

Model	JD 7950	JD 7750	JD 7550	JD 7450	JD 7350	JD 7250
	SAEJ 1995			Power (ECER120 Norm)		
Maximum power @1900 rpm kW (hp)	597 (812)	458 (625)	458 (625)	409 (560)	352 (480)	281 (380)
Rated power @ 2100 rpm kW (hp)	–	428 (582)	428 (582)	383 (521)	330 (449)	261 (355)
Extra power kW (hp)	–	30 (43)	30 (43)	26 (39)	22 (31)	20 (25)
Engine						
Manufacturer	Cummins	John Deere	John Deere	John Deere	John Deere	John Deere
Type	QSK	PowerTech Plus	PowerTech Plus	PowerTech Plus	PowerTech Plus	PowerTech Plus
Model	6135HZ	6135HZ	6135HZ	6135HZ	6135HZ	6090HZ
Displacement L	19	13.5	13.5	13.5	13.5	9
Cylinders	In line 6	In line 6	In line 6	In line 6	In line 6	In line 6
Engine rpm/ min on road mode	3 speed GB ProDrive	1650	1650	1650	1650	1650
		As low as possible depending on the engine load (Engine Speed Management)				
Fuel system	CommonRail	"Unit injectors +4 valves +EGR + VGT"	"Unit injectors +4 valves +EGR + VGT"	"Unit injectors +4 valves +EGR + VGT"	"Unit injectors +4 valves +EGR + VGT"	"Common Rail injectors +4 valves +EGR + VGT"
Cooling fan drive	Direct	Direct	Direct	Direct	Direct	Direct
Driveline						
Drive clutch	Multi-Disc	Multi-disc	Multi-disc	Multi-disc	Multi-disc	Multi-disc
Number of discs	5	5	5	4	4	4
Main driveband				Re-inforced with kevlar inserts		
Belt tensioning				Active, hydraulic pressure		
Main driveband-polybelt: belts	7	7	7	6	5	4
Ground drive						
"Type-Hydrostatic 3 speed, helical gears"	Drive range (20 km/h)	NA	0 – 6.9	0 – 6.9	0 – 6.9	0 – 6.9
		NA	0 – 13	0 – 13	0 – 13	0 – 13
		NA	0 – 20	0 – 20	0 – 20	0 – 20
	Drive range (25 km/h)	NA	0 – 8.6	0 – 8.6	0 – 8.6	0 – 8.6
		NA	0 – 19.6	0 – 19.6	0 – 19.6	0 – 19.6
		NA	0 – 25	0 – 25	0 – 25	0 – 25
	Drive range (30 km/h)	NA	0 – 10.2	0 – 10.2	0 – 10.2	0 – 10.2
		NA	0 – 19.6	0 – 19.6	0 – 19.6	0 – 19.6
		NA	0 – 30	0 – 30	0 – 30	0 – 30
	Hydro-mechanical rear axle	NA	Optional	Optional	Optional	Optional
"ProDrive	Drive range (20 km/h)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)
Autoshift transmission		0 – 20 (Road)	0 – 20 (Road)	0 – 20 (Road)	0 – 20 (Road)	0 – 20 (Road)
Differential lock (automatic and manual)	Drive range (25 km/h)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)
Automatic wet brake system"		0 – 25 (Road)	0 – 25 (Road)	0 – 25 (Road)	0 – 25 (Road)	0 – 25 (Road)
	Drive range (30 km/h)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)
		0 – 30 (Road)	0 – 30 (Road)	0 – 30 (Road)	0 – 30 (Road)	0 – 30 (Road)
	Drive range (40 km/h)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)	0 – 20 (Field)
		0 – 40 (Road)	0 – 40 (Road)	0 – 40 (Road)	0 – 40 (Road)	0 – 40 (Road)
	Hydro-mechanical rear axle + Full ASR	Standard	Optional	Optional	Optional	Optional
						NA
Crop harvesting units						
Grass pick-ups (m)	4.5, 4.0, 3.0	4.5, 4.0, 3.0	4.5, 4.0, 3.0	4.5, 4.0, 3.0	4.5, 4.0, 3.0	4.5, 4.0, 3.0
Kemper Rotary Header, Row/m	12/9.0	10/7.5	10/7.5	8/6	8/6	6/4.5
	10/7.5	8/6	8/6	6/4.5	6/4.5	4/3
Automatic steering for maize	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Header Control	Optional	Optional	Optional	Optional	Optional	Optional
Feed rolls						
Feed roll frame opening				Swing away, wide access		
Number	4	4	4	4	4	4
Metal detector	Standard	Standard	Standard	Standard	Standard	Standard
Width, front (mm)	780	780	660	660	660	660
IVLOC Feed roll speed	Infinite Variable Std.	Infinite Variable Std.	Infinite Variable Std.	Infinite Variable Std.	Infinite Variable Std.	IVLOC Opt
Mechanical LOC. Feed roll speeds	n.a.	n.a.	4 Speed Opt	4 Speed Opt	4 Speed Opt	4 Speed Opt
Numbers of front end drive speeds	2	2	2	2	2	2
Cutterhead						
Cutterhead housing width (mm)	830	830	710	710	710	710
Cutterhead: width/diameter (mm)	805/610	805/610	683/610	683/610	683/610	683/610
Number of knives	56, 48 or 40	56, 48 or 40	56, 48 or 40	56, 48 or 40	56, 48 or 40	56, 48 or 40

