

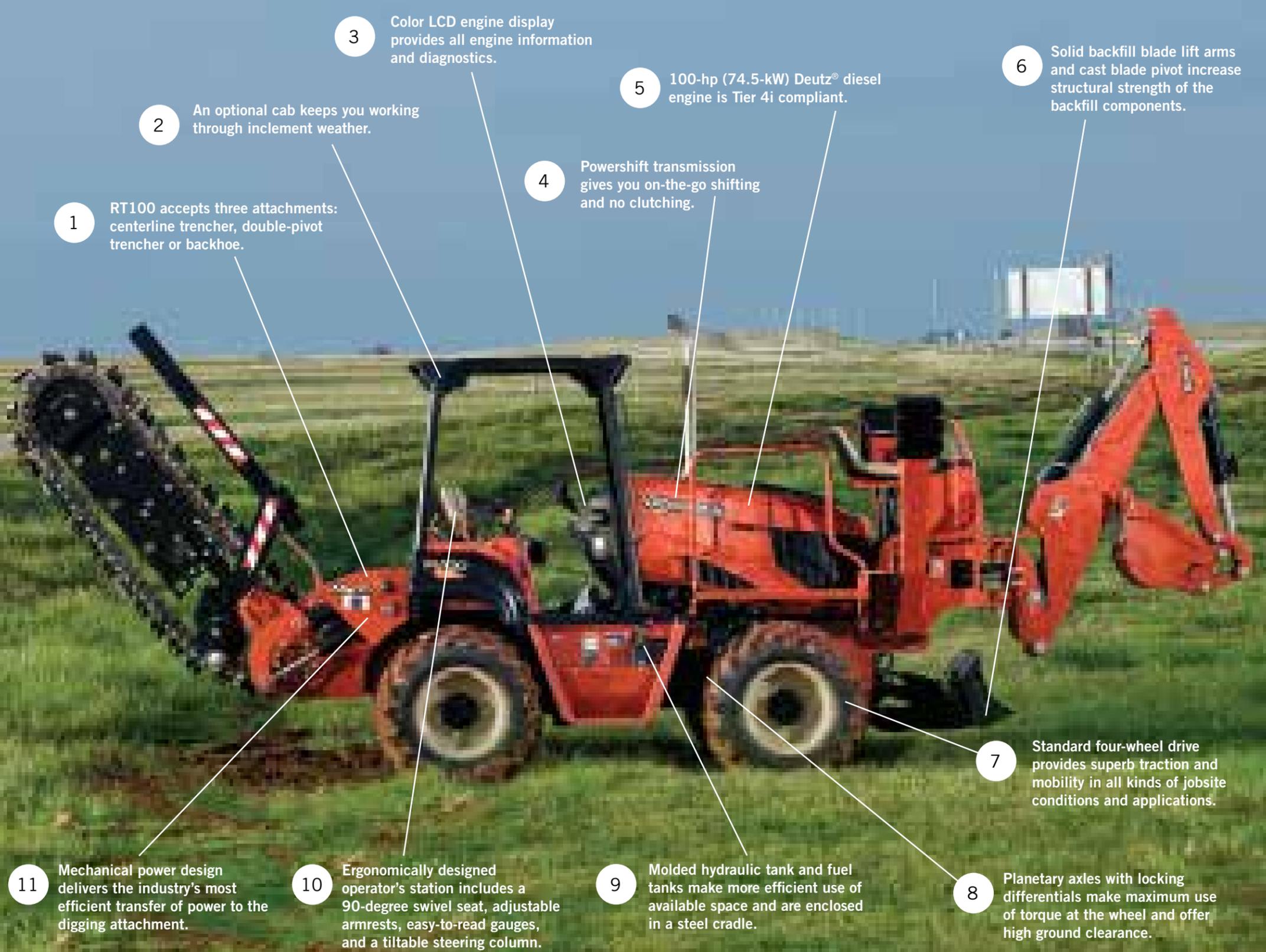
RT100 TRACTOR

 **Ditch Witch**[®]

RIDE-ON



RT100 TRACTOR



1 RT100 accepts three attachments: centerline trencher, double-pivot trencher or backhoe.

2 An optional cab keeps you working through inclement weather.

3 Color LCD engine display provides all engine information and diagnostics.

4 Powershift transmission gives you on-the-go shifting and no clutching.

5 100-hp (74.5-kW) Deutz® diesel engine is Tier 4i compliant.

