

# DITCH WITCH® RT45 TRENCHER



## KEY FEATURES

Rental yards and contractors alike appreciate the RT45's quiet, emissions-compliant, 39-hp (29 kW) Deutz engine, designed for minimal maintenance and maximum productivity.

*(Photograph A)* Customize the RT45 to work for you, with your choice of centerline or dual-position trencher, vibratory plow, combination trencher/plow, saw, and backfill blade or backhoe.

Direct-coupled, high-torque digging chain motor directs maximum power to the trencher with maximum reliability.

Ditch Witch trenchers—including the RT45—are the only trenchers in the world that come standard with genuine Ditch Witch chain, teeth, and sprockets; they dig harder and last longer than any other digging system on the market.

High-vibration applications are no problem for the RT45, which can be equipped with optional heavy-duty engine mounts.

*(Photograph B)* Operators will appreciate the easy-to-read gauges, foot pedal, color-coded controls, and highly responsive backfill blade joystick.

The RT45 is easy to maintain, with improved air filtration, a remote engine oil drain for fast, clean service, and all service points easily accessible from one side of the machine.

The Ditch Witch organization supports all of its products—including the RT45—with superior-quality parts, service, and training, all available from your local Ditch Witch dealer.

**SPECIFICATION**

**RT45**

<b>SPECIFICATION</b>	<b>U.S.</b>	<b>METRIC</b>
<b>DIMENSIONS</b>		
ANGLE OF APPROACH	20°	20°
HEIGHT	86 IN	2.19 M
LENGTH, TRANSPORT	155 IN	3.94 M
WHEELBASE	48 IN	1.22 M
WIDTH	64 IN	1.63 M
TREAD	46 IN	1.17 M
HEADSHAFT OVERHANG	24.5 IN	620 MM
<b>OPERATION</b>		
FORWARD SPEED, MAXIMUM	4.3 MPH	6.9 KM/H
REVERSE SPEED, MAXIMUM	2.7 MPH	4.4 KM/H
DIGGING CHAIN SPEED, MAXIMUM @ 2300 RPM	420 FPM	128 M/MIN
HEADSHAFT SPEED, MAXIMUM @ 2300 RPM	210 RPM	210 RPM
VEHICLE CLEARANCE CIRCLE (SAE) WALL TO WALL		
WITH FRONT WHEEL STEER	28 FT	8.5 M
WITH REAR WHEEL STEER	20 FT	6.1 M
GROUND CLEARANCE	7 IN	180 MM
OPERATING WEIGHT (W/ H311, SHORTEST BOOM, 6" CHAIN, AND 175-LB OPERATOR)	4200 LB	1910 KG
<b>BACKFILL BLADE</b>		
BLADE WIDTH	64 IN	1.63 M
BLADE HEIGHT	14 IN	355 MM
LIFT HEIGHT ABOVE GROUND	12 IN	300 MM
BLADE DROP BELOW GROUND	8 IN	200 MM
MAXIMUM SWING ANGLE (LEFT/RIGHT)	28°	28°
TILT ANGLE (UP/DOWN)	11°	11°
<b>POWER</b>		
ENGINE	DEUTZ D2011L3 DIESEL	
COOLING MEDIUM	LIQUID	
INJECTION	DIRECT	
ASPIRATION	NATURAL	
NUMBER OF CYLINDERS	3	
DISPLACEMENT	142 IN <sup>3</sup>	2.3 L
BORE	3.7 IN	94 MM
STROKE	4.41 IN	112 MM
ENGINE MANUFACTURER'S GROSS POWER RATING (SAE J1995)	42.2 HP	31.5 KW
ESTIMATED NET POWER RATING (SAE J1349)	39 HP	29 KW
RATED SPEED	2300 RPM	
EMISSIONS COMPLIANCE	EPA TIER 4i	EU STAGE IIIA
<b>POWER TRAIN</b>		
GROUND DRIVE TRANSMISSION	HYDROSTATIC INFINITELY VARIABLE FROM ZERO TO MAXIMUM	
DIFFERENTIALS	DANA MODEL 44	
SERVICE BRAKE	GROUND DRIVE CONTROL BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL	
PARKING BRAKE	DISC, HAND OPERATED	
TIRES		
STANDARD	26 X 12.00-12 4-PLY BAR LUG; INFLATE TO 20 PSI (1.4 BAR)	
OPTIONAL	29 X 12.50-15 4-PLY BAR LUG; INFLATE TO 30 PSI (2.1 BAR)	
ATTACHMENT DRIVE TRANSMISSION	HYDROSTATIC, LEVER-OPERATED SPEED, INFINITELY VARIABLE FROM ZERO TO MAXIMUM	
<b>HYDRAULIC SYSTEM</b>		
GROUND DRIVE PUMP CAPACITY @ 2300 RPM	29.3 GPM	111 L/MIN
GROUND DRIVE PUMP RELIEF PRESSURE	3750 PSI	258 BAR
ATTACHMENT PUMP CAPACITY @ 2300 RPM	29.3 GPM	111 L/MIN
TRENCHER CHAIN PUMP RELIEF PRESSURE	5000 PSI	345 BAR
PLOW/SAW PUMP RELIEF PRESSURE	3750 PSI	258 BAR
AUXILIARY PUMP CAPACITY @ 2300 RPM	10.2 GPM	39 L/MIN
AUXILIARY PUMP RELIEF PRESSURE	2500 PSI	172 BAR
<b>FLUID CAPACITIES</b>		
FUEL TANK	13 GAL	49 L
ENGINE OIL		
INITIAL FILL	8 QT	7.5 L
REFILL	6 QT	5.5 L
HYDRAULIC RESERVOIR	9.5 GAL	36 L
HYDRAULIC SYSTEM	13 GAL	49 L
<b>BATTERY</b>		
SAE RESERVE CAPACITY RATING	110 MIN	
SAE COLD CRANK RATING @ 0°F (-18°C)	800 AMPS	