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Cutterhead						
Speed at rated engine speed (rpm)	1200	1200	1150	1150/1000	1150/1000	1150/1000
Knife types available (crop)	straight (grass) curved (maize)		Straight (grasses) Curved (maize) Angled (maize)			
Sharpening system	Reverse rotation remote from cab					
Shear bar, reversible	Standard	Standard	Standard	Standard	Standard	Standard
Shear bar, auto adjustment	Standard	Standard	Standard	Standard	Standard	Standard
Kernel processor						
Type	Serrated roller, Quick change and remove					
Maize roll, teeth nr. (speed diff. %)	118 (21%)	118 (21%)	107 (21%)	107 (21%)	107 (21%)	107 (21%)
Wholecrop roll, teeth nr. (speed diff. %)	n.a.	n.a.	160 (32%)	160 (32%)	160 (32%)	160 (32%)
Sorghum roll, teeth nr. (speed diff. %)	n.a.	n.a.	214 (32%)	214 (32%)	214 (32%)	214 (32%)
Roll diameter (mm)	240	240	216	216	216	216
Crop accelerator						
Rotor Dia. / Housing Width (mm)	560/632	560/632	405/506	405/506	405/506	405/506
Number of blades	20	20	12	12	12	12
Speed (option)	1603 (-)	1603 (-)	1800 (2000)	1800 (2000)	1800 (2000)	1800 (2000)
Accelerator band	8 mm Hardox 500, Quick change	8 mm Hardox 500, Quick change	8 mm Hardox 500, Quick change	8 mm Hardox 500, Quick change	8 mm Hardox 500, Quick change	8 mm Hardox 500, Quick change
Spout						
Rotation (Degrees)	200	200	200	200	200	200
Reach from centre line (optional) (m)	3.75 (4.55)	3.75 (4.55)	3.75 (4.55)	3.75 (4.55)	3.75 (4.55)	3.75 (4.55)
Hydraulic raise and lower	Standard	Standard	Standard	Standard	Standard	Standard
Double cap	Standard	Standard	Standard	Standard	Standard	Standard
Automatic Spout Positioning	Option	Option	Option	Option	Option	Option
Length of Cut						
40 knives (mm)	6...26 / 1 mm Steps	6...26 / 1 mm Steps	6...26 / 1 mm Steps	6...26 / 1 mm Steps	6...26 / 1 mm Steps	6.5 – 9.2 / 13.8 – 19.4
48 knives (mm)	5...22 / 1 mm Steps	5...22 / 1 mm Steps	5...22 / 1 mm Steps	5...22 / 1 mm Steps	5...22 / 1 mm Steps	5.4 – 9.2 / 11.5 – 16.2
56 knives (mm)	4...19 / 1 mm Steps	4...19 / 1 mm Steps	4...19 / 1 mm Steps	4...19 / 1 mm Steps	4...19 / 1 mm Steps	4.7 – 6.6 / 9.9 – 13.9
Electrical system (12 V)						
Batteries (numbers) Amp hrs.	(3) x 174	(1) x 174	(1) x 174	(1) x 174	(1) x 174	(1) x 174
Alternator Amps	150 (12 V) + 70 (24 V)	150	150	150	150	150
Capacities (Tank)						
Fuel (L)	1100	1100	1100	1100	700 (1100 opt.)	700 (1100 opt.)
Hydraulic system (L)	46	46	46	46	46	46
Maintenance						
Rotary radiator screen cleaner	Standard	Standard	Standard	Standard	Standard	Standard
Automatic lubrication system (L)	Standard	Optional	Optional	Optional	Optional	Optional
Cab						
Tilt and extend steering column	Standard	Standard	Standard	Standard	Standard	Standard
Air conditioning and heater (Clima Trak)	Standard	Standard	Standard	Standard	Standard	Standard
Cool box	Standard	Standard	Standard	Standard	Standard	Standard
Trainee seat	Standard	Standard	Standard	Standard	Standard	Standard
Hectare counter	Standard	Standard	Standard	Standard	Standard	Standard
Operator information system	Standard	Standard	Standard	Standard	Standard	Standard
CAN Bus electronics	Standard	Standard	Standard	Standard	Standard	Standard
Air suspension seat	Standard	Option	Option	Option	Option	Option
Side window wiper	Option	Option	Option	Option	Option	Option
Electric adjust nand heated rear view mirrors	Option	Option	Option	Option	Option	Option
AMS Solution						
HarvestMon	Optional	Optional	Optional	Optional	Optional	Optional
HarvestDoc	Optional	Optional	Optional	Optional	Optional	Optional
HarvestLab	Optional	Optional	Optional	Optional	Optional	Optional
AutoTrac	Optional	Optional	Optional	Optional	Optional	Optional
Vehicle						
With front tyres	800/65R32	800/65R32	800/65R32	800/650R32	650/75R32	620/75R34
With rear tyres	480/80R26	480/80R26	480/80R26	480/80R26	480/80R26	16.5/85-24
Transport length (w/o header) (m)	6.62	6.62	6.62	6.62	6.62	6.62
Transport width (w/o header) (m)	3.30/3.45**	3.30/3.45**	3.30/3.45**	3.30/3.45**	2.95/3.16**	2.95
Transport height (to cab roof) (m)	3.7	3.7	3.7	3.7	3.7	3.7
Working height (max) (m)	6.2	6.2	6.2	6.2	6.2	6.2
Approx. weight (without header) (kg)	14550	12680	11580	11580	11280	9755

** Depending on tyre brand. Specification and design subject to change without notice.