

# RT80 QUAD TRACTOR

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

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

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

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

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.

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

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

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

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

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.

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

WE'RE IN THIS TOGETHER.

is one plow that does it all.



# RT80 QUAD TRACTOR ATTACHMENTS













Capacity

Attachment weight

	U.S.	METRIC	
H810 TRENCHER			
DIMENSIONS			
Angle of departure	30°		
Trench depth, max	93 in	2.36 mm	
Trench width, max	24 in	610 mm	
Transport length	120 in	3.05 mm	
Attachment weight	1,750 lb	794 kg	
H813 TRENCHER			
DIMENSIONS			
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  Output death	06:	015	
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°	0.46	
Attachment length, fully lowered, no blade  Attachment weight, w/out plow blade	96.7 in 2,230 lb	2.46 mm 1012 kg	
DIMENSIONS TRENCHER	000		
TRENCHER Angle of departure	29°	150 200	
TRENCHER  Angle of departure  Trench width	6-12 in	150-300 mm	
TRENCHER  Angle of departure  Trench width  Trench depth, max	6-12 in 69 in	1.76 m	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)	6-12 in 69 in 92.5 in	1.76 m 2.4 m	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)	6-12 in 69 in	1.76 m	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)	6-12 in 69 in 92.5 in 106 in	1.76 m 2.4 m 2.7 m	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)  PLOW  Cover depth	6-12 in 69 in 92.5 in 106 in	1.76 m 2.4 m	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)  PLOW  Cover depth  Angle of departure, transport, 24-in (610-mm) blade	6-12 in 69 in 92.5 in 106 in 36 in 25.3°	1.76 m 2.4 m 2.7 m	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)  PLOW  Cover depth  Angle of departure, transport, 24-in (610-mm) blade  Angle of departure, transport, 30-in (760-mm) blade	6-12 in 69 in 92.5 in 106 in 36 in 25.3° 29.8°	1.76 m 2.4 m 2.7 m	
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TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)  PLOW  Cover depth  Angle of departure, transport, 24-in (610-mm) blade  Angle of departure, transport, 30-in (760-mm) blade  Attachment length, fully lowerd, no blade  Attachment weight, w/out boom, chain or plow blade  A820 BACKHOE  DIMENSIONS  Backhoe length, stowed	6-12 in 69 in 92.5 in 106 in 36 in 25.3° 29.8° 96.7 in 3,455 lb	1.76 m 2.4 m 2.7 m 915 mm  2.5 m 1567 kg	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)  PLOW  Cover depth  Angle of departure, transport, 24-in (610-mm) blade  Angle of departure, transport, 30-in (760-mm) blade  Attachment length, fully lowerd, no blade  Attachment weight, w/out boom, chain or plow blade  A820 BACKHOE  DIMENSIONS  Backhoe length, stowed  Digging depth, max	6-12 in 69 in 92.5 in 106 in 36 in 25.3° 29.8° 96.7 in 3,455 lb	1.76 m 2.4 m 2.7 m 915 mm  2.5 m 1567 kg	
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TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  Transport height (48-in boom)  PLOW  Cover depth  Angle of departure, transport, 24-in (610-mm) blade  Angle of departure, transport, 30-in (760-mm) blade  Attachment length, fully lowerd, no blade  Attachment weight, w/out boom, chain or plow blade  AR20 BACKHOE  DIMENSIONS  Backhoe length, stowed  Digging depth, max  Reach from swing pivot  Bucket width	6-12 in 69 in 92.5 in 106 in 36 in 25.3° 29.8° 96.7 in 3,455 lb  57.2 in 89 in 142.2 in 12-18 in	1.76 m 2.4 m 2.7 m 915 mm  2.5 m 1567 kg  1.5 m 2.2 m 3.6 m 305-460 mm	
TRENCHER  Angle of departure  Trench width  Trench depth, max  Transport length (48-in boom)  PLOW  Cover depth  Angle of departure, transport, 24-in (610-mm) blade  Angle of departure, transport, 30-in (760-mm) blade  Attachment length, fully lowerd, no blade  Attachment weight, w/out boom, chain or plow blade  AR20 BACKHOE  DIMENSIONS  Backhoe length, stowed  Digging depth, max  Reach from swing pivot  Bucket width  Backhoe weight w/12-in (305-mm) bucket	6-12 in 69 in 92.5 in 106 in 36 in 25.3° 29.8° 96.7 in 3,455 lb  57.2 in 89 in 142.2 in 12-18 in 2,150 lb	1.76 m 2.4 m 2.7 m 915 mm  2.5 m 1567 kg  1.5 m 2.2 m 3.6 m	
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2,000 lb

907 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® TD2011LO4W		
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 in³	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	Hydrostatic	
Differentials	Planetary front and rear w/standard rear steering		
Parking brake	Manual lever disc b	Manual lever disc brake	
Tracks	450 x 86 x 36, rub chevron pattern	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.

OPERATION	U.S.	METRIC
OPERATION Forward speed		
Low	1.5 mph	2.4 km/h
Medium	1.5 mph	
	3.3 mph	5.2 km/h
High	4.7 mph	7.5 km/h
Reverse speed		17. "
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 I/min
Attachment pump relief pressure		
Forward/reverse	5,500 psi	380 bar
Auxiliary pump capacity	· · · · · · · · · · · · · · · · · · ·	
Front pump	7.1 gpm	27 I/min
Rear pump	6.2 gpm	23 I/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	19 gai	72 L
Operator	89 dBA sound pressure per ISO 63	
•	OD abh soulla press	sure per 130 oc
BACKFILL BLADE	00 :-	2022
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	200	
Left/right	30°	
Tilt angle		
Up/down	16°	
ATTACHMENT PUMP RELIEF PRESSURE	2,500 RPM	
Forward/reverse	5,500 psi	380 bar
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.

