



# RT125

RIDE-ON TRACTOR



Ditch Witch®

# RT125

The RT125 is one of the most productive and reliable trenchers on the market today, giving you plenty of horsepower and a wider range of attachments. This versatile machine features a Deutz® 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.



1

Anti-stall technology prevents your engine from stalling and dying when you hit rock or debris while working, clearing the chain at the push of a button.

2

Displayed within the armrest of the machine, the optional Trencher Depth Meter feature allows you to track the distance and depth of your trench from the comfort of the RT125's operator station.

3

Advanced cruise control system senses engine load and automatically adjusts ground drive speeds to changing conditions.

4

Six-post Rollover Protection System (ROPS) with a canopy, plus optional climate-control.

5

Ergonomic operator's station that rotates 120 degrees and provides more legroom and comfort.

Turbocharged Deutz® diesel engine with 121-hp (90kW) for excellent power and efficiency.

6

12

Optional tilt-frame configuration helps you dig a vertical trench on uneven ground.

11

Dial control design for more precision with drive speed and attachments.

10

Durable steel hydraulic tank for more efficient use of available space.

9

Isolators between the cab and frame for reduced vibration and a smoother ride.

7

Variety of attachments for more versatility like a plow, earth saw, backhoe, trencher combo, and reel carrier.

8

Custom-designed backfill blade control with electronic float for more controllability.

# RT125 RIDE-ON TRACTOR

DIMENSIONS	U.S.	METRIC
Angle of approach (A2)	25°	
Height (H1)	115 in	2921 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 <sup>3</sup>	3.6 L
Manufacturer's gross power rating (SAE J1995)	121 hp	90 kW
Rated speed	2,200 rpm	
Emissions compliance	EPA Tier 4 Final	

POWER TRAIN	U.S.	METRIC
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, max.	7.2 mph	11.6 km/h
Reverse speed, max.	4.7 mph	7.5 km/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	25,600 lb	11611 kg
Front counterweight	1,300 lb	590 kg
Side counterweight, each	250 lb	114 kg

# RT125 RIDE-ON TRACTOR

HYDRAULIC SYSTEM @ 2,300 RPM	U.S.	METRIC
Ground drive pump capacity	27.5 gpm	104 L/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
Coolant	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

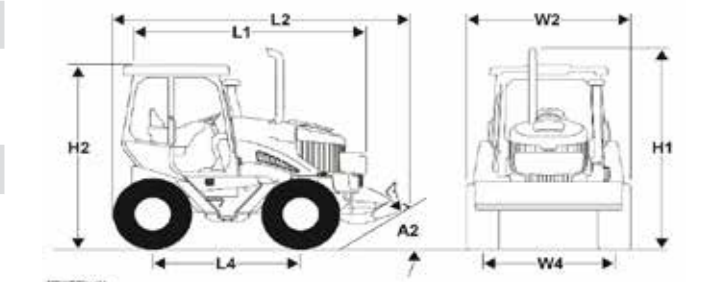
Blade width	80 in	2030 mm
Blade height	17 in	430 mm
Lift height above ground	26 in	660 mm
Blade drop below ground	10 in	254 mm
Swing angle, max, left/right	30°	
Tilt angle, up/down	12°	

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

## VIBRATIONAL LEVEL

Average vibration transmitted to the operator's hand during normal operation is 5.98 m/sec <sup>2</sup> .
Average vibration transmitted to the operator's whole body during normal operation does not exceed 0.64 m/sec <sup>2</sup> .
Operator seat per ISO 6683 / SAE J386

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.



# RT125 RIDE-ON 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 RIDE-ON TRACTOR ATTACHMENTS



## VP120 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.

