# RT125
# TRACTOR

Ditch Witch®



RIDE-ON

# **RT125** TRACTOR





The RT125 is the most powerful trencher in its class, giving you more horsepower and a wider range of attachments. This versatile machine features a 121-hp engine, a cruise-control system and custom designed backfill blade control so you can maximize your productivity and performance every time you start it up.

WE'RE IN THIS TOGETHER.

1. Redesigned operator's station that rotates 120 degrees and provides more legroom and comfort.
2. Custom designed backfill blade control with electronic float for more controllability.
3. Six-post Rollover Protection System (ROPS) with a canopy, plus optional climate control.
4. Dial control design for more precision with drive speed and attachments.
5. Cruise-control system that senses engine load and automatically adjusts ground drive speed.
6. Turbocharged Deutz®, Tier 4 diesel engine with 121 hp (90 kW) for more power and efficiency.
7. Variety of attachments for more versatility like a plow, trencher, backhoe, and reel carrier.
8. Chevron patterned tracks for more traction in all conditions.
9. Durable steel hydraulic tank for more efficient use of available space.
10. Rubber isolators between the cab and frame for reduced vibration and a smoother ride.



# **RT125 TRACTOR** SPECIFICATIONS

| | U.S. | METRIC |
|---|---|---|
| **DIMENSIONS** | | |
| Angle of approach (A2) | 25° | |
| Height (H1) | 115 in | 2920 mm |
| Height (H2) | 105 in | 2667 mm |
| Nose to rear mount length (L1) | 125 in | 3175 mm |
| Length, transport (L2) | 154 in | 3910 mm |
| Wheelbase (L4) | 79 in | 2005 mm |
| Width (W2) | 82 in | 2085 mm |
| Tread (W4) | 64 in | 1625 mm |
| **POWER** | | |
| Engine | Deutz® TCD3.6L4 | |
| Fuel | Diesel | |
| Cooling medium | Liquid | |
| Injection | Direct | |
| Aspiration | Turbocharged, charge air cooled | |
| Number of cylinders | 4 | |
| Displacement | 221 $in^3$ | 3.6 L |
| Bore | 3.86 in | 98 mm |
| Stroke | 4.72 in | 120 mm |
| Manufacturer's gross power rating (SAE J1995) | 121 hp | 90 kW |
| Estimated net power rating (SAE J1349) | 113 hp | 84 kW |
| 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 |
| Emissions compliance (less regulated countries) | EPA Tier 4i | EU Stage IIIB |

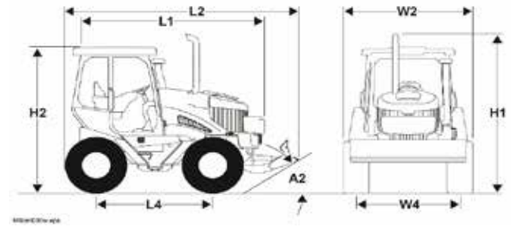
| | U.S. | METRIC |
|---|---|---|
| **POWER TRAIN** | | |
| Ground drive transmission | Hydrostatic drive 2 speed | |
| Differentials | Planetary front and rear w/rear steering | |
| Service brake | Disc type, foot operated | |
| Parking brake | Disc type, SAHR | |
| Tires | 38 x 18.00-20 NHS(TL) | |
| Attachment drive transmission | Hydrostatic | |
| **OPERATION** | | |
| Forward speed | | |
| Low/low | .5 mph | .8 k/h |
| Low/high | 1.3 mph | 2.1 k/h |
| High/low | 4.5 mph | 7.2 k/h |
| High/high | 8 mph | 12.9 k/h |
| Reverse speed | | |
| Low/low | .5 mph | .8 k/h |
| Low/high | 1.3 mph | 2.1 k/h |
| High/low | 3.2 mph | 5.1 k/h |
| High/high | 5.5 mph | 8.8 k/h |
| Vehicle clearance circle (SAE) wall to wall w/backfill blade | | |
| Front steer 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 | 4400 kg |
| Allowable tractor weight, max | 22,000 lb | 9979 kg |
| Front counterweight | 1,300 lb | 590 kg |
| Side counterweight, each | 250 lb | 114 kg |



