



9600 Series Field Cultivator Specifications

Product Attributes	9630-20	9630-24	9630-28	9630-30NC
Hitch Style	Self-Leveling Hitch	Self-Leveling Hitch	Self-Leveling Hitch	Self-Leveling Hitch
Approximate Weight - Spring Shanks	9,600 lbs. (3,130 kg)	10,165 lbs. (4,611 kg)	10,625 lbs. (4,819 kg)	10,885 lbs. (4,937 kg)
Approximate Weight - S-Tine Shanks	8,985 lbs. (4,076 kg)	9,430 lbs. (4,277 kg)	9,770 lbs. (4,432 kg)	9,960 lbs. (4,518 kg)
Working Width	20 ft. 6 in. (6.2 m)	24 ft. 6 in. (7.5 m)	28 ft. 6 in. (8.7 m)	30 ft. 6 in. (9.3 m)
Transport Width	16 ft. 0 in. (4.9 m)	15 ft. 6 in. (4.7 m)	15 ft. 1 in. (4.6 m)	15 ft. 1 in. (4.6 m)
Transport Height	9 ft. 3 in. (2.8 m)	11 ft. 1 in. (3.4 m)	13 ft. 0 in. (4.0 m)	13 ft. 10 in. (4.2 m)
Number of Shanks	41	49	57	61
Number of Shanks per Section	9--23--9	13--23--13	17--23--17	19--23--19
Shank Type	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks
Shank Size	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge
Point Load	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)
Spring Shank Tower	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components
Spring Shank Pivots	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing
Spring Size	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter
Shank Spacing	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern
Spacing Between Shank Rows	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum
Shank Position	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires
Sweeps	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount
Under Frame Clearance	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)
Fore-to-Aft Depth	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)
Frame	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)
Frame Construction	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded
Frame Type	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints
Transport Lift Axles	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System
Walking Tandems	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings
Tire Size - Main Frame	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 320/70Rx15 Radial Tires	(4) 320/70Rx15 Radial Tires
Wheel Hubs - Main Frame	6-Bolt	6-Bolt	8-Bolt	8-Bolt
Spindles - Main Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
Tire Size - Wing Frame	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires
Wheel Hubs - Wing Frame	6-Bolt	6-Bolt	6-Bolt	6-Bolt
Spindles - Wing Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
Hitch Type	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment
Hitch Category	Cat. III Ball Hitch	Cat. III Ball Hitch	Cat. III Ball Hitch	Cat. III Ball Hitch
Machine Depth Control	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted
Hydraulics	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders
Gauge Wheels	Optional	Optional	(2) 20.5x8-8 Ply Standard	(2) 20.5x8-8 Ply Standard
Safety Warning Lights & SMV Emblem	Standard	Standard	Standard	Standard
Safety Chain Kit	Standard	Standard	Standard	Standard
Powder Coat Paint, Blue Sapphire	Standard	Standard	Standard	Standard
Rear Hitch with Hydraulic Hoses	Optional	Optional	Optional	Optional
Cat. V Ball Hitch	N/A	N/A	N/A	N/A
9 in. Sweeps	Optional	Optional	Optional	Optional
8 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
9 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
Spare Tire and Wheel	Optional	Optional	Optional	Optional
Flexible Five Row Spike Harrow	Optional	Optional	Optional	Optional
Four Row Coil Tine Harrow	Optional	Optional	Optional	Optional
Three Row Spike and Reel	Optional	Optional	Optional	Optional
Three Row Tine and Reel	Optional	Optional	Optional	Optional
Three Row Spike and Double Flat Blade Reel	N/A	N/A	N/A	N/A
Horsepower Requirements	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot



9600 Series Field Cultivator Specifications

Product Attributes	9630-30	9630FH-30	9630-32	9630FH-32
Hitch Style	Self-Leveling Hitch	Floating Hitch	Self-Leveling Hitch	Floating Hitch
Approximate Weight - Spring Shanks	11,500 lbs. (5,216 kg)	17,000 lbs. (7,711 kg)	11,720 lbs. (5,316 kg)	17,220 lbs. (7,811 kg)
Approximate Weight - S-Tine Shanks	10,585 lbs. (4,801 kg)	16,085 lbs. (7,623 kg)	10,745 lbs. (4,874 kg)	16,245 lbs. (7,369 kg)
Working Width	30 ft. 6 in. (9.3 m)	30 ft. 6 in. (9.3 m)	32 ft. 6 in. (9.9 m)	32 ft. 6 in. (9.9 m)
Transport Width	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)
Transport Height	13 ft. 0 in. (4.0 m)	13 ft. 0 in. (4.0 m)	13 ft. 10 in. (4.2 m)	13 ft. 10 in. (4.2 m)
Number of Shanks	61	61	65	65
Number of Shanks per Section	17--27--17	17--27--17	19--27--19	19--27--19
Shank Type	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks
Shank Size	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge
Point Load	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)
Spring Shank Tower	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components
Spring Shank Pivots	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing
Spring Size	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter
Shank Spacing	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern
Spacing Between Shank Rows	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum
Shank Position	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires
Sweeps	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount
Under Frame Clearance	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)
Fore-to-Aft Depth	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)
Frame	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)
Frame Construction	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded
Frame Type	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints
Transport Lift Axles	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System
Walking Tandems	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings
Tire Size - Main Frame	(4) 320/70Rx15 Radial Tires	(4) 320/70Rx15 Radial Tires	(4) 320/70Rx15 Radial Tires	(4) 320/70Rx15 Radial Tires
Wheel Hubs - Main Frame	8-Bolt	8-Bolt	8-Bolt	8-Bolt
Spindles - Main Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
Tire Size - Wing Frame	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires
Wheel Hubs - Wing Frame	6-Bolt	6-Bolt	6-Bolt	6-Bolt
Spindles - Wing Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
Hitch Type	Self-Leveling with Manual Adjustment	Floating Hitch	Self-Leveling with Manual Adjustment	Floating Hitch
Hitch Category	Cat. IV Ball Hitch	Cat. IV Ball Hitch	Cat. IV Ball Hitch	Cat. IV Ball Hitch
Machine Depth Control	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted
Hydraulics	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders
Gauge Wheels	(2) 20.5x8-8 Ply Standard	(4) 280/70Rx15 Standard	(2) 20.5x8-8 Ply Standard	(4) 280/70Rx15 Standard
Safety Warning Lights & SMV Emblem	Standard	Standard	Standard	Standard
Safety Chain Kit	Standard	Standard	Standard	Standard
Powder Coat Paint, Blue Sapphire	Standard	Standard	Standard	Standard
Rear Hitch with Hydraulic Hoses	Optional	Optional	Optional	Optional
Cat. V Ball Hitch	N/A	N/A	N/A	N/A
9 in. Sweeps	Optional	Optional	Optional	Optional
8 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
9 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
Spare Tire and Wheel	Optional	Optional	Optional	Optional
Flexible Five Row Spike Harrow	Optional	Optional	Optional	Optional
Four Row Coil Tine Harrow	Optional	Optional	Optional	Optional
Three Row Spike and Reel	Optional	Optional	Optional	Optional
Three Row Tine and Reel	Optional	Optional	Optional	Optional
Three Row Spike and Double Flat Blade Reel	Optional	Optional	Optional	Optional
