



DITCH WITCH RT55, RT40, RT36

RT TRACTORS



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





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.





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.

Muffler is mounted under a composite hood with a vertical exhaust pipe, diverting noise and hot air from the operator.

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.

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.



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.

DETAILS

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

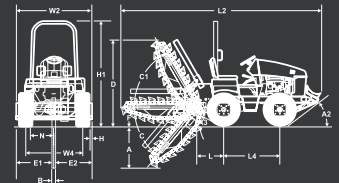
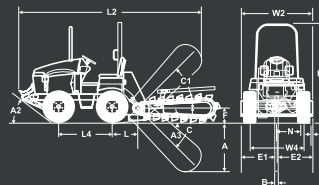
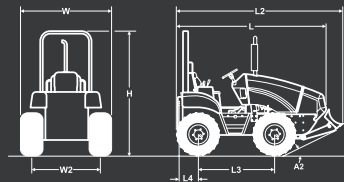
Multiple capabilities with one machine; options include four- or six-way backfill blades and a center-mount utility backhoe.

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.



SPECIFICATIONS

RT55

RT40

RT36

DIMENSIONS*

TRENCH DEPTH, MAXIMUM	N/A	N/A
ANGLE OF APPROACH	20°	20°
ANGLE OF DEPARTURE	N/A	N/A
TRENCH WIDTH, MIN. TO MAX.	N/A	N/A
BOOM ANGLE, DOWN	N/A	N/A
BOOM ANGLE, UP	N/A	N/A
CENTERLINE OF TRENCH TO OUTSIDE EDGE		
LEFT	N/A	N/A
RIGHT	N/A	N/A
HEADSHAFT HEIGHT, DIGGING CHAIN	N/A	N/A
OVERHANG, BEYOND TIRE	N/A	N/A
HEIGHT	95.2 IN	2.42 M
HEADSHAFT OVERHANG	N/A	N/A
LENGTH, NOSE TO REAR MOUNT	114 IN	2.90 M
LENGTH, TRANSPORT	128 IN	3.25 M
WHEELBASE	60 IN	1.52 M
SPOIL DISCHARGE REACH, MIN. TO MAX.	N/A	N/A
WIDTH	71 IN	1.80 M
TREAD	55 IN	1.40 M
GROUND CLEARANCE	10 IN	254 MM
REAR AXLE, CENTER TO REAR ATTACHMENT	14.7 IN	373 MM
MOUNTING HOLES		

U.S. METRIC

WITH 31 X 15.50-15 TIRE	
N/A	N/A
20°	20°
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
95.2 IN	2.42 M
N/A	N/A
114 IN	2.90 M
128 IN	3.25 M
60 IN	1.52 M
N/A	N/A
N/A	N/A
71 IN	1.80 M
55 IN	1.40 M
10 IN	254 MM
14.7 IN	373 MM

U.S. METRIC

26 X 12.00-12 WITH H313 TRENCHER	
63 IN	1.60 M
20°	20°
17°	17°
6-12 IN	150-300 MM
58°	58°
50°	50°
35 IN	890 MM
29 IN	740 MM
17 IN	430 MM
3.5 IN	90 MM
86 IN	2.18 M
24.5 IN	620 MM
N/A	N/A
155 IN	3.94 M
48 IN	1.22 M
17-20 IN	430-510 MM
64 IN	1.63 M
46 IN	1.17 M
7 IN	180 MM
N/A	N/A

U.S. METRIC

26 X 12.00-12 WITH 39" BOOM	
60 IN	1.52 M
20°	20°
17°	17°
16 IN	410 MM
57°	57°
32°	32°
31 IN	790 MM
32 IN	813 MM
15 IN	380 MM
3.5 IN	90 MM
86 IN	2.18 M
22 IN	560 MM
N/A	N/A
154 IN	3.91 M
48 IN	1.22 M
17-20 IN	430-510 MM
64 IN	1.63 M
46 IN	1.17 M
6.75 IN	171 MM
N/A	N/A

OPERATION**

MAXIMUM FORWARD SPEED		
LOW/1ST	1.7 MPH	2.7 KM/H
HIGH/2ND	5.5 MPH	8.9 KM/H
3RD GEAR	N/A	N/A
MAXIMUM REVERSE SPEED		
LOW	1.1 MPH	1.8 KM/H
HIGH	3.4 MPH	5.5 KM/H
MAXIMUM TRENCHING SPEED, @ FULL LOAD (VARIES WITH SOIL CONDITIONS)	150 FPM	45.72 M/MIN
VEHICLE CLEARANCE CIRCLE (SAE)		
FRONT STEER ONLY	33.5 FT	10.21 M
COORDINATED STEER	21.5 FT	6.55 M
BASIC UNIT WEIGHT	5610 LB	2545 KG
FRONT COUNTERWEIGHT	1915 LB	869 KG
MAXIMUM DIGGING CHAIN SPEED	764 FPM	232.87 M/MIN
1ST GEAR	N/A	N/A
2ND GEAR	N/A	N/A
3RD GEAR	N/A	N/A
REVERSE	N/A	N/A

