



SP4500SA-RC

Multi-purpose Drilling Equipment



SP4500SA-RC (Desco's smallest model)

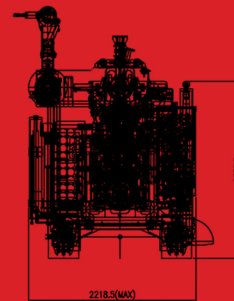
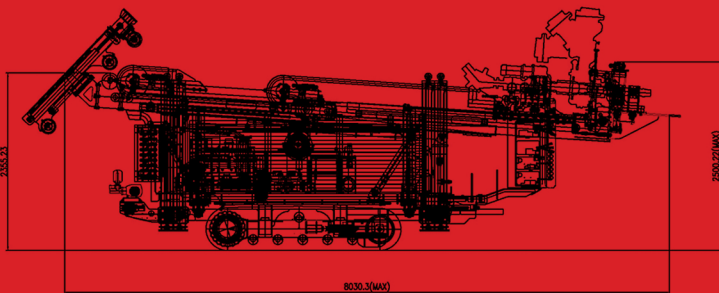
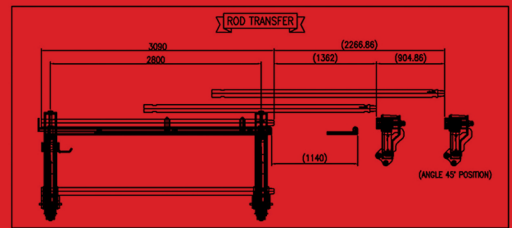
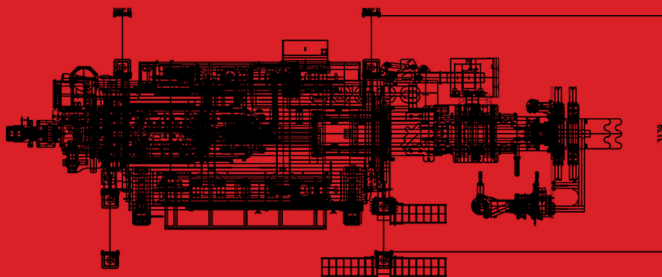
As one of the most compact RC rigs drills upto RC 4" -200M, NQ-500M depth for exploration drilling (RC & Diamond), SP4500SA-RC surface coring drill is an advanced addition to the SP-SA-RC series featuring a telescopic and dump mast. SP4500SA-RC is capable multi-purpose of both reverse circulation & diamond coring as well as DTH, rotary drilling methods with pullback capacity of 10 ton and a torque can be increased.

SP4500SA-RC can also include an advanced rod management system that ensures safe and efficient operation.

The reverse circulation (RC) drilling method utilizes to collect rock samples quickly and efficiently.

The high drilling speed and low cost of RC drilling makes it an ideal method for exploration project.

- * SP4500SA-RC for exploration RC & diamond drilling
- * Design for drilling up to RC - 200M & NQ - 500M
- * Multi-purpose (reverse circulation & diamond drilling methods)
- * Wireline system
- * Percussion & rotary drilling methods (Additional)
- * Vertical, Angle Drilling (45 degree - 90 degree) capability
- * Foot clamping system
- * All instrument & control levers are concentrated.
- * Mounted full package on drill rig
- * Self-loading system
- * Installed major hyd. Parts so easy to find spare parts in the market
- * Options - RiHS, auto rod changer, pre-heating system, wireless remote control and so on



The design & dimension can be changed as drill rig's specification

If you want the kind of drill rigs,
DESCO INC. is at your solution and service.



desco drill rig

TECHNICAL SPECIFICATION

RC head rotation

Rotation torque
Rotation speed
Rotation speed & torque can be controlled

Two speed motors

250kg.M (low) / 80kg.M (high)
0~100 rpm (low) / 0~1200 (high)

Feed System

Feed system type	Variable Speed Hydraulic Cylinder
Feed hydraulic cylinder	100mm-70mm-2000mm
Feed stroke	4.0M
Pull-back force	10ton
Down force	5ton

Dimension & Weight

Net weight	10.5ton
Width	2.2M
Length (mast folded / unfolded)	8.0M
Height (mast folded / unfolded)	2.5M

Engine

Engine model	Doosan PU066
Engine power	100HP@1800rpm
Cooling system	Water
Fuel tank	140 Liters
Electrical system	24V DC

Hydraulic system

General	Single variable displacement pump, pressure & flow controlled
Pump model	K3V63DP+40 (3 pumps)
System hyd. oil flow	250LPM
Hydraulic tank	150 Liters
Operating pressure	280 Bar

Working table & hyd. clmap

Foot clamping system	
Max. diameter	8"
Double clamp	8"

Outrigger (Self-loading system)

Four hyd. Jacks & outriggers - Front jacks & outriggers	
Ground clearance	1430mm
Width	3000mm

Crawler base

Doosan model (Steel)

Main hoist

Main Hoist	Variable speed planetary c/w brake
Linepull capacity	3 ton
Spool capacity	12mm · 20M
Wire line	Drum for 500M · Dia 5mm (500kg)

Mud pump

Hydraulic cylinder operated duplex piston pump	
Capacity	150LPM
Max. pressure	40bar

Cutting cyclone device

Discharge hose	Sample cyclone unit ID 3" - 10M long flexible hose
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STANDARD / OPTIONAL

	STANDARD	OPTIONAL	OPTIONAL REQUEST
Drill head			
RC Drill head	DSDH-900FF		
Drill head - sliding	0		
Feed system			
Mast slide (dump up and down)	0		
Bolted mast foot	0		
Control panel	0		
Hydraulic system			
Auxiliary hydraulic ports		0	
Hydraulic breakout table			
Max. diameter	max. 8"	over 8"	
Single clamp		0	
Double clamp	0		
Crawler base			
Steel track	0		
Steel track with rubber pad		0	
Main hoist			
Main winch	max. 3ton	over 3ton	
Jib with winch		0	
Wireline	0		
Mud pump			
Capacity	150LPM		
Design for angle drilling	0		
Foot clamping system	0		
Cutting cyclone device		0	
Water injection pump		0	
Triplex mud pump		0	
DTH oil lubricator		0	
RiHS (Rod rack integrated Handling System)		0	
Auto rod changer		0	
Preheating system		0	
Wireless remote travel		0	

Notice As your optional list, engine, hyd. system, crawler and so on can be changed and design of drill rigs can be changed.

Specifications are general and subject to change without notice. Due to selected options, delivered equipment may not necessarily match that shown.

