



DITCH WITCH RT55, RT45

# RT TRACTORS



TAKING DOWN THE COMPETITION ONE TRENCH AT A TIME.





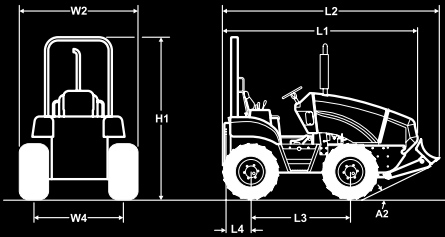
RT55

55

## DITCH WITCH RT55 Tractor

Our rugged line of RT tractors gives you the punch you need to dig through some of the toughest—and tightest—landscapes. The RT55, with 60 horses (44.7 kW) under the hood, is a powerful machine that can work efficiently and inconspicuously even in the most sensitive urban settings. And with its multiple attachments, this mighty little beast can do just about anything you ask it to.





## SPECIFICATIONS

### DIMENSIONS

	U.S.	METRIC
Length	114 in	2.90 m
Height	95.2 in	2.42 m
Width	71 in	1.80 m



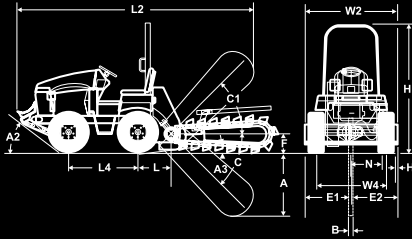
## KEY FEATURES

- Integrated front cast weight reduces the need for extended weight racks, no matter which attachment is used.
- Quiet, emissions-compliant Deutz engine is built for maximum power and minimal maintenance.
- Operator's station features easy-to-read gauge cluster, 90° swivel seat, sloped hood design, and optional cruise control system.
- Two-piece hood design allows easy access to engine compartment for service and daily maintenance.
- Heavy-duty frame, ground drive components, and backfill blade assembly ensure maximum durability and reliability.
- Planetary axles provide greater torque at the wheel and higher ground clearance.
- Attachments include a traversing trencher, vibratory plow, combination trencher/plow, traversing saw, backhoe, and reel carrier.

## DITCH WITCH RT45 Tractor

There's an easy way to remember the ideal machine for trenching 4- to 5-foot trenches: the Ditch Witch® RT45. With its direct-coupled, high-torque digging chain motor and emissions-compliant engine, the RT45 has plenty of power to muscle through the soil while you enjoy its roomy, comfortable operator's station. Like all Ditch Witch trenchers, the RT45 is easy to use, easy to maintain, and built for years of reliable productivity.





## SPECIFICATIONS

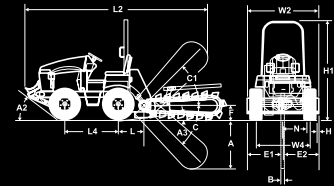
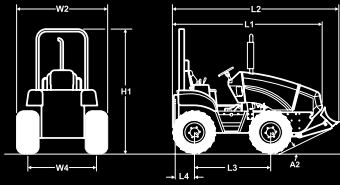
### DIMENSIONS

	U.S.	METRIC
Length	155 in	3.94 m
Height	86 in	2.18 m
Width	64 in	1.63 m



## KEY FEATURES

- User-friendly operation, with easy-to-read gauges and color-coded controls; the backfill blade is controlled by a highly responsive joystick.
- Direct-coupled, high-torque digging chain motor designed for increased production and reliability.
- Quiet, emissions-compliant engine is designed for minimal maintenance and maximum operator productivity and comfort.
- Advanced air-filtration system is designed to improve engine performance; air filter elements are easy to access and replace.
- Outstanding versatility: attachments include a centerline or dual-position trencher, vibratory plow, rotary saw, combination trencher/plow, and backhoe.
- Advanced operator presence system designed to promote safety by stopping the engine after operator leaves the seat.
- Engine service points are easily accessible from one side of the trenching machine; easy-access remote engine oil drain for fast, clean service.
- Optional heavy-duty engine mount for high-vibration applications.
- Easy-to-use foot pedal controls infinitely variable ground drive forward and reverse.
- Ditch Witch trenchers, including the RT45, are the only trenchers 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.

