

Many other options available:

Custom modifications, electronic data capture equipment to meet your research needs. Intrinsic Property Measurements and GPS field location mapping options are available on all models.



TECHNICAL DATA

SHP 90

SHP 50

SPC 40

SPC 20

PMC 20

HP 5

Engine Options:	Deutz 127 hp, 6 CL, water-cooled, turbo diesel	73 hp Deutz turbo diesel, air-cooled, 4-cyl.	83 hp Perkins diesel, water cooled, 4-cyl.	73 hp Deutz turbo diesel, air-cooled 4-cyl; other engines available	40 hp Deutz diesel, air-cooled, 3-cyl; 40 hp Perkins diesel, water-cooled.	40 hp Deutz diesel, air-cooled, 3-cyl.
Fuel Tank Cap.:	66 gallons	37 gal. (140L)	35 gal. (133L)	25 gal. (95L)	25 gal. (95L)	11 gal. (42L)
Transmission:	3-speed hydrostatic, electrohydraulic	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)
Steering:	2 or 3 range ground speeds	electrohydraulic	electrohydraulic	electrohydraulic	Power	electrohydraulic
Brakes:	Power (fail-safe override)	Power	Power	Power	Power	Power
Tires						
Front:	Fail-safe (electric over hydraulic release)	Hydraulic fail-safe	Hydraulic fail-safe	Hydraulic fail-safe	Mech. parking	Hydraulic fail-safe
Rear:	18.4 x 28, 12-ply tubeless	12.4 x 24, 6-ply	14.9 x 24, 8-ply	11-2 x 24, 6-ply cab models 12.4 x 24, 8-ply	8.3 x 24, 6-ply	26 x 12.0-12, 4-ply
Cylinder Drive Speed:	10.5/80 x 18, 10-ply tubeless	8.5L x 14, 6-ply	8.5L x 14, 6-ply	8.5L x 14, 6-ply	23 x 8.5 x 12, flotation opt.	23 x 10.50-12, 4-ply
Speed Range:	Electric over hydraulic variable speed control, gear belt final drive	Var., hyd. drive Push button speed control	Var., hyd. drive	Var., hyd. drive	Fixed, mech. drive, std.; var. mech. drive, optional	Var., mech. drive
Diameter:	0-880 rpm	0-1100 rpm	0-900 rpm (opt. 1100 rpm)	0-900 rpm (opt. 1100 rpm)	250-1400 rpm	400-1100 rpm
Width:	20"	Dual cylinders	15.25" (39cm)	15.25" (39cm)	15.25" (39cm)	13.25" (34cm)
No. of Rasp Bars:	22"	13.25" (34cm); 17.5" (45cm), ea	31.5" (81cm)	31.5" (81cm)	31.5" (81cm)	17.5" (45cm)
Concave Adjustment:	8	8 each	8	8	8	8
Sieve	Electric control w/indicator	Dual mech front/rear	Front/rear via single lever quick-adjust	Front/rear, quick-adjust	Independent front/rear, std; or quick-adjust via single lever.	Mech front/rear
Upper:	Air assist					
Lower:	2 straw-walkers per chamber	16.5"W x 55"L (42 x 141cm)	30"W x 75"L (76 x 191cm)	30"W x 55"L (76 x 140cm)	30"W x 55"L (76 x 140cm)	16.5"W x 55"L (42 x 141cm)
Total Sieve Area:	One sieve per chamber	N/A	30"W x 47.5"L (76 x 121cm)	30"W x 47.5"L (7 x 121cm)	30"W x 47.5"L (76 x 121cm)	N/A
HEADER SPECS	1.368 sq in each	907.5 sq in (.59m ²) each	3,675 sq in (2.42m ²)	3,075 sq in (1.98m ²)	3,075 sq in (1.98m ²)	907.5 sq in (.59m ²)
Std Header						
Cutting width:	N/A	N/A	45", 51", 57", 60" (1-1.5m)	45", 51", 57", 60" (1-1.5m)	45", 51", 57", 60" (1-1.5m)	39" (1m)
Cutting height:	N/A	N/A	adj. to 36" (91cm) above ground	adj. to 36" (91cm) above ground	adj. to 36" (91cm) above ground	adj. to 33" (84cm) above ground
Reel	N/A	N/A	U-II	U-II	U-II	ALMACO
No. of bats:	N/A	N/A	5	5	5	4
Diameter:	N/A	N/A	65" (165cm)	65" (165cm)	65" (165cm)	48" (122cm)
Speed control:	Electric over hydraulic variable speed control		Hyd chain-drive, adj from driver's seat, 0-100 rpm	Hyd chain-drive, adj from driver's seat, 0-100 rpm	Hyd chain-drive, adj from driver's seat, 0-100 rpm	Mech. drive, fixed speed
Corn Head:	0-4.5 mph					
Row Crop Head:	4-row at 30", hyd-driven, gear belt drives, JDere row units & snapping rollers	N/A	2-row, hyd-drive, JDere row units & snapping rollers, row spacing adj 30"-40" (76-101cm)	2-row, hyd-drive, JDere row units & snapping rollers, row spacing adj 30"-40" (76-101cm)	1-row, JDere row units & snapping rollers, mech. drive	1-row, JDere row units & snapping rollers, mech. drive
Fixed or Adjustable Row Spacing	4-row at 30" hyd-drive, gear belt dr.	Dual, 1-row JDere	2-row, hyd-drive, JDere	2-row, hyd-drive, JDere	1-row, JDere gathering	1-row, JDere gathering
DIMENSIONS	JDere style gathering belts, cutting knife, floating row units with rotary disks	gathering belts, cutting knife, chain guides, hyd drive, and variable speed	gathering belts & cutting knife, row spacings 30"-40" (76-101cm)	gathering belts & cutting knife, row spacings 30"-40" (76-101cm)	belts & cutting knife	belts & cutting knife
Height (w/o cyclone):	11'	-	10'2" (3m)	7'6" (2.28m)	10'6" (3.2m)	7'3" (2.2m)
Length:	Machine 17'6", with head 26'5"	19'5" (5.9m)	19'6" (6m)	17'6" (5.3m)	18'6" (5.6m)	16' (5m)
Width:	11'	8' (2.4m)	7' (2.1m)	7' (2.1m)	6' (1.8m)	4'4" (1.3m)
Weight:	22,000 lbs	8,500 lbs (3856kg)	10,000 lbs (4536kg)	7,200 lbs (3240kg)	5,800 lbs (2610kg)	3,400 lbs (1530kg)
Track width:	Front 112 3/4" Rear 107 3/4"	81" (206cm) outside, front and rear	66" (168cm) center to center on both axles	60" (152cm) center to center on both axles	60" (152cm) outside	45" (114cm) outside, front & rear
Ground clearance:	11"	-	11" (28cm)	11" (28cm)	11" (28cm)	7" (18cm)
SPECIAL OPTIONS						
	Intrinsic Property Measurements	Automated sample packager	1- to 2-person cab	1- to 2-person cab	1- to 2-person platform	Volumetric cylinder
	GPS field location mapping	Weigh hopper options	Rear wheel drive assist	1- to 2-person platform top	Mech. Dr. Var. Speed	Weigh hopper
	Electric folding mirror	Sample-handling options	Foot controls	Rear wheel drive assist	Threshing cylinder	Sample bag holder options
	Spare parts kit	Skip row, split head	Night lighting (standard)	Foot controls	Rear wheel drive assist	Foot controls
	Operator presence safety shut off in driver's seat	for 60" rows	Hydraulic dump hopper	Night lighting (standard)	Foot controls	Night lighting
	Automated Seed Sample Packager		Automated Seed Sample Packager	Gravity dump grain tank	Night lighting	Bulk seed storage options
				Hydraulic dump hopper	Breeder machine options	
				Automated Seed Sample Packager	Sun canopy	

