

260E SPECIFICATIONS

Engine	260E		
Manufacturer and Model	John Deere PowerTech™ PSS 6090		
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV		
Configuration	Inline 6 series turbocharger with exhaust gas recirculation (EGR) and selective catalytic reduction (SCR)		
Valves per Cylinder	4		
Displacement	9.0 L (549 cu. in.)		
Net Peak Power (ISO 9249)	239 kW (321 hp) at 1,900 rpm		
Net Peak Torque (ISO 9249)	1543 Nm (1,138 lbft.)		
Aspiration	Turbocharged and charge air cooled		
Fuel System	High-pressure common rail, with 10- and 2-micron filtration and water separator		
Cold-Start Aid	Optional ether start and block heater (110 and 220 volt, depending on location); factory-option diesel-fired coolant heater		
Cooling			
Engine Cooling	Liquid cooled with single-pass radiator, remote pressurized coolant tank, and charge air cooler		
Powertrain			
Transmission	8-speed forward, 4-speed reverse, countershaft/planetary type with integral retarder and torque-proportioning differentia		
Retarder	Integral, gear dependent, hydrodynamic, oil-to-air cooled, variable, fully automatic		
Differential	Torque-proportioning, planetary-type, interaxle differential lock (IDL) with multi-disc clutch		
Output Torque Split	32% front / 68% rear		
Shift Controls	Fully automatic, electronically modulated powershift, load-speed adaptive with gear-skip and gear-hunting protection		
Operator Interface	Push-button F-N-R, selectable speed- and gear-range limits, selectable retarder aggressiveness, downhill-descent control, and gear-hold		
Speeds	Forward Reverse		
Gear 1	6 km/h (3.7 mph) 6 km/h (3.7 mph)		
Gear 2	8 km/h (5.2 mph) 8 km/h (5.2 mph)		
Gear 3	11 km/h (6.8 mph) 11 km/h (6.8 mph)		
Gear 4	16 km/h (9.9 mph) 16 km/h (9.9 mph)		
Gear 5	23 km/h (14.3 mph) —		
Gear 6	32 km/h (19.9 mph) —		
Gear 7	45 km/h (28.0 mph) —		
Gear 8	55 km/h (34.2 mph) —		
Axles			
Differential	Holical transfer gears, spiral boyal, bydraulically actuated multi-direcences axle differential lock (CDL)		
	Helical transfer gears, spiral bevel, hydraulically actuated multi-disc cross-axle differential lock (CDL)		
Final Drive	Extreme-duty mid-board-mounted planetary standard; cooled and filtered oil optional		
Brake System			
Service	Dual-circuit, hydraulically actuated, wet multi-disc brakes with optional axle cooling and filtration system		
Parking	Spring-applied hydraulically released, driveline-mounted, dry-disc with self-adjusting wear pad		
Auxiliary	Fully automatic; transmission mounted, gear dependent; hydrodynamic retarder with selectable levels		
Hydraulics			
Type	Pressure-compensated load-sensing (PCLS), variable-displacement axial-piston main pump		
Secondary Steering Pump	Ground-driven gear pump with hydraulic unloader valve		
Dump Cylinders	Dual-acting, single-stage with heat-treated, chrome-plated, and polished cylinder rods; hardened steel replaceable bushings and pivot pins		
Cycle Time			
Power Down	7 sec.		
Raise Time	12 sec.		
Electrical			
Voltage	24 volt		
Number of Batteries	2 x 12 volt		
Battery Capacity	1,400-CCA batteries (2)		
Alternator	28 volt / 100 amp; optional 130 amp		
Steering System			
Туре	2 hydrostatically actuated, double-acting hydraulic cylinders; ground-driven secondary steering pump		
Angle	45 deg. side to side		
Lock-to-Lock Turns	4.2		
Suspension			
Front	Semi-independent leading A-frame geometry with transverse link for lateral restraint and self-leveling oil-filled struts		
	with inclusive nitrogen-charged accumulators		
Rear	Load-equalizing, pivoting walking beams with laminated suspension blocks, tri-link geometry, and transverse links for lateral restraint		
Dump Body			
Туре	High-strength steel		
Capacity	3 ·····		
Struck	11.7 m³ (15.3 cu. yd.)		
Heaped at 2:1 ISO 6483 Ratio	11.7 m² (15.3 cu. yd.) 15.0 m³ (19.6 cu. yd.)		
•	15.0 m ² (19.6 cu. yd.)		
With Optional Tailgate			
Maximum Dump Angle	70 deg.		