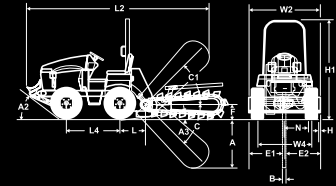
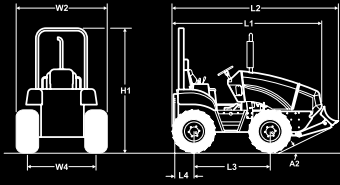


## SPECIFICATIONS

## RT55

## RT45

DIMENSIONS	U.S.	METRIC	U.S.	METRIC
	WITH 31 X 15.50-15 TIRE		26 X 12.00-12 WITH H313 TRENCHER	
A TRENCH DEPTH, MAX.	62 IN	1.58 M	63 IN	1.6 M
A2 ANGLE OF APPROACH	20°		20°	
A3 ANGLE OF DEPARTURE	25°		17°	
B TRENCH WIDTH, MIN. TO MAX.	6-12 IN	150-300 MM	6-12 IN	150-300 MM
C BOOM ANGLE, DOWN	55°		58°	
C1 BOOM ANGLE, UP	51°		50°	
CENTERLINE OF TRENCH TO OUTSIDE EDGE				
E1 LEFT, MIN.	23.5 IN	597 MM	35 IN	890 MM
E2 RIGHT, MIN.	9 IN	229 MM	29 IN	740 MM
F HEADSHAFT HEIGHT, DIGGING CHAIN	29 IN	737 MM	17 IN	430 MM
H1 HEIGHT	95.2 IN	2.42 M	86 IN	2.18 M
L HEADSHAFT OVERHANG	42 IN	1.07 M	24.5 IN	620 MM
L1 LENGTH, NOSE TO REAR MOUNT	114 IN	2.9 M	N/A	
L2 LENGTH, TRANSPORT	128 IN	3.25 M	155 IN	3.94 M
L3 WHEELBASE	60 IN	1.52 M	48 IN	1.22 M
N SPOIL DISCHARGE REACH, MIN. TO MAX.	17-30 IN	430-760 MM	17-20 IN	430-510 MM
W2 WIDTH	71 IN	1.8 M	64 IN	1.63 M
W4 TREAD	55 IN	1.4 M	46 IN	1.17 M
GROUND CLEARANCE	10 IN	254 MM	7 IN	180 MM
L4 REAR AXLE, CENTER TO REAR ATTACHMENT MOUNTING HOLES	14.7 IN	373 MM	N/A	
<b>OPERATION*</b>				
FORWARD SPEED, MAX.			4.3 MPH	6.9 KM/H
LOW/1ST	1.7 MPH	2.7 KM/H	N/A	
HIGH/2ND	5.5 MPH	8.9 KM/H	N/A	
REVERSE SPEED, MAX.			2.7 MPH	4.4 KM/H
LOW	1.1 MPH	1.8 KM/H	N/A	
HIGH	3.4 MPH	5.5 KM/H	N/A	
VEHICLE CLEARANCE CIRCLE (SAE)				
FRONT STEER ONLY	33.5 FT	10.21 M	28 FT	8.53 M
COORDINATED STEER	21.5 FT	6.55 M	20 FT	6.1 M
BASIC UNIT WEIGHT	5610 LB	2545 KG	4200 LB	1910 KG
FRONT COUNTERWEIGHT	1915 LB	869 KG	N/A	
DIGGING CHAIN SPEED, MAX.	764 FPM	232.87 M/MIN	420 FPM	128 M/MIN
<b>BACKFILL BLADE</b>				
BLADE WIDTH	72 IN	1.83 M	64 IN	1.63 M
BLADE HEIGHT	14 IN	356 MM	14 IN	355 MM
LIFT HEIGHT, ABOVE GROUND	19 IN	483 MM	12 IN	300 MM
BLADE DROP, BELOW GROUND	12 IN	305 MM	8 IN	200 MM
MAXIMUM SWING ANGLE, LEFT/RIGHT	30°		28°	
TILT ANGLE, UP/DOWN	16°		11°	



