

| 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.