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 Cummins® 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.
6. Turbocharged Cummins® diesel engine with 121-hp (90-kW) for excellent power and efficiency.
7. Variety of attachments for more versatility like a plow, rock saw, backhoe, trencher combo and reel carrier.
8. Custom-designed backfill blade control with electronic float for more controllability.
9. Isolators between the cab and frame for reduced vibration and a smoother ride.
10. Durable steel hydraulic tank for more efficient use of available space.
11. Dial control design for more precision with drive speed and attachments.
12. Crab and coordinated steering modes make working easier, letting operators turn with a steering wheel—versus two separate levers.
13. Optional tilt-frame configuration helps you dig a vertical trench on uneven ground.

DRIVEN TO BE THE BEST. ALWAYS.

Long hours on the jobsite can take their toll. That's why the cab on the RT125 is designed to keep you productive and comfortable. With plenty of muscle to power through the toughest tasks, the RT125 also includes comfort features from an ergonomic, high-back swivel operator seat and controls console to added legroom and tiltable steering. Enjoy total productivity from your new trenching office.

Cruise control system that senses engine load and automatically adjusts ground drive speed to maximize productivity in all types of soil conditions.

2

1

Dial control design for more precise control of ground drive and attachments.

3

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

The ergonomic station features additional legroom to keep operators comfortable and productive during long hours on a job.

5

5-inch color LCD display for easier operation and machine monitoring.

6

An enhanced rear-steer indicator is integrated into the operator display for easy viewing of the rear wheel positioning.

7

Industry-unique custom design backfill blade control with electronic float for ultimate operator control.

8

Ergonomically designed seat with controls console that rotates 120 degrees for improved operator comfort.

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 CENTERLINE TRENCHER



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 w/out boom, chain or plow blade	3,065 lb	1390 kg

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

VP120 PLOW 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, w/out 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

RT125 RIDE-ON SPECIFICATIONS

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	Cummins® F3.8	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged, charge air cooled	
Number of cylinders	4	
Displacement	232 in^3	3.8 L
Manufacturer's gross power rating (SAE J1995)	121 hp	90 kW
Rated speed	2,200 rpm	
Emissions compliance	EPA Tier 4 Final	EU Stage V

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, max	8.3 mph	13.4 km/h
Reverse speed, max	4.2 mph	6.8 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	9,750 lb	4420 kg
Allowable tractor weight, max	22,000 lb	9979 kg
Front counterweight	1,300 lb	590 kg
Side counterweight, each	250 lb	114 kg

HYDRAULIC SYSTEM @ 2,200 RPM	U.S.	METRIC
Ground drive pump capacity	26.7 gpm	101 l/min
Ground drive pump relief pressure	5,300 psi	365 bar
Attachment pump capacity	44 gpm	165 l/min
Attachment pump relief pressure	6,500 psi	448 bar
Auxiliary pump capacity	5.3 gpm	20.2 l/min
Auxiliary pump relief pressure	3,000 psi	206 bar

FLUID CAPACITIES	U.S.	METRIC
Fuel tank	38 gal	144 L
Engine oil	13.7 qt	13 L
Hydraulic reservoir	25 gal	95 L
Hydraulic system	30 gal	114 L
Coolant	4.9 gal	18.5 L
DEF tank	4.9 gal	18.5 L

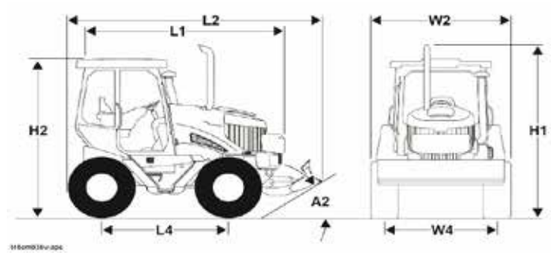
NOISE LEVEL	
Operator	91 dBA sound pressure per ISO 6394
Exterior	107 dBA sound power per ISO 6393

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°	
Manufacturer's gross power rating (SAE J1995)	121 hp	90 kW
Rated speed	2,200 rpm	

BATTERY	
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^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

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.







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.

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