

Models 527B & 9300

	527B	9300
SOIL FRACTURING		
# of shanks	5	9
Working width	11 ft. 3 in. (3.43 m)	22 ft. 6 in. (6.86 m)
Shank spacing	27 in. (686 mm)	30 in. (762 mm)
PTO horsepower requirements	140-180 (104-134 kW)	400-500 (298-373 kW)

RESIDUE MANAGEMENT	Disc Assembly:		
	Disc size	.197 in. X 20 in. Concave (5 mm x 508 mm)	.250 in. X 22 in. Concave (6.35 mm x 559 mm)
	Effective disc spacing	7.5 in. (190.5 mm)	7.5 in. (190.5 mm)
	# of blades	20	36
	Frame type	Rectangular	X-Frame
	Operating depth	3-4 in. (76-102 mm)	3-4 in. (76-102 mm)
	Independent hydraulic adjustment	Yes	Yes
	Spring protection	Yes	Yes
	Coulter Assembly:		
	Coulter size	24 in. (610 mm)	N/A
	Effective coulter spacing	13.5 in. (343 mm)	N/A
	# of coulters	9	N/A
	Operating depth	3-5 in. (76-127 mm)	N/A
	Independent hydraulic adjustment	Yes	N/A

GENERAL	Under frame clearance	34 in. (864 mm)	40 in. (1016 mm)
	Transport width with discs	14 ft. 0 in. (4.27 m)	17 ft. 8 in. (5.38 m)
	Transport width with coulters	14 ft. 0 in. (4.27 m)	N/A
	Approximate operating weight	6,000 lb. (2722 kg)	19,300 lb. (8754 kg)
	Tires	12.5L X 15	16.5R X 22.5

	527B	9300
OPTIONAL CONFIGURATIONS		
Tillage Shanks	Parabolic MRD	No-till Parabolic MRD
Shank Mounts		
Auto reset	X X	X X X
Shear bolt	X X	X X X
Points		
10 in. (25 cm) tiger® points		X
7 in. (17.8 cm) tiger points	X X	X
5 in. (12.7 cm) tiger points	X X	X
2 in. (5.1 cm) straight points	X X	X X
8 in. (20.3 cm) no-till points		X
Residue Management		
Discs	X X	X X X
Coulters	X X	X
Lead shanks		X X
Covering Attachments		
4 in. (10.2 cm)	X	X
6 in. (15.2 cm)	X	X
8 in. (20.3 cm)		X
Hydraulic Disc Level'r	X X	X X
Rear hitch for P/T crumbler		X X

Models 530C & 730C

		530C	730C
GENERAL	Number of main shanks	5	7
	Working width	12 ft. 6 in. (3.8 m)	17 ft. 6 in. (5.3 m)
	Transport width	14 ft. 8 in. (4.5 m)	16 ft. 5 in. (5.0 m)
	Hitch	Combo clevis	Combo clevis
	Swivel hose stand	Standard	Standard
	Weight (approximate)	11,600 lb. (5262 kg)	15,200 lb. (6895 kg)
	Effective weight per blade	190-210 lb. (86.2-95.3 kg)	190-210 lb. (86.2-95.3 kg)
	Mainframe axles	Trailing single arm	Trailing single arm
	Mainframe tires (standard) (optional)	16.5 x 16.1 14 PR 16.5R x 22.5 Truck Tires	16.5 x 16.1 FI (E) 16.5R x 22.5 Truck Tires

DISK FRAME	Blade mounts	Individual heavy-duty C-spring cushion
	Disk blade size	24 in. (61 cm)
	Disk blade design	Earth Metal® Crimped Center
	Disk blade concavity	Shallow
	Disk blade spacing	15 in. (38.1 cm) Indexed
	Bearings	Regreasable
	Seals	Three-piece V-seals
	Front/rear gang angle	18 degrees
	Depth control	Independent hydraulic

SHANKS	Main shanks	1.5 X 6 in. (3.8 x 15.2 cm) parabolic
	Spacing	30 in. (76 cm)
	Points	2 in. straight, 7 or 10 in. tiger® points (5, 18 or 25 cm)
	Lead shanks (optional)	1.25 x 3 in. (3.2 x 7.6 cm) parabolic
	Spacing	30 in. (76 cm) between main shanks for 15 in. (38 cm) effective spacing
	Points	2 in. straight or 7 in. tiger points (5 or 18 cm)
	Depth control	Positive mechanical depth stops

	530C	730C
DISK LEVEL'R	Disks	18 in. (46 cm)
	Spacing	Indexed between main shanks
	Depth control	Hydraulic with mechanical stops
	Design	Heavy-duty saddle-type

OPTIONS	Rear hitch	Includes hydraulics
	P/T crumbler	Flat bar or round bar

	530C	730C
CASE IH TRACTOR MATCH FOR OPTIMAL SOIL MANAGEMENT	MX245	X
	MX275	X
	MX305	X
	STX280	X
	STX330	X
	STX380	X
	STX430	X

Model 870 Disc Ripper

TRACTOR REQUIREMENTS	PTO horsepower per foot	18 to 20 hp (44 to 49 kW)
	PTO horsepower per shank	35 to 40 hp (86 to 98 kW)
	Operating speed	5 to 7 mph (8 to 11 kph) recommended

SHANKS	Shank mountings	Bolted to main frame on 24 inch (610 mm) effective spacing with spring-reset or shear-bolt mountings
	Shank Assemblies	
	Auto reset	13 in. (330 mm) of trip clearance, hardened pins and composite bushings
	Auto reset and shear bolt	5/8 in. (16 mm) diameter grade 5 shear bolt
	Shanks	1-1/4 x 4 in. (32 x 102 mm), optional wear shin and covering boards
	Shank points	Chromium carbide capped tiger® points

DISC BLADES	Individual option	24 in. (610 mm) diameter concave individually mounted on 15 in. (381 mm) centers
	Trunion gang option	26 in. (660 mm) diameter concave gang mounted on 12 in. (305 mm) centers

BLADE PROTECTION	Cushion mounted blades in addition to a frame that lifts against a spring-loaded relief that automatically resets when obstruction is cleared
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TRANSPORT SIZE	Main frame	Overall length with basket	Working width	Transport width
	7-Shank	33 ft. 4 in. (10.19 m)	14 ft. (4.27 m)	16 ft. 0 in. (4.88 m)
	9-Shank	33 ft. 4 in. (10.19 m)	18 ft. (5.49 m)	16 ft. 9 in. (5.10 m)
	11-Shank	34 ft. 9 in. (10.59 m)	22 ft. (6.71 m)	16 ft. 8 in. (5.07 m)
	13-Shank	34 ft. 9 in. (10.59 m)	26 ft. (7.92 m)	17 ft. 11 in. (5.47 m)

WEIGHT	Approximate with disk gangs, S/R shanks and baskets	
	7-Shank	14,470 lb. (6560 kg)
	9-Shank	20,000 lb. (9070 kg)
	11-Shank	25,220 lb. (11 440 kg)
	13-Shank	28,200 lb. (12 790 kg)

