



DITCH WITCH®

420SX VIBRATORY PLOW

Small plow operators of the world, have a seat. With the Ditch Witch 420sx, you can experience the comfort of an operator's station designed with you in mind, and performance like nothing you've ever seen, all in a riding package that's about the same size as a pedestrian model. So have a seat. If you had to walk beside it, you couldn't keep up anyway.



KEY FEATURES

Plows in more feet of product per minute than anything in its class.

Excellent ground-following capability for more accurate installations in even the most uneven terrain.

Designed with an operator's console that moves with the operator when the frame articulates, so controls are always in the same place in relation to the operator.

41-hp (30.5-kW) Deutz diesel engine provides superior productivity in a pedestrian-size package.

DETAILS

Exclusive dual-speed attachment drive helps 420sx operators respond to changing ground conditions for optimal productivity in all soil types.

Quick-disconnect attachment fittings make it easy to use optional trenching and drilling attachments and make the 420sx extremely versatile.

Exclusive fold-down ROPS reduces the unit's overall height by 20 inches (510 mm) and enables it to operate under tree limbs, eaves, and other low-hanging obstacles.

An improved headshaft design and large auger on the optional trenching attachment help make the 420sx a true production trencher.

Increased ground speed and single, pilot-operated control for both the ground drive and steering make the 420sx easy and efficient to operate.

An 11-gallon (41.6-L) fuel tank allows you to work longer without stopping to refuel.

SPECIFICATIONS

420SX

DIMENSIONS

OVERALL HEIGHT
TRANSPORT LENGTH
WITH PLOW BLADE, NO TRENCHER
WITH PLOW BLADE AND TRENCHER
OVERALL LENGTH
WITH PLOW BLADE, NO TRENCHER
WITH PLOW BLADE AND TRENCHER
WHEELBASE
WIDTH
WEIGHT (WITH PLOW BLADE, NO TRENCHER)
GROUND CLEARANCE

U.S.	METRIC
91 IN	2.31 M
137 IN	3.48 M
192 IN	4.87 M
142 IN	3.61 M
173 IN	4.39 M
46 IN	1.17 M
49.5 IN	1.26 M
3852 LB	1438 KG
6 IN	152 MM

OPERATION

GROUND DRIVE SPEED, FORWARD
GROUND DRIVE SPEED, REVERSE
MAXIMUM PIPE OR CABLE DIAMETER
PULL-TYPE PLOW BLADE
FEED-TYPE PLOW BLADE
MAXIMUM PLOW DEPTH
TURNING DIAMETER (WALL-TO-WALL)
ANGLE OF APPROACH
ANGLE OF DEPARTURE (WITH PLOW BLADE)

3.82 MPH	6.15 KM/H
2.72 MPH	4.38 KM/H
3 IN	76 MM
1 IN	25 MM
24 IN	610 MM
19.5 FT	5.9 M
22.5°	22.5°
22.5°	22.5°

HYDRAULIC SYSTEM

GROUND DRIVE PUMP
FLOW RATE
PRESSURE
ATTACHMENT PUMP
FLOW RATE (LOW SPEED, HIGH SPEED)
PRESSURE

24.7 GPM	93.5 L/MIN
3750 PSI	258.5 BAR
15.7, 19.5 GPM	59.4, 73.8 L/MIN
3000 PSI	206.8 BAR

POWER

ENGINE
COOLING MEDIUM
NUMBER OF CYLINDERS
DISPLACEMENT
BORE
STROKE
NET POWER RATING PER SAE J1349
RATED SPEED

DEUTZ F3L2011 OIL/INTEGRATED	
3	3
142 CU IN	2.3 L
3.7 IN	94 MM
4.4 IN	112 MM
41 HP	30.5 KW
2300 RPM	2300 RPM

FLUID CAPACITIES

FUEL TANK
ENGINE OIL, INCLUDING FILTER
HYDRAULIC RESERVOIR

11.1 GAL	42 L
2.0 GAL	7.6 L
9.7 GAL	36.7 L

BATTERY

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

110 MIN	110 MIN
800 AMPS	800 AMPS

NOISE LEVELS

OPERATOR SOUND PRESSURE PER ISO 6394
EXTERIOR SOUND POWER PER ISO 6393

89 DBA	89 DBA
105 DBA	105 DBA

H401 TRENCHER

TRENCH WIDTH
MAXIMUM TRENCH DEPTH
BOOM TRAVEL UP
BOOM TRAVEL DOWN
HEADSHAFT SPEED
DIGGING CHAIN SPEED

3.5 - 6.0 IN	89 - 152 MM
36 IN	914 MM
79°	79°
59°	59°
225 RPM	225 RPM
315 FT/MIN	96 M/MIN

UNLESS OTHERWISE NOTED, MEASUREMENTS ARE FOR UNIT EQUIPPED WITH 26X12X12 TIRES. SPECIFICATIONS ARE GENERAL AND SUBJECT TO CHANGE WITHOUT NOTICE. IF EXACT MEASUREMENTS ARE REQUIRED, EQUIPMENT SHOULD BE WEIGHED AND MEASURED.