



DIMENSIONAL:			
	U.S.	METRIC	
A	Maximum cover depth	13.5	340 mm
	*Max. penetration depth	16.2	410 mm
A ²	Angle of approach, w/reel carrier	41°	41°
	w/o reel carrier	53°	53°
	w/25 in. reel	28°	28°
A ¹	Angle of departure, w/12 in. blade	19°	19°
A ³	Angle of departure, w/o blade	40°	40°
H ²	Operating/Transport height	46 in	1.17 m
J	Blade ground clearance	15.4 in	390 mm
L ²	Length plowing w/o Reel Carrier	100.5 in	2.55 m
L ³	Length transport, w/o Reel Carrier	108 in	2.74 m
L ⁴	Wheelbase	34 in	860 mm
W	Width transport, maximum	35.8 in	910 mm
	minimum	31.5 in	800 mm
W ¹	Tread front/rear, STD	25/25.8 in	635/655 mm
	rear, OPT	21.5 in	550 mm
	Width plow unit	17.5 in	440 mm
	Centerline plow to outside edge machine, blade centered, STD	18 in	460 mm
	OPT	15.75 in	400 mm

NOTE: Dimensions are based on unit equipped with 12-inch plow blade. For empty Reel Carrier, add 12 inches to overall lengths. *Suggested maximum blade length. Actual plow blade length will be determined by job requirements and soil conditions.

OPERATIONAL:		
Vehicle speeds @ 3400 rpm:		
Maximum transit forward	215 fpm	65.5 m/min
Maximum crowd forward	83 fpm	25.5 m/min
Maximum transit reverse	215 fpm	65.5 m/min
Maximum crowd reverse	83 fpm	25.5 m/min
Nominal plow-in depth	8-12 in	152-305 mm
Maximum bullet diameter, pull blade	3 in	76 mm
Inside diameter feed tube, feed blade	1 in	25 mm
Vehicle clearance circle, wall to wall(SAE), axle locked, mobile	26 ft	7.9 m
axle unlocked, mobile	19 ft	5.8 m
Operating weight	1650 lb	748 kg
Operator orientation	Facing front of vehicle in full view of all operations	

POWER OPTIONS:		
Engine (Onan P224) Gasoline-		
Cooling medium	Air	
Number of cylinders	Two	
Displacement	60 in ³	983 cm ³
Bore	3.56 in	90.4 mm
Stroke	3.00 in	76 mm
Engine manufacturer's gross power rating @ 3400 rpm	24.5 HP	18.3 kW
*Maximum governed speed as installed (no load)	3400 rpm	3400 rpm
Flywheel power @ 3200 rpm (full load)	23.5 HP	17.5 kW

POWER TRAIN:	
Ground drive transmission	Hydrostatic drive, infinitely variable from zero to maximum, lever-operated speed and direction controls
Brake, service	Direction control brakes machine hydraulically when moved to neutral position
Brake, parking	Disc brake, hand-operated

Tires, load rating @ recommended pressure @ 10mph (16 km/h)			
16 x 6.50-8, front	620 lb	281 kg	@ 28 psi @ 1.9 bar
23 x 10.50-12, rear	1340 lb	608 kg	@ 20 psi @ 1.4 bar

Plow drive transmission Hydrostatic, lever operated

HYDRAULIC SYSTEM:		
Pump capacity @ 3200 rpm: Relief valve setting 2000 psi (138 bar):		
Mobile range, bore motor, plow vibrator		
(SEC #1)	12.5 gpm	47.3 Lpm
CROWD range (SEC #2)	6.7 gpm	25.4 Lpm
Plow lift and steer (SEC #3)	3.6 gpm	13.6 Lpm
Hydraulic motor, ground drive (each)		
Torque @ 2050 psi (155 bar) and 3.3 gpm (12.5 L/min)	7353 in•lb	831 N•m
Speed @ 2250 psi (155 bar) and 3.3 gpm (12.5 L/min)	41 rpm	41 rpm
Displacement/rev (bidirectional)	24 in ³	393.3 cm ³
Hydraulic motor, vibrator		
Torque @ 2000 psi (138 bar) and 12.5 gpm (47.3 L/min)	399 in•lb	45 N•m
Speed @ 2000 psi (138 bar) and 12.5 gpm (47.3 L/min)	1560 rpm	1560 rpm
Displacement/rev	1.48 in ³	24.25 cm ³
Hydraulic motor, boring		
Torque @ 2000 psi (138 bar) and 12.5 gpm (47.3 L/min)	5140 in•lb	581 N•m
Speed @ 2000 psi (138 bar) and 12.5 gpm (47.3 L/min)	139 rpm	139 rpm
Displacement/rev (bidirectional)	18.7 in ³	306.4 cm ³

Filtration	
Suction	Strainer w/bypass 100 mesh
Return	Filter w/bypass 10 micron nominal

Hydraulic cylinders	
Function	Steering, plow lift
Type	Double-acting

STEERING:	
Type	Power, front wheels, lever-controlled

FLUID CAPACITIES:	
Fuel tank	9 gal / 34 L
Engine lubrication oil, incl. filter	4 qt / 3.8 L
Vibrator oil	24 oz / 710 mL
Hydraulic oil, system	13 gal / 49.2 L
Tank	10.5 gal / 39.7 L

BATTERY:
Group U1—SAE res. cap. 32 min., SAE cold crank @ 0 °F (-18 °C) 200 amp.

OPTIONAL EQUIPMENT:
Reel Carrier—Maximum reel weight 100 lb (45.4 kg); Maximum reel diameter 25 in. (635 mm)
Boring attachment

Specifications are called out according to SAE recommended practices. 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.

ISO-9001 Quality System Certified

