

# Schramm T200XD Drill Rig

The T200XD is the ideal choice for energy sector directional drilling and large diameter deep hole water well drilling with the hoist capacity of 200,000 lb.

- ❖ Equipped with Schramm Telemast Range III tubular capacity
- ❖ Precise hydraulic weight on bit control Compact 53 ft (16.2 m) transport length
- ❖ Rotation brake for directional drilling
- ❖ Up to 200,000 lbf (890kN) hoist capacity Up to 32,000 lbf (142 kN) pull-down



## Deck Engine

Detroit Diesel DDC/MTU 12V - 2000TA  
DDEC 760 bhp (567kw) @ 1800 rpm  
2 x 110 gallon - 415 litre fuel tanks

## Cooling

Two core, side by side heat exchanger with variable speed cooling fan

54 degrees ambient design

## temperature Mast

Telescoping mast design permits long head travel and working height, yet short overall length in transport position

Free-standing mast design

Hydraulically operated adjustable mast feet and slip box

## Tilting top head drive

Heavy duty single reduction gearbox with 4 two speed disc valve type hydraulic motors

Infinitely variable rotating speed via HRC control

Torque 0-90 RPM @ 17,750 ft lbs (24,066N-m) 0-180 RPM @ 7,670 ft lbs (10,399 N-m)

Rotation Speed 0-180 RPM

Maximum operating pressure 3,000 psi (208 bar)

## Feed System

50 ft (15.24 metre) head travel

200,000 lbf 890 kN) hoist capacity

100 fpm (30.5 m/min) hoist speed

32,000 lbf (142 kN) pull-down

200 fpm (61 m/min) pull-down speed

## Drill Table

Table Opening 30 inches (768 mm) diameter with table

retracted Hydraulically retractable slip box

## Drill Pipe & Casing

Range III tubular capability

30 inch (762 mm) maximum diameter through the slip box

## Loadsafe automated Pipe handling System

Lifts drill pipe and casing from horizontal position into alignment with tilting top head

Racks and store tubular

47 ft (14.3m) maximum tubular length, Range III

5,000 lb (2,268 kg) tubular lift capacity

## Winch

Planetary design with spring applied hydraulic release brake 9,600 lbf (42.7kN) bare drum line pull

150 fpm (46 m/min) bare drum line

speed Hydraulic jib swing and extend

Auxiliary winch available

## Outriggers

Dual Front 5 inch (127 mm) bore x 36 inch (0.91 m) stroke

Dual Front 5 inch (127 mm) bore x 41 inch (1.04 m) stroke

## Hydraulic System

Open loop load sensing system

210 gallon (795 litre) system capacity

7 micron filtration

## Electrical System

24 volt DC Electrical System

## Rig Weight and Dimensions – NOTE: for general illustration only, varies with rig configuration

OA length, transport 53ft (16.2 m)

OA width 9 ft 6 inches (2.9 m)

OA height, transport 13ft 6 inches (4.12 m)

Rig trailer weight 95,000 lbs (43,091 kg)

Pipe handling trailer weight 40,000 lbs (18,144 kg)

## Accessories

Toolbox, breakout wrench

50 hour maintenance kit

Rotation brake for directional drilling

Hydraulic roughneck

Power slips with Schramm Bowl

Water injection and tool lubricator systems