

D&B-45D SPECIFICATIONS



DIMENSIONS & WEIGHT

OA length-transport	14.0m
OA width	2.8m
OA height-transport	3.5m
OA height-mast up	13.8m
Weight-less drill pipe	25.6ton

ENGINE

Model	Doosan PU126TI 6 cylinder diesel engine
Rated power	400HP/2100rpm
Fuel capacity	600ℓ
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 to 1
Performance	three motor(Std)
Max . RPM	1st 1100rpm ~ 900rpm 2nd 800rpm ~ 650rpm 3rd 250rpm ~ 120rpm 4th 130rpm ~ 0rpm
Max . Torque	1st 190kg-M ~ 250kg-M 2nd 270kg-M ~ 350kg-M 3rd 650kg-M ~ 800kg-M 4th 900kg-M ~1500kg-M

FEED SYSTEM

Top head driven by hydraulic cylinders through heavy duty chain.

Traverse cylinder	200mm*150mm*5000mm
Head travel	1st 10M
Mast travel	Up: 0.5M, Down:1.5M
Pull-up capacity	45ton
Pull-down capacity	24ton

GEAR BOX SLIDING

Travel	500mm
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WINCH

Planetary with spring applied hydraulic release break, with cable.

Spool capacity	25M of 12mm cable
Line pull	10ton

JIB(Lazy suzanne)

80° turn, 350mm Extension

HYDRAULIC SYSTEM

General	3 pump open loop system
Tank capacity	310ℓ
Filtration	10 micron
Pump model	K3V180*2+63*2+10(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.
250mm Up/Dwon

HYDRAULIC JACKS

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

Ground clearance	1300mm
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DRILL PIPE & CASING

Drill pipe length 9M

WORKING TABLE

Max. casing diameter 14"

HYDRAULIC CLAMP

Single clamp 14"

CRAWLER BASE

Crawler type solar 200LC

Crawler speed 2.5km/h

Ground pressure 0.65kg/cm²

3-web track shoes 600mm

Ground clearance 600mm

WIRELINE DRUM

for 3000M of 8mm

(Not Including the wire)

***** OPTION *****

1. FOOT CLAMP

PQ/HQ/NQ

2. ROD HANDLER

on working plate

Hydraulic turn system





D&B