RT105M TRACTOR

Ditch Witch®

RIDE-ON
The RT105M is the ultimate machine if you’re looking for power, convenience and durability. The RT105M features a variety of incredible benefits from a 4-wheel drive, to power shift and a roomy operator’s station with an ergonomically designed seat that will make every job run smoother and faster. The RT105M is the toughest tool you can find to help you get through your job with ease.
Long hours on the jobsite can take their toll. So we redesigned the operator’s station on the RT105M to keep you productive and comfortable. With plenty of muscle to power through the toughest tasks, the RT105M also includes all-new comfort features from an ergonomic, high-back swivel operator seat and controls console to improved legroom and tiltable steering. Enjoy total productivity from your new trenching office.

**DRIVEN TO BE THE BEST. ALWAYS.**

1. **Dial control design for more precise control of ground drive.**
2. **The ergonomic station features additional legroom to keep operators comfortable and productive during long hours on a job.**
3. **Updated foot pedal design, easy-to-read gauges and controls, and a tiltable steering column provide operator with the controls needed to get the job done efficiently.**
4. **5-inch color LCD display for easier operation and machine monitoring.**
5. **Industry-unique custom design backfill blade control with electronic float for ultimate operator control.**
6. **Rotating, ergonomically designed seat with controls console that rotates 120 degrees for improved operator comfort.**
RT105M TRACTOR SPECIFICATIONS

U.S. METRIC

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>U.S.</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle of approach (A2)</td>
<td>25°</td>
<td></td>
</tr>
<tr>
<td>Height (H1)</td>
<td>115 in</td>
<td>2,920 mm</td>
</tr>
<tr>
<td>Height (H2)</td>
<td>105 in</td>
<td>2,667 mm</td>
</tr>
<tr>
<td>Nose to rear mount length (L1)</td>
<td>125 in</td>
<td>3,175 mm</td>
</tr>
<tr>
<td>Length (L2)</td>
<td>154 in</td>
<td>3,910 mm</td>
</tr>
<tr>
<td>Wheelbase (L4)</td>
<td>79 in</td>
<td>2,005 mm</td>
</tr>
<tr>
<td>Width (B2)</td>
<td>82 in</td>
<td>2,085 mm</td>
</tr>
<tr>
<td>Width (B4)</td>
<td>64 in</td>
<td>1,625 mm</td>
</tr>
</tbody>
</table>

POWER PLANT

Engine Deutz® TCD3.6L4
Fuel Diesel
Cooling medium Liquid
Injection Direct
Aspiration Turbocharged, charge air cooled
Number of cylinders 4
Displacement 221 in³ 3.6 L
Bore 3.86 in 98 mm
Stroke 4.72 in 120 mm
Rated speed 2,300 rpm
Engine tilt angles, max
Longitudinal 30°
Lateral 30°
Emissions compliance (highly regulated countries) EPA Tier 4 Final EU Stage IV

POWER TRAIN

Ground drive (Driving) powershift
Differentials Planetary front and rear steer
Service brake Disc type, foot operated
Parking brake Disc type, SAHR

OPERATION

Forward speed 0.6 mph 1.0 km/h
Link 6.3 mph 10.1 km/h
High 9.2 mph 14.9 km/h
Reverser speed 0.6 mph 1.0 km/h
Low 8.2 mph 13.3 km/h
High 9.2 mph 14.9 km/h

Vehicle clearance circle (SAE) wall to wall without blade
Front steering only 35 ft 10.7 m
Front and rear steer 21 ft 6.4 m
Ground clearance 14 in 356 mm
Basic unit weight 9,700 lb 4,400 kg
Allowable tractor weight, max 22,000 lb 9,979 kg
Front counterweight, each 1,300 lb 590 kg
Side counterweight, each 250 lb 114 kg

HYDRAULIC SYSTEM @ 2,300 RPM

Circuit circuit drive/steer pump capacity 11.5 gpm 43 l/min
Pump relief pressure 3,100 psi 213 bar
Auxiliary pump capacity 5.1 gpm 19.3 l/min
Auxiliary pump relief pressure 3,000 psi 206 bar