Heater	Body ducted for optional exhaust heating		





Service and Files Ground-Level Ackeds of engine, transmission, hydraulic oil, ade oil, and coolant levels; ground-level replacement of engin fuel, and optional ade files. Coolers Standard swinep-out coolers for easy cleaning: optional reversing fans Failed Sampling Standard fluid sampling ports: optional quick service ports Ferlit Gate Stanust Fluid (DEF) Tonk 496 L (127 gal.) Engine Oil with Filter 41 L (127 gal.) Engine Oil with Revervair 1131 (30.0 gal.) Add Fluid Standards coperty Coportly With cooling option Front 37 L (18.9 gal.) Add Fluid Standards coperty Fort 37 L (18.9 gal.) Metrix Metrix 42 L (12.7 gal.) Ferlit Standard Equipment Engine Front 12, 200 Kg (72.728 lb.) Net Standard Equipment Engine Front 22, 200 Kg (72.728 lb.) Front 12, 200 Kg (72.728 lb.) Front 12, 200 Kg (72.728 lb.) Front 12, 200 Kg (72.728 lb.) Front 24, 200 Kg (19.909 lb.) Front 24, 200 Kg (19.798 lb.) Fron	Tires/Wheels	260E	
Ground-level service Ground-level checks of engine, transmission, hydraulic oil, and coolant levels; ground-level replacement of engine fluids and filters Ground-level systematic oil, and coolant levels; ground-level replacement of engine fluids and filters and anytopic on too store systematic ports. Fluid Sampling Standard fluids simpling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids simpling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids simpling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids simpling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids simpling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids simpling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids simpling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids Sampling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids Sampling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids Sampling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids Sampling ports; gettonal quick-service ports Fluid Sampling Determine Standard fluids Sampling ports; gettonal digits Fluid Sampling Determine Standard fluids Sampling ports; gettonal digits Fluid Sampling Determine Standard fluids Sampling ports; gettonal digits Fluid Sampling Determine Standard fluids Sampling ports; gettonal digits Fluid Sampling Determine Standard fluids Sampling Determine S	Size and Type	23.5R25 radial earthmover	rs standard / 750/65R25 optional
Fluids and Filters Ground-level hecks of engine, transmission, hydraulic oil, ade oil, and coolant levels ground-level replacement of engine, framework and that-sampling ports. Caolers Standard swip-out coolers for asy cleaning: optional evening fans. Fuid Sampling Standard swip-out coolers for asy cleaning: optional evening fans. Fuid Sampling of Standard fluid-sampling ports: optional quick-service ports. Standard swip-out coolers for asy cleaning: optional evening fans. Fuid Sampling of Standard fluid-sampling ports: optional quick-service ports. Standard swip-out coolers for asy cleaning: optional evening option Teammission fluid GO [15:9 gal] Add 51:11.3 gal] Hydraulic Reservoir 113:120.0 gal] Add 51:11.3 gal] Hydraulic Reservoir 37:19.8 gal] Add 51:11.3 gal] Ned 37:19.8 gal]	Serviceability		
Fuel Standard Build Fuel <t< td=""><td>Ground-Level Service</td><td></td><td></td></t<>	Ground-Level Service		
Fluid Sampling Standard fluid Sampling ports: optional quick-service ports Fell Tank 496 L [13] gal.] Feel Tank 496 L [13] gal.] Disele Exhaust Fluid (DEF) Tank 44 L (12, 7g J.) Engine Colont 44 L (12, 7g J.) Transmission Fluid 60 L (155 gg J.) Adde Fluid Standard fluid (Sampling ports) Front 37 L (98 gg J.) Adde Fluid Standard fluid (Sampling ports) Front 37 L (98 gg J.) Mid 37 L (98 gg J.) Mid 37 L (98 gg J.) Mid 37 L (98 gg J.) Midd 47 L (98 gg J.) Midd 47 L (98 gg J.) Midd 47 L (98 gg J.) Middl 494 Y L (13 096 Ib.) Front 12 600 kg (7.778 Ib.) Total 24 92 kg (15.901 Ib.) Fluid Standard Equipment Enpty Looded 54 22 kg (13.000 Ib.) Floid Standard St	Fluids and Filters		
RefIt Capacities 495 L [13] qii.] Diese Eshaust Fluid (DEF) Tank. 496 L [12.7 qii.] Engine Oli with Fiber 34 L [12.7 qii.] Taramsison Fibrid 60 L [15.9 qii.] Taramsison Fibrid 60 L [15.9 qii.] Ade Filid Standard capacity Font 37 L [18.8 qii.] Add 5.1 L [1.3 qii.] Add 5.1 L [1.3 qii.] Pertif Weights	Coolers	Standard swing-out cooler	rs for easy cleaning; optional reversing fans
Fuel Tank 496 L(13) gul) Descie Exhaust Full (DEP) Tank 44 L(12 / gul) Engine Colom 44 L(12 / gul) Figure Colom 46 L(12 / gul) Taramsison Fluid 60 L(155 gul) Adie Fluid Standard copacity Capacity with cooling aption Front 37 L(18 gul) Add 5 L(1.3 gul) Mid 37 L(18 gul) Add 5 L(1.3 gul) Mid 37 L(18 gul) Add 5 L(1.3 gul) Midid 37 L(18 gul) Add 5 L(1.3 gul) Presting Weights Empty Looded Front 12 Gol Ng (27 / 78 lb.) 15 842 kg (34.900 lb.) Midid 494 / 5g (1.300 lb.) 15 842 kg (34.900 lb.) Rear 494 kg (45.91 lb.) 46 66 kg (102.926 lb.) Rear 494 kg (45.91 lb.) 46 66 kg (102.926 lb.) Total 22 4 kg (18.926 lb.) 15 842 kg (34.900 lb.) Rear 790 kg (1.75 lb.) 15 842 kg (34.900 lb.) Rear 24 192 kg (1.376 lb.) 46 66 kg (102.926 lb.) Rear (17 cle Radus 18 cd Radus 18 cd Radus Inside	Fluid Sampling	Standard fluid-sampling po	orts; optional quick-service ports
