



DITCH WITCH 1820, 1330, 1230, 1030

PEDESTRIAN TRENCHERS



GET WHAT YOU ASK FOR. **DITCH WITCH.**





DANGER
DO NOT TOUCH
HOT SURFACES
OR MOVING PARTS

DITCH WITCH 1820

Featuring a powerful 18hp (13.4 kW) engine, rugged components and straightforward operation, the Ditch Witch 1820 is a compact pedestrian trencher that helps you install underground service lines at residential and commercial sites with equal ease. The operator's station features quick-reference controls and color-coded levers, so reliable performance is always within reach. On the business end, a strengthened sprocket hub and variety of digging chains keep the 1820 going even on those marathon workdays.





KEY FEATURES

Drive wheels can be locked for straight-line trenching or one wheel freed for maneuverability.

Hydraulically steerable axle; one lever moves wheels.

Mechanical digging drive requires less horsepower to do the same amount of work.

DETAILS

Operator presence system is standard equipment on all units.

Strengthened digging chain sprocket hub means great long-term performance.

Spoils auger attaches to and rotates with the headshaft.

Larger sheaves on headshaft drive provide longer belt life.

Weather resistant electrical connectors and an automotive-type fuse enhance reliability.

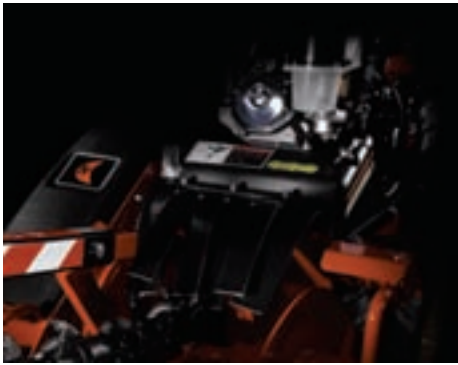
Minimal service points and convenient access to service areas make the 1820 easy to keep running.

The Ditch Witch organization supports all of its products with superior-quality parts, service and training, all available from a worldwide network of Ditch Witch dealers.

DITCH WITCH 1330

The 1330 is a compact walk-behind that is clearly in front of the 13-horsepower (9.7 kW) trencher field. Built for low maintenance and high reliability, the 1330 features an innovative hydraulic oil cooling system that keeps the trencher humming even on the hottest days. And its reversible digging chain easily dislodges rocks and soil, helping you keep your cool by minimizing your stop-and-start time.





KEY FEATURES

Easy-to-understand, easily accessible, color-coded controls help new operators quickly become proficient.

Compact enough to fit through a standard yard gate.

DETAILS

Hydraulic oil cooler uses less fluid while providing longer pump life and maximum cooling efficiency; direct-drive fan helps the system run cooler and work more efficiently.

High-performance Ditch Witch digging chain systems available for trenching in most soil conditions; reversible digging chain easily dislodges rocks and soil.

Two-speed hydraulic ground drive provides high speed for maneuvering around the jobsite and low speed for excellent control while trenching.

Standard axle lock can engage both drive wheels for straight line trenching, or free one wheel for added maneuverability.

DITCH WITCH 1230, 1030

Do you want a good reason why Ditch Witch pedestrian machines have been the best-selling trenchers in the world? Here are two. The Ditch Witch 1030 and 1230 feature rugged mechanical digging drives and hydrostatic ground drives that never let you down. Their compact size lets you take them anywhere, while their solid frames and variety of digging chains let you take on any type of dirt.





KEY FEATURES

Unique, greasable bronze pivot bushing increases reliability.

Quiet, fuel-efficient Honda overhead-valve gasoline engine provides plenty of power.

Equipped for multiple sizes and types of digging chains, from standard cup-tooth to maximum-strength Shark Chain II.

DETAILS

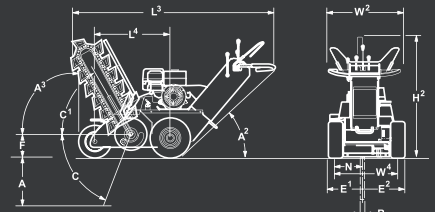
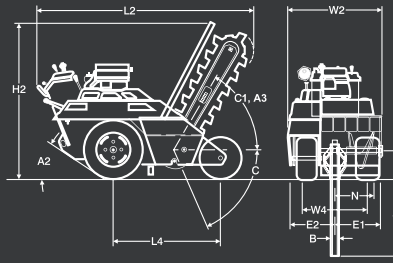
Mechanical digging drive, hydrostatic ground drive; operator can stop the digging chain and ground drive but keep the engine running by releasing the handlebar bail.

