

RT120 QUAD TRACTOR

 **Ditch Witch**[®]



RIDE-ON

RT120 QUAD TRACTOR



1

Heavy-duty, robust track frames weigh 1,500 lb (680.4 kg) each (including track), providing a lower center of gravity for increased stability and drawbar.

2

Standard rear steer gives the RT120 Quad a tighter turn radius, for better jobsite maneuverability and increased versatility while digging.

3

Dial control design gives the operator precise control of the ground drive speed and attachments.

4

Removable side panels provide easy access to service areas; oil level can be checked without opening the engine enclosure.

5

121-hp (90-kW) Deutz® diesel engine and reliable hydrostatic design keep the RT120 Quad running strong all day long.

6

Operator's station has color LCD engine display that provides all engine information and diagnostics.

7

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

8

Best-in-class ground clearance of 15.5 in (394 mm) for better productivity around bar ditches, creek beds and uneven terrain.

9

Heavy-duty undercarriage is built for durability and long life.

10

Standard four-wheel drive and four-wheel steering make the RT120 Quad ideal for both paved and off-road work.

11

Chevron-pattern tracks provide maximum traction in wet conditions and on slopes.



When you've got a lengthy utility or telecom installation, you're bound to run into all types of terrain along the way. That's when you'll begin to realize the true value of the extraordinarily stout, powerful **Ditch Witch® RT120 Quad**. Its massive undercarriage, superior Quad Track System and three-speed, shift-on-the-fly ground drive combine to handle whatever the jobsite throws at you. And driving everything is a powerful, 121-hp (90-kW) Deutz diesel engine that is Tier 4i compliant, needing only a simple oxidation catalyst for after-treatment. With the RT120 Quad, nothing slows you down.

WE'RE IN THIS TOGETHER.



RT120 QUAD TRACTOR ATTACHMENTS



H1032 PLOWING ATTACHMENT

DIMENSIONS

	U.S.	METRIC
Angle of departure, transport, 30-inch blade	24°	
Attachment length, fully raised, no blade	78 in	1981 mm
Cover depth	42 in	1067 mm
Attachment weight, no blade, no weights	2,480 lb	1125 kg

H1052 PLOWING ATTACHMENT

DIMENSIONS

	U.S.	METRIC
Angle of departure, transport, 30-inch blade	24°	
Attachment length, fully raised, no blades	78 in	1981 mm
Blade ground clearance, 30-inch blade	24 in	610 mm
Cover depth	42 in	1067 mm
Attachment weight w/out boom, chain or plow blade	3,455 lb	1567 kg

H910 CENTERLINE TRENCHER

DIMENSIONS

	U.S.	METRIC
Angle of departure	30°	
Trench depth, max	93 in	2362 mm
Trench width, max	24 in	610 mm
Transport length	120 in	3048 mm
Attachment weight, w/out boom and chain	1,750 lb	794 kg

H911 TRAVERSING TRENCHER

DIMENSIONS

	U.S.	METRIC
Angle of departure	27°	
Trench depth, max	90 in	2286 mm
Trench width, max	24 in	610 mm
Transport length	134.5 in	3416 mm
Attachment weight, w/out boom and chain	2,350 lb	1066 kg

H1140 SAW

DIMENSIONS

	U.S.	METRIC
Angle of departure	23°	
Trench depth	40 in	991 mm
Quantity of cutting teeth on wheel		
4.5-in width	70	
6-in width	80	
9-in width	110	
Transport length, attachment	124 in	3149 mm
Attachment weight	5,900 lb	2676 kg

A920 BACKHOE

DIMENSIONS

	U.S.	METRIC
Transport height	122 in	3099 mm
Ground clearance	33 in	838 mm
Digging depth, max	108 in	2743 mm
Reach from swing pivot	158 in	4013 mm
Bucket width	12-24 in	300-610 mm
Backhoe weight, w/out bucket	3,300 lb	1497 kg
Swing arc	180°	

RC120 REEL CARRIER

DIMENSIONS

	U.S.	METRIC
Distance from backfill blade to outside edge of reel carrier	86 in	2184 mm
Maximum reel diameter	96 in	2438 mm
Internal width	54 in	1372 mm
Capacity	3,000 lb	1360 kg
Attachment weight	1,069 lb	484 kg



RT120 QUAD TRACTOR SPECIFICATIONS

DIMENSIONS

	U.S.	METRIC
Height	117 in	2.97 m
Nose to rear mount length	125 in	3.18 m
Length, transport	166 in	4.22 m
Wheelbase	79 in	2.01 m
Width	89 in	2.26 m
Angle of approach	34°	
Tread	71 in	1.8 m

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
Rated speed	2,300 rpm	
Engine tilt angles, max		
Longitudinal/lateral	30°	
Emissions compliance	EPA Tier 4i	EU Stage IIIb

POWER TRAIN

Ground drive transmission	Hydrostatic	
Differentials	Planetary front and rear with rear steering	
Service brake	Hydrostatic	
Parking brake	Disc, hand operated	
Tracks	450 x 86 x 42, rubber track, chevron pattern	
Attachment drive transmission	Hydrostatic	

OPERATION

Forward speed		
Low	2 mph	3.2 km/h
Medium	4.4 mph	7.1 km/h
High	7.2 mph	11.6 km/h
Reverse speed		
Low	2 mph	3.2 km/h
Medium	4.4 mph	7.1 km/h
High	4.7 mph	7.5 km/h

Vehicle clearance circle (SAE) wall to wall w/backfill blade

Front steer only	39.5 ft	12 m
Coordinated steer	27 ft	8.2 m
Ground clearance	15.5 in	394 mm
Basic unit weight	13,600 lb	6169 kg
Allowable tractor weight, max	26,200 lb	11884 kg
Front counterweight	1,300 lb	590 kg
Side counterweight (each)	250 lb	114 kg

HYDRAULIC SYSTEM @ 2,300 RPM

Ground drive pump capacity	47.4 gpm	179 l/min
Ground drive pump relief pressure	6,200 psi	430 bar
Attachment pump capacity	47.4 gpm	179 l/min
Attachment pump relief pressure	6,200 psi	430 bar
Auxiliary pump capacity	13.8 gpm	52 l/min
Auxiliary pump relief pressure	3,300 psi	227.5 bar

FLUID CAPACITIES

Fuel tank	38 gal	144 L
Engine oil	8.4 qt	8 L
Hydraulic reservoir	20 gal	76 L
Hydraulic system	25 gal	95 L
Cooling system	12.3 qt	11.6 L

BACKFILL BLADE

Blade width	80 in	2.03 m
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	24°	

NOISE LEVELS

Operator	92 dBA sound pressure per ISO 6394
Exterior	109 dBA sound power per ISO 6393

VIBRATIONAL LEVEL

During normal operation, vibration transmitted to the operator's:		
Hand/arm	8.12 m/sec ²	
Whole body	1.44 m/sec ²	
Operator seat complies with ISO 7096		

BATTERY (2 USED)

Group	65
SAE reserve capacity	165 min
SAE cold crank @ 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 necessarily match that shown. See your dealer for counterweighing requirements.



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



ELECTRONICS

Before you dig, you must know what's below. After you call 811 to locate buried telephone, CATV, power, gas, or water lines, there's a Ditch Witch locating system to help you verify the locates. From our lightweight, hand-held units to the exceptionally versatile and accurate UtiliGuard™ locating system, Ditch Witch locating systems help improve your efficiency and, more importantly, your safety.



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.

