

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 |