## SPECIFICATIONS

## RT55

## RT45

	U.S.	METRIC	U.S.	METRIC
<b>POWER</b>				
ENGINE	DEUTZ F4M2011		DEUTZ D2011L3I	
FUEL		DIESEL		DIESEL
COOLING MEDIUM	LIQUID		OIL	
INJECTION	DIRECT		DIRECT	
ASPIRATION	NATURAL		NATURAL	
NUMBER OF CYLINDERS	4		3	
DISPLACEMENT	189 IN <sup>3</sup>	3.1 L	142 IN <sup>3</sup>	2.3 L
BORE		3.7 IN	94 MM	3.7 IN 94 MM
STROKE	4.4 IN	112 MM	4.4 IN	112 MM
MANUFACTURER'S GROSS POWER RATING (SAE J1995)	60 HP	45 KW	42.2 HP	31.5 KW
ESTIMATED NET POWER RATING (SAE J1349)	57 HP	42 KW	39 HP	29 KW
RATED SPEED	2600 RPM		2300 RPM	
EMISSIONS COMPLIANCE	EPA TIER 2, CARB TIER 4I	EU STAGE II	EPA TIER 4I	EU STAGE IIIA
<b>POWER TRAIN</b>				
GROUND DRIVE TRANSMISSION	HYDROSTATIC DRIVE, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, FOOT-PEDAL AND HAND-LEVER OPERATED SPEED/DIRECTION CONTROL		HYDROSTATIC DRIVE, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, FOOT-PEDAL AND HAND-LEVER OPERATED SPEED/DIRECTION CONTROL	
DIFFERENTIALS	PLANETARY FRONT AND REAR WITH OPTIONAL REAR STEERING		DANA MODEL 44, LIMITED SLIP (OPTIONAL); DANA MODEL 60, LIMITED SLIP (OPTIONAL)	
PARKING BRAKE	SPRING-APPLIED, PRESSURE-RELEASED		DISC, HAND-OPERATED	
SERVICE BRAKE	GROUND DRIVE SPEED/DIRECTION CONTROL BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION		GROUND DRIVE SPEED/DIRECTION CONTROL BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION	
ATTACHMENT DRIVE TRANSMISSION	HYDROSTATIC, LEVER-OPERATED, SPEED INFINITELY VARIABLE FROM ZERO TO MAXIMUM		HYDROSTATIC, LEVER-OPERATED, SPEED INFINITELY VARIABLE FROM ZERO TO MAXIMUM FORWARD WITH LIMITED STROKE REVERSE	
TRENCHER DRIVE TRANSMISSION	HYDROSTATIC		HYDROSTATIC	
<b>TIRES/PRESSURE</b>				
35 X 19.00-16, 12-PLY BAR LUG	55 PSI	379 KPA	N/A	
31 X 15.50-15, 8-PLY BAR LUG	40 PSI	276 KPA	N/A	
29 X 12.50-15, 4-PLY BAR LUG (OPTIONAL)	N/A		30 PSI	207 KPA
26 X 12.00-12, 4-PLY BAR LUG	N/A		20 PSI	138 KPA
<b>HYDRAULIC SYSTEM</b>	<b>@2600 RPM</b>		<b>@2300 RPM</b>	
GROUND DRIVE PUMP CAPACITY	32 GPM	121 L/MIN	29.3 GPM	111 L/MIN
GROUND DRIVE PUMP RELIEF PRESSURE	5000 PSI	345 BAR	3750 PSI	258 BAR
ATTACHMENT DRIVE, TRENCHER	5450 PSI	376 BAR	5000 PSI	345 BAR
ATTACHMENT DRIVE, PLOW/SAW	5450 PSI	376 BAR	3750 PSI	259 BAR
ATTACHMENT PUMP CAPACITY	32 GPM	121 L/MIN	29.3 GPM	111 L/MIN
AUXILIARY PUMP CAPACITY	8/6 GPM	30/23 L/MIN	10.2 GPM	39 L/MIN
AUXILIARY PUMP RELIEF PRESSURE	3000 PSI	207 BAR	2500 PSI	172 BAR
<b>FLUID CAPACITIES</b>				
FUEL TANK	19.5 GAL	74 L	13 GAL	49 L
ENGINE OIL	16 QT	15 L	8 QT	7.6 L
HYDRAULIC SYSTEM	20 GAL	76 L	13 GAL	49 L
HYDRAULIC RESERVOIR	12 GAL	45 L	9.5 GAL	36 L
<b>BATTERY</b>				
GROUP	78U		26/26R/70	
SAE RESERVE CAPACITY RATING	110 MIN		110 MIN	
SAE COLD CRANK RATING @ 0° F (-18° C)	800 AMPS		800 AMPS	
AUXILIARY POWER OUTLET	12V, 10 A		12V, 5 A	

