model		K3V63DP, K3V112DP, K3V140DP, K3V180DP, K3V200DP, K3V250DP, HSF30D						
Flow Rate 1 <sup>st</sup> & 2 <sup>nd</sup>	LPM	95 / 95	168 / 168	210 / 210			300 / 300	
Flow Rate 3 <sup>rd</sup> & 4 <sup>th</sup>	LPM	60	45 / 45	120	95 / 95	168 / 168		
Operating Pressure	Bar	280						
Hyd. Oil Tank	L	150	300	300	300	300	400	
<b>WORKING TABLE &amp; CLAMP</b>								
Diameter	Inch	8	10	10	10	10	10	
Drill Pipe Breakout		6ton						
<b>DRILL ROD &amp; CASING</b>								
	M	3.0	3.0	6.0	6.0	6.0	6.0	
<b>TRAMMING</b>								
		Solar55			Solar75		Solar130	
Tramming Speed	km/h	2.5 ~ 4.0						
Gradeability		25°						
Track Shoes Width	mm	400	400	400	450	450	500	
<b>WINCH</b>								
	Ton	3.5	5.0	5.0	10.0	10.0	15.0	
<b>WIRELINE</b>								
	M	500	1000	1000	1800	1800	2500	
<b>ELECTRICAL SYSTEM</b>								
		24V						
Lights		Working table, Mast & Control panel						
<b>CONTROL PANEL</b>								
		All control gauges are grouped at the operator's station within sight of the borehole						
Panel Rotation		15°						
<b>HYD. JACKS &amp; RIGGERS</b>								
		Four jacks & riggers / Self-loading system						
<b>MUD PUMP</b>								
		Triplex piston pump / Hyd. cylinder operated duplex & double acting						
Model		FMC, AW1122BCD, DSMP300, DSMP600						
Capacity	LPM	200	300	300	300	300	300	
<b>OPTIONAL LIST</b>								
Rod Handler (Max.)		Dia. 73mm ~ 120mm						
RiHS (Rod rack & handler)		Rod Rack Integrated Handling System						
Mud Pump		FMC, AW1122BCD, DSMP300, DSMP600						
Cyclone Device								
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								

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