Split Technology...Multi-crop four-row, two-plot yield trial combine. Increase productivity...harvest more plots per season in less time.

Harvests two, two-row yield trial plots at the same time!

SHP 90



Split 4-Row 30" Floating Row Crop Head

Electrohydraulically driven with variable speed control from operator's seat. Floating row units with rotary shoes. John Deere-style gathering belts and rotary cutting knives. Electrohydraulic height control from cab. Floating snouts with row dividers. Low maintenance gear belt drive. Corn Head is equipped similarly except has John Deere row units and snapping rollers.

- Multi-crop high-volume test plot harvester
- Two individual harvesting systems to maintain purity
- High-tech operator's cabin with mobile lab
- Patented Automated Seed Packager with Bag Conveyance System
- Packaged seed storage in hydraulic dumping hopper
- Pneumatic seed delivery systems provide highest levels of sample purity
- Air column cleaning system
- Optional four wheel drive
- Storage for discarded seed
- Proprietary or ALMACO sample discard or selection system and data capture systems
- Floating header
- GPS option available
- Intrinsic Property Management option available



CAB

- High-tech operator's cabin
- Dual weigh hoppers with load beams and moisture probes
- On-board packaging lab with patented ALMACO Automated Seed Sample Packager
- Full view windshield for greater visibility
- Unobstructed view into header
- Spacious/comfortable user-friendly cabin
- High-tech instrument panel with full complement of monitoring gauges, indicator lights and control switches
- Command Center with joystick controls
- Utilizes split Seed Spector 5 for sample analysis
- Utilizes the latest instrumentation and newest technology available



Adjustable Steering Wheel

- For operator comfort
- For easy access



Joystick Master Control

- Central command joystick with multi-function controls at fingertips
- Ergonomically placed controls and data collection system



Operator Comfort

- Deluxe cloth operator's seat is adjustable for added comfort
- Training seat for assistants
- Heat and air conditioning
- Optional AM/FM stereo
- Tilt steering wheels
- Tinted glass