4.3 MPH	6.9 KM/H
N/A	N/A
N/A	N/A
N/A	N/A
2.7 MPH	4.4 KM/H
N/A	N/A
N/A	N/A
150 FPM	45.72 M/MIN
28 FT	8.53 M
20 FT	6.10 M
4200 LB	1910 KG
***	***
420 FPM	128.02 M/MIN
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

2.3 MPH	3.7 KM/H
3.9 MPH	6.3 KM/H
7.3 MPH	11.7 KM/H
1.9 MPH	3.0 KM/H
N/A	N/A
N/A	N/A
31 FPM	9.45 M/MIN
27 FT	8.23 M
N/A	N/A
3940 LB	1785 KG
***	***
N/A	N/A
203 FPM	61.87 M/MIN
324 FPM	98.76 M/MIN
528 FPM	160.93 M/MIN
150 FPM	45.72 M/MIN

BACKFILL BLADE*

BLADE WIDTH	72 IN	1.83 M
BLADE HEIGHT	14 IN	356 MM
LIFT HEIGHT, ABOVE GROUND	17 IN	430 MM
BLADE DROP, BELOW GROUND	13 IN	330 MM
MAXIMUM SWING ANGLE, LEFT/RIGHT	30°	30°
TILT ANGLE, UP/DOWN	16°	16°

64 IN	1.63 M
14 IN	356 MM
12 IN	300 MM
8 IN	200 MM
28°	28°
11°	11°

64 IN	1.63 M
14 IN	353 MM
12 IN	290 MM
8 IN	200 MM
28°	28°
11°	11°

*DIMENSIONS BASED ON H313 ATTACHMENT AND SHORTEST ROLLER BOOM LENGTH, 26 X 12.00-12 STANDARD TIRE AND WHEEL, AND 12-IN (305 MM) PIVOT. (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

POWER

MODEL
FUEL
COOLING MEDIUM
INJECTION
ASPIRATION
NUMBER OF CYLINDERS
DISPLACEMENT
BORE
STROKE
ENGINE MANUFACTURER'S GROSS POWER RATING (SAE J1995)
ESTIMATED NET POWER RATING (SAE J1349)
RATED SPEED

U.S. METRIC

DEUTZ F4M2011
DIESEL
OIL/EXTERNAL
DIRECT
NATURAL
4
189 IN³ 3.1 L
3.7 IN 94 MM
4.4 IN 112 MM
60 HP 45 KW
57 HP 42 KW
2600 RPM 2600 RPM

U.S. METRIC

DEUTZ F3M2011
DIESEL
OIL/EXTERNAL
DIRECT
NATURAL
3
142 IN³ 2.3 L
3.7 IN 94 MM
4.4 IN 112 MM
42.2 HP 31.5 KW
39 HP 29 KW
2300 RPM 2300 RPM

U.S. METRIC

DEUTZ F3L2011
DIESEL
OIL/INTEGRATED
DIRECT
NATURAL
3
142 IN³ 2.3 L
3.7 IN 94 MM
4.4 IN 112 MM
35 HP 26 KW
35 HP 26 KW
2500 RPM 2500 RPM

POWER TRAIN

GROUND DRIVE TRANSMISSION

DIFFERENTIALS

PARKING BRAKE
SERVICE BRAKE

ATTACHMENT DRIVE TRANSMISSION

TRENCHER DRIVE
TRANSMISSION

CLUTCH

HYDROSTATIC DRIVE, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, FOOT-PEDAL AND HAND-LEVER OPERATED SPEED/DIRECTION CONTROL
PLANETARY FRONT AND REAR WITH OPTIONAL REAR STEERING
SPRING-APPLIED, PRESSURE-RELEASED GROUND DRIVE SPEED/DIRECTION CONTROL
BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION
HYDROSTATIC, LEVER-OPERATED, SPEED INFINITELY VARIABLE FROM ZERO TO MAXIMUM

HYDROSTATIC

N/A

HYDROSTATIC DRIVE, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, FOOT-PEDAL AND HAND-LEVER OPERATED SPEED/DIRECTION CONTROL
DANA MODEL 44, LIMITED SLIP; OPTIONAL DANA MODEL 60, LIMITED SLIP
DISC, HAND-OPERATED
GROUND DRIVE SPEED/DIRECTION CONTROL
BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION
HYDROSTATIC, LEVER-OPERATED, SPEED INFINITELY VARIABLE FROM ZERO TO MAXIMUM FORWARD WITH LIMITED STROKE REVERSE