FLUID CAPACITIES

First tank 38 gal 144 L
Engine oil 8.5 qt 8 L
Hydraulic reservoir 20 gal 95 L
Hydraulic system 50 gal 114 L
Cooling system 4.25 gal 16.1 L
DEF tank 2.6 gal 10 L

NOISE LEVEL

Operator 91 dBA sound pressure per ISO 6394
Exterior 107 dBA sound power per ISO 6393

BACKFILL BLADE

Blade width 80 in 2030 mm
Blade height 17 in 430 mm
Lift height above ground 26 in 660 mm
Blade drop below ground 10 in 254 mm
Swing angle, max (left/right) 30°
Tilt angle, upward 12°

BATTERY (2 USED)

Group 65
SAE reserve capacity 165 min
Auxiliary power outlet 12 volt, 10 amps

VIBRATION LEVEL

Average vibration transmitted to the operator’s hand during normal operation is 5.98 m/sec².
Average vibration transmitted to the operator’s whole body during normal operation does not exceed 0.64 m/sec².

Unless otherwise specified, all figures are for standard equipment only. Specifications are called out according to SAE recommended procedures. Due to selected options, delivered equipment may not necessarily match that described. Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured.

RT105M ATTACHMENT SPECIFICATIONS

BH120 BACKHOE

U.S. METRIC

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>U.S.</th>
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<tbody>
<tr>
<td>Transport height</td>
<td>118 in</td>
<td>2,997 mm</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>29 in</td>
<td>736 mm</td>
</tr>
<tr>
<td>Digging depth, max</td>
<td>112 in</td>
<td>2,844 mm</td>
</tr>
<tr>
<td>Reach from swinging pivot</td>
<td>158 in</td>
<td>4015 mm</td>
</tr>
<tr>
<td>Bucket width</td>
<td>12-24 in</td>
<td>300-610 mm</td>
</tr>
<tr>
<td>Backhoe weight without bucket</td>
<td>3,300 lb</td>
<td>1497 kg</td>
</tr>
<tr>
<td>Swing arc</td>
<td>180°</td>
<td></td>
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</table>

CT100M CENTERLINE TRENCHER

U.S. METRIC

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<tr>
<th>DIMENSIONS</th>
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<tbody>
<tr>
<td>Angle of departure</td>
<td>23.7°</td>
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<tr>
<td>Trench depth, max</td>
<td>21 in</td>
<td>533 mm</td>
</tr>
<tr>
<td>Trench width, max</td>
<td>24 in</td>
<td>610 mm</td>
</tr>
<tr>
<td>Transport height</td>
<td>124 in</td>
<td>3251 mm</td>
</tr>
<tr>
<td>Transport length</td>
<td>115 in</td>
<td>2921 mm</td>
</tr>
<tr>
<td>Attachment weight</td>
<td>1,750 lb</td>
<td>794 kg</td>
</tr>
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DT100M DUAL POSITION TRENCHER

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<tbody>
<tr>
<td>Angle of departure</td>
<td>28°</td>
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</tr>
<tr>
<td>Trench depth, max</td>
<td>97 in</td>
<td>2464 mm</td>
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<tr>
<td>Trench width, center position max</td>
<td>24 in</td>
<td>610 mm</td>
</tr>
<tr>
<td>Trench width, offset position max</td>
<td>12 in</td>
<td>305 mm</td>
</tr>
<tr>
<td>Transport height</td>
<td>124 in</td>
<td>3251 mm</td>
</tr>
<tr>
<td>Transport length</td>
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Ditch Witch
Replacing worn digging system components is essential to maintaining maximum productivity from your trencher. See your dealer for genuine Ditch Witch chain, specially manufactured headshaft sprockets and digging teeth, which are designed to work together as a system to provide unparalleled trenching performance.

Tires, rubber tracks, o-ring kits, decals, paint, filters, hydraulic cylinder kits, belts, and many other replacement parts and accessories are available at your local Ditch Witch dealership, where you’ll also and expert advice that comes from years of experience in the underground construction industry.

Your Ditch Witch dealership offers professional service technicians who are extensively trained in every aspect of Ditch Witch equipment maintenance and repair. Ask a service representative about our Orange Armor® Planned Maintenance program to keep your equipment in peak operating condition.