CONSER-TILL 690 DISK RIPPER Specifications



Model Conser-Till 690

	5-SHANK	7-SHANK
GENERAL		
Working width	12 ft. 6 in. (3.8 m)	17 ft. 6 in. (5.3 m)
Overall length	30.1 ft. (9.2 m)	31.4 ft. (9.6 m)
Transport width	15.9 ft. (4.9 m)	18 ft. (5.5 m) w/hydraulic fold option 21.8 ft. (6.6 m) non-folding
Hitch	Single-strap, clevis	Single-strap, clevis
Swinging hose stand	Standard	Standard
Weight – lb. (kg)	9,680 (4391)	11,960 (5425)
Mainframe – in. (mm)	6 x 8 x 0.4 & 6 x 6 x .4 (152 x 203 x 10.2 & 152 x 162 x 10.2)	6 x 8 x 0.4 & 6 x 6 x .4 (152 x 203 x 10.2 & 152 x 162 x 10.2)
Subframe – in. (mm)	6 x 6 (152 x 152)	6 x 6 (152 x 152)
Axles	Walking tandems	Walking tandems
Tires size & number	12.5L-15, 8 ply (4)	12.5L-15, 8 ply (4)
Wheel size	6-bolt heavy-duty w/replaceable spindles	6-bolt heavy-duty w/replaceable spindles
TRANSPORT		
SMV emblem	Standard	Standard
Transport locking system	Depth collars	Depth collars
Warning & tail lights	Standard	Standard
Safety chain	Standard	Standard
DEPTH ADJUSTMENT		
Main lift/shanks	Mechanical (depth collars)	Mechanical (depth collars)
Front disks	Standard – mechanical (ratchet adjust) Optional – hydraulic	Standard – mechanical (ratchet adjust) Optional – hydraulic
Rear leveling disks	Standard – mechanical (ratchet adjust) Optional – hydraulic	Standard – mechanical (ratchet adjust) Optional – hydraulic
HYDRAULICS		
Main lift	Positive stop depth control	Positive stop depth control
CROP RESIDUE MANAGEMENT		
Front disk blade number/size	10/24 in. (610 mm), 2/22 in. (559 mm)	16/24 in. (610 mm), 2/22 in. (559 mm)
Front disk blade spacing	12 in. (305 mm)	12 in. (305 mm)
Front disk bearings — Standard	Cartridge type regreasable, self-aligning ball bearing	Cartridge type regreasable, self-aligning ball bearing
Front disk bearings — Optional (Rock Cushion)	Precision type regreasable, trunnion mounted	Precision type regreasable, trunnion mounted
Front gang arbor bolt	1.5 in. (38.1 m) square spring steel	1.5 in. (38.1 m) square spring steel
Front gang disk spool	6 in. (152 mm) heavy-duty cast spool	6 in. (152 mm) heavy-duty cast spool

	5-SHANK	7-SHANK
Front gang mounting	Unitized Cushion Gang® C-spring	Unitized Cushion Gang® C-spring
Front disk gang angle	18°	18°
Operating depth	3-5 in. (76.2-127 mm)	3-5 in. (76.2-127 mm)
Mud scrapers	Rigid spring steel type	11,960 (5425)
SOIL TILTH		
Type of shank	Parabolic	Parabolic
Number of shanks	5	7
Shank mount	Spring reset or shearbolt	Spring reset or shearbolt
Shank spacing	30 in. (762 mm)	30 in. (762 mm)
Shank size	1.3 x 3 in. (33 76.2 mm)	1.3 x 3 in. (33 76.2 mm)
Shank clearance	35.5 in. (902 mm)	35.5 in. (902 mm)
Shank trip load	1,800 lb. (817 kg)	1,800 lb. (817 kg)
Shank trip height	12 in. (305 mm)	12 in. (305 mm)
Max. operating depth	14 in. (356 mm)	14 in. (356 mm)
Secondary shear-bolt protection	Yes	Yes
Points	2 in. (50.8 mm) straight point, 5 or 7 in. (127 or 178 mm) tiger® points available	2 in. (50.8 mm) straight point, 5 or 7 in. (127 or 178 mm) tiger® points available
SEED BED CONDITIONING		
Rear leveling disk blade number/size	12/24 in. (610 mm), 2/22 in. (559 mm)	18/24 in. (610 mm), 2/22 in. (559 mm)
Rear gang arbor bolt	1.5 in. (38.1 m) square spring steel	1.5 in. (38.1 m) square spring steel
Rear disk mounting	Unitized Cushion Gang® C-spring	Unitized Cushion Gang® C-spring
Rear disk gang spools	4.5 in. (114 mm) cast spool	4.5 in. (114 mm) cast spool
Rear disk gang bearings — Standard	Cartridge type regreasable, self-aligning ball bearing	Cartridge type regreasable, self-aligning ball bearing
Rear disk gang bearings — Optional (Rock Cushion)	Precision type regreasable, trunnion mounted	Precision type regreasable, trunnion mounted
Rear disk blade spacing	12 in. (305 mm)	12 in. (305 mm)
Rear disk gang angle	16°	16°
Operating depth	3-5 in. (76.2-127 mm)	3-5 in. (76.2-127 mm)
Mud scrapers	Rigid spring steel type	11,960 (5425)
POWER REQUIREMENTS		
Drawbar hp (kW) required	125-250 (93.2-186)	175-350 (131-261)
Drawbar hp/ft. (kW/m)	10-20 dbhp/ft. (24.5-48.9 dbkW/m)	10-20 dbhp/ft. (24.5-48.9 dbkW/m)

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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