



| DIMENSIONAL:   | U.S.       | METRIC     |
|--|------------|------------|
| A. Maximum cover depth                                       | 13.5       | 340 mm     |
| *Max. penetration depth                                      | 16.2       | 410 mm     |
| A <sup>2</sup> . Angle of approach, w/reel carrier           | 41°        | 41°        |
| w/o reel carrier   | 53°        | 53°        |
| w/25 in. reel  | 28°        | 28°        |
| A <sup>3</sup> . Angle of departure, w/12 in. blade          | 19°        | 19°        |
| A <sup>3</sup> . Angle of departure, w/o blade               | 40°        | 40°        |
| H <sup>2</sup> . Operating/Transport height                  | 46 in      | 1.17 m     |
| J. Blade ground clearance                                    | 15.4 in    | 390 mm     |
| L <sup>1</sup> . Length plowing w/o Reel Carrier             | 100.5 in   | 2.55 m     |
| L <sup>2</sup> . Length transport, w/o Reel Carrier          | 108 in     | 2.74 m     |
| L <sup>3</sup> . Wheelbase                                   | 34 in      | 860 mm     |
| W. Width transport, maximum                                  | 35.8 in    | 910 mm     |
| minimum  | 31.5 in    | 800 mm     |
| W <sup>1</sup> . 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:   | U.S.   | METRIC     |
|--|--|------------|
| <i>Vehicle speeds @ 3400 rpm:</i>                                |  |            |
| 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  | 6-12 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:                                      | U.S.               | METRIC              |
|---|--------------------|---------------------|
| Engine (Onan P224) Gasoline-                        |                    |                     |
| Cooling medium                                      | Air                |                     |
| Number of cylinders                                 | Two                |                     |
| Displacement  | 60 in <sup>3</sup> | 983 cm <sup>3</sup> |
| 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:              | U.S.   | METRIC |
|---------------------------|--|--------|
| 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) | U.S.             | METRIC           |
|---|------------------|------------------|
| 16 x 6.50-8, front  | 620 lb @ 28 psi  | 281 kg @ 1.9 bar |
| 23 x 10.50-12, rear   | 1340 lb @ 20 psi | 608 kg @ 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 <sup>3</sup>   | 393.3 cm <sup>3</sup> |
| 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 <sup>3</sup> | 24.25 cm <sup>3</sup> |
| 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 <sup>3</sup> | 306.4 cm <sup>3</sup> |

| Filtration | U.S.                              | METRIC |
|------------|-----------------------------------|--------|
| Suction    | Strainer w/bypass 100 mesh        |        |
| Return     | Filter w/bypass 10 micron nominal |        |

| Hydraulic cylinders | U.S.                | METRIC |
|---------------------|---------------------|--------|
| 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

