

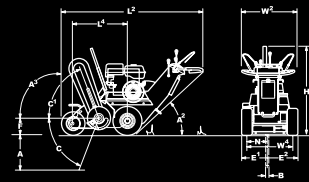
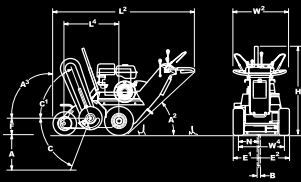
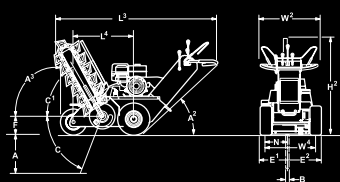


DITCH WITCH RT24, RT12, RT10, ZAHN® R300, ZAHN R230, ZAHN R150

PEDESTRIAN TRENCHERS



 **Ditch Witch®**
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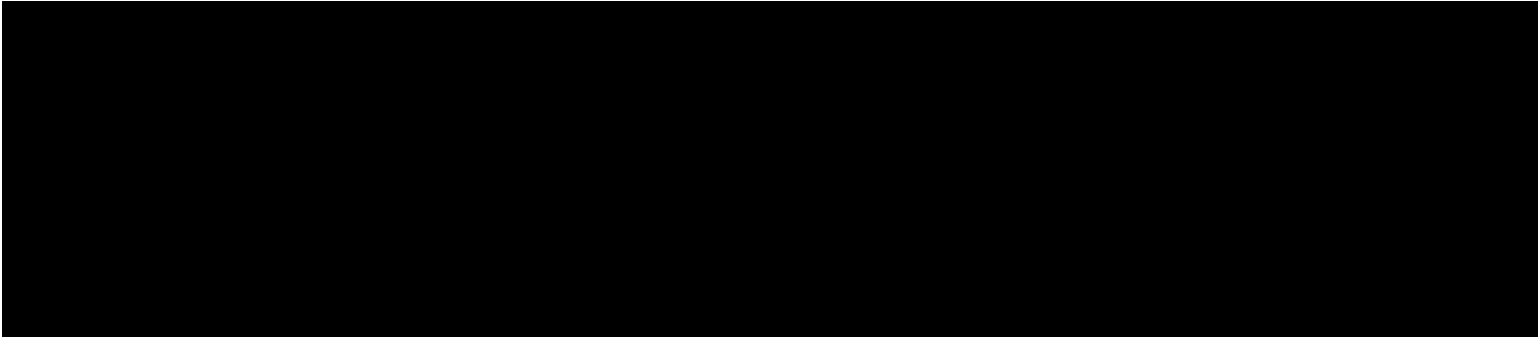
SPECIFICATIONS

RT24

RT12

RT10

DIMENSIONS*	U.S.	METRIC	U.S.	METRIC	U.S.	METRIC
A ¹ TRENCH DEPTH, MAX.	48 IN	762 MM	36 IN	915 MM	30 IN	915 MM
A ² ANGLE OF APPROACH	85°		85°		85°	
A ³ ANGLE OF DEPARTURE	35°		35°		35°	
B TRENCH WIDTH, MIN. TO MAX.	4.3 IN - 8 IN	110 MM - 150 MM	4.3 IN - 6 IN	110 MM - 150 MM	4.3 IN - 6 IN	110 MM - 150 MM
C BOOM TRAVEL, DOWN	60°		60°		60°	
C ¹ BOOM TRAVEL, UP	60°		60°		60°	
E ¹ CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, LEFT	15 IN	381 MM	15 IN	381 MM	15 IN	381 MM
E ² CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, RIGHT	18 IN	457 MM	18 IN	457 MM	18 IN	457 MM
F HEADSHAFT HEIGHT, DIGGING CHAIN	8.6 IN	220 MM	8.6 IN	220 MM	8.6 IN	220 MM
H ² HEIGHT**	47 IN	1.2 M	47 IN	1.2 M	47 IN	1.2 M
L ² LENGTH	84 IN	2.1 M	84 IN	2.1 M	84 IN	2.1 M
L ⁴ WHEELBASE	32 IN	810 MM	32 IN	810 MM	32 IN	810 MM
N SPOILS DISCHARGE REACH	10.6 IN	270 MM	10.6 IN	270 MM	10.6 IN	270 MM
W ² WIDTH	33 IN	840 MM	33 IN	840 MM	33 IN	840 MM
W ⁴ TREAD	26 IN	660 MM	26 IN	660 MM	26 IN	660 MM
OPERATION						
VEHICLE SPEEDS WITH 18-IN TIRES						
MAX. TRANSIT, FORWARD	280 FPM	85.3 M/MIN	280 FPM	85.3 M/MIN	280 FPM	85.3 M/MIN
MAX. TRANSIT, REVERSE	114 FPM	34.7 M/MIN	114 FPM	34.7 M/MIN	114 FPM	34.7 M/MIN
VEHICLE SPEEDS WITH TRACK						
MAX. TRANSIT, FORWARD	198 FPM	60 M/MIN	198 FPM	60 M/MIN	198 FPM	60 M/MIN
MAX. TRANSIT, REVERSE	97 FPM	29.5 M/MIN	97 FPM	29.5 M/MIN	97 FPM	29.5 M/MIN
GROUND DRIVE MOTOR 2X	24.1 IN ³	395 CM ³	N/A		N/A	
DIGGING CHAIN SPEED @3600 RPM						
12-TOOTH SPROCKET (STANDARD)	420 FPM	128 M/MIN	389 FPM	118.5 M/MIN	389 FPM	118.5 M/MIN
10-TOOTH SPROCKET	350 FPM	107 M/MIN	324 FPM	98.7 M/MIN	324 FPM	98.7 M/MIN
SPOILS HANDLING (SINGLE AUGER)						
OUTER DIAMETER	15 IN	381 MM	12 IN	305 MM	12 IN	305 MM
INNER DIAMETER	1.5 IN	40 MM	4 IN	102 MM	4 IN	102 MM
LENGTH	8.75 IN	222 MM	9 IN	229 MM	9 IN	229 MM
OPERATING WEIGHT (WITH 33,000-LB TEST, TWO-PITCH DIGGING CHAIN AND 24-IN/610-MM ROLLER BOOM)	1120 LB	508 KG	1020 LB	463 KG	950 LB	430 KG
POWER						
ENGINE	HONDA GX690		BRIGGS & STRATTON VANGUARD V-TWIN 4-STROKE, OVERHEAD VALVE		HONDA GX390 4-STROKE, OVERHEAD VALVE	
FUEL	GASOLINE		GASOLINE		GASOLINE	
COOLING MEDIUM	AIR		AIR		AIR	
NUMBER OF CYLINDERS	2		2		1	
DISPLACEMENT	42 IN ³	688 CM ³	29.23 IN ³	479 CM ³	23.7 IN ³	389 CM ³
BORE	3.1 IN	78 MM	2.68 IN	68 MM	3.46 IN	88 MM
STROKE	2.8 IN	72 MM	2.6 IN	66 MM	2.52 IN	64 MM
MANUFACTURER'S POWER RATING (RT10/RT24 NET PER SAEJ1349, RT12 GROSS PER SAEJ1940)	22.3 HP	16.6 KW	16 HP	11.9 KW	11 HP	8.2 KW
RATED SPEED	3600 RPM		3600 RPM		3600 RPM	