# **RT125 TRACTOR** SPECIFICATIONS

| | U.S. | METRIC |
|---|---|---|
| **HYDRAULIC SYSTEM @ 2,300 RPM** | | |
| Ground drive pump capacity | 27.5 gpm | 104 min |
| Ground drive pump relief pressure | 5,300 psi | 365 bar |
| Attachment pump capacity | 45 gpm | 170.5 L/min |
| Attachment pump relief pressure | 6,500 psi | 448 bar |
| Auxiliary pump capacity | 5.1 gpm | 19.3 L/min |
| Auxiliary pump relief pressure | 3,000 psi | 206 bar |
| **FLUID CAPACITIES** | | |
| Fuel tank | 38 gal | 144 L |
| Engine oil | 8.5 qt | 8 L |
| Hydraulic reservoir | 25 gal | 95 L |
| Hydraulic system | 30 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 | 109 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, up/down | 12° | |
| **VIBRATIONAL LEVEL** | | |
| Average vibration transmitted to the operator's hand during normal operation is 5.98 $m/sec^2$. | | |
| Average vibration transmitted to the operator's whole body during normal operation does not exceed 0.64 $m/sec^2$. | | |
| Operator seat per ISO 6683 / SAE J386. | | |

| | U.S. | METRIC |
|---|---|---|
| **BATTERY** | | |
| Group | 65 | |
| SAE reserve capacity rating | 165 min | |
| Cold crank rating @ 0°F (-18°C) | 875 amps | |
| Auxiliary power outlet | 12V, 10 amps | |




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 necessary match that shown.

Ditch Witch®



# RT125 TRACTOR ATTACHMENTS



## BH120 BACKHOE

| DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Transport height | 118 in | 2997 mm |
| Ground clearance | 29 in | 736 mm |
| Digging depth, max | 112 in | 2844 mm |
| Reach from swing pivot | 158 in | 4013 mm |
| Bucket width | 12-24 in | 300-610 mm |
| Backhoe weight without bucket | 3,300 lb | 1497 kg |
| Swing arc | 180° | |



## CT120H TRENCHING ATTACHMENT

| DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Angle of departure | 23.7° | |
| Trench depth, max | 97 in | 2463 mm |
| Trench width, max | 24 in | 610 mm |
| Transport height | 124 in | 3251 mm |
| Transport length | 115 in | 2921 mm |
| Attachment weight | 1,750 lb | 794 kg |



## PT120H COMBO ATTACHMENT

| TRENCHER DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Trench depth, max | 70 in | 1780 mm |
| Trench width | 6-12 in | 150-300 mm |
| Transport length* | 126 in | 3200 mm |
| Transport height* | 126 in | 3200 mm |
| Angle of departure | 22° | |

**Dimensions w/48" boom*

| PLOW DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Angle of departure, transport, no blade | 30° | |
| Angle of departure, transport, 24-inch blade | 27° | |
| Angle of departure, transport, 30-inch blade | 22° | |
| Attachment length, fully lowered, no blades | 103 in | 2616 mm |
| Attachment length, fully raised, no blades | 70 in | 1778 mm |
| Cover depth* | 36 in | 914 mm |
| Attachment weight without boom, chain, or plow blade | 3,065 lb | 1390 kg |

** Suggested maximum. Plow blade used will be determined by job requirements and soil conditions.*

# RT125 TRACTOR ATTACHMENTS



## VP120H PLOWING ATTACHMENT

| DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Angle of departure, transport, no blade | 47.5° | |
| Angle of departure, transport, 24-inch blade | 30° | |
| Angle of departure, transport, 30-inch blade | 24° | |
| Attachment length, fully lowered, no blade | 97 in | 2464 mm |
| Attachment length, fully raised, no blade | 78 in | 1981 mm |
| Cover depth* | 42 in | 1067 kg |
| Attachment weight, without plow blade | 2,600 lb | 1180 kg |

**Suggested maximum. Plow blade used will be determined by job requirements and soil conditions.*



## ST120H TRENCHING ATTACHMENT

| DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Angle of departure | 24° | |
| Trench depth, max | 94 in | 2387.6 mm |
| Trench width, max | 24 in | 610 mm |
| Transport length | 126 in | 3200 mm |
| Attachment weight | 2,350 lb | 1066 kg |



## RS40 SAWING ATTACHMENT

| DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Trench depth | 40 in | 1016 mm |
| Trench width | 4.5, 6, 8 in | 115, 150, 203 mm |
| Transport height - attachment | 130 in | 3302 mm |
| Angle of departure | 19° | |
| Attachment weight | 5,900 lb | 2676 kg |



## RC30 REEL CARRIER

| DIMENSIONS | U.S. | METRIC |
|---|---|---|
| Reel diameter, max | 96 in | 2438 mm |
| Internal width | 54 in | 1372 mm |
| Capacity | 2,500 lb | 1134 kg |



## FIND THE SUPPORT YOU NEED AT YOUR DITCH WITCH® DEALER, INCLUDING:



### DIGGING SYSTEMS

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.



### PARTS

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



### SERVICE

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, a schedule of maintenance at factory-suggested intervals that keeps your equipment in peak operating condition.

Ditch Witch®

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