



Soil Builder Specifications

CD & HSB Models

Product Attributes	CDA53-1	CDA73-1	HSBA71-1	HSBAW91-1	HSBAW111-1	HSBAW131-1
Approximate Weight	3,204 lbs. (1,453 kg)	4,481 lbs. (2,033 kg)	4,879 lbs. (2,213 kg)	5,574 lbs. (2,528 kg)	7,523 lbs. (3,412 kg)	8,110 lbs. (3,679 kg)
Working Width	6 ft. 3 in. (1.91 m)	8 ft. 9 in. (2.67 m)	8 ft. 9 in. (2.67 m)	11 ft. 3 in. (3.61 m)	13 ft. 9 in. (4.19 m)	16 ft. 3 in. (4.95 m)
Transport Width	7 ft. 1 in. (2.16 m)	9 ft. 7 in. (2.92 m)	9 ft. 3 in. (2.82 m)	11 ft. 10 in. (3.61 m)	14 ft. 4 in. (4.37 m)	16 ft. 10 in. (5.13 m)
Transport Height	5 ft. 2 in. (1.58 m)	5 ft. 2 in. (1.58 m)	5 ft. 7 in. (1.70 m)	5 ft. 7 in. (1.70 m)	5 ft. 7 in. (1.70 m)	5 ft. 7 in. (1.70 m)
Overall Length	16 ft. 11 in. (5.16 m)	16 ft. 11 in. (5.16 m)	19 ft. 3 in. (5.87 m)	19 ft. 3 in. (5.87 m)	19 ft. 3 in. (5.87 m)	19 ft. 3 in. (5.87 m)
Number of Coultter Blades	11	15	15	19	23	27
Coultter Blade Diameter	20 in. (508 mm)	20 in. (508 mm)	20 in. (508 mm)	20 in. (508 mm)	20 in. (508 mm)	20 in. (508 mm)
Coultter Blade Thickness	7 ga.	7 ga.	7 ga.	7 ga.	7 ga.	7 ga.
Coultter Blade Spacing	7.5 in. (191 mm)	7.5 in. (191 mm)	7.5 in. (191 mm)	7.5 in. (191 mm)	7.5 in. (191 mm)	7.5 in. (191 mm)
Coultter Bearings	Self-Aligning Flange Type	Self-Aligning Flange Type	Self-Aligning Flange Type	Self-Aligning Flange Type	Self-Aligning Flange Type	Self-Aligning Flange Type
Coultter Protection	Compression Coil Spring	Compression Coil Spring	Compression Coil Spring	Compression Coil Spring	Compression Coil Spring	Compression Coil Spring
Coultter Gang Bolt	1.5 in. (38 mm) Square	1.5 in. (38 mm) Square	1.5 in. (38 mm) Square	1.5 in. (38 mm) Square	1.5 in. (38 mm) Square	1.5 in. (38 mm) Square
Number of Shanks	5	7	7	9	11	13
Shank Mount	Dual Nested Spring	Dual Nested Spring	Dual Nested Spring	Dual Nested Spring	Dual Nested Spring	Dual Nested Spring
Shank Type	Parabolic	Parabolic	Parabolic	Parabolic	Parabolic	Parabolic
Shank Spacing	15 in. (381 mm)	15 in. (381 mm)	15 in. (381 mm)	15 in. (381 mm)	15 in. (381 mm)	15 in. (381 mm)
Shank Working Depth	Maximum of 10 in. (254 mm)	Maximum of 10 in. (254 mm)	Maximum of 10 in. (254 mm)	Maximum of 10 in. (254 mm)	Maximum of 10 in. (254 mm)	Maximum of 10 in. (254 mm)
Spring Pressure/Trip Resistance	550 lbs. to 825 lbs. (248 kg to 371 kg)	550 lbs. to 825 lbs. (248 kg to 371 kg)	550 lbs. to 825 lbs. (248 kg to 371 kg)	550 lbs. to 825 lbs. (248 kg to 371 kg)	550 lbs. to 825 lbs. (248 kg to 371 kg)	550 lbs. to 825 lbs. (248 kg to 371 kg)