HYDROSTATIC

N/A

MECHANICAL: THREE SPEEDS FORWARD, 1 REVERSE WITH ENCLOSED REDUCTION TO AXLES

DANA 44, LIMITED SLIP (OPTIONAL); DANA 60, LIMITED SLIP (OPTIONAL)
DISC, HAND-OPERATED DISC
FOOT-OPERATED

THREE SPEEDS FORWARD, 1 REVERSE, THROUGH SHOCK-ABSORBING CLUTCH BELT DRIVE TO RIGHT-ANGLE DRIVE TO HEADSHAFT
AUTOMOTIVE SPRING-LOADED, FOOT-OPERATED FRICTION DRIVE

TIRES/PRESSURE

31 X 15.50-15, 8-PLY BAR LUG
40 PSI 276 KPA

35 X 19.00-16, 12-PLY BAR LUG
55 PSI 379 KPA

26 X 12.00-12, 4-PLY BAR LUG
20 PSI 138 KPA

29 X 12.50-15, 4-PLY BAR LUG
30 PSI 207 KPA

26 X 12.00-12, 4-PLY BAR LUG
20 PSI 138 KPA

29 X 12.50-15, 4-PLY BAR LUG
30 PSI 207 KPA

HYDRAULIC SYSTEM

GROUND DRIVE PUMP CAPACITY
GROUND DRIVE PUMP RELIEF PRESSURE
ATTACHMENT DRIVE, TRENCHER
ATTACHMENT DRIVE, PLOW/SAW
ATTACHMENT PUMP CAPACITY
AUXILIARY PUMP CAPACITY
AUXILIARY PUMP RELIEF PRESSURE
FILTRATION

@2600 RPM
32 GPM 121 L/MIN
5000 PSI 345 BAR
5450 PSI 376 BAR
5450 PSI 376 BAR
32 GPM 121 L/MIN
8/6 GPM 30/23 L/MIN
3000 PSI 207 BAR
N/A N/A

@2300 RPM
29.3 GPM 111 L/MIN
3750 PSI 258 BAR
5000 PSI 345 BAR
3750 PSI 259 BAR
29.3 GPM 111 L/MIN
10.2 GPM 39 L/MIN
2500 PSI 172 BAR
25 PSI (1.7 BAR) RETURN/CHARGE PUMP;
15 PSI (1 BAR) BYPASS,
10 MICRON NOMINAL

@2500 RPM
9 GPM 34 L/MIN
2500 PSI 172 BAR
N/A N/A
N/A N/A
N/A N/A
N/A N/A
N/A N/A
15 PSI BYPASS; 36 MICRON AT 98.7% EFFICIENCY

