



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
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1300 LB	590 KG
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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
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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
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920 LB	417 KG
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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
16 X 5.00-6; 20 PSI	138 KPA

7.1 GPM	26.9 L/MIN
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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.