

	7850	7750	7550	7450	7350	7250
Power (ECER 120 Norm)						
Maximum power @ 1900 rpm	507 kW (690 hp)	458 kW (625 hp)	458 kW (625 hp)	409 kW (560 hp)	352 kW (480 hp)	281 kW (380 hp)
Rated power @ 2100 rpm	474 kW (645 hp)	428 kW (582 hp)	428 kW (582 hp)	383 kW (521 hp)	330 kW (449 hp)	261 kW (355 hp)
Extra power	33 kW (45 hp)	30 kW (43 hp)	30 kW (43 hp)	26 kW (39 hp)	22 kW (31 hp)	20 kW (25 hp)
Engine						
Manufacturer	Cummins	John Deere	John Deere	John Deere	John Deere	John Deere
Type	QSX	PowerTech Plus	PowerTech Plus	PowerTech Plus	PowerTech Plus	PowerTech Plus
Model	QSX15	6135HZ	6135HZ	6135HZ	6135HZ	6090HZ
Displacement	15 L	13.5 L	13.5 L	13.5 L	13.5 L	9 L
Cylinders	In line 6	In line 6	In line 6	In line 6	In line 6	In line 6
Speed on road and engine rpm	20/25/30/40 km/h 1650 rpm	20/25/30/40 km/h 1650 rpm	20/25/30/40 km/h 1650 rpm	20/25/30/40 km/h 1650 rpm	20/25/30/40 km/h 1650 rpm	20/25/30/40 km/h 1650 rpm
Fuel system	Unit injectors	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
Fuel consumption	220 g/kWh	206 g/kWh	206 g/kWh + 4 valves + EGR + VGT	201 g/kWh + 4 valves + EGR + VGT	204 g/kWh + 4 valves + EGR + VGT	199 g/kWh + 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	6 inner and 4 outer – 10 engag. faces	6 inner and 4 outer – 10 engag. faces	6 inner and 4 outer – 10 engag. faces	6 inner and 4 outer – 10 engag. faces	6 inner and 4 outer – 10 engag. faces	6 inner and 4 outer – 10 engag. faces
Main driveband	Re-inforced with kevlar inserts	Re-inforced with kevlar inserts	Re-inforced with kevlar inserts	Re-inforced with kevlar inserts	Re-inforced with kevlar inserts	Re-inforced with kevlar inserts
Belt tensioning	Active, hydraulic pressure	Active, hydraulic pressure	Active, hydraulic pressure	Active, hydraulic pressure	Active, hydraulic pressure	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)	0 – 6.9 km/h 0 – 13 km/h 0 – 20 km/h	0 – 6.9 km/h 0 – 13 km/h 0 – 20 km/h	0 – 6.9 km/h 0 – 13 km/h 0 – 20 km/h	0 – 6.9 km/h 0 – 13 km/h 0 – 20 km/h	0 – 6.9 km/h 0 – 13 km/h 0 – 20 km/h	0 – 6.9 km/h 0 – 13 km/h 0 – 20 km/h
Drive range (25 km/h)	0 – 8.6 km/h 0 – 19.6 km/h 0 – 25 km/h	0 – 8.6 km/h 0 – 19.6 km/h 0 – 25 km/h	0 – 8.6 km/h 0 – 19.6 km/h 0 – 25 km/h	0 – 8.6 km/h 0 – 19.6 km/h 0 – 25 km/h	0 – 8.6 km/h 0 – 19.6 km/h 0 – 25 km/h	0 – 8.6 km/h 0 – 19.6 km/h 0 – 25 km/h
Drive range (30 km/h)	0 – 10.2 km/h 0 – 19.6 km/h 0 – 30 km/h	0 – 10.2 km/h 0 – 19.6 km/h 0 – 30 km/h	0 – 10.2 km/h 0 – 19.6 km/h 0 – 30 km/h	0 – 10.2 km/h 0 – 19.6 km/h 0 – 30 km/h	0 – 10.2 km/h 0 – 19.6 km/h 0 – 30 km/h	0 – 10.2 km/h 0 – 19.6 km/h 0 – 30 km/h
Hydro-mechanical rear axle + Full ASR	Optional	Optional	Optional	Optional	Optional	–
ProDrive, Autoshift transmission, Differential lock, (automatic and manual), Automatic wet brake system						
Drive range (20 km/h)	0 – 20 (Field) / 0 – 20 (Road)	0 – 20 (Field) / 0 – 20 (Road)	0 – 20 (Field) / 0 – 20 (Road)	0 – 20 (Field) / 0 – 20 (Road)	0 – 20 (Field) / 0 – 20 (Road)	–
Drive range (25 km/h)	0 – 20 (Field) / 0 – 25 (Road)	0 – 20 (Field) / 0 – 25 (Road)	0 – 20 (Field) / 0 – 25 (Road)	0 – 20 (Field) / 0 – 25 (Road)	0 – 20 (Field) / 0 – 25 (Road)	–
