

ENGINE PERFORMANCE	5080E	5090E	5100E
Rated Power (97/68 EC)	59 kW (80 hp)	66 kW (90 hp)	74 kW (100 hp)
Maximum Power (97/68 EC)	64 kW (87 hp)	72 kW (98 hp)	79 kW (108 hp)
Rated Power (ECE-R24)	56 kW (76 hp)	63 kW (86 hp)	71 kW (96 hp)
Maximum Power (ECE-R24)	61 kW (83 hp)	69 kW (94 hp)	77 kW (104 hp)
Max. torque (97/68/EC)	334	376	416
Torque Reserve (97/68/EC)	30%	30%	30%
Constant Power Range	550 rpm	550 rpm	550 rpm

ENGINE SPECIFICATIONS	5080E	5090E	5100E
Rated Speed	550 rpm	550 rpm	550 rpm
Type	2300 rpm		
Aspiration	PowerTech Plus, CommonRail, 2 Valve, Stage III A Emissions Certified Turbocharger with Active Charge Aircooler		
Cylinder and Displacement	4/4525		
Cooling and Displacement	- Temperature controlled viscous Fan		
Cooling Fan Drive	High Pressure CommonRail		
Fuel Injection System & Control	130 Litre (Optional 150 Litre)		
Fuel Tank Capacity	Base equipment		
Cruise Control			

CLUTCH
Oil-cooled PermaClutch II, 225 mm diameter discs

TRANSMISSION OPTIONS
16/16 PowerQuad Plus 3.3 – 40 km/h
16/16 PowerQuad Plus w. 16/16 Underdrive 1.5 – 40 km/h
16/16 AutoQuad Plus 3.3 – 40 km/h
16/16 AutoQuad Plus w. 16/16 Underdrive 1.5 – 40 km/h
1 Lever Shifting

PTO-REAR
Automatic Shift Point Control
De-clutch Button
Softshift
Speed Matching

PTO-FRONT	
Electro-hydraulically operated oil-cooled multi-disc	
Engine rpm at rated PTO speed:	
540/540E PTO with 6 Spline Shaft	2097/1701 rpm
540/540E/1000 PTO with Reversible 6 & 21 Spline Shaft	2097/1697/2074 rpm
PTO Remote Control	Base equipment on LH Fender (optional on RH fender)

PTO-FRONT	
Type	Electro-hydraulically operated oil-cooled multi-disc clutch
Speed	1000
Rotation	Counterclockwise

HYDRAULIC SYSTEM	
Maximum Flow	56 or 65 Litre/min with 200 bar
Type	Load sensing with constant flow pump (PC-pressure compensated)

3-POINT HITCH – Rear	
Maximum SCV's	3
Mid-Mounted Couplers	Option
Sensing Type	Electronic lower link
Sensing Modes	Load & depth control, infinite mix, float
Control Modes	Height limiter, rate of drop, quick raise&pull-in, hitch dampening
Maximum Lift Capacity at Hooks	42 kN
Hitch Remote Control	Base equipment on LH Fender (optional on RH Fender)

FRONT HITCH	
Max. lift capacity	29 kN

AXLES	
Engagement 4WD	Electro-hydraulically operated, oil cooled clutch
Engagement Front Differential Lock	Automatic self-locking under full load
Engagement Rear Differential Lock	Electro-hydraulically operated, oil-cooled multi-disc

BRAKES	
Foot Brake	Oil-cooled discs, self-energizing, self-adjusting base equipment
Park Lock	
4WD Braking	Automatic 4WD engagement

CAB	
Type	Tilttable cab, 310° all-round vision; telescoping and tilttable steering column/wheel;
Sound Level under Full Load	2 Storage compartments; opti. FieldOffice 74 dB(A)
Service Display	Tilttable cab (Standard and Low Profile)
Storage Important Options	Dual Gauge II Premium panel and additional info-display in RH B-post

CHASSIS	
Structure	Full steel frame
Engine Mounting	4 vibration absorbing bearings

DIMENSIONS AND WEIGHTS	
Wheelbase	2250
Overall Height Standard Cab / Low Profile Cab	2595/2540
With Tyre Size	16, 9834 and 13, 6824
Center of Rear Axle to Top of Cab Roof	1850
Ground Clearance 4WD, Centre	390
Overall Width (Tread 1712 mm)	2175
Overall Length with Base Weight	3950
Minimum Shipping Weight	3700 kg
Maximum Permissible Gross weight at 40 km/h (kg)	6600 kg

John Deere Loaders Compatible with the SR Series	
Model 533	
Model 583	
Model 633	

SERVICE INTERVALS AND QUANTITIES	
Engine Oil	500 h, 19.5 L
Engine Coolant	1500 h, 28 L
Transmission, Final Drive and Hydraulic Oil	1500 h, 61/71 L