# RT55 SERIES ATTACHMENTS

## A523 BACKHOE

DIMENSIONS	U.S.	METRIC
BACKHOE LENGTH, STOWED	57.2 IN	1.45 M
DIGGING DEPTH, MAX.	94.5 IN	2.4 M
REACH FROM SWING PIVOT	142.2 IN	3.61 M
<b>GENERAL</b>		
BUCKET WIDTH	12-18 IN	305-460 MM
BACKHOE WEIGHT WITHOUT BUCKET	2150 LB	975 KG
SWING ARC	170°	

## H533 PLOW<sup>2</sup>

DIMENSIONS	U.S.	METRIC
ANGLE OF DEPARTURE, TRANSPORT, 24-IN (610 MM) BLADE	23°	
ATTACHMENT LENGTH, PLOW IN STOW LOCK, NO BLADE	62 IN	1.57 M
COVER DEPTH <sup>1</sup>	30 IN	762 MM

## RC55 CARRIER<sup>2</sup>

DIMENSIONS	U.S.	METRIC
REEL DIAMETER, MAX.	60 IN	1.52 M
INTERNAL WIDTH	46 IN	1.17 M
CAPACITY	1500 LB	680 KG
ATTACHMENT WEIGHT	600 LB	270 KG

## H540 SAW<sup>2</sup>

DIMENSIONS	U.S.	METRIC
TRENCH DEPTH, MAX.	26 IN	660 MM
ANGLE OF DEPARTURE	20°	
OVERALL LENGTH, TRANSPORT	214 IN	5.44 M
NUMBER OF TEETH		
5-IN (130 MM) WIDTH	39	
6-IN (150 MM) WIDTH	45	
7-IN (180 MM) WIDTH	51	
ATTACHMENT WEIGHT	2620 LB	1188 KG

## H553 COMBO<sup>2</sup>

DIMENSIONS	U.S.	METRIC
TRENCH WIDTH	6-12 IN	150-305 MM
TRANSPORT LENGTH	102 IN	2.59 M
ANGLE OF DEPARTURE	25°	
ATTACHMENT LENGTH	102 IN	2.6 M
COVER DEPTH <sup>1</sup>	30 IN	762 MM
<b>GENERAL</b>		
OPERATING WEIGHT WITHOUT BOOM, CHAIN, OR PLOW BLADE	2159 LB	960 KG

## H516 TRENCHER

DIMENSIONS	U.S.	METRIC
TRENCH DEPTH, MAX.	62 IN	1.57 M
TRENCH WIDTH, MIN. TO MAX.	6-12 IN	150-305 MM
TRANSPORT LENGTH	102 IN	2.6 M
ANGLE OF DEPARTURE	25°	
ATTACHMENT WEIGHT WITH 4-FT (1.2 M) ROLLER BOOM AND 70-K CHAIN	1950 LB	885 KG

<sup>1</sup>SUGGESTED MAXIMUM. PLOW BLADE USED WILL BE DETERMINED BY JOB REQUIREMENTS AND SOIL CONDITIONS. <sup>2</sup>SEE YOUR DITCH WITCH® DEALER FOR COUNTERWEIGHTING REQUIREMENTS. <sup>3</sup>DIMENSIONS ARE BASED ON SHORTEST ROLLER BOOM, 26 X 12.00-12 STANDARD TIRE AND WHEEL, AND 12-IN (305-MM) PIVOT. <sup>4</sup>DIMENSIONS ARE BASED ON SHORTEST ROLLER BOOM, 26 X 12.00-12 STANDARD TIRE AND WHEEL.

