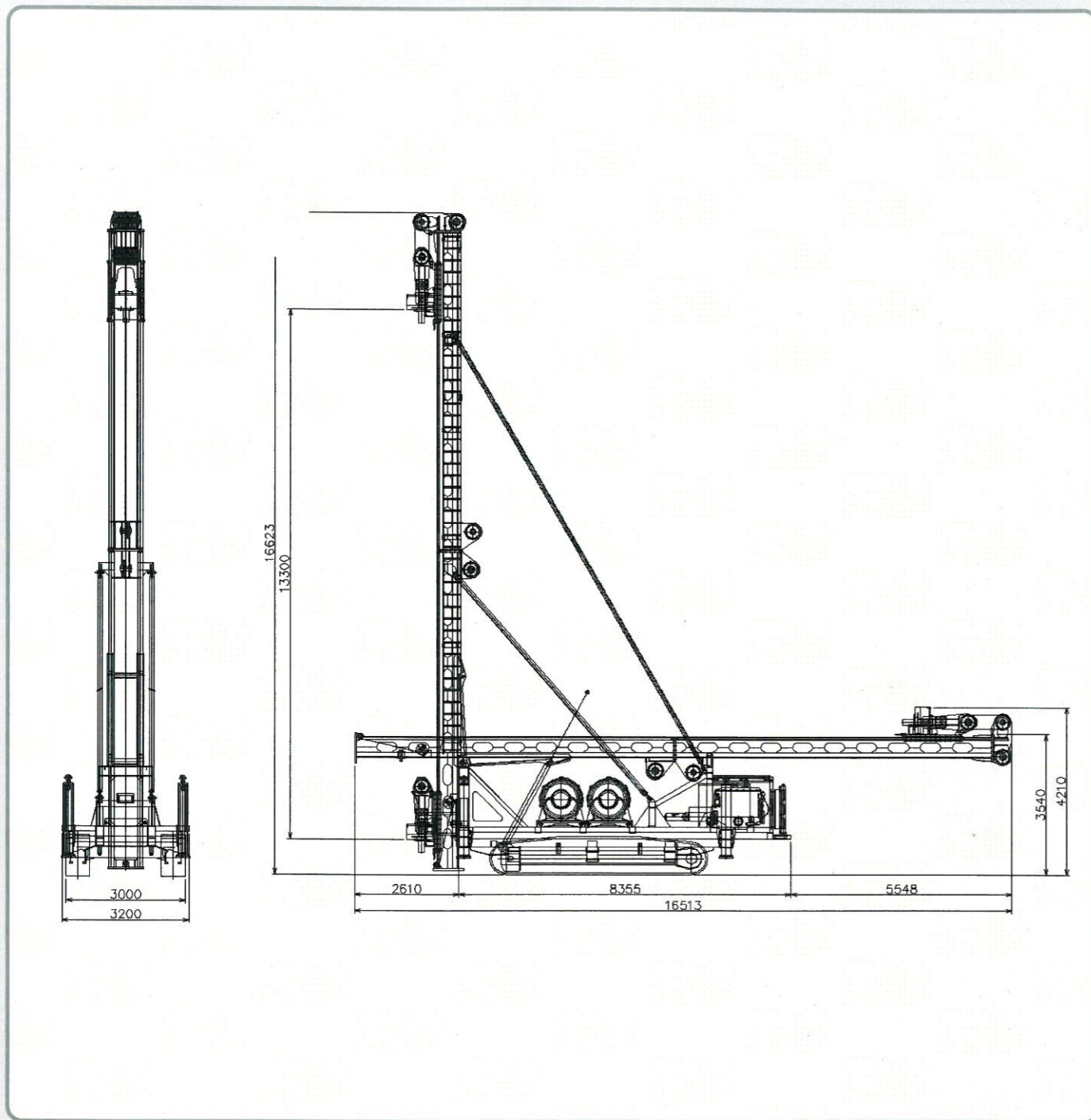


# D&B-250 Series

## Dimensions



# Deep Hole Drilling Rig D&B-250 Series

- Pull-up Capacity 250ton
- Deep waterwell drilling : 5000m
- Deep geothermal drilling
- Full Automatic Drill Pipe Handling System/  
Hands off Technology  
(Patent)



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## D&B-250 Series Key Components

Engine(530HP)



Main Mast



Top head rotation



Winch(250ton)



## D&B-250 Series Site Story

- Korea, Gwangju City
- Geothermal Deep hole drilling(8")



## Technical Data

### D&B-250 Series

#### DIMENSIONS & WEIGHT

OA length-transport	M	16.5
OA width	M	3.2
OA height-transport	M	4.2
OA height-mast up	M	16.6
Weight-less drill pipe		

#### ENGINE

Model(Diesel engine)		Hyundai D6CC
Cylinder		6 cylinder diesel engine
Rated power	HP/rpm	530/1800
Fuel tank capacity	ℓ	820
Cooling system		water cooling

#### TOP HEAD ROTATION

The gearhead is mounted outside the mast rails to ease drill pipe and casing handling.

Reduction		Spur gear - 5.62 to 1
Performance		two motor(Std)
Max . RPM	rpm	1st 0~120 / 2nd 0~60
Max . Torque	kg-m	1st 1,500 / 2nd 3,000

#### FEED SYSTEM

Using the winch motor, wire rope type.

Head travel	m	13.3
Pull-up capacity	ton	250(winch used)
Pull-down capacity		Self-weight

#### WINCH

Planetary with spring applied hydraulic release break, with cable.

Spool capacity	M/mm	150 of 24 cable
Line pull	ton	250

#### HYDRAULIC SYSTEM

General		5 pump open loop system
Tank capacity	ℓ	350
Filtration	micron	10
Pump model		H3V250x2+H3V112x2+10(HP constant)
Cooling system		Air cooling
Operating pressure	bar	280

#### LIGHT & ELECTRICAL SYSTEM 24V

- One - on top of control facing up mast
- Two - on top of of mast facing down.
  - one: to work table area
  - one: bac to drill deck
- One - in control console for night operation

#### CONTROL PANEL - 45' Turn

All controls gauges are grouped at the operator's station within sight of the borehole.  
- OP Panel Up /Down : 300mm

#### DRILL PIPE & CASING

Drill pipe length	m	9
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#### WORKING TABLE

Max. casing diameter	inch	15
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#### HYDRAULIC CLAMP

Single clamp	inch	15
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#### CRAWLER BASE

Crawler type		solar 200LC
Crawler speed	km/h	2.5
Ground pressure	kg/cm <sup>2</sup>	0.65
3-web track shose	mm	600
Ground clearance	mm	600

#### OPTION

1. FOOT CLAMP
2. ROD HANDLER
  - on working plate
  - Hydraulic turn system

#### DRILLING PERFORMANCE

Tricon Drilling	M	~5,000
DTH Drilling	M	~5,000