410SX

VIBRATORY PLOW



Ditch Witch®

410SX

The Ditch Witch® 410SX is the most outstanding articulated-steer vibratory drop plow in its horsepower class. With dozens of innovative features, including an oscillating rear axle that keeps the machine's four-wheel drive engaged, the 410SX quickly and efficiently installs communication lines, natural gas and water services, or a complete underground sprinkler system without digging a trench. Need a trench? The 410SX can do that, too.



TRAVERSING PLOW OPTION

1 Optional front-mounted trencher attachment features an auger for fast spoils removal.

2 When attachment or ground drive is engaged, operator-presence system stops the engine when you release the control.

3 Operator's station features easily accessible, easy-to-understand, color-coded controls; one lever controls ground speed, direction and steering.

4 Emissions-compliant engine is enclosed for quiet operation, and vibration-isolated to reduce operator fatigue.

5 Vibratory plow trolley automatically centers itself when the plow blade is raised from the ground; a manual lock secures the trolley during transport.

6 Oscillating rear axle keeps four-wheel drive engaged, for excellent traction and drawbar.

7 Articulated-frame steering enables maneuvering around trees and other obstacles.

8 49.6-gross-hp (37-kW) Kubota® gas engine provides the power you need for the most demanding conditions.

410SX VIBRATORY PLOW

DIMENSIONS	U.S.	METRIC
Height		
from top of raised plow	58 in	1.5 m
from top of 2' boom and chain	63.5 in	1.61 m
Length		
w/ traversing plow	165 in	4.2 m
w/ trencher	151 in	3.8 m
w/o traversing plow	132 in	3.4 m
w/o trencher	118 in	3 m
Transport Width		
23 x 10.50 dual tires	56 in	1.4 m
26 x12-12 tires	48.5 in	1.2 m
Wheelbase	46 in	1.17 m
Plow cover depth	24 in	610 mm
Weight		
Basic unit with 24-in blade and 24-in chain	5,510 lb	2499 kg
Centerline of plow, blade centered	24 in	610 mm
Centerline of plow, blade fully traversed	8 in	203 mm
Trench width, H400 trencher	3.5 - 6 in	89 - 152 mm
Trench depth, max, H400 trencher	36 in	914 mm

OPERATION

Ground drive speed		
Forward (26 x 12-12 tires)	2.9 mph	4.6 km/h
Forward (23 x 10.50-12 tires)	2.5 mph	4.0 km/h
Reverse (26 x 12-12 tires)	1.5 mph	2.5 km/h
Reverse (23 x 10.50-12 tires)	1.3 mph	2.1 km/h
Material installation diameter, max		
Pull blade	3 in	75 mm

FLUID CAPACITIES	U.S.	METRIC
Fuel tank	8.5 gal	32.2 L
Hydraulic reservoir	13.2 gal	50 L
Engine oil w/ filter	5.5 qt	5.2 L

BATTERY

SAE cold crank rating @ 0°F (-18°C)	800 amps

POWER

Engine	Kubota® WG1605-G-E3	
Fuel	Unleaded gasoline	
Cooling medium	Liquid	
Number of cylinders	4	
Displacement	93.79 in^3	1.537 L
Bore	3.11 in	79 mm
Stroke	3.09 in	78.4 mm
Manufacturer's gross power rating (per SAE J1995)	49.6 hp	37 kW
Rated speed	3,600 rpm	
Tires, max	26 x 12-12	

HYDRAULIC SYSTEM

Ground drive		
Pressure	4,000 psi	276 bar
Flow rate	18 gpm	68 l/min
Attachment		
Pressure	3,000 psi	207 bar
Flow rate	20.3 gpm	77 l/min
Auxiliary		
Pressure	2,000 psi	138 bar
Flow rate	8.4 gpm	31.8 l/min

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.

VIBRATORY PLOW PARTS, ACCESSORIES AND SUPPORT:



DEALER SERVICE AND SUPPORT

Whether it's new or used equipment, parts, service, financing, or all of the above, your Ditch Witch® dealer is prepared to offer you the best of everything. Ditch Witch dealers are chosen for their commitment to the underground construction profession, and they are thoroughly trained to represent the highest standards in the industry.

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