Easily accessible, easy-to-use color-coded controls.

Closed-loop hydraulic ground drive system allows infinitely variable speeds to better match digging conditions.

Axle lock engages both drive wheels to put more power to the ground while trenching, or frees one wheel for easy maneuvering around the jobsite.

Compact enough to fit through a standard yard gate.



SPECIFICATIONS

1820

1330

GENERAL

DIMENSIONS*

A TRENCH DEPTH, MAXIMUM
 A² ANGLE OF APPROACH
 A³ ANGLE OF DEPARTURE
 B TRENCH WIDTH, MIN. TO MAX.
 C BOOM TRAVEL, DOWN
 C¹ BOOM TRAVEL, UP
 E¹ CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, LEFT
 E² CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, RIGHT
 F HEADSHAFT HEIGHT
 H² TRANSPORT HEIGHT
 L² TRANSPORT LENGTH
 L⁴ WHEELBASE
 N SPOILS DISCHARGE REACH
 W² WIDTH, TRANSPORT
 W⁴ TREAD

OPERATION

VEHICLE SPEEDS
 MAXIMUM TRANSIT FORWARD
 MAXIMUM TRANSIT REVERSE
 DIGGING CHAIN SPEED, MAX.
 SPOILS HANDLING (SINGLE, OPEN-END AUGER) AUGER-SIZE
 OUTER DIAMETER
 INNER DIAMETER
 LENGTH
 TRENCHER CLEANER TYPE
 TRENCHER CLEANER SIZE
 OPERATING WEIGHT (BASED ON ROLLER BOOM AND NARROW-WIDTH DIGGING CHAIN)

POWER

ENGINE
 TYPE
 FUEL
 COOLING MEDIUM
 NUMBER OF CYLINDERS
 DISPLACEMENT
 BORE
 STROKE
 MANUFACTURER'S POWER RATING
 RATED SPEED

POWER TRAIN

GROUND DRIVE TRANSMISSION
 CLUTCH
 BELT
 PUMP DRIVE
 DIGGING CHAIN DRIVE
 TRENCHER DRIVE
 BELT
 DIGGING CHAIN
 CHAIN DRIVE SPROCKET
 SPOILS HANDLING DRIVE

TIRES/PRESSURE

DRIVE, STANDARD
 DRIVE, OPTIONAL
 TRAIL

HYDRAULIC SYSTEM

DRIVE PUMP CAPACITY
 FILTRATION
 HYDRAULIC CYLINDERS
 FUNCTION
 TYPE

STEERING

TYPE

FLUID CAPACITIES

FUEL TANK
 ENGINE OIL
 HYDRAULIC RESERVOIR
 HYDRAULIC SYSTEM
 AXLE OIL
 HEADSHAFT GEARBOX OIL

BATTERY

GROUP
 SAE RESERVE CAPACITY
 SAE COLD CRANK @ 0° F (-18° C)

DITCH WITCH MODEL 1820 SELF-PROPELLED, WALK-BEHIND, HYDRAULICALLY STEERED, TWO-WHEEL DRIVE, RIGID-FRAME, CHAIN-TYPE TRENCHER

U.S.	METRIC
48 IN	1.22 M
32°	32°
84°	84°
3.3-16 IN	85-405 MM
66°	66°
60°	60°
16.3 IN	415 MM
19.3 IN	490 MM
11 IN	280 MM
63 IN	1.6 M
81 IN	2.06 M
43 IN	1.09 M
13.2 IN	335 MM
35.6 IN	905 MM
27 IN	685 MM

142 FPM	43 M/MIN
86 FPM	26 M/MIN
290 FPM	88 M/MIN

18.8 IN	476 MM
1.5 IN	40 MM
11.5 IN	290 MM

MECHANICAL	100-405 MM
------------	------------

1300 LB	590 KG
---------	--------

HONDA GX610	
4-STROKE, OVERHEAD VALVE	
GASOLINE	
AIR	
2	
37.5 IN ³	614 CM ³
3.03 IN	77 MM
2.6 IN	66 MM
18 HP	13.4 KW
3600 RPM	3600 RPM