Drive range (30 km/h)	0 – 20 (Field) / 0 – 30 (Road)	0 – 20 (Field) / 0 – 30 (Road)	0 – 20 (Field) / 0 – 30 (Road)	0 – 20 (Field) / 0 – 30 (Road)	0 – 20 (Field) / 0 – 30 (Road)	–
Drive range (40 km/h)	0 – 20 (Field) / 0 – 40 (Road)	0 – 20 (Field) / 0 – 40 (Road)	0 – 20 (Field) / 0 – 40 (Road)	0 – 20 (Field) / 0 – 40 (Road)	0 – 20 (Field) / 0 – 40 (Road)	–
Hydro-mechanical rear axle + Full ASR	Optional	Optional	Optional	Optional	Optional	–
Crop Harvesting Units						
Grass pick-ups	4, 5, 4, 0, 3, 0 m	4, 5, 4, 0, 3, 0 m	4, 5, 4, 0, 3, 0 m	4, 5, 4, 0, 3, 0 m	4, 5, 4, 0, 3, 0 m	4, 5, 4, 0, 3, 0 m
Kemper Rotary Header, Rows	10/7.5 m, 8/6 m	10/7.5 m, 8/6 m	10/7.5 m, 8/6 m	8/6 m, 6/4.5 m	8/6 m, 6/4.5 m	6/4.5 m, 4/3 m
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	Swing away, wide access	Swing away, wide access	Swing away, wide access	Swing away, wide access	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	–	–	4 Speed Opt	4 Speed Opt	4 Speed Opt	4 Speed Opt
Number of front end drive speeds	2	2	2	2	2	2
Cutterhead						
Cutterhead housing width	830 mm	830 mm	710 mm	710 mm	710 mm	710 mm
Cutterhead: width/diameter	805/610 mm	805/610 mm	683/610 mm	683/610 mm	683/610 mm	683/610 mm
Weight	398 kg	398 kg	348 kg	348 kg	348 kg	348 kg
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
Speed at rated engine speed	1200 rpm	1200 rpm	1150/1000 rpm	1150/1000 rpm	1150/1000 rpm	1150/1000 rpm
Knife types available (crop)	Straight (grass) Curved (maize)	Straight (grass) Curved (maize)	Straight (grass) Curved (maize) Angled (maize)	Straight (grass) Curved (maize) Angled (maize)	Straight (grass) Curved (maize) Angled (maize)	Straight (grass) Curved (maize) Angled (maize)
Sharpening system	Reverse rotation remote from cab	Reverse rotation remote from cab	Reverse rotation remote from cab	Reverse rotation remote from cab	Reverse rotation remote from cab	Reverse rotation remote from cab
Shear bar, reversible	Standard	Standard	Standard	Standard	Standard	Standard

	7850	7750	7550	7450	7350	7250
Kernel Processor						
Type	Serrated roller, Quick change and remove	Serrated roller, Quick change and remove	Serrated roller, Quick change and remove	Serrated roller, Quick change and remove	Serrated roller, Quick change and remove	Serrated roller, Quick change and remove
Maize, roll teeth number (speed differential)	118 (21%)	118 (21%)	107 (21%)	107 (21%)	107 (21%)	107 (21%)
Wholecrop, roll teeth number (speed differential)	–	–	160 (32%)	160 (32%)	160 (32%)	160 (32%)
Sorghum, roll teeth number (speed differential)	–	–	214 (32%)	214 (32%)	214 (32%)	214 (32%)
Roll diameter	240 mm	240 mm	216 mm	216 mm	216 mm	216 mm
Crop Accelerator						
Rotor Diameter / Housing Width	560 / 632 mm	560 / 632 mm	405 / 506 mm	405 / 506 mm	405 / 506 mm	405 / 506 mm
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	200°	200°	200°	200°	200°	200°
Reach from centre line (optional)	3.75 m (4.55 m)	3.75 m (4.55 m)	3.75 m (4.55 m)	3.75 m (4.55 m)	3.75 m (4.55 m)	3.75 m (4.55 m)