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.

# RT45 SERIES ATTACHMENTS

## A322 BACKHOE

DIMENSIONS	U.S.	METRIC
BACKHOE LENGTH, STOWED	60 IN	1.52 M
DIGGING DEPTH, MAX.	72 IN	1.83 M
REACH FROM SWING PIVOT	102 IN	2.59 M
<b>GENERAL</b>		
BUCKET WIDTH	12 IN	305 MM
BUCKET CAPACITY	1.1 FT <sup>3</sup>	0.03 M <sup>3</sup>
BACKHOE WEIGHT WITH BUCKET	1125 LB	511 KG
SWING ARC	160°	

## H342 SAW<sup>2</sup>

DIMENSIONS	U.S.	METRIC
TRENCH DEPTH, MAX.	18 IN	455 MM
ANGLE OF DEPARTURE	14°	
OVERALL LENGTH, TRANSPORT	162 IN	4.11 M
NUMBER OF TEETH ON SAW WHEEL	36	
<b>ATTACHMENT WEIGHT</b>		
2.5-IN (65 MM) SEGMENTS	1550 LB	700 KG
3.5-IN (90 MM) SEGMENTS	1610 LB	730 KG
5-IN (130 MM) SEGMENTS	1660 LB	755 KG

## H350 COMBO<sup>2</sup>

DIMENSIONS <sup>4</sup>	U.S.	METRIC
TRENCH DEPTH, MAX.	42 IN	1.07 M
ANGLE OF DEPARTURE	33°	
TRENCH WIDTH, MIN. TO MAX.	6-8 IN	150-200 MM
<b>PLOW DIMENSIONS</b>		
ANGLE OF DEPARTURE, TRANSPORT, 18-IN (457 MM) BLADE	26°	
COVER DEPTH <sup>5</sup>	24 IN	610 MM
<b>GENERAL</b>		
OPERATING WEIGHT, WITHOUT AUGERS, BOOM, CHAIN, AND PLOW BLADE	1500 LB	680 KG

## H313 TRENCHER

DIMENSIONS <sup>3</sup>	U.S.	METRIC
TRENCH DEPTH, MAX.	63 IN	1.6 M
ANGLE OF DEPARTURE	17°	
TRENCH WIDTH, MIN. TO MAX.	6-12 IN	150-305 MM
ATTACHMENT WEIGHT	610 LB	277 KG

## H331 PLOW

DIMENSIONS	U.S.	METRIC
COVER DEPTH, FEED BLADE, MAX.	24 IN	610 MM
ANGLE OF DEPARTURE	22°	
TRANSPORT LENGTH, PLOW WITH BLADE	169 IN	4.29 M

## H314 TRENCHER

DIMENSIONS <sup>3</sup>	U.S.	METRIC
TRENCH DEPTH, MAX.	52 IN	1.32 M
ANGLE OF DEPARTURE	35°	
TRENCH WIDTH, MIN. TO MAX.		
CENTER	6-12 IN	150-305 MM
OFFSET	6-8 IN	150-200 MM
ATTACHMENT WEIGHT	570 LB	260 KG



THE CHARLES MACHINE WORKS, INC. DITCH WITCH WORLDWIDE HEADQUARTERS PERRY, OK 73077-0066 U.S.A.

TOLL FREE 800 654 6481 PHONE 580 336 4402 FAX 580 336 3458 INTERNATIONAL FAX 580 572 3561

FOR INFORMATION ABOUT EASY FINANCING WITH A DITCH WITCH PLATINUM PLUS ACCOUNT

AND TO FIND THE DEALER NEAREST YOU, VISIT [DITCHWITCH.COM](http://DITCHWITCH.COM).

GROUNDBREAKING™ EQUIPMENT FROM THE COMPANY THAT LAUNCHED THE INDUSTRY

COMPACT UTILITY | TRENCHERS | HDD | ELECTRONICS



Know what's below.  
Call before you dig.

CERTIFIED QUALITY  
MANAGEMENT SYSTEM  
ISO 9001:2000

LFCMWC190401-0510-01