

# RT80 QUAD



For short drops, long hauls, and everything in between, the Ditch Witch® RT80 Quad is one plow that does it all. This exceptionally powerful, durable, and rugged machine is completely designed and manufactured by the Ditch Witch organization to provide outstanding traction and performance on rough and uneven terrain. The RT80 Quad's 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 length and type of installation.

## KEY FEATURES

- 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.
- Electronic potentiometers give the operator precise control of the ground drive speed and attachments.
- Three-speed, shift-on-the-fly ground drive is superior to competitors' two-speed ground drives, giving you more options as jobsite conditions and requirements change.
- Backfill blade arm has the same heavy-duty design as the Ditch Witch RT115 Quad, for added strength and durability.
- Whether you're plowing or trenching, standard cruise control helps you maintain optimal performance in many ground conditions.
- The completely Ditch Witch-designed and manufactured Quad Track System pivots about the centerline of the axle, maximizing ground contact and increasing performance.
- Turbocharged Deutz diesel engine with 83 gross hp (62 kW) and a compact footprint enable the RT80 Quad to do big jobs in small places.
- Standard rear steering feature gives the RT80 Quad a tighter turn radius and better maneuverability on tight jobsites, while our innovative chevron-pattern tread puts more power on the ground for maximum productivity.
- Removable side panels add a great new look as well as easy access to all engine compartment maintenance points.

**SPECIFICATIONS**

<b>RT80 QUAD HEAVY-DUTY TRENCHER</b>	<b>U.S.</b>	<b>METRIC</b>		<b>U.S.</b>	<b>METRIC</b>
<b>Angle of Approach</b>	31°		<b>Power Train</b>		
<b>Height</b>	103 in	2616 mm	<b>Ground Drive Transmission</b>	Hydrostatic	
<b>Nose to Rear Mount Length</b>	112.3 in	2852 mm	<b>Differentials</b>	Planetary front and rear with standard rear steering	
<b>Length - Transport</b>	139 in	3530 mm	<b>Parking Brake</b>	Manual Lever Disc Brake	
<b>Wheelbase</b>	63 in	1600 mm	<b>Tracks</b>	450 x 86 x 36, Rubber Track, Chevron Pattern	
<b>Width</b>	89 in	2261 mm	<b>Attachment Drive Transmission</b>	Hydrostatic, electric rotary knob, speed infinitely variable from zero to maximum	
<b>Tread</b>	70 in	1778 mm	<b>Hydraulic System</b>		
<b>Rear Axle to Attachment Mount Holes</b>	16.8 in	427 mm	<b>Ground Drive Pump Capacity @ 2600 rpm</b>	33 gpm	125 lpm
<b>Operation</b>			<b>Ground Drive Pump Relief Pressure @ 2600 rpm</b>	5,500 psi	380 bar
<b>Forward Speeds</b>			<b>Attachment Pump Capacity @ 2600 rpm</b>	33 gpm	125 lpm
<b>Low</b>	1.5 mph	2.4 kph	<b>Attachment Pump Relief Pressure @ 2600 rpm</b>		
<b>Medium</b>	3.3 mph	5.2 kph	<b>Forward</b>	5,500 psi	380 bar
<b>High</b>	4.7 mph	7.5 kph	<b>Reverse</b>	5,500 psi	380 bar
<b>Reverse Speeds</b>			<b>Auxiliary Pump Capacity @ 2600 rpm</b>		
<b>Low</b>	1.1 mph	1.7 kph	<b>Front Pump: Steering</b>	7.5 gpm	28 lpm
<b>Medium</b>	2.5 mph	4.0 kph	<b>Rear Pump: Auxiliary</b>	6.5 gpm	24 lpm
<b>High</b>	2.7 mph	4.3 kph	<b>Auxiliary Pump Relief Pressure @ 2600 rpm</b>	3,000 psi	207 bar
<b>Vehicle Clearance Circle (SAE) Wall-to-Wall with Backfill Blade</b>			<b>Fluid Capacities</b>		
<b>Front Steer Only</b>	33.5 ft	10.2 m	<b>Fuel Tank</b>	30 gal	114 L
<b>Front and Rear Steer</b>	21.5 ft	6.5 m	<b>Engine Oil</b>	16 qt	15 L
<b>Ground Clearance</b>	15.3 in	387 mm	<b>Hydraulic Reservoir</b>	12 gal	45 L
<b>Basic Unit Weight</b>	11,580 lb	5253 kg	<b>Hydraulic System</b>	19 gal	72 L
<b>Maximum Allowable Tractor Weight, 2 Post</b>	19,100 lb	8864 kg	<b>Battery</b>		
<b>Maximum Allowable Tractor Weight, 4 Post</b>	20,370 lb	9240 kg	<b>Group 78U, SAE Res. Cap 110 min., SAE Cold Crank @ 0° F (-18° C), 800 amp</b>		
<b>Front Counterweight (optional)</b>	1,650 lb	750 kg	<b>Auxiliary Power Outlet</b>	12 V, 10 amp	
<b>Backfill Blade</b>			<b>Vibration Level When in Mobile</b>		
<b>Blade Width</b>	80 in	2032 mm	<b>Vibration Transmitted to the Operator's</b>	Hand/Arm	Feet/Seat
<b>Blade Height</b>	14 in	355 mm	<b>During Normal Operation</b>	5.1 m/sec <sup>2</sup>	0.58 m/sec <sup>2</sup>
<b>Lift Height Above Ground</b>	25.2 in	640mm	<b>Operator Seat Per ISO 7096</b>		
<b>Blade Drop Below Ground</b>	10.9 in	276 mm	<b>Noise Levels</b>		
<b>Maximum Swing Angle (left/right)</b>	30°		<b>Operator 89 dBA Sound Pressure per ISO 6394.</b>		
<b>Tilt Angle (up/down)</b>	16°		<b>Exterior 107 dBA Sound Power per ISO 6393.</b>		
<b>Power Plant</b>					
<b>Engine</b>	Deutz TD2011L04W, Diesel				
<b>Cooling Medium</b>	Liquid				
<b>Injection</b>	Direct				
<b>Aspiration</b>	Turbocharged				
<b>Number of Cylinders</b>	4				
<b>Displacement</b>	221 in <sup>3</sup>	3.62 L			
<b>Bore</b>	3.78 in	96 mm			
<b>Stroke</b>	4.92 in	125 mm			
<b>Engine Manufacturer's Gross Power Rating (SAE J1995)</b>	83 hp	62 kW			
<b>Estimated Net Power Rating (SAE J1349)</b>	78 hp	58 kW			
<b>Rated Speed</b>	2,600 rpm				
<b>Emissions Compliance</b>	EPA Tier 3, EU Stage IIIA				

Unless otherwise specified, all figures are for standard equipment only. Specifications are called out according to SAE recommended procedures. Due to selected options, delivered equipment may not necessarily match that described. Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured.