

	8245R	8270R	8295R	8320R	8345R	8295RT	8320RT	8345RT
ENGINE PERFORMANCE								
Rated Power (97/68 EC) without IPM, kW (hp)	180 (245)	199 (270)	217 (295)	235 (320)	254 (345)	217 (295)	235 (320)	254 (345)
Maximum Power (97/68 EC) @1900 engine rpm without IPM, kW (hp)	197 (268)	214 (291)	237 (322)	256 (347)	278 (378)	237 (322)	256 (347)	278 (378)
Rated Power (97/68 EC) with IPM, kW (hp)	206 (280)	224 (305)	243 (330)	261 (355)	280 (380)	243 (330)	261 (355)	280 (380)
Maximum Power (97/68 EC) @ 1900 engine rpm with IPM, kW (hp)	210 (285)	229 (312)	249 (339)	269 (366)	288 (392)	249 (339)	269 (366)	288 (392)
Maximum Torque @ 1500 engine rpm in Nm	1085	1199	1310	1419	1515	1310	1419	1515
ENGINE SPECIFICATIONS								
Rated Speed, rpm	2100							
Type	PowerTech Plus, 6-cylinder, 4 valve, Stage III A Emissions Certified							
Aspiration	Variable Geometry Turbocharger, intercooled and air to air aftercooled							
Displacement, bore and stroke	9.0 liter, 118.4 mm x 136 mm							
Cooling Fan Drive	VariCool - variable speed cooling fan drive system							
Fuel Injection System & Control	High Pressure CommonRail with full elec. injection management, elec. single injector control							
Fuel Tank Capacity in liters	681	681	681	681	681	758	758	758
TRANSMISSION OPTIONS								
AutoPowr	Infinitely variable transmission with full electronic engine and transmission management AutoClutch, PowerZero, variable reverser ratio and FieldCruise							
Speed range	Infinite – 50 m/h to 42 km/h or 50 km/h					Infinite – 50 m/h to 40 km/h		
Modes	4 modes - manual, PTO, heavy draft load control & light draft/transport economy							
Automatic PowerShift	16F/5R full PowerShift speeds w/ fully autom. shifting & FieldCruise control				–		16F/5R full PowerShift speeds w/ fully	
Speed range	8 field working speeds. 2 – 42 km/h forwards, 1.8 – 16 km/h reverse				–		8 field working speeds. 2 – 42 km/h forwards, 1.8 – 16 km/h reverse	
Automatic shifting	Shifting in relation to throttle position & load for transport & field applications				–		Shifting in relation to throttle position & load for transport & field applications	
REAR-PTO								
PTO Clutch	Independent oil cooled multiple disc							
PTO engagement	Electro-Hydraulically engaged and braked. External fender mounted control switches							
Types	1000 rpm, 20 spline 45 mm shaft or 2-speed, dry change 1000 rpm and 540 rpm with 45 and 35 mm shafts					1000 rpm, 20 spline 45 mm		
Engine speed at standard PTO speeds	1000 @ 2000, 540 @ 1820 rpm					1000 @ 2000 rpm		
HYDRAULIC SYSTEM								
Type	PFC System (pressure & flow compensating) load sensing with dedicated axial piston type pump							
Maximum Flow liters/min	167 or optional 227							
Maximum SCV's	5							
Electro-hydraulic selective control valves	Neutral, raise, lower and float. Adjustable flow with temperature compensation. Selectable detents. Load check valves and release assistors.							
3-POINT HITCH – Rear								
Categories	Cat 3N/3 with hook type draft link ends or optional Cat 4N/3 with hook type draft link ends			Cat 4N/3 w/ hook type draft link ends		Category 3N/3 or opt. Category 4N/3	Category 3N/3 or opt. Category 4N/3	Category 4N/3 w/hook type draft link ends
Type	Electro-hydraulic with full electronic lower link draft sensing. Hitch dampening. External fender mounted control switches"							
Maximum lift capacity at hooks, kg (kN)	10.788 (105.8)	10.788 (105.8)	10.788 (105.8)	11.762 (115.3)	11.762 (115.3)	12.700 (124.54)	12.700 (124.54)	12.610 (123.66)
OECD lift capacity at 610 mm, kg (kN)	7.665 (75.16)	7.665 (75.16)	7.665 (75.16)	8.436 (82.72)	8.436 (82.72)	8.436 (82.72)	8.436 (82.72)	8.754 (85.84)

	8245R	8270R	8295R	8320R	8345R	8295RT	8320RT	8345RT
FRONT HITCH – optional								
Independent Link Suspension Design	Optional	Optional	Optional	Standard	Standard	–	–	–
Suspension System	John Deere independent upper and lower arms with integrated centre and outer final drives. Electro-hydraulic integrated management					–	–	–
Suspension range and cylinders	Hydro-pneumatic, permanently active, automatic levelling, automatic load compensation and draft active geometry for 3-point hitch implements ± 125 mm at each wheel, 2 double acting hydraulic cylinders with suspension and rebound damping					–	–	–
Performance features	Electro-hydraulic differential lock, dual wheel capable, integrated transmission lubrication oil and integral high capacity balanced steering cylinder					–	–	–
1300 Series mechanical front wheel drive Design	Standard	Standard	Standard	Optional	–	–	–	–
1500 Series mechanical front wheel drive Design	Optional	Optional	Optional	Optional	Optional	–	–	–
STEERING AND BRAKES (Track models)								
Steering system	–	–	–	–	–	Hydrostatic differential steering, Proportional and speed sensitive, Park lock, no-turn safety system"		
Control	–	–	–	–	–	Tiltable, telescopic steering column with memory		
Braking system	–	–	–	–	–	Hydraulic multi disc oil cooled brakes, Transmission Park lock and secondary brake		
FRONT AXLE (Track models)								
Equipped with AirCushion Suspension System	–	–	–	–	–	Standard	Standard	Standard
REAR AXLE (Track models)								
Differential steer with inboard planetary Undercarriage (Track models)	–	–	–	–	–	Standard	Standard	Standard
Track Tension Force, kg	–	–	–	–	–	14.515	14.515	14.515
Midroller diameter, mm	–	–	–	–	–	426	426	426
Frontidler diameter, mm	–	–	–	–	–	950	950	950
Wheelbase, mm	–	–	–	–	–	2515	2515	2515
CAB								
Type	CommandView II Cab, with ComfortCommand Seat with adjustable right hand. CommandARM Armrest Controls with integrated CommandCenter Display. Optional Deluxe CommandView II Cab with ActiveSeat.					CommandARM Armrest Controls with integrated Optional deluxe CommandView II Cab		
Sound reduction/level	Passive noise reduction system, 73 dB(A) in-cab sound level							
Air System	Manual Temperature control located in cab roof. Optional Automatic Temperature Control with controls located on CommandArm.							
DIMENSIONS AND WEIGHTS								
Width x Height x Length, m	2.48 x 3.06 x 5.59	2.48 x 3.06 x 5.59	2.48 x 3.06 x 5.59	2.48 x 3.06 x 5.59	2.48 x 3.06 x 5.59	2.67 x 3.32 x 5.89	2.67 x 3.32 x 5.89	2.67 x 3.32 x 5.89
With rear tire size	620/70R42	620/70R42	620/70R42	620/70R42	620/70R42	–	–	–
With track size	–	–	–	–	–	25" at narrowest tread spacing		
Average Base Weight (less weights, with full fuel tank), kg	–	–	–	–	–	15.631	15.631	15.631
1300 MFWD Axle, kg	11.734	11.734	11.734	11.734	–	–	–	–
1500 MFWD Axle, kg	12.000	12.000	12.000	12.000	12.000	–	–	–
Independent Link Suspension, kg	12.391	12.391	12.391	12.391	12.391	–	–	–
Wheel Base	–	–	–	–	–	–	–	–
1300 MFWD Axle, mm	3050	3050	3050	3050	–	–	–	–
1500 MFWD Axle & Independent Link Suspension, mm	3020	3020	3020	3020	3020	–	–	–