



DITCH WITCH RT55, RT40, RT36

# RT TRACTORS



MAKING SHOVELS OBSOLETE SINCE 1949. **DITCH WITCH.**





55

RT55

## 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.





## 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.

## DETAILS

Operator's station features easy-to-read gauge cluster, 90° swivel seat, high-visibility 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 RT40 TRACTOR

This 40-horse (29.8 kW) member of the RT tractor line offers the same rugged reliability as the RT55 in a smaller, more flexible package. The RT40 is equipped with a composite hood, an easy-to-read instrument panel and two-wheel power steering, making this tractor very popular with operators. And like every Ditch Witch® machine, it is built to last.





## KEY FEATURES

User-friendly operation, with speed/direction and attachment controls grouped together and the backfill blade controlled by a highly responsive joystick.

Engine service points easily accessible from one side of the machine; easy-access remote engine oil drain for fast, clean service.

## DETAILS

Quiet, emissions-compliant, 39 net horsepower (29 kW) Deutz engine is designed for minimal maintenance and maximum operator productivity and comfort.

Designed to run multiple attachments, including centerline or dual-position trencher, vibratory plow, combination trencher/plow, and backhoe.

Direct-coupled, high-torque digging chain motor designed for increased production and reliability.

Easy-to-use foot pedal controls infinitely variable ground drive forward and reverse.

One-piece molded instrument console designed to provide ample legroom and greater visibility.

# DITCH WITCH RT36 TRACTOR

The RT36 is the emissions-compliant engine upgrade of the Ditch Witch® 3610 trencher. Like its bigger cousins, the RT36 has intuitive controls, automotive-style steering and a maintenance-free mechanical drive.



## DETAILS

Quiet, high-efficiency engine features improved filtration and cleaner emissions; designed to operate twice as long between oil changes.

Multiple capabilities with one machine; options include four- or six-way backfill blades and a center-mount utility backhoe.

Speed/direction and attachment controls grouped together; backfill blade controlled by highly responsive joystick.

Easily accessible routine maintenance and service points.

Additional grab handles at the console provide easier access to operator's area.

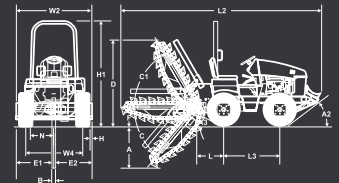
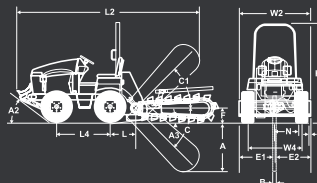
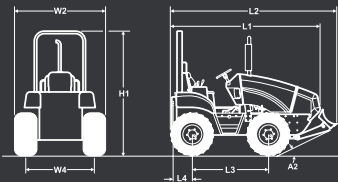
Improved throttle linkage requires minimal operator effort.

## KEY FEATURES

Advanced hydraulics: during trenching, ground drive is hydraulic; digging and ground drives adjust independently, for quick adaptation to different soils.

Maintenance-free mechanical drive; enclosed, oil-filled gearbox reduces wear on drive components and allows smooth, easy shifting between ground and digging drives.





