

# DD-240T

## MID-SIZE DIRECTIONAL DRILL



### FEATURES & BENEFITS

#### **MAXIMUM UPTIME**

The DD-240T is fit with full-length traveling wrenches, usually reserved for maxi-rig models, to help assist stubborn tool joints and allow the rig to pull tooling up to the drill's frame. Also equipped with a standard slip spindle that allows for easy change-out when necessary.

#### **ADVANCED CAB AND CONTROLS**

Innovative Quiet-Pak® engine enclosure reduces dBs for quieter performance and greater operator comfort. Flexible control settings allow for control customization and will reduce overall training time.

#### **EXCLUSIVE CATCH RIG TECHNOLOGY**

Patent-pending rotary free spin technology allows the machine to be used on the exit side of a project during the hole opening and swab passes. Drill fluid can be pumped directly through the fluid course without an external swivel, saving time and money.

#### **ULTIMATE FLEXIBILITY**

The most customizable rig in the industry, the DD-240T is equipped with our patented on-board/off-board cabin and on-board/off-board pump. These versatility features allow you to tailor your set-up to better fit your environment and working conditions, bringing greater operator comfort and productivity across a wide variety of jobs.

#### **INTUITIVE TELEMATICS**

Equipped with PinPoint® telematics and the latest in HDD technology, the DD-240T delivers more precise monitoring and support.

#### **ONBOARD DRILL FLUID PUMP**

A world class onboard drill pump has a 300 gpm rating, allowing flows of 196 per minute, greatly increasing pump life.



# DD-240T

## SPECIFICATIONS

| POWER TRAIN                       | U.S.                                       | METRIC  |
|-----------------------------------|--|---------|
| Engine                            | MTU 6R1300                                 |         |
| Manufacturer's gross power rating | 523 hp                                     | 390 kW  |
| Fuel capacity                     | 178 gal                                    | 674 L   |
| Hydraulic filter                  | 6 Micron ABS                               |         |
| Battery                           | 2 Deka 908DME 12 V, 1450 CCA - 24 V System |         |
| Travel speed, forward/backward    | 1.37 mph                                   | 2.2 kph |

### CARRIAGE SYSTEM

|                     |  |            |
|---------------------|--|------------|
| Rack and pinion     | 4 Pinion drive w/ adjustable force limiter |            |
| Thrust/pullback     | 240,000 lb                                 | 108 tonnes |
| Carriage speed, max | 150 ft/min                                 | 46 m/min   |
| Carriage motors     | 4 Axial piston / dual displacement         |            |
| Carriage brakes     | 2 Spring-applied / hydraulic release       |            |
| Gearbox             | 4 Planetary gearboxes                      |            |

### ROTARY DRIVE

|                    |   |             |
|--------------------|---|-------------|
| Rotary system      | 2 Pinion and gear drive with infinitely adjustable torque limiter |             |
| Rotary torque, max | 43,900 ft-lb  | 59,520 Nm   |
| Rotary speed, max  | 150 rpm   |             |
| Rotary motor       | 2 Radial piston variable  |             |
| Rotary brakes      | 1 Spring-applied / hydraulic release                              |             |
| Rotary gearbox     | 1 Planetary drive   |             |
| Fluid course       | 3 in.   | 76 mm       |
| Flow, max          | 650 gal/min   | 2,460 L/min |
| Pressure, max      | 1,500 psi   | 103 bar     |

### WRENCH

|                      |              |            |
|----------------------|--------------|------------|
| Wrench design        | Closed top   |            |
| Clamp/grip range     | 4.5-9.5 in   | 114-241 mm |
| Breakout torque, max | 80,000 ft-lb | 108,465 Nm |
| Makeup torque, max   | 67,000 ft-lb | 85,010 Nm  |

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

| DRILL RIG   | U.S.                        | METRIC     |
|-------------|-----------------------------|------------|
| Drill pipe  | 31-34 ft                    | 9.4-10.4 m |
| Drill angle | 10-18°                      |            |
| Cabin       | Onboard, offboard, detached |            |

### DRILL PIPE

|                             |              |                |
|-----------------------------|--------------|----------------|
| Outside tube diameter       | 4.5-5.5 in   | 114.3-139.7 mm |
| Tool joint outside diameter | 6.625-7.5 in | 168.3-190.5 mm |
| Thread type                 | API-IF       |                |
| Fluid course                | 3 in         | 76 mm          |

### PUMP

|               |                         |             |
|---------------|-------------------------|-------------|
| Pump          | Gardener Denver Triplex |             |
| Flow, max     | 300 gpm                 | 1,136 L/min |
| Pressure, max | 1,300 psi               | 89.6 bar    |

### WEIGHT

|           |           |           |
|-----------|-----------|-----------|
| Transport | 75,368 lb | 31,186 kg |
|-----------|-----------|-----------|

### DIMENSIONS

|        |         |         |
|--------|---------|---------|
| Length | 52.5 ft | 19.05 m |
| Width  | 8.16 ft | 2.5 m   |
| Height | 11.5 ft | 3.5 m   |

