

# RT80 QUAD TRACTOR

 **Ditch Witch**<sup>®</sup>

**RIDE-ON**



# RT80 QUAD TRACTOR



1 Standard cruise control helps you maintain optimal performance in many ground conditions.

2 Three-speed, shift-on-the-fly ground drive gives you more options as jobsite conditions change.

3 Electronic potentiometers give you precise control of the ground drive speed and attachments.

4 Removable side panels provide easy access to all engine compartment maintenance points.

5 Turbocharged Deutz® Tier-4 diesel engine with 74 gross hp (55.4 kW) and a compact footprint enable it to do big jobs in small places.

6 Tremendous axle capacity for a best-in-class static load rating of 39,000 lb (17,690 kg) and best-in-class 35,215 lb (13,944 kg) of breakout for plowing applications.

7 Backfill blade arm has the same heavy-duty design as the RT115 Quad, for added strength and durability.

8 The completely Ditch Witch-designed and -manufactured Quad Track System pivots about the centerline of the axle, maximizing ground contact.

9 Innovative chevron-pattern tread puts more power on the ground for maximum productivity.

10 Standard rear steering feature for a tighter turn radius and better maneuverability.



The exceptionally powerful, durable and rugged **RT80 Quad** is completely designed and manufactured by the **Ditch Witch®** organization to provide outstanding traction and performance on rough and uneven terrain. Its three-speed, shift-on-the-fly ground drive—three speeds in forward, three in reverse—provides the power you need, when you need it, to tackle any jobsite. For short drops, long hauls and everything in between, the RT80 Quad is one plow that does it all.

**WE'RE IN THIS TOGETHER.**



# RT80 QUAD TRACTOR ATTACHMENTS



## H810 TRENCHER

### DIMENSIONS

	U.S.	METRIC
Angle of departure	30°	
Trench depth, max	93 in	2.36 m
Trench width, max	24 in	610 mm
Transport length	120 in	3.05 m
Attachment weight	1,750 lb	794 kg

## H813 TRENCHER

### DIMENSIONS

	U.S.	METRIC
Angle of departure	26.6°	
Trench depth, max	58.4 in	1.5 m
Trench width, max	12 in	305 mm
Transport length, fully raised	93.5 in	2.4 m
Attachment weight	2,422 lb	1099 kg

## H832 PLOW

### DIMENSIONS

	U.S.	METRIC
Cover depth	36 in	915 mm
Angle of departure, transport, 24-in (610-mm) blade	25.3°	
Angle of departure, transport, 30-in (760-mm) blade	29.8°	
Attachment length, fully lowered, no blade	96.7 in	2.46 m
Attachment weight, w/out plow blade	2,230 lb	1012 kg

## H853 COMBO

### DIMENSIONS

TRENCHER		
Angle of departure	29°	
Trench width	6-12 in	150-300 mm
Trench depth, max	69 in	1.76 m
Transport length (48-in boom)	92.5 in	2.4 m
Transport height (48-in boom)	106 in	2.7 m
PLOW		
Cover depth	36 in	915 mm
Angle of departure, transport, 24-in (610-mm) blade	25.3°	
Angle of departure, transport, 30-in (760-mm) blade	29.8°	
Attachment length, fully lowered, no blade	96.7 in	2.5 m
Attachment weight, w/out boom, chain or plow blade	3,455 lb	1567 kg

## A820 BACKHOE

### DIMENSIONS

Backhoe length, stowed	57.2 in	1.5 m
Digging depth, max	89 in	2.2 m
Reach from swing pivot	142.2 in	3.6 m
Bucket width	12-18 in	305-460 mm
Backhoe weight w/12-in (305-mm) bucket	2,150 lb	975 kg
Swing arc	170°	
Attachment weight	2,060 lb	934 kg

## RC80 REEL CARRIER

### DIMENSIONS

Reel diameter, max	84 in	2.1 m
Internal width	54 in	1.2 m
Capacity	2,000 lb	907 kg
Attachment weight	1,040 lb	472 kg