## SPECIFICATIONS

## RT55

## RT40

## RT36

	U.S. WITH 31 X 15.50-15 TIRE	METRIC	U.S. 26 X 12.00-12 WITH H313 TRENCHER	METRIC	U.S 26 X 12.00-12 WITH 39" BOOM	METRIC
<b>DIMENSIONS*</b>						
A TRENCH DEPTH, MAXIMUM	62 IN	1.58 M	63 IN	1.60 M	60 IN	1.52 M
A2 ANGLE OF APPROACH	20°	20°	20°	20°	20°	20°
A3 ANGLE OF DEPARTURE	N/A	N/A	17°	17°	17°	17°
B TRENCH WIDTH, MIN. TO MAX.	6-12 IN	150-300 MM	6-12 IN	150-300 MM	16 IN	410 MM
C BOOM ANGLE, DOWN	55°	55°	58°	58°	57°	57°
C1 BOOM ANGLE, UP	51°	51°	50°	50°	32°	32°
CENTERLINE OF TRENCH TO OUTSIDE EDGE						
E1 LEFT, MIN.	23.5 IN	597 MM	35 IN	890 MM	31 IN	790 MM
E2 RIGHT, MIN.	9 IN	229 MM	29 IN	740 MM	32 IN	813 MM
F HEADSHAFT HEIGHT, DIGGING CHAIN	29 IN	737 MM	17 IN	430 MM	15 IN	380 MM
H OVERHANG, BEYOND TIRE	N/A	N/A	3.5 IN	90 MM	3.5 IN	90 MM
H1 HEIGHT	95.2 IN	2.42 M	86 IN	2.18 M	86 IN	2.18 M
L HEADSHAFT OVERHANG	42 IN	1.07 M	24.5 IN	620 MM	22 IN	560 MM
L1 LENGTH, NOSE TO REAR MOUNT	114 IN	2.90 M	N/A	N/A	N/A	N/A
L2 LENGTH, TRANSPORT	128 IN	3.25 M	155 IN	3.94 M	154 IN	3.91 M
L3 WHEELBASE	60 IN	1.52 M	48 IN	1.22 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	17-20 IN	430-510 MM
W2 WIDTH	71 IN	1.80 M	64 IN	1.63 M	64 IN	1.63 M
W4 TREAD	55 IN	1.40 M	46 IN	1.17 M	46 IN	1.17 M
GROUND CLEARANCE	10 IN	254 MM	7 IN	180 MM	6.75 IN	171 MM
L4 REAR AXLE, CENTER TO REAR ATTACHMENT MOUNTING HOLES	14.7 IN	373 MM	N/A	N/A	N/A	N/A
<b>OPERATION**</b>						
MAXIMUM FORWARD SPEED			4.3 MPH	6.9 KM/H		
LOW/1ST	1.7 MPH	2.7 KM/H	N/A	N/A	2.3 MPH	3.7 KM/H
HIGH/2ND	5.5 MPH	8.9 KM/H	N/A	N/A	3.9 MPH	6.3 KM/H
3RD GEAR	N/A	N/A	N/A	N/A	7.3 MPH	11.7 KM/H
MAXIMUM REVERSE SPEED			2.7 MPH	4.4 KM/H	1.9 MPH	3.0 KM/H
LOW	1.1 MPH	1.8 KM/H	N/A	N/A	N/A	N/A
HIGH	3.4 MPH	5.5 KM/H	N/A	N/A	N/A	N/A
MAXIMUM TRENCHING SPEED, @ FULL LOAD (VARIES WITH SOIL CONDITIONS)	150 FPM	45.72 M/MIN	150 FPM	45.72 M/MIN	31 FPM	9.45 M/MIN
VEHICLE CLEARANCE CIRCLE (SAE)						
FRONT STEER ONLY	33.5 FT	10.21 M	28 FT	8.53 M	27 FT	8.23 M
COORDINATED STEER	21.5 FT	6.55 M	20 FT	6.10 M	N/A	N/A
BASIC UNIT WEIGHT	5610 LB	2545 KG	4200 LB	1910 KG	3940 LB	1785 KG
FRONT COUNTERWEIGHT	1915 LB	869 KG	***	***	***	***
MAXIMUM DIGGING CHAIN SPEED	764 FPM	232.87 M/MIN	420 FPM	128.02 M/MIN	N/A	N/A
1ST GEAR	N/A	N/A	N/A	N/A	203 FPM	61.87 M/MIN
2ND GEAR	N/A	N/A	N/A	N/A	324 FPM	98.76 M/MIN
3RD GEAR	N/A	N/A	N/A	N/A	528 FPM	160.93 M/MIN
REVERSE	N/A	N/A	N/A	N/A	150 FPM	45.72 M/MIN
<b>BACKFILL BLADE*</b>						
BLADE WIDTH	72 IN	1.83 M	64 IN	1.63 M	64 IN	1.63 M
BLADE HEIGHT	14 IN	356 MM	14 IN	356 MM	14 IN	353 MM
LIFT HEIGHT, ABOVE GROUND	17 IN	430 MM	12 IN	300 MM	12 IN	290 MM
BLADE DROP, BELOW GROUND	13 IN	330 MM	8 IN	200 MM	8 IN	200 MM
MAXIMUM SWING ANGLE, LEFT/RIGHT	30°	30°	28°	28°	28°	28°
TILT ANGLE, UP/DOWN	16°	16°	11°	11°	11°	11°

\*RT40 DIMENSIONS ARE BASED ON 64-IN (1.63 M) BACKFILL BLADE, H313 ATTACHMENT WITH 36-IN (914 MM) ROLLER BOOM AND 12-IN (305 MM) PIVOT, AND 26 X 12.00-12 TIRES. RT36 DIMENSIONS ARE BASED ON 39-IN (991 MM) ROLLER BOOM AND 26 X 12.00-12 TIRES, UNLESS OTHERWISE NOTED. SEE ATTACHMENT SPECIFICATIONS FOR RT55 DIMENSIONS. \*\*BASED ON SHORTEST BOOM WITH 6-IN (152 MM) WIDE, 4-PITCH CHAIN AND 175-LB (79 KG) OPERATOR. \*\*\*SEE YOUR DITCH WITCH DEALER FOR COUNTERWEIGHTING REQUIREMENTS.