Horsepower Requirements	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot



9600 Series Field Cultivator Specifications

Product Attributes	9630-34	9630FH-34	9650-38	9650FH-38
Hitch Style	Self-Leveling Hitch	Floating Hitch	Self-Leveling Hitch	Floating Hitch
Approximate Weight - Spring Shanks	11,940 lbs. (5,416 kg)	17,440 lbs. (7,911 kg)	16,440 lbs. (7,457 kg)	24,710 lbs. (11,208 kg)
Approximate Weight - S-Tine Shanks	10,905 lbs. (4,946 kg)	16,405 lbs. (7,441 kg)	15,210 lbs. (6,899 kg)	23,480 lbs. (10,650 kg)
Working Width	34 ft. 6 in. (10.5 m)	34 ft. 6 in. (10.5 m)	38 ft. 6 in. (11.7 m)	38 ft. 6 in. (11.7 m)
Transport Width	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)
Transport Height	14 ft. 10 in. (4.5 m)	14 ft. 10 in. (4.5 m)	11 ft. 11 in. (3.6 m)	11 ft. 11 in. (3.6 m)
Number of Shanks	69	69	77	77
Number of Shanks per Section	21--27--21	21--27--21	10--15--27--15--10	10--15--27--15--10
Shank Type	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks
Shank Size	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge
Point Load	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)
Spring Shank Tower	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components
Spring Shank Pivots	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing
Spring Size	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter
Shank Spacing	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern
Spacing Between Shank Rows	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum
Shank Position	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires
Sweeps	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount
Under Frame Clearance	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)
Fore-to-Aft Depth	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)
Frame	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)
Frame Construction	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded
Frame Type	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints
Transport Lift Axles	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System
Walking Tandems	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings
Tire Size - Main Frame	(4) 320/70Rx15 Radial Tires	(4) 320/70Rx15 Radial Tires	(4) 340/60Rx16.5 Radial Tires	(4) 340/65Rx18 Radial Tires
Wheel Hubs - Main Frame	8-Bolt	8-Bolt	8-Bolt	8-Bolt
Spindles - Main Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles
Tire Size - Wing Frame	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires
Wheel Hubs - Wing Frame	6-Bolt	6-Bolt	6-Bolt	6-Bolt
Spindles - Wing Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
Hitch Type	Self-Leveling with Manual Adjustment	Floating Hitch	Self-Leveling with Manual Adjustment	Floating Hitch
Hitch Category	Cat. IV Ball Hitch	Cat. IV Ball Hitch	Cat. IV Ball Hitch	Cat. IV Ball Hitch
Machine Depth Control	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted
Hydraulics	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders
Gauge Wheels	(2) 20.5x8-8 Ply Standard	(4) 280/70Rx15 Standard	(4) 20.5x8-8 Ply Standard	(6) 280/70Rx15 Standard
Safety Warning Lights & SMV Emblem	Standard	Standard	Standard	Standard
Safety Chain Kit	Standard	Standard	Standard	Standard
Powder Coat Paint, Blue Sapphire	Standard	Standard	Standard	Standard
Rear Hitch with Hydraulic Hoses	Optional	Optional	Optional	Optional
Cat. V Ball Hitch	N/A	N/A	Optional	Optional
9 in. Sweeps	Optional	Optional	Optional	Optional
8 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
9 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
Spare Tire and Wheel	Optional	Optional	Optional	Optional
Flexible Five Row Spike Harrow	Optional	Optional	Optional	Optional
Four Row Coil Tine Harrow	Optional	Optional	Optional	Optional
Three Row Spike and Reel	Optional	Optional	Optional	Optional