(DRIVE AND DIG) INFINITELY VARIABLE FROM ZERO TO MAXIMUM, ENCLOSED GEARBOX TO AXLE, SPEED AND DIRECTION CONTROLLED WITH SINGLE LEVER
 MECHANICAL, HAND-OPERATED, SPRING-LOADED WITH TENSION ROLLER FOR BELT DRIVE
 2-GROOVE, 3V POWER BAND
 BELT
 LEVER-OPERATED
 MECHANICAL
 3-GROOVE POWER BAND
 33,000-LB (15 000 KG) OR 35,000-LB (15 875 KG) TEST FORGED AND TEMPERED
 MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT

23 X 8.50-12; 22 PSI	152 KPA
23 X 10.50-12; 22 PSI	152 KPA
16 X 6.50-8; 14 PSI	96 KPA

12.6 GPM	48 L/MIN
----------	----------

RETURN FLOW, 10 MICRON NOMINAL
 BOOM LIFT, STEERING
 DOUBLE ACTING

POWER ON DRIVE AXLE, LEVER-CONTROLLED

5.4 GAL	20.4 L
2.6 PT	1.2 L
5.5 GAL	20.8 L
6.3 GAL	23.7 L
2.5 PT	1.2 L
2.5 PT	1.2 L

26R	
60-80 MIN	
450 AMPS	

DITCH WITCH MODEL 1330, SELF-PROPELLED, HYDRAULIC, WALK-BEHIND, MANUALLY STEERED, TWO-WHEEL DRIVE, RIGID FRAME, CHAIN-TYPE TRENCHER

U.S.	METRIC
36 IN	915 MM
35°	35°
85°	85°
4.3-6 IN	110-150 MM
60°	60°
60°	60°
15 IN	381 MM
18 IN	457 MM
8.6 IN	220 MM
47 IN	1.22 M
84 IN	2.13 M
32 IN	810 MM
10.6 IN	270 MM
33 IN	840 MM
26 IN	660 MM

120 FPM	37 M/MIN
96 FPM	29 M/MIN
275 FPM	84 M/MIN

12 IN	305 MM
4 IN	102 MM
9 IN	229 MM

MECHANICAL	100-152 MM
------------	------------

920 LB	417 KG
--------	--------

HONDA GX390	
4-STROKE, OVERHEAD VALVE	
GASOLINE	
AIR	
1	
23.7 IN ³	389 CM ³
3.5 IN	88 MM
2.5 IN	64 MM
13 HP	9.7 KW
3600 RPM	3600 RPM

HYDRAULIC TWO SPEEDS, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, GEARBOX TO AXLE, SPEED AND DIRECTION CONTROLLED WITH SINGLE LEVER
 N/A
 N/A
 DIRECT DRIVE FROM ENGINE
 LEVER-OPERATED, ONE SPEED FORWARD AND REVERSE
 HYDRAULIC DIRECT DRIVE
 N/A
 33,000-LB (15 000 KG) OR 35,000-LB (15 875 KG) TEST FORGED AND TEMPERED
 MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT

16 X 6.50-8; 28 PSI	193 KPA
18 X 8.50-8; 22 PSI	152 KPA
13 X 5.00-6; 20 PSI	138 KPA

7.1 GPM	26.9 L/MIN
---------	------------

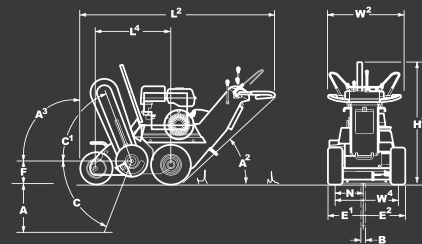
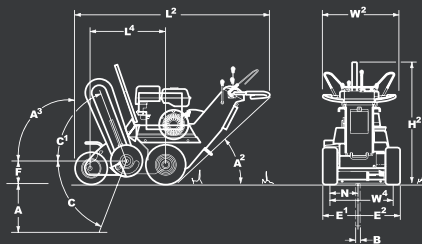
RETURN FLOW, 10 MICRON NOMINAL
 BOOM LIFT
 DOUBLE ACTING

N/A

1.7 GAL	6.5 L
2.3 PT	1.1 L
4.5 GAL	17 L
5 GAL	19 L
2.8 PT	1.3 L
N/A	N/A

N/A	
N/A	
210 AMPS	

*DIMENSIONS ARE BASED ON STANDARD TIRES AND STANDARD BOOM, UNLESS OTHERWISE NOTED.