# SPECIFICATIONS

# RT55

# RT40

# RT36

	U.S.	METRIC	U.S.	METRIC	U.S.	METRIC
<b>POWER</b>						
ENGINE	DEUTZ F4M2011		DEUTZ F3M2011		DEUTZ F3L2011	
FUEL	DIESEL		DIESEL		DIESEL	
COOLING MEDIUM	OIL/EXTERNAL		OIL/EXTERNAL		OIL/INTEGRATED	
INJECTION	DIRECT		DIRECT		DIRECT	
ASPIRATION	NATURAL		NATURAL		NATURAL	
NUMBER OF CYLINDERS	4		3		3	
DISPLACEMENT	189 IN <sup>3</sup>	3.1 L	142 IN <sup>3</sup>	2.3 L	142 IN <sup>3</sup>	2.3 L
BORE	3.7 IN	94 MM	3.7 IN	94 MM	3.7 IN	94 MM
STROKE	4.4 IN	112 MM	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	35 HP	26 KW
ESTIMATED NET POWER RATING (SAE J1349)	57 HP	42 KW	39 HP	29 KW	35 HP	26 KW
RATED SPEED	2600 RPM	2600 RPM	2300 RPM	2300 RPM	2500 RPM	2500 RPM
<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		MECHANICAL: THREE SPEEDS FORWARD, 1 REVERSE WITH ENCLOSED REDUCTION TO AXLES	
DIFFERENTIALS	PLANETARY FRONT AND REAR WITH OPTIONAL REAR STEERING		DANA MODEL 44, LIMITED SLIP; OPTIONAL DANA MODEL 60, LIMITED SLIP		DANA 44, LIMITED SLIP (OPTIONAL); DANA 60, LIMITED SLIP (OPTIONAL)	
PARKING BRAKE	SPRING-APPLIED, PRESSURE-RELEASED		DISC, HAND-OPERATED		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		FOOT-OPERATED	
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		THREE SPEEDS FORWARD, 1 REVERSE, THROUGH SHOCK-ABSORBING CLUTCH BELT DRIVE TO RIGHT-ANGLE DRIVE TO HEADSHAFT	
CLUTCH	N/A		N/A		AUTOMOTIVE SPRING-LOADED, FOOT-OPERATED FRICTION DRIVE	
<b>TIRES/PRESSURE</b>	<b>31 X 15.50-15, 8-PLY BAR LUG</b>		<b>26 X 12.00-12, 4-PLY BAR LUG</b>		<b>26 X 12.00-12, 4-PLY BAR LUG</b>	
	40 PSI	276 KPA	20 PSI	138 KPA	20 PSI	138 KPA
	<b>35 X 19.00-16, 12-PLY BAR LUG</b>		<b>29 X 12.50-15, 4-PLY BAR LUG</b>		<b>29 X 12.50-15, 4-PLY BAR LUG</b>	
	55 PSI	379 KPA	30 PSI	207 KPA	30 PSI	207 KPA
<b>HYDRAULIC SYSTEM</b>	<b>@2600 RPM</b>		<b>@2300 RPM</b>		<b>@2500 RPM</b>	
GROUND DRIVE PUMP CAPACITY	32 GPM	121 L/MIN	29.3 GPM	111 L/MIN	9 GPM	34 L/MIN
GROUND DRIVE PUMP RELIEF PRESSURE	5000 PSI	345 BAR	3750 PSI	258 BAR	2500 PSI	172 BAR
ATTACHMENT DRIVE, TRENCHER	5450 PSI	376 BAR	5000 PSI	345 BAR	N/A	N/A
ATTACHMENT DRIVE, PLOW/SAW	5450 PSI	376 BAR	3750 PSI	259 BAR	N/A	N/A
ATTACHMENT PUMP CAPACITY	32 GPM	121 L/MIN	29.3 GPM	111 L/MIN	N/A	N/A
AUXILIARY PUMP CAPACITY	8/6 GPM	30/23 L/MIN	10.2 GPM	39 L/MIN	N/A	N/A
AUXILIARY PUMP RELIEF PRESSURE	3000 PSI	207 BAR	2500 PSI	172 BAR	N/A	N/A
FILTRATION	N/A	N/A	25 PSI (1.7 BAR) RETURN/CHARGE PUMP; 15 PSI (1 BAR) BYPASS, 10 MICRON NOMINAL		15 PSI BYPASS; 36 MICRON AT 98.7% EFFICIENCY	
<b>FLUID CAPACITIES</b>						
FUEL TANK	19.5 GAL	74 L	13 GAL	49 L	13 GAL	49 L
ENGINE OIL	16 QT	15 L	8 QT	7.6 L	6 QT	5.7 L
HYDRAULIC SYSTEM	20 GAL	76 L	13 GAL	49 L	9 GAL	34 L
HYDRAULIC RESERVOIR	12 GAL	45 L	9.5 GAL	36 L	7.7 GAL	29 L
TRANSMISSION	HYDROSTAT		HYDROSTAT		3 PT	
<b>BATTERY</b>						
GROUP	78U		26/26R/70		26/26R/70	
SAE RESERVE CAPACITY RATING	110 MIN		110 MIN		85 MIN	
SAE COLD CRANK RATING @ 0° F (-18° C)	800 AMPS		800 AMPS		525 AMPS	
AUXILIARY POWER OUTLET	12V, 10A		12V, 5A		12V, 5A	

