

desco drill rig

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SP5500

Geothermal & waterwell Drilling



SP5500 (Most simple & compact)

As one of the most compact drills upto 300M depth for waterwell & geothermal, the SP5500 delivers super power in a compact package.

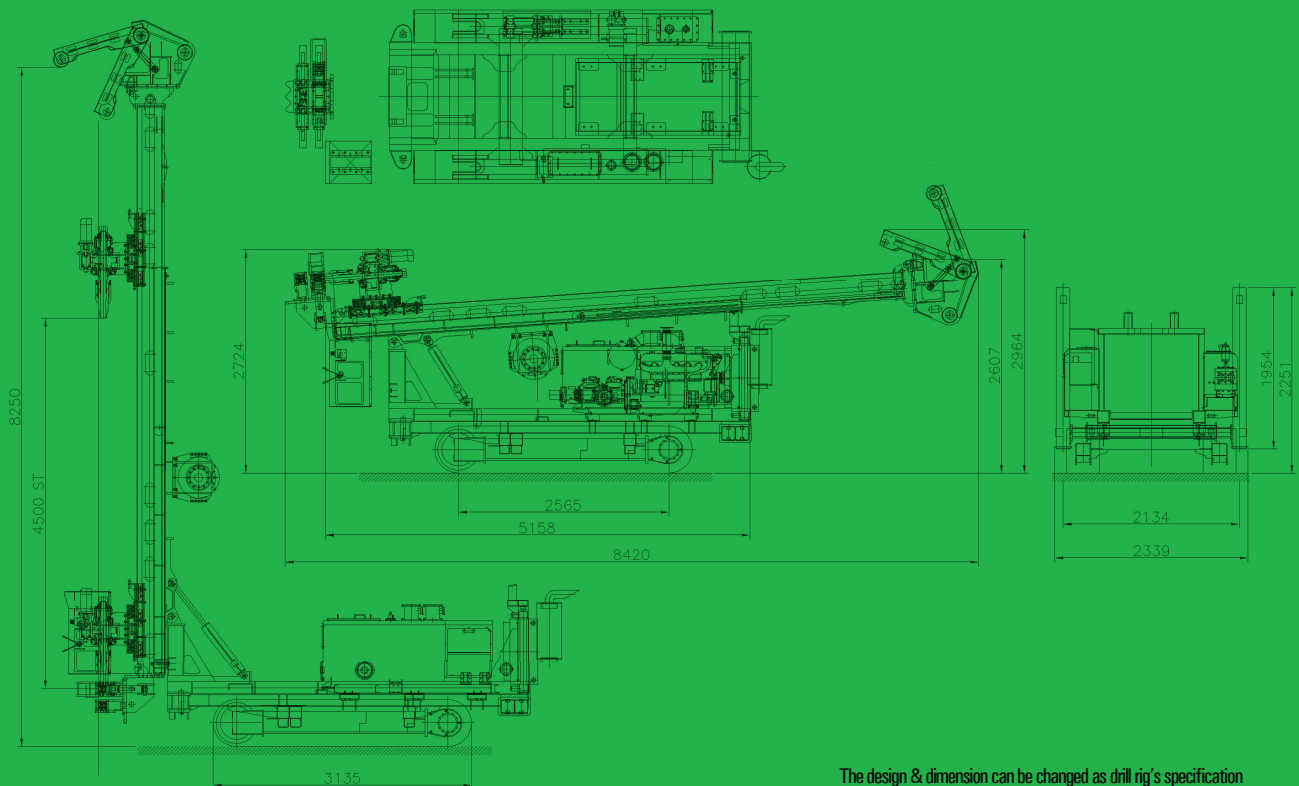
Compactable size enables drillers to easily operate & manage in working place

SP5500 features a pullback capacity of 12 ton and a torque can be increased

SP5500 can also include a advanced rod management system that ensures safe and efficient operation

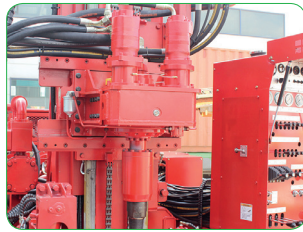
A radio remote safely positions the driller away from the rig during traveling

- * SP5500 for waterwell & geothermal drilling
- * Design for drilling up to 400M with dia. 6" and up to dia. 10"
- * Percussion drilling methods
- * Rotary drilling methods
- * All instrument & control levers are concentrated.
- * Mounted full package on drill rig
- * Self-loading system
- * Easy to repair the machine by yourself due to full Hyd. system
- * Installed major hyd. Parts so easy to find spare parts in the market
- * Options - inverter, auto rod changer, pre-heating system, wireless remote control, rod rack 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.



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TECHNICAL SPECIFICATION

Top head rotation

Rotation torque
Rotation speed
Rotation speed & torque can be controlled

Two speed motors

600kg.M (low) / 300kg.M (high)
0 ~ 60 rpm (low) / 0 ~ 120 (high)

Feed System

Feed system type
Feed hydraulic cylinder
Feed stroke
Pull-back force
Down force

Variable Speed Hydraulic Cylinder
110mm*70mm*2750mm
5.5M (Drill Pipe - Max. 4.5M)
12ton
6ton

Dimension & Weight

Net weight
Width
Length (mast folded / unfolded)
Height (mast folded / unfolded)

7.5ton
2.2M
8.5M
2.5M

Engine

Engine model
Engine power
Cooling system
Fuel tank
Electrical system

Hyundai D6BR
130HP@1800rpm
Water
200 Liters
24V DC

Hydraulic system

General
Pump model
System hyd. oil flow
Hydraulic tank
Operating pressure

Single variable displacement pump, pressure & flow controlled
K3V80*2 +45 (3 pumps)
300LPM
300 Liters
280 Bar

Working table & hyd. clamp

Max. diameter
Hyd clamp

12"
12"

Outrigger (Self-loading system)

Four hyd. Jacks & outriggers - Front jacks & outriggers (swivel)
Ground clearance
Width

1430mm
3000mm

Crawler base

Doosan model (Steel)

Main hoist

Hoist type
Linepull capacity
Spool capacity

Variable speed planetary c/w brake
5ton
12mm * 25M

Mud pump

Hydraulic cylinder operated duplex piston pump
Capacity
Max. pressure

300 LPM
40 bar

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STANDARD / OPTIONAL

	STANDARD	OPTIONAL	OPTIONAL REQUEST
Drill head			
Drill head	DSDH-850	DSDH-900	
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. 12"	over 12"	
Single clamp	0		
Double clamp		0	
Crawler base			
Steel track	0		
Steel track with rubber pad		0	
Main hoist			
Main winch	max. 5ton	over 5ton	
Sub winch		0	
Mud pump			
Capacity	300LPM	500LPM	
Water injection pump		0	
Inverter (5.5kw / 100V ~ 220V)		0	
DTH oil lubricator		0	
Auto rod changer		0	
Preheating system		0	
Wireless remote travel		0	
Safety cage		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.