Chisel Points Available	4 in. (102 mm) Twisted Shovels	4 in. (102 mm) Twisted Shovels	4 in. (102 mm) Twisted Shovels	4 in. (102 mm) Twisted Shovels	4 in. (102 mm) Twisted Shovels	4 in. (102 mm) Twisted Shovels
Under Frame Clearance	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)
Frame Structure	4 in. x 4 in. x .25 in. (102 x 102 x 6.35 mm)	4 in. x 4 in. x .25 in. (102 x 102 x 6.35 mm)	4 in. x 4 in. x .25 in. (102 x 102 x 6.35 mm)	4 in. x 4 in. x .25 in. (102 x 102 x 6.35 mm)	4 in. x 4 in. x .25 in. (102 x 102 x 6.35 mm)	4 in. x 4 in. x .25 in. (102 x 102 x 6.35 mm)
Rockshaft Pivot Bearings	Two-Piece Cast Iron	Two-Piece Cast Iron	Two-Piece Cast Iron	Two-Piece Cast Iron	Two-Piece Cast Iron	Two-Piece Cast Iron
Transport Axle Type	Single Tire	Single Tire	Single Tire	Walking Tandem	Walking Tandem	Walking Tandem
Main Frame Cylinders	3 in. x 8 in. (76 x 203 mm)	3 in. x 8 in. (76 x 203 mm)	3.5 in. x 16 in. (89 x 406 mm)	3.5 in. x 16 in. (89 x 406 mm)	3.5 in. x 16 in. (89 x 406 mm)	3.5 in. x 16 in. (89 x 406 mm)
Main Frame Cylinder Control	External Depth Stop	External Depth Stop	External Depth Stop	External Depth Stop	External Depth Stop	External Depth Stop
Coultter Depth Cylinders	N/A - Manual	N/A - Manual	3 in. x 8 in. (76 x 203 mm)	3 in. x 8 in. (76 x 203 mm)	3 in. x 8 in. (76 x 203 mm)	3 in. x 8 in. (76 x 203 mm)
Coultter Depth Cylinder Control	N/A	N/A	Depth Control Segments	Depth Control Segments	Depth Control Segments	Depth Control Segments
Tires	(2) 9.5L x 15-8 Ply	(2) 11L x 15-12 Ply	(2) 11L x 15-12 Ply	(4) 11L x 15-12 Ply	(4) 11L x 15-12 Ply	(4) 11L x 15-12 Ply
Hitch Pin Hole Diameter	1.563 in. (40 mm) Flip-Flop Style Hitch	1.563 in. (40 mm) Flip-Flop Style Hitch	1.563 in. (40 mm) Flip-Flop Style Hitch	1.563 in. (40 mm) Flip-Flop Style Hitch	1.563 in. (40 mm) Flip-Flop Style Hitch	1.563 in. (40 mm) Flip-Flop Style Hitch
Safety Warning Lights & SMV Emblem	Standard	Standard	Standard	Standard	Standard	Standard
Safety Chain	Standard	Standard	Standard	Standard	Standard	Standard
Powder Coat Paint, Red	Standard	Standard	Standard	Standard	Standard	Standard
Horsepower Requirements	15 to 20 HP (11 to 15 kW) per Shank	15 to 20 HP (11 to 15 kW) per Shank	15 to 20 HP (11 to 15 kW) per Shank	15 to 20 HP (11 to 15 kW) per Shank	15 to 20 HP (11 to 15 kW) per Shank	15 to 20 HP (11 to 15 kW) per Shank
Recommended Operating Speed	5 to 6.5 MPH (8 to 10.5 km/h)	5 to 6.5 MPH (8 to 10.5 km/h)	5 to 6.5 MPH (8 to 10.5 km/h)	5 to 6.5 MPH (8 to 10.5 km/h)	5 to 6.5 MPH (8 to 10.5 km/h)	5 to 6.5 MPH (8 to 10.5 km/h)