

# D&B-40D SPECIFICATIONS

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## DIMENSIONS & WEIGHT

OA length-transport	10.0m
OA width	2.4m
OA height-transport	2.6m
OA height-mast up	10.5m
Weight-less drill pipe	19.5ton

## ENGINE

Model	Doosan P086T1 6 cylinder diesel engine
Rated power	303HP/1800rpm
Fuel capacity	200ℓ
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 - 4.35 to 1
Performance	two motor(Std)
Max . RPM	1st 1100rpm ~700rpm
	2nd 636rpm ~450rpm
	3rd 470rpm ~ 327rpm
	4th 120rpm ~ 0rpm
Max . Torque	1st 95kg-M ~ 178kg-M
	2nd 150kg-M ~ 280kg-M
	3rd 205kg-M ~ 390kg-M
	4th 600kg-M ~1100kg-M

## FEED SYSTEM

Top head driven by hydraulic cylinders through heavy duty chain.

Traverse cylinder	180mm*100mm*3500mm
Head travel	1st 7.0M
Mast travel	Up: 0.5M, Down:1.5M
Pull-up capacity	38ton
Pull-down capacity	18ton

## GEAR BOX SLIDING

Travel	400mm
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**DRILL PIPE & CASING**

Drill pipe length 6M

**WORKING TABLE**

Max. casing diameter 8"

**HYDRAULIC CLAMP**

Single clamp 8"

**CRAWLER BASE**

Crawler type sola 75V with 130motos

Crawler speed 2.5km/h

Ground pressure 0.6kg/cm<sup>2</sup>

3-web track shose 400mm

Ground clearance 400mm

**WIRELINE DRUM**

for 3000M of 6 ~ 8mm  
(Not Including the wire)

**SELF LOADING**

Ground clearance 1300mm

Width 3000mm

**DRILLING DEPTH**

H Size 2000M

N Size 3000M

RC 4,5" 400M

Depending on Drilling condition, etc

### **WINCH**

Planetary with spring applied hydraulic release break, with cable.

Spool capacity	30M of 16mm cable
Line pull	25ton
Extension Boom	For 9M drill pipe

### **JIB CRANE**

Loading capacity	Min 150kg ~ Max 520kg
Extension	4.2M
Turn	60°

### **HYDRAULIC SYSTEM**

General	3 pump open loop system
Tank capacity	160ℓ
Filtration	10 micron
Pump model	K5V140*2+35(HP constant)
Cooling system	Air cooling
Operating pressure	280bar

### **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.

### **HYDRAULIC LEVELLING JACKS**

Four hydraulic Jacks are fitted to the outer corners of the rig for easy and accurate levelling

**\*\*\* OPTION \*\*\***

**1. FOOT CLAMP**

PQ/HQ/NQ/BQ

**2. ROD HANDLER**

on working plate

Hydraulic turn system

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