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
LOC (theoretical) 48 knife cutterhead						
40 knives	6 ... 26 mm 1 mm Steps	6 ... 26 mm 1 mm Steps	6 ... 26 mm 1 mm Steps	6 ... 26 mm 1 mm Steps	6 ... 26 mm 1 mm Steps	6.5 mm, 9.2 mm 13.8 mm, 19.4 mm
48 knives	5 ... 22 mm 1 mm Steps	5 ... 22 mm 1 mm Steps	5 ... 22 mm 1 mm Steps	5 ... 22 mm 1 mm Steps	5 ... 22 mm 1 mm Steps	5.4 mm, 9.2 mm 11.5 mm, 16.2 mm
56 knives	4 ... 19 mm 1 mm Steps	4 ... 19 mm 1 mm Steps	4 ... 19 mm 1 mm Steps	4 ... 19 mm 1 mm Steps	4 ... 19 mm 1 mm Steps	4.7 mm, 6.6 mm 9.9 mm, 13.9 mm
Electrical System (12 V)						
Batteries (numbers)	(2) x 174 Ah	(1) x 174 Ah	(1) x 174 Ah	(1) x 174 Ah	(1) x 174 Ah	(1) x 174 Ah
Alternator	150 A	150 A	150 A	150 A	150 A	150 A
Capacities (Tank)						
Fuel	1100 L	1100 L	1100 L	1100 L	700 L (1100 L opt.)	700 L (1100 L opt.)
Hydraulic system	46 L	46 L	46 L	46 L	46 L	46 L
Maintenance						
Rotary radiator screen cleaner	Standard	Standard	Standard	Standard	Standard	Standard
Automatic lubrication system	Optional	Optional	Optional	Optional	Optional	Optional
Engine oil and filter change after	500 Hrs (JD+50 or E4/E5 oil) 250 Hrs (other oil)	500 Hrs (JD+50 or E4/E5 oil) 250 Hrs (other oil)	500 Hrs (JD+50 or E4/E5 oil) 250 Hrs (other oil)	500 Hrs (JD+50 or E4/E5 oil) 250 Hrs (other oil)	500 Hrs (JD+50 or E4/E5 oil) 250 Hrs (other oil)	375 Hrs (JD+50 or E4/E5 oil) 250 Hrs (other oil)
Cab						
Tilt and extend steering column	Standard	Standard	Standard	Standard	Standard	Standard
Air conditioning and heater (ClimaTrak)	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 on cab post	Standard on cab post	Standard on cab post	Standard on cab post	Standard on cab post	Standard on cab post
Operator information system	Cab post monitors	Cab post monitors	Cab post monitors	Cab post monitors	Cab post monitors	Cab post monitors
CAN-BUS electronics	Standard	Standard	Standard	Standard	Standard	Standard
Air suspension seat	Optional	Optional	Optional	Optional	Optional	Optional
Windscreen wiper	Parallel type	Parallel type	Parallel type	Parallel type	Parallel type	Parallel type
Side window wiper	Optional	Optional	Optional	Optional	Optional	Optional
Electric adjust and heated rear view mirrors	Optional	Optional	Optional	Optional	Optional	Optional
AMS Solution						
HarvestMon	Optional	Optional	Optional	Optional	Optional	NA
HarvestDoc	Optional	Optional	Optional	Optional	Optional	NA
HarvestLab	Optional	Optional	Optional	Optional	Optional	NA
AutoTrac	Optional	Optional	Optional	Optional	Optional	NA
Vehicle						
With front tyres	800/65 R32	800/650R32	800/65 R32	800/650R32	650/75 R32	620/75 R34
With rear tyres	540/65R26	540/65R26	540/65R26	540/65R26	16.5/85-24 / 480/80R26	16.5/85-24
Transport length (w/o header)	6.62 m	6.62 m	6.62 m	6.62 m	6.62 m	6.62 m
Transport width (w/o header)	3.30/3.45 m**	3.30/3.45 m**	3.30/3.45 m**	3.30/3.45 m**	2.95/3.16 m**	2.95 m
Transport height (to cab roof)	3.7 m	3.7 m	3.7 m	3.7 m	3.7 m	3.7 m
Working height (max)	6.2 m	6.2 m	6.2 m	6.2 m	6.2 m	6.2 m
Approx. weight (without header)	12960 kg	12680 kg	11580 kg	11580 kg	11280 kg	9755 kg