

# **DANDO WATERTEC 9000**

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.



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Made in Britain  
since 1867



# 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 4x4 truck for quick mobilisation between sites of long distance. Trailer mounted is also an option.



## Drilling Rig Specification

### Carrier Options

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

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/minute

Drum capacity: 57m of 10mm wire rope

### Tool Handling Winch

Maximum single line pull: 1326kgf

Maximum speed: 15m/minute

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 auxiliary 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 1/2" (13.5kgs/m) drill rod = 592m

### Optional Equipment

**Drill Rod Rack** - Mounted on carrier if truck or trailer

Other options available