Three Row Tine and Reel	Optional	Optional	Optional	Optional
Three Row Spike and Double Flat Blade Reel	Optional	Optional	Optional	Optional
Horsepower Requirements	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot

Product Attributes	9650-42	9650FH-42	9650-46	9650FH-46
Hitch Style	Self-Leveling Hitch	Floating Hitch	Self-Leveling Hitch	Floating Hitch
Approximate Weight - Spring Shanks	17,640 lbs. (8,001 kg)	25,910 lbs. (11,753 kg)	18,400 lbs. (8,346 kg)	26,670 lbs. (12,097 kg)
Approximate Weight - S-Tine Shanks	16,280 lbs. (7,384 kg)	24,550 lbs. (11,136 kg)	16,915 lbs. (7,672 kg)	25,185 lbs. (11,424 kg)
Working Width	42 ft. 6 in. (13.0 m)	42 ft. 6 in. (13.0 m)	46 ft. 6 in. (14.1 m)	46 ft. 6 in. (14.1 m)
Transport Width	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)
Transport Height	11 ft. 11 in. (3.6 m)	11 ft. 11 in. (3.6 m)	13 ft. 11 in. (4.2 m)	13 ft. 11 in. (4.2 m)
Number of Shanks	85	85	93	93
Number of Shanks per Section	14--15--27--15--14	14--15--27--15--14	14--19--27--19--14	14--19--27--19--14
Shank Type	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks
Shank Size	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge
Point Load	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)	190 lbs. (86 kg)
Spring Shank Tower	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components
Spring Shank Pivots	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing
Spring Size	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter
Shank Spacing	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern
Spacing Between Shank Rows	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum
Shank Position	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires
Sweeps	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount
Under Frame Clearance	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)	26.5 in. (673 mm)
Fore-to-Aft Depth	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)	135 in. (3.4 m)
Frame	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)
Frame Construction	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded
Frame Type	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints
Transport Lift Axles	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System
Walking Tandems	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings
Tire Size - Main Frame	(4) 340/60Rx16.5 Radial Tires	(4) 340/65Rx18 Radial Tires	(4) 340/60Rx16.5 Radial Tires	(4) 340/65Rx18 Radial Tires
Wheel Hubs - Main Frame	8-Bolt	8-Bolt	8-Bolt	8-Bolt
Spindles - Main Frame	3 in. (76.2 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles
Tire Size - Wing Frame	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires
Wheel Hubs - Wing Frame	6-Bolt	6-Bolt	6-Bolt	6-Bolt
Spindles - Wing Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
Hitch Type	Self-Leveling with Manual Adjustment	Floating Hitch	Self-Leveling with Manual Adjustment	Floating Hitch
Hitch Category	Cat. IV Ball Hitch	Cat. IV Ball Hitch	Cat. IV Ball Hitch	Cat. IV Ball Hitch
Machine Depth Control	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted
Hydraulics	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders
Gauge Wheels	(4) 20.5x8-8 Ply Standard	(6) 280/70Rx15 Standard	(4) 20.5x8-8 Ply Standard	(6) 280/70Rx15 Standard
Safety Warning Lights & SMV Emblem	Standard	Standard	Standard	Standard
Safety Chain Kit	Standard	Standard	Standard	Standard
Powder Coat Paint, Blue Sapphire	Standard	Standard	Standard	Standard
Rear Hitch with Hydraulic Hoses	Optional	Optional	Optional	Optional
Cat. V Ball Hitch	Optional	Optional	Optional	Optional
9 in. Sweeps	Optional	Optional	Optional	Optional
8 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
9 in. Ultra Wing Sweeps	Optional	Optional	Optional	Optional
Spare Tire and Wheel	Optional	Optional	Optional	Optional