Fuel Tank 496 L(13) gul) Descie Exhaust Full (DEP) Tank 44 L(12 / gul) Engine Colom 44 L(12 / gul) Figure Colom 46 L(12 / gul) Taramsison Fluid 60 L(155 gul) Adie Fluid Standard copacity Capacity with cooling aption Front 37 L(18 gul) Add 5 L(1.3 gul) Mid 37 L(18 gul) Add 5 L(1.3 gul) Mid 37 L(18 gul) Add 5 L(1.3 gul) Midid 37 L(18 gul) Add 5 L(1.3 gul) Presting Weights Empty Looded Front 12 Gol Ng (27 / 78 lb.) 15 842 kg (34.900 lb.) Midid 494 / 5g (1.300 lb.) 15 842 kg (34.900 lb.) Rear 494 kg (45.91 lb.) 46 66 kg (102.926 lb.) Rear 494 kg (45.91 lb.) 46 66 kg (102.926 lb.) Total 22 4 kg (18.926 lb.) 15 842 kg (34.900 lb.) Rear 790 kg (1.75 lb.) 15 842 kg (34.900 lb.) Rear 24 192 kg (1.376 lb.) 46 66 kg (102.926 lb.) Rear (17 cle Radus 18 cd Radus 18 cd Radus Inside			
Deset Exhaust Fluid (DEF) Tark 48 L (12, gal.) Engine Oil with Filter 48 L (12, gal.) Transmission Fluid 60 L (15.9 gal.) Hydraulic Reservoir 113 L (30 gal.) Adde Fluid Stondord copority Capacity with cooling option Front 37 L (9.8 gal.) Add 5.1 L (1.3 gal.) Rear 37 L (9.8 gal.) Add 5.1 L (1.2 gal.) Rear 37 L (9.8 gal.) Add 5.4 L (1.1 gal.) Rear 37 L (9.8 gal.) Add 4.5 L (1.2 gal.) Porting Weight Loaded Loaded With Standord Suppment Empty Loaded Rear 4947 kg (10.006 h) 15 422 kg (3.400 h) Midde 22.498 kg (0.533 H) 46 668 kg (102.925 h.) Optional Components Dunp-Body Ling (1.759 h.) Total Dunp-Body Ling (1.5 kg.) 568 kg (1.739 h.) Total Dunp-Body Ling (1.5 kg.) Stan (1.4 k. b.in.) Total Dunp-Body Ling (1.5 kg.) Stan (1.4 k. b.in.) Total Dunp-Body Ling (1.5 kg.) Stan (1.4 k. b.in.) Total Stard Baload 2.47 m (14 f. b. b.in.) Total Stard (1.4 k. b.) <		496 L (131 gal.)	
Engine Columbia 44 (10, 20 µ) Transmission Fluid 60 (15, 50 µ), Adve Fluid Stondard capacity Capacity with cooling option Front 37 (19, 80 µ), Add 5.1 (1.1 µ), Mid 37 (19, 80 µ), Add 5.1 (1.1 µ), Mid 37 (19, 80 µ), Add 4.2 (1.1 µ), Mid 37 (19, 80 µ), Add 4.5 (1.2 µ), Operating Weights Noded Stondard 2.2 (7.78 µ), Front 17 (19, 80 µ), Kodd 4.5 (1.2 µ), Person 12.600 µ (2.7.78 µ), 15 942 № (3.93 20 µ), Midel 4947 № (10.000 h), 15 942 № (3.93 20 µ), Para 4947 № (10.900 h), 15 942 № (3.93 20 µ), Para 4947 № (10.900 h), 15 942 № (3.93 № 0), Optional Components Para 1.4 2.2 № № (0.1	Diesel Exhaust Fluid (DEF) Tank		
Engine Coolant 48.112.7 gal.) Transmission Fluid 60.115.9 gal.) Hydraule Reservoir 113.1.30.0 gal.) Aske Fluid Stondard capacity Capacity with cooling option Pront 37.1.9.8 gal.) Add 45.1.(1.3 gal.) Rear 37.1.9.8 gal.) Add 45.1.(1.3 gal.) Rear 37.1.9.8 gal.) Add 45.1.(1.2 gal.) Operation Weights Encode Status 12.1.2.2.2.1.2.2.2.1.2.2.2.2.2.1.2			
Transmission Fluid 60L [15 9 g4]. Ade Fluid Standard copacity Capacity with colling option Front 37 [19 8 g4]. Add 5 1. [1.3 g4]. Mid 37 [19 8 g4]. Add 4 5. [1.1 g4]. Rear 37 [19 8 g4]. Add 4 5. [1.2 g4]. Operating Weights Cooled Front 12 600 kg [27.778 lb.] 15 842 kg [14 9.26 lb.] Front 12 600 kg [27.778 lb.] 15 842 kg [14 9.26 lb.] Front 12 600 kg [27.778 lb.] 15 842 kg [14 9.26 lb.] Front 12 600 kg [27.778 lb.] 15 842 kg [14 9.26 lb.] Rear 4947 kg [10.096 lb.] 15 422 kg [14.000 lb.] Rear 4947 kg [10.096 lb.] 15 422 kg [34.000 lb.] Rear Payload 24 192 kg [53.334 lb.] Operating Dimension Dump-Body Liner (steel) 798 kg [1.297 lb.] 15 422 kg [34.000 lb.] Trailgate 627 kg [1.40 lb.] 15 422 kg [34.000 lb.] Dottide 8.02 m [26 ft.41 m.] 15 422 kg [34.000 lb.] Dottide 8.02 m [26 ft.41 m.] 15 422 kg [34.000 lb.] Totide 8.02 m [26 ft.41 m.] 15 422 kg [34.000 lb.] Troidy Corte fadus	-		
hydraulic Reservoir 113 L [30 d gul) Axie Fluid Standard coacity Capacity with coaling aption Front 37 L [98 gul) Add 45 L [.1.3 gul) Rear 37 L [98 gul) Add 45 L [.1.3 gul) Rear 37 L [98 gul) Add 45 L [.1.2 gul) Operation Wights 37 L [98 gul) Add 45 L [.1.2 gul) With Standard Equipment Engty Loaded Front 12 500 kg [27.78 lb) 15 842 kg [34,900 lb) Midle 4947 kg [10.906 lb) 15 422 kg [34,000 lb) Rear 4947 kg [10.906 lb) 15 422 kg [34,000 lb) Total 22 494 kg (49.591 lb.) 46 66 kg [102.295 lb.) Atted Payload 24 192 kg [37.334 lb.) 97 kg [1.759 lb.) Tailgate 637 kg [1.40 lb.) 750 (55R25 Tires 62 kg [1.276 lb.) Outside 80 20 (25 ft. 4 ln.) 750 (55R25 Tires 22 kg 77 km [31 ft. 1 ln.) Outside 80 20 (25 ft. 4 ln.) 750 (55R25 Tires 22 kg 77 km [31 ft. 1 ln.) Outside 80 20 (25 ft. 4 ln.) 22 m [7 ft. 6 ln.] 22 m [7 ft. 6 ln.] Outside 80 20 (25 ft. 4 ln.) 30 m (10 ft. 1 ln.) 30 m (10 ft. 1 ln.)			
Aike Fluid Standard capacity Capacity with cooling aption Front 371 (98 gal) Add 5.1 (1.3 gal) Mid 371 (98 gal) Add 4.2 (1.1 gal) Rear 371 (9.8 gal) Add 4.5 (1.2 gal) Operating Weights Uoded Front With Standard Equipment Engly Loadd Front 12 600 kg (27.778 lb.) 15 842 kg (34.926 lb.) Middle 4947 kg (10.906 lb.) 15 422 kg (34.000 lb.) Rear 4947 kg (10.906 lb.) 15 422 kg (34.000 lb.) Total 22 494 kg (19.538 lb.) 46 666 kg (102.925 lb.) Standard Equipments Dump-Body (Instell) 788 kg (1.759 lb.) Tailgate 637 kg (1.494 lb.) 750 /65825 Dump-Body (Instell) 788 kg (1.759 lb.) Final Inside 4.27 m (14 ft. 0 in.) Unstring Girce Realiss Inside 4.27 m (14 ft. 0 in.) Unstring Girce Realiss Inside 2.28 m (7 ft. 6 in.) 3.05 m (10 ft. 1 in.) Sterght 3.66 m (12 ft. 0 in.) 3.05 m (10 ft. 0 in.) Dump Body Height, Transport Position 6.29 m (19 ft. 1 in.) 3.05 m (10 ft. 0 in.)			
Front 371 (9.8 gal.) Add 51 (1.1 gal.) Mid 371 (9.8 gal.) Add 42 (1.1 gal.) Rear 371 (9.8 gal.) Add 42 (1.1 gal.) Decating Weights	,	-	Capacity with cooling option
Mid 37 L [9.8 gal.] Add 42 L [1.1 gal.] Operating Weights With Standard Equipment Empty Loaded With Standard Equipment 12 600 kg (27.778 h.). 15 842 kg (34.926 h.) Middle 4947 kg (10.906 h.). 15 842 kg (34.000 h.) Rear 4947 kg (10.906 h.). 15 422 kg (34.000 h.) Total 22 494 kg (45.91 h.). 46 668 kg (102.925 h.). Atted Payload 74 192 kg (33.34 h.). 46 668 kg (102.925 h.). Optional Components Dump-Body Lingrif (steel) 798 kg (1.759 h.). Tailgate 637 kg (1,404 h.). 750/65825 Total 8.02 m (26 f. 4 n.). 750/65825 Unring Circle Radius 4.27 m (14 f. 0 n.). 750/65825 Inside 4.27 m (14 f. 0 n.). 750/65825 O trans Unring Circle Radius 2.38 m (7 f. 6 in.) 2.30 m (7 f. 6 in.) S Length 9.7 m (9 f. 6 in.) 2.03 m (10 f. 1 in.) C freating the part of the part f. in. 2.36 m (7 f. 6 in.) 3.05 m (10 f. 0 in.) Outside 8.2 m (2 f. 8 in.) 3.05 m (10 f. 0 in.) 1.0 m (10 f. 0 in.			
Rear 37 L (9.8 gnl.) Add 4.5 (1,2 gnl.) Operating Weights Enpty Loaded With Standard Equipment Enpty Loaded Frant 12 600 kg (127.778 h.) 15 642 kg (13.926 h.) 15 422 kg (13.926 h.) Middle 4947 kg (10.906 h.) 15 422 kg (13.926 h.) 15 422 kg (13.926 h.) Total 22 494 kg (19.591 h.) 45 666 kg (102.925 h.). 45 42 kg (13.926 h.) Particip May Components Total 22 494 kg (19.959 h.b.). 45 666 kg (102.925 h.).] Dump-Body Liner (steel) 798 kg (1.376 h.) Total 22 494 kg (19.959 h.b.). 45 7 kg (1.404 h.). 7506 5825 Tres 624 kg (1.376 h.) Dome-Body Liner (steel) 790 kg (1.57 h.). Total Partia Dimensions Vert Worth Minros in Operating Position 349 m (11 ft. 5 in.) Steem (12 ft. 6 in.) Tre Options 228 m (7 ft. 6 in.) 307 m (10 ft. 1 in.) B Length 9.74 m (9 ft. 5 in.) 3.05 m (10 ft. 1 in.) Stem (10 ft. 1 in.)			-
Operating Weights Loaded With Standard Equipment 12 600 kg (27.778 h.). 15 842 kg (34.926 h.) Middle 4947 kg (10.906 h.) 15 842 kg (34.000 h.) Rear 4947 kg (10.906 h.) 15 422 kg (34.000 h.) Total 22 494 kg (49.591 h.) 46 686 kg (102.925 h.) Bated Payload 24 192 kg (33.34 h.). 46 686 kg (102.925 h.). Dyno-Body Line (steel) 798 kg (1.759 h.). 46 686 kg (102.925 h.). Tailgate 637 kg (1.404 h.). 750/68725 Trics Optional Components 11 h. 15 h.2 Dyno-Body Line (steel) 798 kg (1.759 h.). 46 686 kg (102.925 h.). Tailgate 637 kg (1.404 h.). 750/68725 Trics Outside 8.02 m [26 ft. 4 m.). 97 m (31 ft. 11 in.). Outside 3.49 m (11 ft. 5 in.) 3.28 m (7 ft. 6 in.) A Width With Mirrors in Operating Position 3.49 m (11 ft. 5 in.) 3.05 m (10 ft. 1 in.) Width Over Tries 2.37 m (9 ft. 5 in.) 3.05 m (10 ft. 1 in.) Storm (10 ft.) 2.38 m (9 ft. 6 in.) 3.05 m (10 ft. 1 in.) Dump Body Stoe Bail Height 2.38 m (9 ft.			
With Standard Equipment Empty Loaded Front 12 600 kg (27.778 lb.) 15 842 kg (34.926 lb.) 15 422 kg (34.000 lb.) Middle 4947 kg (10.906 lb.) 15 422 kg (34.000 lb.) 15 422 kg (34.000 lb.) Rear 4947 kg (10.906 lb.) 15 422 kg (34.000 lb.) 15 422 kg (34.000 lb.) Atted Payload 22 494 kg (40.959 lb.) 45 626 kg (102.925 lb.) 15 422 kg (34.000 lb.) Dump-Body Liner (steel) 798 kg (1.759 lb.) 15 422 kg (34.000 lb.) 15 422 kg (34.000 lb.) Tailgate 637 kg (1.376 lb.) 750/65825 Tires 624 kg (1.376 lb.) Operating Dimensions 10 runing Circle Radus 10 runing Circle Radus Inside 4.27 m (14 ft. 0 in.) 10 runing Circle Radus Voltside 8.02 m (26 ft. 4 in.) 10 runing Circle Radus Itree Options 23 5825 750/65825 10 runing Circle Radus Vidth Wort Fries 2.87 m (9 ft. 5 in.) 2.08 m (16 ft. 1 in.) 10 runing (10 ft. 1 in.) Sort mold Clearance 0.49 m (19 4: h). 10 run (16 ft. 1 in.) 10 run (16 ft. 1 in.) Width Wort Fries 2.87 m (9 ft. 5 in.) <td< td=""><td></td><td>2. 2 (210 gali)</td><td>····· ···· = , ··· = gon/</td></td<>		2. 2 (210 gali)	····· ···· = , ··· = gon/
Front 12 & 600 kg 27,778 (h.) 15 #42 kg 34,926 (h.) Middle 4947 kg (10,906 (h.) 15 422 kg 34,000 (h.) Rear 4947 kg (10,906 (h.) 15 422 kg 34,000 (h.) Total 22 494 kg (49,591 (h.) 46 666 kg (102,925 (h.) Reide Payload 24 192 kg (35,334 (h.) 46 666 kg (102,925 (h.) Dump:Body Lipter (steel) 798 kg (1,759 (h.) 46 666 kg (102,925 (h.) Jagta E 637 kg (1,404 (h.) 750/65825 Zolf Cell Radius 1.0 1.0 Inside 4.27 m (14 ft. 0 (h.) 2.28 m (7 ft. 6 (h.)) Outside 8.02 m (26 ft. 4 (h.)) 1.0 Muthine Dimensions 3.49 m (11 ft. 5 (h.) 1.0 A Width with Mirrors in Operating Position 3.49 m (11 ft. 5 (h.) 2.28 m (7 ft. 6 (h.)) C Height 3.66 m (12 ft. 0 (h.) 2.28 m (7 ft. 6 (h.)) 2.28 m (7 ft. 6 (h.)) C Height 2.68 m (9 ft. 6 (h.)) 3.07 m (10 ft. 1 (h.) 1.0 m (10 ft. 0 (h.) 1.0 m (10 ft. 0 (h.) Dump Body Stafe Rail Height 2.87 m (9 ft. 5 (h.) 3.05 m (10 ft. 0 (h.) 1.0 m (10 ft. 0 (h.)) 1.0 m (10 ft. 0 (h.)		Fmpty	l oaded
Middle 4947 kg (10,906 lb.) 15 422 kg (34,000 lb.) Rear 4947 kg (10,906 lb.) 15 422 kg (34,000 lb.) Total 22 494 kg (49,991 lb.) 46 666 kg (102,92 lb.) Batted Payload 24 192 kg (53,334 lb.) 46 666 kg (102,92 lb.) Dump-Body Liner (steel) 798 kg (1,759 lb.) 731 Tailgate 637 kg (1,404 lb.) 5750/5825 Tres 624 kg (1,376 lb.) Operating Dimensions 1 1 1 Turing Circle Radius 4.27 m (14 ft. 0 in.) 1 Inside 4.27 m (14 ft. 0 in.) 1 Outside 8.02 m (26 ft. 4 in.) 1 Machine Dimensions 3.49 m (11 ft. 5 in.) 1 B Length 3.66 m (12 ft. 0 in.) 750/65825 D Tread Width 2.28 m (7 ft. 6 in.) 3.07 m (10 ft. 1 in.) B Length 3.66 m (12 ft. 0 in.) 25 RZ (2 stm (7 ft. 6 in.) 3.05 m (10 ft. 1 in.) B Width Over Tires 2.87 m (9 ft. 5 in.) 3.07 m (10 ft. 0 in.) 10 m pl body Side Rail Height 2.07 m (6 ft. 10 in.) D mp Body Dun Lip Height, Trasport Position 6.29 m (20 ft. 8 in.) 2.07 m (6 ft. 10 in.) 2.07 m (6 ft. 10 in.) 2.07 m (6 ft. 10 i			
Rear 4947 kg (10,906 lb.) 15 422 kg (34,000 lb.) Total 22 494 kg (49,591 lb.) 46 666 kg (102,925 lb.) Rated Payload 24 192 kg (1,759 lb.) 46 666 kg (102,925 lb.) Dump-Body Line (steel) 798 kg (1,759 lb.) 797 kg (1,404 lb.) 750/GSR25 Tires 624 kg (1,376 lb.) 0 Operating Dimensions 1 1 Turning Circle Radius 8.02 m (26 ft. 4 in.) 1 Machine Dimensions 4.27 m (14 ft. 0 in.) 1 Outside 8.02 m (26 ft. 4 in.) 1 Machine Dimensions 4.27 m (14 ft. 0 in.) 2.28 m (7 ft. 6 in.) Inside 9.74 m (31 ft. 11 in) 2.28 m (7 ft. 6 in.) 2.28 m (7 ft. 6 in.) B Length 9.74 m (31 ft. 11 in) 3.07 m (10 ft. 1 in.) 3.07 m (10 ft. 1 in.) C Fround Clearance. 0.49 m (19 k in.) 3.05 m (10 ft. 0 in.) 0.05 m (10 ft. 0 in.) C Fround Slearance 2.28 m (7 ft. 6 in.) 3.05 m (10 ft. 1 in.) 3.05 m (10 ft. 1 in.) Dump Body Length 2.45 m (16 ft. 1 in.) 3.07 m (10 ft. 1 in.) 3.05 m (10 ft. 1 in.) Dump Body Length			
Total 22 494 kg (49,591 lb.) 46 686 kg (102,925 lb.) Reide Payload 24 192 kg (53,334 lb.) 45 686 kg (102,925 lb.) Dump-Body Liner (steel) 798 kg (1,759 lb.) 750/55825 Tres Operating Dimensions 637 kg (1,769 lb.) 750/55825 Tres Operating Dimensions 750/55825 Tres 624 kg (1,376 lb.) Operating Dimensions 802 m (26 ft. 4 in.) 750/55825 Midh with Mirrors in Operating Position 3.49 m (11 ft. 5 in.) 750/55825 Vidth with Mirrors in Operating Position 3.49 m (11 ft. 5 in.) 750/55825 Vidth with Mirrors in Operating Position 3.49 m (11 ft. 5 in.) 750/55825 Tree Options 23.5825 750/65825 D Tread Width Over Tires 2.87 m (9 ft. 5 in.) 3.07 m (10 ft. 1 in.) G Cround Clearance 0.49 m (19 ki.) 3.05 m (10 ft. 0 in.) 2.07 m (6 ft. 10 in.) D Dump Body Kide Rail Height 2.85 m (9 ft. 4 in.) 3.05 m (10 ft. 0 in.) 3.05 m (10 ft. 0 in.) D Dump Body Cround Clearance. Dump Position 6.29 m (20 ft. 8 in.) 3.05 m (10 ft. 0 in.) 3.05 m (10 ft. 0 in.) D Dump Body Cround Clearance. Dump Position <		-	
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	R Maximum Dump Angle	-	

Shipping Dimensions	260E	
Overall Height (suspension lowered 75 mm [3 in.])	3.59 m (11 ft. 9 in.)	
Overall Length	9.74 m (31 ft. 11 in.)	
Tire Options	23.5R25	750/65R25
Overall Width		
Mirrors Folded In	3.07 m (10 ft. 1 in.)	3.12 m (10 ft. 3 in.)
Tailgate Installed	3.26 m (10 ft. 8 in.)	3.26 m (10 ft. 8 in.)

BIOE SPECIFICATIONS

Engine	310E		
Manufacturer and Model	John Deere PowerTech™ PSS 6090		
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV		
Configuration	Inline 6 series turbocharger with exhaust gas recirculation (EGR) and selective catalytic reduction (SCR)		
Valves per Cylinder	4		
Displacement	9.0 L (549 cu. in.)		
Net Peak Power (ISO 9249)	264 kW (354 hp) at 1,900 rpm		
Net Peak Torque (ISO 9249)	1615 Nm (1,191 lbft.)		
Aspiration	Turbocharged and charge air cooled		
Fuel System	High-pressure common rail, with 10- and 2-micron filtration and water separator		
Cold-Start Aid	Optional ether start and block heater (110 and 220 volt, depending on location); factory-option diesel-fired coolant heater		
Cooling			
Engine Cooling	Liquid cooled with single-pass radiator, remote pressurized coolant tank, and charge air cooler		
Powertrain			
Transmission	8-speed forward, 4-speed reverse, countershaft/planetary type with integral retarder and torque-proportioning differentia		
Retarder	Integral, gear dependent, hydrodynamic, oil-to-air cooled, variable, fully automatic		
Differential	Torque-proportioning, planetary-type, interaxle differential lock (IDL) with multi-disc clutch		
Output Torque Split	32% front / 68% rear		
Shift Controls	Fully automatic, electronically modulated powershift, load-speed adaptive with gear-skip and gear-hunting protection		
Operator Interface	Push-button F-N-R, selectable speed- and gear-range limits, selectable retarder aggressiveness, downhill-descent control, and gear-hold		
Speeds	Forward Reverse		
Gear 1	6 km/h (3.7 mph) 6 km/h (3.7 mph)		
Gear 2	8 km/h (5.2 mph) 8 km/h (5.2 mph)		
Gear 3	11 km/h (6.8 mph) 11 km/h (6.8 mph)		
Gear 4	16 km/h (9.9 mph) 16 km/h (9.9 mph)		
Gear 5	23 km/h (14.3 mph) —		
Gear 6			
	32 km/h (19.9 mph) — 45 km/h (28.0 mph) —		
Gear 7			
Gear 8	55 km/h (34.2 mph) —		
Axles			
Differential	Helical transfer gears, spiral bevel, hydraulically actuated multi-disc cross-axle differential lock (CDL)		
Final Drive	Extreme-duty mid-board-mounted planetary standard; cooled and filtered oil optional		
Brake System			
Service	Dual-circuit, hydraulically actuated, wet multi-disc brakes with optional axle cooling and filtration system		
Parking	Spring-applied hydraulically released, driveline-mounted, dry-disc with self-adjusting wear pad		
Auxiliary	Fully automatic; transmission mounted, gear dependent; hydrodynamic retarder with selectable levels		
Hydraulics			
Туре	Pressure-compensated load-sensing (PCLS), variable-displacement axial-piston main pump		
Secondary Steering Pump	Ground-driven gear pump with hydraulic unloader valve		
Dump Cylinders	Dual-acting, single-stage with heat-treated, chrome-plated, and polished cylinder rods; hardened steel replaceable bushings and pivot pins		
Cycle Time			
Power Down	7 sec.		
Raise Time	12 sec.		
Electrical			
Voltage	24 volt		
Number of Batteries	2 x 12 volt		
Battery Capacity	1,400-CCA batteries (2)		
Alternator	28 volt / 100 amp; optional 130 amp		
Steering System			
Туре	2 hydrostatically actuated, double-acting hydraulic cylinders; ground-driven secondary steering pump		
Angle	45 dea. side to side		
Lock-to-Lock Turns	4.2		
Suspension			
Front	Semi-independent leading A-frame geometry with transverse link for lateral restraint and self-leveling oil-filled struts with		
	inclusive nitrogen-charged accumulators		
Rear	Load-equalizing, pivoting walking beams with laminated suspension blocks, tri-link geometry, and transverse links for lateral restraint		
Dump Body			
Type	High-strength steel		
Capacity			
	12.7 m ³ (17.0 m) vol.)		
Chruck	13.7 m ³ (17.9 cu. yd.)		
Struck			
Heaped at 2:1 ISO 6483 Ratio	17.5 m³ (22.9 cu. yd.)		
Heaped at 2:1 ISO 6483 Ratio With Optional Tailgate	18.3 m ³ (23.9 cu. yd.)		
Heaped at 2:1 ISO 6483 Ratio			

STOE SPECIFICATIONS



Tires/Wheels	310E	
Size and Type	23.5R25 radial earthmover	rs standard / 750/65R25 optional
Serviceability		
Ground-Level Service		
Fluids and Filters	Ground-level checks of eng fuel, and optional axle filte	gine, transmission, hydraulic oil, axle oil, and coolant levels; ground-level replacement of engine, ers
Coolers	Standard swing-out cooler	rs for easy cleaning; optional reversing fans
Fluid Sampling	Standard fluid-sampling po	orts; optional quick-service ports
Refill Capacities		
Fuel Tank	496 L (131 gal.)	
Diesel Exhaust Fluid (DEF) Tank	48 L (12.7 gal.)	
Engine Oil with Filter	34 L (9.0 gal.)	
Engine Coolant	48 L (12.7 gal.)	
Transmission Fluid	60 L (15.9 gal.)	
Hydraulic Reservoir	113 L (30.0 gal.)	
Axle Fluid	Standard capacity	Capacity with cooling option
Front	37 L (9.8 gal.)	Add 5.1 L (1.3 gal.)
Mid	37 L (9.8 gal.)	Add 4.2 L (1.1 gal.)
Rear	37 L (9.8 gal.)	Add 4.5 L (1.2 gal.)
Operating Weights		
With Standard Equipment	Empty	Loaded
Front	12 555 kg (27,679 lb.)	15 202 kg (33,515 lb.)
Middle	5146 kg (11,345 lb.)	17 885 kg (39,430 lb.)
Rear	5146 kg (11,345 lb.)	17 885 kg (39,430 lb.)
Total	22 847 kg (50,369 lb.)	50 972 kg (112,374 lb.)
Rated Payload	28 125 kg (62,005 lb.)	
Optional Components	-	
Dump-Body Liner (steel)	864 kg (1,905 lb.)	
Tailgate	640 kg (1,411 lb.)	
750/65R25 Tires	624 kg (1,376 lb.)	
Operating Dimensions		
Turning Circle Radius		
Inside	4.27 m (14 ft. 0 in.)	
Outside	8.02 m (26 ft. 4 in.)	A
Machine Dimensions		
A Width with Mirrors in Operating Position	3.49 m (11 ft. 5 in.)	
B Length	10.16 m (33 ft. 4 in.)	
C Height	3.66 m (12 ft. 0 in.)	
Tire Options	23.5R25	750/65R25
D Tread Width	2.28 m (7 ft. 6 in.)	2.28 m (7 ft. 6 in.)
E Width Over Tires	2.87 m (9 ft. 5 in.)	3.07 m (10 ft. 1 in.)
F Width Over Fenders	2.87 m (9 ft. 5 in.)	3.05 m (10 ft. 0 in.)
G Ground Clearance	0.49 m (19.4 in.)	
H Dump Body Height, Dump Position	6.33 m (20 ft. 9 in.)	
I Dump Body Side Rail Height	2.93 m (9 ft. 7 in.)	
J Dump Body Dump Lip Height, Transport Position	2.26 m (7 ft. 5 in.)	
K Dump Body Ground Clearance, Dump Position	0.63 m (24.7 in.)	
L Dump Body Length	5.59 m (18 ft. 4 in.)	
M Rear Axle Centerline to Rear of Dump Body	1.56 m (5 ft. 1 in.)	
N Mid Axle to Rear Axle Centerline	1.67 m (5 ft. 6 in.)	
0 Front Axle to Mid Axle Centerline	4.26 m (14 ft. 0 in.)	
P Front Axle Centerline to Front of Machine	2.67 m (8 ft. 9 in.)	
Q Approach Angle	24 deg.	
R Maximum Dump Angle	70 deg.	

Shipping Dimensions	310E	
Overall Height (suspension lowered 75 mm [3 in.])	3.59 m (11 ft. 9 in.)	
Overall Length	10.16 m (33 ft. 4 in.)	
Tire Options	23.5R25	750/65R25
Overall Width		
Mirrors Folded In	3.07 m (10 ft. 1 in.)	3.12 m (10 ft. 3 in.)
Tailgate Installed	3.26 m (10 ft. 8 in.)	3.26 m (10 ft. 8 in.)

Additional equipment

310E	Neets EPA Final Tier 4 (FT4)/EU Stage IV emissionsJohn Deere PowerTech™ PSS 6090 — 9.0L (549 cu. in.)inline 6Wet-sleeve cylinder linersVariable-geometry turbocharger (VGT)External cooled exhaust gas recirculation (EGR)Dual-element air cleaner with dust-ejector valvePrecleanerHigh-pressure common-rail fuel injectionFuel/water separatorGround-level fueling and diesel exhaust fluid (DEF) fill
• • • • • • • •	John Deere PowerTech™ PSS 6090 — 9.0L (549 cu. in.) inline 6 Wet-sleeve cylinder liners Variable-geometry turbocharger (VGT) External cooled exhaust gas recirculation (EGR) Dual-element air cleaner with dust-ejector valve Precleaner High-pressure common-rail fuel injection Fuel/water separator Ground-level fueling and diesel exhaust fluid (DEF) fill
• • • • • • • •	inline 6 Wet-sleeve cylinder liners Variable-geometry turbocharger (VGT) External cooled exhaust gas recirculation (EGR) Dual-element air cleaner with dust-ejector valve Precleaner High-pressure common-rail fuel injection Fuel/water separator Ground-level fueling and diesel exhaust fluid (DEF) fill
	Variable-geometry turbocharger (VGT) External cooled exhaust gas recirculation (EGR) Dual-element air cleaner with dust-ejector valve Precleaner High-pressure common-rail fuel injection Fuel/water separator Ground-level fueling and diesel exhaust fluid (DEF) fill
	External cooled exhaust gas recirculation (EGR) Dual-element air cleaner with dust-ejector valve Precleaner High-pressure common-rail fuel injection Fuel/water separator Ground-level fueling and diesel exhaust fluid (DEF) fill
	Dual-element air cleaner with dust-ejector valve Precleaner High-pressure common-rail fuel injection Fuel/water separator Ground-level fueling and diesel exhaust fluid (DEF) fill
•	Precleaner High-pressure common-rail fuel injection Fuel/water separator Ground-level fueling and diesel exhaust fluid (DEF) fill
•	Fuel/water separator Ground-level fueling and diesel exhaust fluid (DEF) fill
•	Ground-level fueling and diesel exhaust fluid (DEF) fill
	-
_	Fast fill
-	Serpentine drive belt with automatic tensioner
	Ether start aid (recommended below –1 deg. C [30 deg. F])
	Block heater (recommended below –18 deg. C [0 deg. F]
	Diesel-fired coolant heater (DFCH) (required below –25 deg. C [–13 deg. F])
	Programmable auto-shutdown
	Automatic turbo cool-down/shutdown timer
	Flat-black exhaust stack
	Chrome exhaust stack
	Severe-duty fuel filter
	Severe-duty fuel filter with heater
	Cooling
	Dual hydraulically driven, side-mounted fans
•	Side-mounted radiator, charge-air cooler, air-conditioner condenser, fuel cooler, transmission cooler, and hydraulic cooler
	Swing-out coolers
	Integral engine oil cooler
•	Remote pressurized coolant reservoir
	John Deere Cool-Gard™ II long-life engine coolant
	Fan guard
	Reversing fans

Key: ● Standard ▲ Optional or special See your John Deere dealer for further information.

	2105	Deveeterin
260E	310E	Powertrain
•	•	Lockup torque converter
•	•	Adaptive shift control
•	•	Gear-hold switch
		Integral transmission input retarder
•	•	Automatic engaging retarder with selectable aggressiveness
•	•	Countershaft transmission with integral interaxle differential
•		Planetary interaxle locking differential with 33-percent/
		67-percent nominal output torque split
		Ground-level transmission-oil-level sight glass
		Transmission diagnostic ports
	•	Remote-mounted spin-on transmission oil filters
		Hydraulically locking differentials
	•	Differential lock floor switch
•		Automatic traction control with manual override
	•	Wet-disc brakes on all 3 axles
•		Spring-applied, hydraulically released, dry-disc park brake
		Axle filtration with remote-mounted filter
		Axle oil-temperature sensing
		Electrical System
		24-volt system voltage
	•	100-amp alternator
		130-amp alternator
	•	Solid-state electrical distribution system
•		Battery disconnect
		Batteries, 2 x 1,400 CCA
•		Drive lights
	•	Stair and service lights
		Deluxe halogen work lights, front and rear
		Deluxe LED work lights, front and rear
•		LED rear turn signals/brake lights
		Electric horn
•		Reverse alarm
		Beacon/strobe light
		24-volt to 12-volt 15-amp converter
		24-volt to 12-volt 25-amp converter