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.

# RT SERIES ATTACHMENTS LEGEND

- RT55 Attachment
- RT40 Attachment
- RT36 Attachment

## A322 BACKHOE

DIMENSIONS	U.S.	METRIC
BACKHOE LENGTH, STOWED	60 IN	1.52 M
DIGGING DEPTH, MAXIMUM	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°	160°

## A523 BACKHOE

DIMENSIONS	U.S.	METRIC
BACKHOE LENGTH, STOWED	57.2 IN	1.45 M
DIGGING DEPTH, MAXIMUM	94.5 IN	2.40 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°	170°

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

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

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

DIMENSIONS <sup>4</sup>	U.S.	METRIC
TRENCH DEPTH, MAXIMUM	42 IN	1.07 M
ANGLE OF DEPARTURE	33°	33°
TRENCH WIDTH, MINIMUM TO MAXIMUM	6-8 IN	150-200 MM
<b>PLOW DIMENSIONS</b>		
ANGLE OF DEPARTURE, TRANSPORT, 18-IN (457 MM) BLADE	26°	26°
COVER DEPTH <sup>1</sup>	24 IN	610 MM
<b>GENERAL</b>		
OPERATING WEIGHT, WITHOUT AUGERS, BOOM, CHAIN, AND PLOW BLADE	1500 LB	680 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°	25°
ATTACHMENT LENGTH, PLOW IN STOW LOCK, NO BLADE	62 IN	1.57 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

## H331 PLOW

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

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

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

## H341 SAW<sup>2</sup>

DIMENSIONS	U.S.	METRIC
TRENCH DEPTH, MAXIMUM	18 IN	455 MM
ANGLE OF DEPARTURE	14°	14°
OVERALL LENGTH, TRANSPORT	162 IN	4.11 M
NUMBER OF TEETH ON SAW WHEEL	36	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

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

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

## H313 TRENCHER

DIMENSIONS <sup>3</sup>	U.S.	METRIC
TRENCH DEPTH, MAXIMUM	63 IN	1.60 M
ANGLE OF DEPARTURE	17°	17°
TRENCH WIDTH, MINIMUM TO MAXIMUM	6-12 IN	150-305 MM
ATTACHMENT WEIGHT	610 LB	277 KG

## H314 TRENCHER

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

## H515 TRENCHER

DIMENSIONS	U.S.	METRIC
ANGLE OF DEPARTURE	25°	25°
TRENCH DEPTH, MAXIMUM	62 IN	1.57 M
TRENCH WIDTH, MINIMUM TO MAXIMUM	6-12 IN	150-305 MM
TRANSPORT LENGTH	102 IN	2.6 M
<b>ATTACHMENT WEIGHT WITH 4-FT (1.2 M) ROLLER BOOM AND 70-K CHAIN</b>		
	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.

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