

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

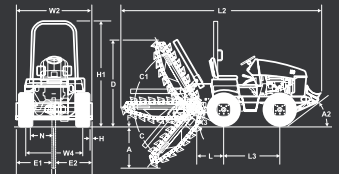
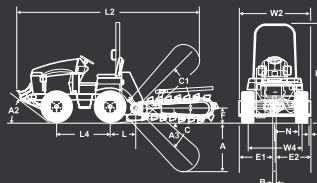
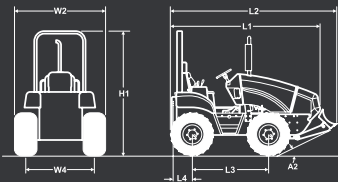
Quiet, emissions-compliant, 39 net horsepower (29 kW) Deutz engine is designed for minimal maintenance and maximum operator productivity and comfort.

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.



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
DIMENSIONS*						
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
OPERATION**						
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
BACKFILL BLADE*						
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
POWER						
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 ³	3.1 L	142 IN ³	2.3 L	142 IN ³	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
POWER TRAIN						
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	
TIRES/PRESSURE	31 X 15.50-15, 8-PLY BAR LUG		26 X 12.00-12, 4-PLY BAR LUG		26 X 12.00-12, 4-PLY BAR LUG	
	40 PSI	276 KPA	20 PSI	138 KPA	20 PSI	138 KPA
	35 X 19.00-16, 12-PLY BAR LUG		29 X 12.50-15, 4-PLY BAR LUG		29 X 12.50-15, 4-PLY BAR LUG	
	55 PSI	379 KPA	30 PSI	207 KPA	30 PSI	207 KPA
HYDRAULIC SYSTEM	@2600 RPM		@2300 RPM		@2500 RPM	
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	
FLUID CAPACITIES						
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	
BATTERY						
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.