

**SCHRAMM**<sup>®</sup>**Breaking Ground, Building Trust.™****ENERGY** ■**WATER WELL** ■

# T200XD

## RANGE III CAPABILITY IN A COMPACT OVER THE ROAD DRILLING RIG

The T200XD is the drilling contractor's rig of choice for energy sector directional drilling and large diameter deep hole water well drilling applications requiring 200,000 lb hoist capacity.

Thanks to its patented Telemast<sup>®</sup> design, the T200XD offers Range III tubular capability in a fully portable over the road package that can be set up in a matter of hours upon arrival to the drilling site. In addition, its small footprint dramatically reduces environmental impact.

When supplied with a tilting top head, this rig is fully compatible with LoadSafe<sup>®</sup>, Schramm's trailer mounted, fully automated pipe handling system. LoadSafe<sup>®</sup> offers the highest degree of operator safety available in the industry today.

Any climate, any terrain, Schramm rigs are built your way, delivering maximum performance and reliability in the most extreme environments on earth.

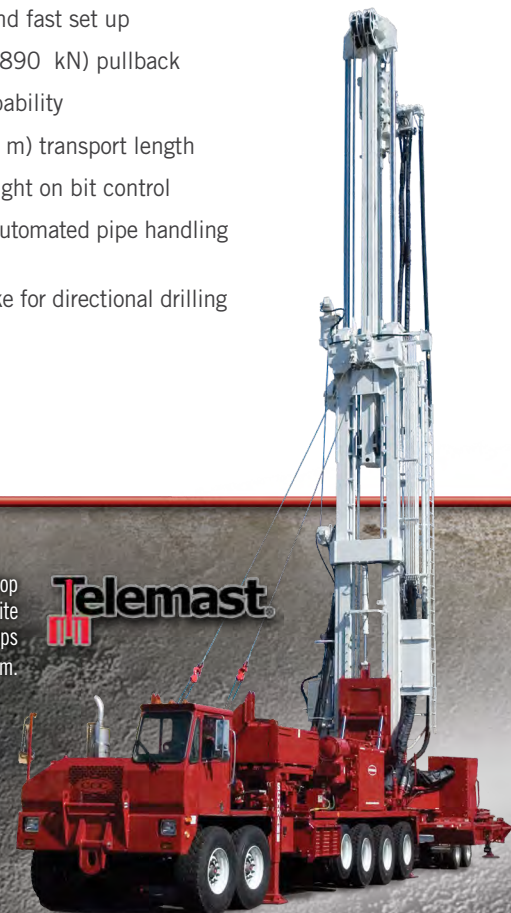
- Equipped with Schramm patented Telemast<sup>®</sup> for easy portability and fast set up
- Up to 200,000 lbf ( 890 kN) pullback
- Range III tubular capability
- Compact 50 ft (15.2 m) transport length
- Precise hydraulic weight on bit control
- Optional LoadSafe<sup>®</sup> automated pipe handling system available
- Optional rotation brake for directional drilling available



Schramm's Telemast<sup>®</sup> equipped drills feature fast set-up, long top head travel, short transport length, small foot print, and low site impact. Rigs can be supplied with hydraulic breakout, power slips and the Schramm LoadSafe<sup>®</sup> automated pipe handling system.

**Telemast**<sup>®</sup>**LOADSAFE**

Trailer mounted drill pipe, collar and casing handling system safely and precisely lifts tubulars from horizontal position into alignment with tilting top head.



# T200XD

## SPECIFICATIONS

### DECK ENGINE

- Detroit Diesel DDC/MTU 12V-2000TA DDEC
- 760 bhp (567 kw) @ 1800 rpm
- 2 x 110 gallon (415 l) fuel tanks
- Air or electric start available

### COOLING

- Two core, side by side heat exchanger with variable speed cooling fan
- 130°F (54°C) ambient design temperature

### CARRIER

- CCC 12 x 6 carrier
- Wheel base 25 ft (7.6 M)
- Cummins engine rated 420 hp @ 1,900 rpm
- 44,000 lb (19,955 kg) front axle
- 23,000 lb (10,433 kg) pusher axle
- 77,000 lb (34,927 kg) rear tridem
- 142,500 lb (64,637 kg) GVWR

### 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

### TOP HEAD DRIVE

- Heavy duty, single reduction gearbox with 4 two-speed disc valve type hydraulic motors
- Infinitely variable rotation speed via HRC control
- Torque options available to 25,130 ft-lbs (34,072 N-m)
- Variable rotation speeds available to 180 RPM
- Maximum operating pressure: 3,000 psi (208 bar)

### FEED SYSTEM

- 50 ft (15.24 M) head travel
- 200,000 lbf (890 kN) pullback
- 200 fpm (61 m/min) pullback speed
- 32,000 lbf (142 kN) pulldown
- 200 fpm (61 m/min) pulldown speed

### DRILL TABLE

- Table Opening: 30 inches (768 mm) diameter with table retracted
- Hydraulically retractable slip box

### DRILL PIPE AND CASING

- Range III tubular capability
- 30 inch (762 mm) maximum diameter through the slip box

*Rig performance is directly related to conditions encountered in the field. Rig specifications presented here illustrate equipment performance under factory test conditions. Schramm, Inc. continuously improves its products and reserves the right to change specifications, design, prices and terms at any time without notification or obligation. These specifications do not extend any warranty, expressed or implied, nor do they or Schramm, Inc. make or imply any representation of the machine's merchantability or fitness for a particular purpose.*



### OUTRIGGERS

- Dual Front - 5 inch (127 mm) bore x 36 inch (0.91 m) stroke
- Dual Rear - 5 inch (127 mm) bore x 41 inch (1.04 m) stroke

### WINCH

- Planetary design with spring applied hydraulic release brake
- 9,600 lbf (42.7 kN) bare drum line pull
- 150 fpm (46 m/min) bare drum line speed

### HYDRAULIC SYSTEM

- Open loop load sensing system
- 210 gallon (795 l) 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: 50 ft (15.2 m)
- OA width: 9 ft 6 inches (2.9 m)
- OA height, transport: 14 ft (4.27 m)
- Typical GVWR: 142,000 lbs (64,410 kg)

### STANDARD ACCESSORIES

- Tool box, pipe handling sling, breakout wrench
- 50 hour maintenance kit

### OPTIONAL EQUIPMENT

- High capacity top head
- Tilting top head
- Rotation brake for directional drilling
- LoadSafe® automated pipe handling system
- Single pipe loading arm
- Power breakout
- CE mark for European requirements
- See your Schramm representative for additional available options