6 Solid backfill blade lift arms and cast blade pivot increase structural strength of the backfill components.

7 Standard four-wheel drive provides superb traction and mobility in all kinds of jobsite conditions and applications.

8 Planetary axles with locking differentials make maximum use of torque at the wheel and offer high ground clearance.

9 Molded hydraulic tank and fuel tanks make more efficient use of available space and are enclosed in a steel cradle.

10 Ergonomically designed operator's station includes a 90-degree swivel seat, adjustable armrests, easy-to-read gauges, and a tiltable steering column.

11 Mechanical power design delivers the industry's most efficient transfer of power to the digging attachment.

WE'RE IN THIS TOGETHER.



RT100 TRACTOR ATTACHMENTS



M910 TRENCHER

DIMENSIONS, w/38 x 18-20 TIRES

	U.S.	METRIC
Angle of departure	28°	
Trench depth, max	94 in	2.4 m
Trench width, max	24 in	610 mm
Transport length	112 in	2.8 m
Attachment weight	1,750 lb	794 kg

M912 TRENCHER

DIMENSIONS, w/38 x 18-20 TIRES

	U.S.	METRIC
Angle of departure	28°	
Trench depth, max	97 in	2.47 m
Trench width, center position, max	24 in	610 mm
Trench width, offset position, max	12 in	305 mm
Transport length	112 in	2.8 m
Attachment weight, w/out boom and chain	3,600 lb	1633 kg

A920 BACKHOE

DIMENSIONS

	U.S.	METRIC
Transport height	118 in	3 m
Ground clearance	29 in	740 mm
Digging depth, max	112 in	2.8 m
Reach from swing pivot	158 in	4 m
Bucket width	12-24 in	305-610 mm
Backhoe weight w/18-in (686-mm) bucket	3,300 lb	1497 kg
Swing arc	180°	



RT100 TRACTOR SPECIFICATIONS

DIMENSIONS

	U.S.	METRIC
Height	116 in	2.95 m
Nose to rear mount length	135 in	3.4 m
Length, transport	156 in	3.9 m
Wheelbase	78 in	1.98 m
Width	82 in	2.1 m
Angle of approach	23°	
Tread	65 in	1.65 m

POWER PLANT

Engine	Deutz® TCD3.6L4	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged, charge air cooled	
Number of cylinders	4	
Displacement	220 in ³	3.6 L
Bore	3.86 in	98 mm
Stroke	4.72 in	120 mm
Engine manufacturer's gross power rating (SAE J1349)	100 hp	74.5 kW
Rated speed	2,300 rpm	
Emissions compliance	EPA Tier 4i	EU Stage IIIB

POWER TRAIN

Ground drive transmission	Powershift (driving), hydrostatic (digging)	
Differentials	Planetary front and rear w/optional rear steering	
Parking brake	Disc, hand operated	
Tires	30 x 18 - 20 14-ply bar lug floataion; inflate to 45 psi (3.1 bar)	
Attachment drive transmission	Powershift, lever-operated speed infinitely variable from zero to maximum forward with limited stroke reverse	
Emissions compliance (rest of world)	EPA Tier 3	EU Stage IIIa

OPERATION

Forward speed		
Low/low	0.44 mph	0.71 km/h
Low	6.4 mph	9.91 km/h
High	9.5 mph	14.85 km/h
Reverse speed		
Low/low	0.44 mph	0.71 km/h
Low	6 mph	9.65 km/h
High	8.89 mph	14.31 km/h
Vehicle clearance circle (SAE) wall to wall w/backfill blade		
Front steer only	35 ft	11 m
Front and rear steer	21 ft	6 m
Ground clearance	14 in	355 mm
Basic unit weight	8,880 lb	4028 kg
Front counterweight	1,300 lb	590 kg

HYDRAULIC SYSTEM @ 2,300 RPM

	U.S.	METRIC
Ground drive pump capacity	9.7 gpm	36.7 l/min
Ground drive pump relief pressure	4,000 psi	276 bar
Auxiliary pump capacity	13.6 gpm	51.5 l/min
Auxiliary pump relief pressure	2,500 psi	172 bar

FLUID CAPACITIES

Fuel tank	3.8 gal	114 L
Engine oil	8.5 qt	8 L
Hydraulic reservoir	24 gal	91 L
Hydraulic system	29 gal	110 L

NOISE LEVEL

Sound pressure	93 dBA
Sound power	108 dBA

BACKFILL BLADE

Blade width	80 in	2 m
Blade height	18 in	457 mm
Lift height above ground	20 in	508 mm
Blade drop below ground	14 in	356 mm
Swing angle, max, left/right	25°	
Tilt angle, up/down	12°	

BATTERY

Group	34H
SAE reserve capacity rating	120 min

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.



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.

