



Diamond Core Drilling Rig

D&B - 10KD

1. Powerful drilling
2. Top head rotation system
3. Unique Jib Crane : Useful angle drilling & casing handling.
4. Unique hydraulic drive Mud pump (Variable volume control)
5. Rod handler / Easy drill pipe changing system (Option)
6. Truck mounted type is available (Option)

D&B-10D Key Components

Mud Pump



- Full Hydraulic drive system
- Unique D&B design & Made
- Variable volume control
- Low maintenance cost

Engine



- Hyundai D4DA
- 100HP/2000RPM

Rotary Head



- Strong rotation power
- Special D&B design & Made
- Top head rotation system
- Low maintenance cost
- Special air swivel design

Winch



- Strong power
- Special D&B design & Made
- Speed control system

Self Loading Jack



- Crawler type only
- Special D&B design & Made
- Easy transport system

Remote Control(option)



- Wire/Wireless
- Easy & safe Drilling
- Safe Tramming

Technical Data Specification

		D&B-10KD	D&B-10KD	
Dimensions & Weight				
OA length-transport	m	5		
OA width	m	1.8		
OA height-transport	m	2.2		
OA height-mast up	m	5.8		
Weight	ton	5		
Engine				
Model(Diesel engine)		Hyundai D4DA		
Injection type		Indirect injection		
Rated power at 1800rpm	kw/ps	3,907		
Fuel tank capacity	ℓ	120		
Fuel consumption	g/kwh	154		
Cooling system		Water cooling		
Rotary Head				
Model		HJG800		
Reduction	ratio	4.35 : 1		
1st RPM/Torque	rev/min,kg.m	0~700/420		
2nd RPM/Torque	rev/min,kg.m	0~1100/180		
Feed System				
Top head driven by hydraulic cylinders through heavy duty chain.				
Type/model		Hyd. Cylinder		
Travels Cylinder	mm	55x90x3250		
Head travel	m	3.8		
Retract capacity	ton	10		
Push down capacity	ton	5		
Working Table				
Max. casing diameter	mm	220		
Hydraulic System				
System		3Pump Open loop system		
Hydraulic oil tank capacity	ℓ	160		
Filteration	micron	10		
Pump model		K3V63x2+HBF30x2		
Cooling system		Air cooling		
Operating condition at job site	30°~+45°	30°~+45°		
Operating pressure	kgf/cm ²	250		
Crawler Base				
Crawler type		LG4500		
Crawler speed	km/h	2.5		
Ground pressure	kgf/cm ²	0.6		
Ground clearance	mm	455		
3-web track shose	mm	455		
Hydraulic clamping				
Doubleclamp.Max.Diameter	mm	220		
Clamping size(Max)	mm	220		
Clamping size(Min)	mm	76		
Winch				
Spool capacity			17m of 10mm cable	
Line pull		ton	5	
Hydraulic out rigger jacks		Four hydraulic out riggers are fitted to the out		
Drill pipe breakout				
Torque break - out		ton	4	
Self - loading				
Ground clearance		mm	1300	
Width		mm	3000	
Light & Electrical system				
Mast		watt	2-60	
Control panel			2-gauge floodlight	
Work		watt	2-60	
Drill pipe				
Max. length		m	3	
Max. length(option)		m		
OPTION				
Mud pump				
JDMP 200		l/min	200	
Water injection pump				
(High pressure washing pump)		l/min,bar	100/35	
Welder				
High motor drive			250Amp.DC	
Hydraulic drifter				
			JDMD 700	
Remote control for tramming				
			wireless	
Drilling Perfomance				
Tricon drilling				
DTH drilling				
HQ drilling(88.9mm)		m	200	
NQ drilling(69.9mm)		m	500	
BQ drilling(55.6mm)		m	750	
Notice				
1. Above drilling depth will be changed by job-site & working condition.				
2. All specification can be changed without any notice.				