

647 ROTARY TILLER, PLOW, DISK, CULTIVATOR, AND GENERATOR FOR X700 ULTIMATE™ TRACTORS



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FEATURES

1) 647 ROTARY TILLER

- The 647 Rotary Tiller is ideal for homeowners and commercial customers such as golf courses, hospitals, schools, and nurseries.
- Mounts to all X700 Ultimate™ Tractors equipped with a 3-point hitch and 540-rpm rear PTO.
- Large, replaceable tines and a heavy-duty tubular-tine shaft provide excellent performance and durability. Able to lift and mix soil for a uniform seedbed.
- The tine housing is formed high with plenty of clearance around tines for rocks and trash to pass through or recirculate without getting caught in the tines.
- Side-shaft-driven design allows tines to be evenly spaced to the full 48-inch width of the machine.
- Hinged tine shield follows the ground surface to smooth the soil for a good seedbed. Cowling, end-covers, and a rear shield trap rocks and other debris, protecting operator, bystanders, and buildings.
- Tiller is raised and lowered by the tractor hydraulic-lift system. Skid shoes on each side of the tiller housing provide more-precise tilling depth. Four adjustable positions accommodate various tilling conditions.

- Preset friction clutch in tiller drive assembly provides protection for both the tiller and tractor drivelines.

NOTE: Ballast may be required on some models. See John Deere Price List or Operator's Manual for required ballasting.

2) PLOW

- Ideal for the gardener, nursery or landscape contractor.
- Mounts to all X-Series Tractors equipped with a 3-point hitch.
- This heavy-duty plow is specifically designed for deep tillage or breaking up fields and plots of sod.

3) DISK

- Perfect for homeowners, nurseries and landscape contractors.
- Mounts to all X700 Series Tractors equipped with a 3-point hitch.
- Designed for smoothing out ground and breaking up large dirt clods caused by plowing, this unit is also handy when preparing seed beds for planting.

4) CULTIVATOR

- Designed for homeowners, gardeners and nurseries.
- Mounts to all X700 Series Tractors equipped with a 3-point hitch.
- The best solution for shallow tillage in lighter soils.
- Can be used to weed row crops or for seed bed preparation.

5) 10K GENERATOR

- Conveniently mounted to 3-Point Hitch for easy transport.
- Powered by Tractors 540 RPM PTO to eliminate the need for a separate engine.
- 10,560 watts peak and 9600 watts of continuous power.
- 120- and 240-volt outlets.

SPECIFICATIONS

647 Rotary Tiller for X700 Series Tractors

Tilling Width	48 in. (1219 mm)
Rotor Diameter .....	.14 in. (356 mm)
Rotor Length	48 in. (1219 mm)
Rotor Bearing (Left End)	Ball bearing in oil bath
Rotor Bearing (Right End)	Greaseable ball bearing
Counter Shaft Bearings	Sealed ball bearings
Drive	Tractor 540-rpm PTO
Rotor rpm	253 rpm
Rotor Tip Speed	929 ft./min. (283 m/min)
Height of Lift	7½ in. (191 mm)
Tilling Depth (Maximum) .....	.7 in. (178 mm)
Weight (Approx.) .....	.321 lb. (146 kg)

Plow for X700 Series Tractors

Type .....	.1 bottom, 3-point hitch mounted (Category 1 or Limited Category 1)
Mainframe	Twin solid steel beams, ½ in. x 2¼ in. (13 mm x 57 mm)
Furrow Width	Manually adjustable from 8- to 14-in. (203- to 356-mm)
Standards	Welded ¾-in. x 2-in. (19 mm x 51 mm) heat-treated steel
Type of Protection	Shear bolt (standard equipment)
Depth Control	Adjustable gauge wheel
Maximum Plowing Depth	6 in. (152 mm)
Weight .....	.116 lb. (53 kg)

Disk for X700 Series Tractors

Type	Tandem disk, 3-point hitch mounted (Category 1 or Limited Category 1)
Size	52 in. (1321 mm), adjustable from 42- to 52-in. (1067- to 1321-mm) working width
Frame	Bolted construction, designed to hold concrete blocks for ballast
Gang Configuration	Tandem
Gang Construction	2 x 3-in. (51 x 76 mm) angle iron
Gang Angle	Adjustable 10-, 15-, or 20-degrees
Gang Bearings	Greaseable
Gang Bolt	¾-in. (19 mm) round
Blade Construction .....	.11-in. (279 mm) diameter, 13-gauge steel
Weight .....	.198 lb. (90 kg)

Cultivator for X700 Series Tractors

Type	3-point hitch mounted (Category 1 or Limited Category 1)
Size	46 in. (1168 mm), adjustable from 30- to 46-in. (762- to 1168-mm) working width
Frame	2½-in. x 2½-in. (64 x 64 mm) ⅝-in. (8 mm) angle iron
Shanks .....	.8 heavy duty ¼-in. (6 mm) thick tempered hot-rolled steel
Mast	Steel; double-braced front to rear
Under-mast Clearance	20 in. (51 mm)
Weight .....	.80 lb. (36 kg)

Generator for X700 Series Tractors

Weight (Operating) .....	.194 lb. (88kg)
Height (Approximate) .....	.3075 in. (78.1 cm)
Width .....	.2713 in. (68.9 cm)
Length .....	.3125 in. (79.4 cm)
PTO Input Shaft	6-spline, 1-3/8-in diameter
Gear Oil .....	.80W90 GL Gear Lube
Gear Oil Capacity .....	.063 L (23 oz.)
Watts (AC Rated):	
(Continuous) at Power Factor 1 .....	.9600
(Peak) .....	.10560
Rated Voltage (AC)	120/240
Rated Amperage:	
(120 VAC) at Each Outlet at 40° C (104° F) .....	.20
(240 VAC) at Outlet at 40° C (104° F) .....	.40
Frequency .....	.60 Hz
Phase .....	.Single