SPECIFICATIONS		RT24		RT12		RT10	
POWER TRAIN		U.S.	METRIC	U.S.	METRIC	U.S.	METRIC
	GROUND DRIVE TRANSMISSION	HYDROSTATIC, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, SPEED AND DIRECTION CONTROLLED WITH DUAL LEVERS		HYDROSTATIC, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, SPEED AND DIRECTION CONTROLLED WITH DUAL LEVERS		HYDROSTATIC, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, SPEED AND DIRECTION CONTROLLED WITH DUAL LEVERS	
	PUMP DRIVE	DIRECT DRIVE FROM ENGINE		DIRECT DRIVE FROM ENGINE		DIRECT DRIVE FROM ENGINE	
	DIGGING CHAIN DRIVE	HYDRAULIC, DIRECT DRIVE, LEVER-OPERATED, ONE SPEED FORWARD AND REVERSE		HYDRAULIC, DIRECT DRIVE, LEVER-OPERATED, ONE SPEED FORWARD AND REVERSE		HYDRAULIC, DIRECT DRIVE, LEVER-OPERATED, ONE SPEED FORWARD AND REVERSE	
	TRENCHER DRIVE	HYDRAULIC, DIRECT DRIVE		HYDRAULIC, DIRECT DRIVE		HYDRAULIC, DIRECT DRIVE	
SPOILS HANDLING DRIVE		MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT		MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT		MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT	
TIRES/PRESSURE							
DRIVE		U.S.	METRIC	U.S.	METRIC	U.S.	METRIC
	18 X 9.5-8 BAR LUG	12 PSI	83 KPA	12 PSI	83 KPA	12 PSI	83 KPA
	18 X 9.5-8 TURF NHS	22 PSI	152 KPA	22 PSI	152 KPA	22 PSI	152 KPA
HYDRAULIC SYSTEM							
DIGGING DRIVE PUMP CAPACITY @ 3600 RPM		12 GPM	45 L/MIN	7.8 GPM	29.5 L/MIN	7.8 GPM	29.5 L/MIN
GROUND DRIVE PUMP CAPACITY @ 3600 RPM		11.4 GPM	43 L/MIN	11.4 GPM	43 L/MIN	11.4 GPM	43 L/MIN
FILTRATION		RETURN FLOW, 10 MICRON NOMINAL		RETURN FLOW, 10 MICRON NOMINAL		RETURN FLOW, 10 MICRON NOMINAL	
FLUID CAPACITIES							
FUEL TANK		3 GAL	11 L	2.3 GAL	8.7 L	1.7 GAL	6.5 L
ENGINE OIL		1.8 QT	1.7 L	46 OZ - 48 OZ	1.3 L - 1.4 L	2.3 PT	1.1 L
HYDRAULIC SYSTEM		8.5 GAL	32 L	8.5 GAL	32 L	8.5 GAL	32 L
BATTERY		12V, TOP-POST		12V		12V	
SAE RESERVE CAPACITY RATING		41 MIN		30 MIN		30 MIN	
SAE COLD CRANK RATING @ 0° F (-18° C)		340 AMPS		200 AMPS		200 AMPS	
NOISE LEVEL							
OPERATOR (SOUND PRESSURE PER ISO 6394)		93 DBA		96 DBA		98 DBA	
EXTERIOR (SOUND POWER PER ISO 6393)		102 DBA		100 DBA		103 DBA	