SPECIFICATIONS

1230

1030

GENERAL

DIMENSIONS*

A TRENCH DEPTH, MAXIMUM*
 A² ANGLE OF APPROACH
 A³ ANGLE OF DEPARTURE
 B TRENCH WIDTH*
 C BOOM TRAVEL, DOWN
 C¹ BOOM TRAVEL, UP
 E¹ CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, LEFT
 E² CENTERLINE TRENCH TO OUTSIDE EDGE OF MACHINE, RIGHT
 F HEADSHAFT HEIGHT, DIGGING CHAIN
 H² TRANSPORT HEIGHT
 L² TRANSPORT LENGTH
 L¹ WHEELBASE
 N SPOILS DISCHARGE REACH
 W¹ WIDTH, TRANSPORT
 W² TREAD

OPERATION

VEHICLE SPEEDS
 DIGGING CHAIN SPEED
 SPOILS HANDLING (SINGLE, OPEN-END AUGER) AUGER-SIZE
 OUTER DIAMETER
 INNER DIAMETER
 LENGTH
 TRENCHER CLEANER TYPE
 TRENCHER CLEANER SIZE
 OPERATING WEIGHT (BASED ON ROLLER BOOM AND NARROW-WIDTH DIGGING CHAIN)

POWER

ENGINE
 TYPE
 FUEL
 COOLING MEDIUM
 NUMBER OF CYLINDERS
 DISPLACEMENT
 BORE
 STROKE
 MANUFACTURER'S POWER RATING
 RATED SPEED

POWER TRAIN

GROUND DRIVE TRANSMISSION
 PUMP DRIVE CLUTCH
 DIGGING CHAIN CLUTCH
 TRENCHER DRIVE
 BELT
 DIGGING CHAIN
 CHAIN DRIVE SPROCKET
 SPOILS HANDLING DRIVE

TIRES/PRESSURE

DRIVE, STANDARD
 DRIVE, OPTIONAL
 TRAIL

HYDRAULIC SYSTEM

DRIVE PUMP CAPACITY @ 2500 RPM
 FILTRATION
 HYDRAULIC DRIVE MOTOR
 TORQUE @ 1000 PSI (69 BAR) AND 9.8 GPM (37 L/MIN)
 SPEED @ 1000 PSI (69 BAR) AND 9.8 GPM (37 L/MIN)
 DISPLACEMENT
 TYPE

FLUID CAPACITIES

FUEL TANK
 ENGINE OIL
 HYDRAULIC RESERVOIR
 HYDRAULIC SYSTEM
 AXLE OIL
 HEADSHAFT GEARBOX OIL

DITCH WITCH MODEL 1230 SELF-PROPELLED WALK-BEHIND, MANUALLY STEERED, TWO-WHEEL DRIVE, RIGID-FRAME, CHAIN-TYPE TRENCHER

U.S.	METRIC
36 IN	910 MM
35°	35°
65°	65°
4.3-6 IN	110-150 MM
60"	60"
47"	47"
15 IN	381 MM
17 IN	432 MM
8.6 IN	220 MM
47 IN	1.17 M
88 IN	2.24 M
32 IN	810 MM
10.6 IN	270 MM
32 IN	800 MM
26 IN	660 MM

155 FPM	47 M/MIN
276 FPM	84 M/MIN
12 IN	305 MM
4 IN	102 MM
9 IN	229 MM
MECHANICAL	
4-6 IN	100-152 MM
905 LB	410.5 KG

HONDA GX390	
4-STROKE, OVERHEAD VALVE	
GASOLINE	
AIR	
1	
23.7 IN³	389 CM³
3.5 IN	88 MM
2.5 IN	64 MM
13 HP	9.7 KW
3600 RPM	3600 RPM

HYDROSTATIC, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, GEARBOX TO AXLE, SPEED AND DIRECTION CONTROLLED WITH SINGLE LEVER
 MECHANICAL, HAND-OPERATED, SPRING-LOADED WITH TENSION ROLLER FOR BELT DRIVE
 MECHANICAL, HAND-OPERATED, SPRING-LOADED WITH TENSION ROLLER FOR BELT DRIVE
 MECHANICAL; BELT DRIVE TO REDUCTION DRIVE, HEADSHAFT
 2-GROOVE POWER BAND
 33,000-LB (15,000 KG) OR 35,000-LB (15,875 KG) TEST FORGED AND TEMPERED
 MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT

16 X 6.50-8; 28 PSI	193 KPA
18 X 8.50-8; 22 PSI	152 KPA
13 X 5.00-6; 20 PSI	138 KPA

9.8 GPM	37.1 L/MIN
RETURN FLOW, 10 MICRON NOMINAL	
714 IN•LB	81 N•M
369 RPM	369 RPM
6 IN³/REV	98 CM³/REV
BI-DIRECTIONAL	

1.7 GAL	6.5 L
2.3 PT	1.1 L
4.5 GAL	17 L
5 GAL	18.9 L
2.8 PT	1.3 L
2 PT	1 L

DITCH WITCH MODEL 1030 SELF-PROPELLED WALK-BEHIND, MANUALLY STEERED, TWO-WHEEL DRIVE, RIGID-FRAME, CHAIN-TYPE TRENCHER

U.S.	METRIC
30 IN	760 MM
35°	35°
65°	65°
4.3-6 IN	110-150 MM
60"	60"
47"	47"
15 IN	381 MM
17 IN	432 MM
8.6 IN	220 MM
47 IN	1.17 M
88 IN	2.24 M
32 IN	813 MM
10.6 IN	270 MM
32 IN	813 MM
26 IN	660 MM

155 FPM	47 M/MIN
276 FPM	84 M/MIN
12 IN	305 MM
4 IN	102 MM
9 IN	229 MM
MECHANICAL	
4-6 IN	100-152 MM
900 LB	408 KG

HONDA GX340	
4-STROKE, OVERHEAD VALVE	
GASOLINE	
AIR	
1	
20.6 IN³	337 CM³
3.2 IN	82 MM
2.5 IN	64 MM
11 HP	8.2 KW
3400 RPM	3400 RPM

HYDROSTATIC, INFINITELY VARIABLE FROM ZERO TO MAXIMUM, GEARBOX TO AXLE, SPEED AND DIRECTION CONTROLLED WITH SINGLE LEVER
 MECHANICAL, HAND-OPERATED, SPRING-LOADED WITH TENSION ROLLER FOR BELT DRIVE
 MECHANICAL, HAND-OPERATED, SPRING-LOADED WITH TENSION ROLLER FOR BELT DRIVE
 MECHANICAL; BELT DRIVE TO REDUCTION DRIVE, HEADSHAFT
 2-GROOVE POWER BAND
 33,000-LB (15,000 KG) OR 35,000-LB (15,875 KG) TEST FORGED AND TEMPERED
 MECHANICAL, ATTACHED TO AND ROTATES WITH HEADSHAFT

16 X 6.50-8; 28 PSI	193 KPA
18 X 8.50-8; 22 PSI	152 KPA
13 X 5.00-6; 20 PSI	138 KPA

9.8 GPM	37.1 L/MIN
RETURN FLOW, 10 MICRON NOMINAL	
643 IN•LB	73 N•M
410 RPM	410 RPM
5.4 IN³/REV	88.5 CM³/REV
BI-DIRECTIONAL	

1.7 GAL	6.5 L
2.3 PT	1.1 L
4.5 GAL	17 L
5 GAL	18.9 L
2.8 PT	1.3 L
2 PT	1 L

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. CONTAINS PATENTED FEATURES. *DIMENSIONS ARE BASED ON 16 X 6.50-8 TIRES AND 24-INCH (610 MM) DEPTH BOOM (EXCEPT FOR REFERENCE A).



THE CHARLES MACHINE WORKS, INC. DITCH WITCH WORLDWIDE HEADQUARTERS PERRY, OK 73077-0066 U.S.A.

TOLL FREE 800 654 6481 PHONE 580 336 4402 FAX 580 336 3458 INTERNATIONAL FAX 580 572 3561

TO FIND THE DEALER NEAREST YOU, VISIT DITCHWITCH.COM

GROUNDBREAKING™ EQUIPMENT FROM THE COMPANY THAT LAUNCHED THE INDUSTRY

COMPACT UTILITY | TRENCHERS | HDD | ELECTRONICS

CERTIFIED QUALITY
MANAGEMENT SYSTEM
ISO 9001:2000

LFCMWM2137-0405-1