# RT80 QUAD TRACTOR SPECIFICATIONS

	U.S.	METRIC
DIMENSIONS		
Height	103 in	2616 mm
Nose to rear mount length	112.3 in	2852 mm
Length, transport	139 in	3530 mm
Wheelbase	63 in	1600 mm
Width	90 in	2286 mm
Angle of approach	31°	
Tread	72 in	1829 mm
Rear axle to attachment mount holes	16.8 in	427 mm

### POWER (TIER 3)

Engine	Deutz® TD2011L04W	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged	
Number of cylinders	4	
Displacement	221 in <sup>3</sup>	3.6 L
Bore	3.78 in	96 mm
Stroke	4.92 in	125 mm
Engine manufacturer's gross power rating (SAE J1995)	83 hp	62 kW
Rated speed	2,600 rpm	
Emissions compliance	EPA Tier 3	EU Stage IIIA

### POWER (TIER 4)

Engine	Deutz TD3.6 L4	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged	
Number of cylinders	4	
Displacement	221 in <sup>3</sup>	3.6 L
Bore	3.86 in	98 mm
Stroke	4.72 in	120 mm
Engine manufacturer's gross power rating (SAE J1995)	74 hp	55.4 kW
Rated speed	2,500 rpm	
Emissions compliance	EPA Tier 4	EU Stage IIIB

### POWER TRAIN

Ground drive transmission	Hydrostatic
Differentials	Planetary front and rear w/standard rear steering
Parking brake	Manual lever disc brake
Tracks	450 x 86 x 36, rubber track, chevron pattern
Attachment drive transmission	Hydrostatic, electric rotary knob, speed infinitely variable from zero to maximum

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.

	U.S.	METRIC
OPERATION		
Forward speed		
Low	1.5 mph	2.4 km/h
Medium	3.3 mph	5.2 km/h
High	4.7 mph	7.5 km/h
Reverse speed		
Low	1.1 mph	1.7 km/h
Medium	2.5 mph	4 km/h
High	2.7 mph	4.3 km/h

Vehicle clearance circle (SAE) wall to wall w/backfill blade		
Front steer only	33.5 ft	10.2 m
Front and rear steer	21.5 ft	6.5 m
Ground clearance	15.3 in	387 mm
Basic unit weight	11,580 lb	5253 kg
Allowable tractor weight, max, 2 post	19,100 lb	8864 kg
Allowable tractor weight, max, 4 post	20,370 lb	9240 kg
Front counterweight (optional)	1,650 lb	750 kg

### HYDRAULIC SYSTEM @ 2,500 RPM

Ground drive pump capacity	35 gpm	132 l/min
Ground drive pump relief pressure		
Forward/reverse	5,500 psi delta	380 bar
Attachment pump capacity	33 gpm	125 l/min
Attachment pump relief pressure		
Forward/reverse	5,500 psi	380 bar
Auxiliary pump capacity		
Front pump	7.1 gpm	27 l/min
Rear pump	6.2 gpm	23 l/min
Auxiliary pump relief pressure	3,000 psi	207 bar

### FLUID CAPACITIES

Fuel tank	30 gal	114 L
Engine oil	8.4 qt	8 L
Hydraulic reservoir	12 gal	45 L
Hydraulic system	19 gal	72 L

### NOISE LEVEL

Operator	89 dBA sound pressure per ISO 6394
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### BACKFILL BLADE

Blade width	80 in	2032 mm
Blade height	14 in	355 mm
Lift height above ground	25.2 in	640 mm
Blade drop below ground	10.9 in	276 mm
Swing angle, max		
Left/right	30°	
Tilt angle		
Up/down	16°	

### ATTACHMENT PUMP RELIEF PRESSURE @ 2,500 RPM

Forward/reverse	5,500 psi	380 bar
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### BATTERY

Group	78U
SAE reserve capacity rating	110 min
SAE cold crank @ 0°F (-18°C)	800 amps
Auxiliary power outlet	12V, 10 amps



**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.

