

DITCH WITCH® RT12, RT10 PEDESTRIAN TRENCHERS



KEY FEATURES

With their easy hydraulic steering, the RT10 and RT12 are more maneuverable—and more productive—for operators of all sizes.

(Photograph A) Whether you choose high-flotation tires or heavy-duty, oscillating tracks, you'll have all the stability and traction you need to drive across trenches, curbs, rough terrain, or anything else the job throws at you.

Our engineers designed the RT10 and RT12 with maximum weight on the digging chain, for better ground penetration and more product in the ground faster.

(Photograph B) Optional backfill blade is both affordable and staggeringly productive; it makes trench restoration quick and easy, so you can leave the shovels in the truck.

Best-in-class mobile speeds mean you spend less time mobilizing to the jobsite and more time getting the job done.

Optional Roto Witch® boring attachment lets you bore under sidewalks, driveways, and other obstacles without bringing in extra equipment; no other trencher in this class can do that.

Three color-coded controls are all you need to operate the amazingly easy-to-use RT10 and RT12.

Outboard bearing support supports the auger and headshaft, for reliable productivity, trench after trench.

Tough ground conditions are no match for the RT10 and RT12; you can easily increase torque to the digging chain with the simple change of a sprocket.

Ditch Witch trenchers—including the RT10 and RT12—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.

SPECIFICATIONS

RT10

RT12

	U.S.	METRIC	U.S.	METRIC
DIMENSIONS				
TRENCH DEPTH MAXIMUM	30 IN	762 MM	36 IN	915 MM
TRENCH WIDTH	4.3 - 6.0 IN	110 - 150 MM	4.3 - 6.0 IN	110 - 150 MM
BOOM TRAVEL DOWN	60°	60°	60°	60°
BOOM TRAVEL UP	60°	60°	60°	60°
HEADSHAFT HEIGHT, DIGGING CHAIN	8.6 IN	220 MM	8.6 IN	220 MM
LENGTH	84 IN	2.1 M	84 IN	2.1 M
WIDTH	33 IN	840 MM	33 IN	840 MM
HEIGHT	47 IN	1.2 M	47 IN	1.2 M
TREAD	26 IN	660 MM	26 IN	660 MM
ANGLE OF DEPARTURE	35°	35°	35°	35°
WHEELBASE	32 IN	810 MM	32 IN	810 MM
CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, LEFT	15 IN	381 MM	15 IN	381 MM
CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, RIGHT	18 IN	457 MM	18 IN	457 MM
SPOIL DISCHARGE REACH	10.6 IN	270 MM	10.6 IN	270 MM
ANGLE OF APPROACH	85°	85°	85°	85°
OPERATION				
VEHICLE SPEEDS				
MAXIMUM TRANSIT FORWARD (TIRE)	280 FPM	85.3 M/MIN	280 FPM	85.3 M/MIN
MAXIMUM TRANSIT REVERSE (TIRE)	114 FPM	34.7 M/MIN	114 FPM	34.7 M/MIN
MAXIMUM TRANSIT FORWARD (TRACK)	198 FPM	60 M/MIN	198 FPM	60 M/MIN
MAXIMUM TRANSIT REVERSE (TRACK)	97 FPM	29.5 M/MIN	97 FPM	29.5 M/MIN
DIGGING CHAIN SPEED				
12-TOOTH SPROCKET (STANDARD)	389 FPM	118.5 M/MIN	389 FPM	118.5 M/MIN
10-TOOTH SPROCKET	324 FPM	98.7 M/MIN	324 FPM	98.7 M/MIN
SPOILS HANDLING (SINGLE AUGER)				
OUTER DIAMETER	12 IN	305 MM	12 IN	305 MM
INNER DIAMETER	4 IN	102 MM	4 IN	102 MM
LENGTH	9 IN	229 MM	9 IN	229 MM
OPERATING WEIGHT (W/ 33,000-LB TEST, TWO-PITCH DIGGING CHAIN & 24-IN/610-MM ROLLER BOOM)	951 LB	431 KG	1,020 LB	463 KG
POWER				
ENGINE	HONDA GX390 4-STROKE OHV		BRIGGS & STRATTON VANGUARD V-TWIN 4-STROKE OHV	
FUEL	GASOLINE		GASOLINE	
COOLING MEDIUM	AIR		AIR	
NUMBER OF CYLINDERS	ONE		ONE	
DISPLACEMENT	23.7 IN ³	389 CM ³	29.23 IN ³	479 CM ³
BORE	3.46 IN	88 MM	2.68 IN	68 MM
STROKE	2.52 IN	64 MM	2.60 IN	66 MM
MANUFACTURER'S POWER RATING (RT10 NET PER SAEJ1349, RT12 GROSS PER SAEJ1940)	11 HP	8.2 KW	16 HP	11.9 KW
RATED SPEED	3600 RPM	3600 RPM	3600 RPM	3600 RPM
POWER TRAIN				
GROUND DRIVE TRANSMISSION	HYDROSTATIC, SPEED INFINITELY VARIABLE, CONTROLLED W/ 2 LEVERS		HYDROSTATIC, SPEED INFINITELY VARIABLE, CONTROLLED W/ 2 LEVERS	
DIGGING CHAIN DRIVE	HYDRAULIC DIRECT DRIVE, 1 SPEED FWD & REV		HYDRAULIC DIRECT DRIVE, 1 SPEED FWD & REV	
TRENCHER DRIVE	HYDRAULIC DIRECT DRIVE		HYDRAULIC DIRECT DRIVE	
PUMP DRIVE	DIRECT DRIVE FROM ENGINE		DIRECT DRIVE FROM ENGINE	
SPOILS HANDLING DRIVE	MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT		MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT	
TIRES				
DRIVE				
18 X 9.5 X 8 BAR LUG	12 PSI	83 KPA	12 PSI	83 KPA
18 X 8.50 X 8 TURF NHS	22 PSI	152 KPA	22 PSI	152 KPA
HYDRAULIC SYSTEM				
TANDEN PUMP CAPACITY @ 3600 RPM				
TO DIGGING DRIVE	7.8 GPM	29.5 L/MIN	7.8 GPM	29.5 L/MIN
TO GROUND DRIVE	11.4 GPM	43 L/MIN	11.4 GPM	43 L/MIN
TOTAL	19.2 GM	72.5 L/MIN	19.2 GPM	72.5 L/MIN
FLUID CAPACITIES				
HYDRAULIC RESERVOIR	8.0 GAL	30 L	8.0 GAL	30 L
FUEL TANK	1.7 GAL	6.5 L	2.3 GAL	8.7 L
ENGINE OIL	2.3 PT	1.1 L	46 - 48 OZ	1.3 - 1.4 L