

Designed for working in tough environments, the Dando Watertec 9000 is capable of performing a range of water well drilling methods including mud rotary, DTH hammer and flooded reverse circulation.

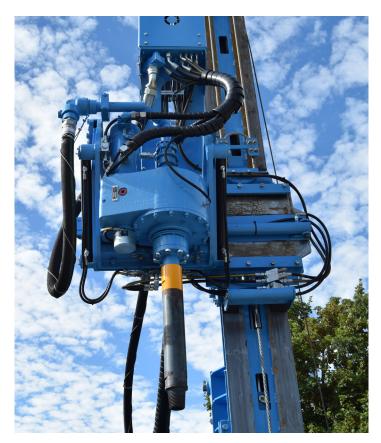


# Dando Watertec 9000



Capable of performing various drilling techniques including mud rotary, DTH and flooded reverse circulation.





4 speed rotary head mounted to a hydraulic side shift with optional floating spindle. Hydraulic head tilt and side shift as standard. Various head options.



Various mounting options available including tracks for when encountering rough, muddy terrain or 4x 4 truck for quick mobilisation between sites of long distance. Trailer mounted is also an option.

# Drilling Rig Specification

Carrier Option	
Outlier Option	פווע

Heavy duty commercial 4 x 4 truck - Trailer - Crawler - Skid - Mounted on customer own support vehicle/structure

## **Deck Engine**

Standard fitting: CAT C4.4 turbo diesel engine 102hp (142hp available as an option)

Mast Dimensions			
Working mast height using main winch: 5500mm	Working mast using the rotary head: 3600mm		
Head Traverse			
Hoist = 6m/m (20ft/min)	Rapid Hoist = 26m/min (85.5ft/min)		
Feed = 20.25m/min (66ft/min)	Rapid Feed = 36.5m/min (120ft/min)		
Mast Capacity			
Pullback: 10000kgf	Pulldown: 3250kgf	Hook load (max): 10000kgf	
Rotary Head Performance			
Standard	Rotation (max) 436rpm	Torque (max) 6000Nm	
Other options available			
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Rotary head tilt and side shift

### **Drill Table and Break Out System**

As standard - Double acting hydraulic make up and break out clamp. With minimum clamping diameter of 60mm and a maximum of 250mm

Other options available

### **Main Winch**

Maximum single line pull: 2040kgf | Maximum speed: 41m/ | Drum capacity: 57m of 10mm wire rope

### **Tool Handling Winch**

Maximum single line pull: 1326kgf | Maximum speed: 15m/ | Drum capacity: 30m of 8mm (wire rope. Other options available

### **Mud Pump**

Hydraulically driven 5" x 6"

duplex mud pump or centrifugal mud pump

Maximum flow rate: 568 litres/minute

Maximum discharge pressure: 310 psi

Other options available

#### **Inline Oil Lubricator**

Fitted as standard and used when operating a DTH hammer

# **Drilling Rig Specification**

# **Hydraulic System**

Hydraulic power circuit based on load sensing hydraulic pumps and proportional control valves with auxilery quick connect circuit

### **Drillers Control Panel**

Uncomplicated and user friendly with ergonomic layout mounted on a swing out arm

# **Rod Spin Safety Guard**

Fitted as standard with speed reduction.

### **Levelling Jacks**

Two front and two rear jacks with individual locking valves

### **Lighting and Electrical System**

Rig is provided with control panel and mast (optional) lighting. Electrical system is 12 volt

# **Drilling Capacities\***

4 1/2" (25kgs/m) drill rod= 320m

 $3 \frac{1}{2}$ " (13.5 kgs/m) drill rod = 592 m

## **Optional Equipment**

Drill Rod Rack - Mounted on carrier if truck or trailer

Other options available

