

RT80 QUAD TRACTOR

 **Ditch Witch**[®]

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 | | |
|-----------------------------------------------------|----------|------------|
| | U.S. | METRIC |
| 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

| | U.S. | METRIC |
|----------------------------------------|----------|------------|
| 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

| | U.S. | METRIC |
|--------------------|----------|--------|
| 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 ³ | 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 ³ | 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 |
|----------|------------------------------------|

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 |
|-----------------|-----------|---------|

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.