Flexible Five Row Spike Harrow	Optional	Optional	Optional	Optional
Four Row Coil Tine Harrow	Optional	Optional	Optional	Optional
Three Row Spike and Reel	Optional	Optional	Optional	Optional
Three Row Tine and Reel	Optional	Optional	Optional	Optional
Three Row Spike and Double Flat Blade Reel	Optional	Optional	Optional	Optional
Horsepower Requirements	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot

Product Attributes	9650-50	9650FH-50
Hitch Style	Self-Leveling Hitch	Floating Hitch
Approximate Weight - Spring Shanks	18,950 lbs. (8,596 kg)	27,220 lbs. (12,347 kg)
Approximate Weight - S-Tine Shanks	17,340 lbs. (7,865 kg)	25,610 lbs. (11,617 kg)
Working Width	50 ft. 6 in. (15.4 m)	50 ft. 6 in. (15.4 m)
Transport Width	17 ft. 4 in. (5.3 m)	17 ft. 4 in. (5.3 m)
Transport Height	13 ft. 11 in. (4.2 m)	13 ft. 11 in. (4.2 m)
Number of Shanks	101	101
Number of Shanks per Section	18--19--27--19--18	18--19--27--19--18
Shank Type	Spring Clamp Shanks or 2-Piece S-Tine Shanks	Spring Clamp Shanks or 2-Piece S-Tine Shanks
Shank Size	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge	0.625 in. x 1.75 in. (15.9 x 44.5 mm) On Edge
Point Load	190 lbs. (86 kg)	190 lbs. (86 kg)
Spring Shank Tower	Laser Cut/Matchcut Components	Laser Cut/Matchcut Components
Spring Shank Pivots	Nitrotec Coated Inter-Locking Clamp Bushing	Nitrotec Coated Inter-Locking Clamp Bushing
Spring Size	0.46875 in. (11.9 mm) Wire Diameter	0.46875 in. (11.9 mm) Wire Diameter
Shank Spacing	6 in. (152 mm), Split the Middle Pattern	6 in. (152 mm), Split the Middle Pattern
Spacing Between Shank Rows	30 in. (762 mm) Minimum	30 in. (762 mm) Minimum
Shank Position	Rear Shanks Centered on Tires	Rear Shanks Centered on Tires
Sweeps	8 in. (203 mm) with 47 Degree Mount	8 in. (203 mm) with 47 Degree Mount
Under Frame Clearance	26.5 in. (673 mm)	26.5 in. (673 mm)
Fore-to-Aft Depth	135 in. (3.4 m)	135 in. (3.4 m)
Frame	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)	3 in. x 4 in. x 0.25 in. (76.2 x 102 x 6.4 mm)
Frame Construction	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded
Frame Type	Truss Type with Wrapped Shank Tube Joints	Truss Type with Wrapped Shank Tube Joints
Transport Lift Axles	4.5 in. (114 mm) Axle with Tower Lift System	4.5 in. (114 mm) Axle with Tower Lift System
Walking Tandems	Standard with Maintenance Free Pivot Bushings	Standard with Maintenance Free Pivot Bushings
Tire Size - Main Frame	(4) 340/60Rx16.5 Radial Tires	(4) 340/65Rx18 Radial Tires
Wheel Hubs - Main Frame	8-Bolt	8-Bolt
Spindles - Main Frame	3 in. (76.2 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles
Tire Size - Wing Frame	(4) 280/70Rx15 Radial Tires	(4) 280/70Rx15 Radial Tires
Wheel Hubs - Wing Frame	6-Bolt	6-Bolt
Spindles - Wing Frame	2.25 in. (57.2 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
Hitch Type	Self-Leveling with Manual Adjustment	Floating Hitch
Hitch Category	Cat. IV Ball Hitch	Cat. IV Ball Hitch
Machine Depth Control	Single Point, Front Mounted	Single Point, Front Mounted
Hydraulics	10 in. (254 mm) Stroke Cylinders	10 in. (254 mm) Stroke Cylinders
Gauge Wheels	(4) 20.5x8-8 Ply Standard	(6) 280/70Rx15 Standard
Safety Warning Lights & SMV Emblem	Standard	Standard
Safety Chain Kit	Standard	Standard
Powder Coat Paint, Blue Sapphire	Standard	Standard
Rear Hitch with Hydraulic Hoses	Optional	Optional
Cat. V Ball Hitch	Optional	Optional
9 in. Sweeps	Optional	Optional
8 in. Ultra Wing Sweeps	Optional	Optional
9 in. Ultra Wing Sweeps	Optional	Optional
Spare Tire and Wheel	Optional	Optional
Flexible Five Row Spike Harrow	Optional	Optional
Four Row Coil Tine Harrow	Optional	Optional
Three Row Spike and Reel	Optional	Optional
Three Row Tine and Reel	Optional	Optional
Three Row Spike and Double Flat Blade Reel	Optional	Optional
Horsepower Requirements	7 to 9 HP (5 to 7 kW) Per Foot	7 to 9 HP (5 to 7 kW) Per Foot