FLUID CAPACITIES

FUEL TANK
ENGINE OIL
HYDRAULIC SYSTEM
HYDRAULIC RESERVOIR
TRANSMISSION

19.5 GAL 74 L
16 QT 15 L
20 GAL 76 L
12 GAL 45 L
HYDROSTAT

13 GAL 49 L
8 QT 7.6 L
13 GAL 49 L
9.5 GAL 36 L
HYDROSTAT

13 GAL 49 L
6 QT 5.7 L
9 GAL 34 L
7.7 GAL 29 L
3 PT 1.4 L

BATTERY

GROUP
SAE RESERVE CAPACITY RATING
SAE COLD CRANK RATING @ 0° F (-18° C)
AUXILIARY POWER OUTLET

78U
110 MIN
800 AMPS
12V, 10A

26/26R/70
85 MIN
525 AMPS
12V, 5A

26/26R/70
85 MIN
525 AMPS
12V, 5A

RT SERIES ATTACHMENTS LEGEND

- RT55 Attachment
- RT40 Attachment

A322 BACKHOE

DIMENSIONS

BACKHOE LENGTH, STOWED
DIGGING DEPTH, MAXIMUM
REACH FROM SWING PIVOT

GENERAL

BUCKET WIDTH
BUCKET CAPACITY
BACKHOE WEIGHT WITH BUCKET
SWING ARC

U.S.	METRIC
60 IN	1.52 M
72 IN	1.83 M
102 IN	2.59 M

12 IN	305 MM
1.1 FT ³	0.03 M ³
1125 LB	511 KG
160°	160°

A523 BACKHOE

DIMENSIONS

BACKHOE LENGTH, STOWED
DIGGING DEPTH, MAXIMUM
REACH FROM SWING PIVOT

GENERAL

BUCKET WIDTH
BACKHOE WEIGHT WITHOUT BUCKET
SWING ARC

U.S.	METRIC
57.2 IN	1.45 M
94.5 IN	2.40 M
142.2 IN	3.61 M

12-18 IN	305-460 MM
2150 LB	975 KG
170°	170°

RC55 CARRIER²

DIMENSIONS

MAXIMUM REEL DIAMETER
INTERNAL WIDTH
CAPACITY
ATTACHMENT WEIGHT

U.S.	METRIC
60 IN	1.52 M
46 IN	1.17 M
1500 LB	680 KG
600 LB	270 KG

H350 COMBO²

DIMENSIONS¹

TRENCH DEPTH, MAXIMUM
ANGLE OF DEPARTURE
TRENCH WIDTH, MINIMUM TO MAXIMUM

PLOW DIMENSIONS

ANGLE OF DEPARTURE, TRANSPORT,
18-IN (457 MM) BLADE
COVER DEPTH¹

GENERAL

OPERATING WEIGHT, WITHOUT AUGERS,
BOOM, CHAIN, AND PLOW BLADE

U.S.	METRIC
42 IN	1.07 M
33°	33°
6-8 IN	150-200 MM

26°	26°
24 IN	610 MM

1500 LB	680 KG
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H553 COMBO²

DIMENSIONS

TRENCH WIDTH
TRANSPORT LENGTH
ANGLE OF DEPARTURE
ATTACHMENT LENGTH,
PLOW IN STOW LOCK, NO BLADE
COVER DEPTH¹

GENERAL

OPERATING WEIGHT WITHOUT BOOM,
CHAIN, OR PLOW BLADE

U.S.	METRIC
6-12 IN	150-305 MM
102 IN	2.59 M
25°	25°

62 IN	1.57 M
30 IN	762 MM

2159 LB	960 KG
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H331 PLOW

DIMENSIONS

COVER DEPTH, FEED BLADE, MAXIMUM
ANGLE OF DEPARTURE
TRANSPORT LENGTH, PLOW WITH BLADE

U.S.	METRIC
24 IN	610 MM
22°	22°
169 IN	4.29 M

H533 PLOW²

DIMENSIONS

ANGLE OF DEPARTURE, TRANSPORT,
24-IN (610 MM) BLADE
ATTACHMENT LENGTH,
PLOW IN STOW LOCK, NO BLADE
COVER DEPTH¹

U.S.	METRIC
23°	23°
62 IN	1.57 M
30 IN	762 MM

H341 SAW²

DIMENSIONS

TRENCH DEPTH, MAXIMUM
ANGLE OF DEPARTURE
OVERALL LENGTH, TRANSPORT
NUMBER OF TEETH ON SAW WHEEL
ATTACHMENT WEIGHT
2.5-IN (65 MM) SEGMENTS
3.5-IN (90 MM) SEGMENTS
5-IN (130 MM) SEGMENTS

U.S.	METRIC
18 IN	455 MM
14°	14°
162 IN	4.11 M
36	36

1550 LB	700 KG
1610 LB	730 KG
1660 LB	755 KG

H540 SAW²

DIMENSIONS

TRENCH DEPTH, MAXIMUM
ANGLE OF DEPARTURE
OVERALL LENGTH, TRANSPORT
NUMBER OF TEETH
5-IN (130 MM) WIDTH
6-IN (150 MM) WIDTH
7-IN (180 MM) WIDTH
ATTACHMENT WEIGHT

U.S.	METRIC
26 IN	660 MM
20°	20°
214 IN	5.44 M

28	28
32	32
40	40
2620 LB	1188 KG

H313 TRENCHER

DIMENSIONS¹

TRENCH DEPTH, MAXIMUM
ANGLE OF DEPARTURE
TRENCH WIDTH, MINIMUM TO MAXIMUM
ATTACHMENT WEIGHT

U.S.	METRIC
63 IN	1.60 M
17°	17°
6-12 IN	150-305 MM
610 LB	277 KG

H314 TRENCHER

DIMENSIONS¹

TRENCH DEPTH, MAXIMUM
ANGLE OF DEPARTURE
TRENCH WIDTH, MINIMUM TO MAXIMUM
CENTER
OFFSET
ATTACHMENT WEIGHT

U.S.	METRIC
52 IN	1.32 M
35°	35°
6-12 IN	150-305 MM
6-8 IN	150-200 MM
570 LB	260 KG

H515 TRENCHER

DIMENSIONS

ANGLE OF DEPARTURE
TRENCH DEPTH, MAXIMUM
TRENCH WIDTH, MINIMUM TO MAXIMUM
TRANSPORT LENGTH
ATTACHMENT WEIGHT WITH 4-FT (1.2 M)
ROLLER BOOM AND 70-K CHAIN

U.S.	METRIC
25°	25°
62 IN	1.57 M
6-12 IN	150-305 MM
102 IN	2.6 MM
1950 LB	885 KG

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



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