E-SERIES

ADTs

JOHN DEERE

370E / 410E / 460E

BIG-TIME PRODUCTIVITY

BUILT FOR THE LONG HAUL

INCREASED SAFETY FOR SMOOTHER SAILING.

Designed and manufactured with state-of-the-art tools and techniques by a quality-conscious workforce at our world-class facilities in Dubuque and Davenport, E-Series ADTs are exceptionally safe and reliable. New Deere-designed cab is pressurized to keep things quiet, helping operators stay comfortable and alert, all shift long.

FT4

FINAL TIER 4 DIESEL ENGINES

Durable axles, transmission, and park brake

Heavy-duty, purpose-built John Deere axles are lubricated, filtered, and cooled for longer life. Spring-applied, hydraulic-released park brake is extremely reliable.

Strong, lightweight dump body and chassis

High-alloy-steel dump body and chassis deliver superior strength and rigidity without adding weight.

Powerful, fuel-efficient FT4 engines

Rugged EPA FT4/EU Stage IV PowerTech diesel engines meet rigid emission regulations, enabling you to work, wherever there's work — even in nonattainment areas. Our field-proven technology is simple, fluid efficient, fully integrated, and fully supported. It employs cooled exhaust gas recirculation (EGR), easy-to-maintain high-uptime exhaust filters, and selective catalytic reduction (SCR).

Fuel-efficient cool-on-demand fan with reversing option

Engine, hydraulic, transmission, and service-brake coolers employ a hydraulic-drive fan that runs only as fast or as often as necessary, helping conserve power and fuel. Reversible option back-blows cooler cores, minimizing manual cleanout.

Secure dump-body service

Safety bar locks the dump body to the mainframe and disengages the hydraulics when the dump body is in a fully upright position, for safer service.

Conveniently located remote jumper post

Jumper posts are easily accessible from ground level should a booster pack need to be hooked up to a dead battery.

Streamlined mirror-bow design

New mirror-bow design won't obstruct visibility. Or impede access to the engine bay, enabling easier service.

Lighting the way

To ease entry and exit, stairway lights can be turned on by pushing a button from ground level. Push the button again to turn off the lights, or they will turn off automatically after a predetermined length of time. And unlike many competitor trucks, stairs are evenly spaced, reducing the risk of stumbling and falling.

Match slope to correct gear

Inclinometer shows the slope of the truck on the monitor, so the incline can be properly matched to the gear listed on the conveniently located chart.

Fatigue-beating features

Creature comforts include keyless start, low-effort push-button controls, air-suspension heated high-back seat, tilt/telescoping steering wheel, and optional premium radio with Bluetooth®, auxiliary input, and Satellite Radio™ capability.

High worklights increase visibility

Front and rear worklights help extend the workday when necessary. Optional LED lights are mounted high to expand illumination.

KEEP MATERIALS AND PROFITS FLOWING

WON'T GET STUCK IN THE MUCK.

Delivering impressive power and torque for exceptional power-to-weight ratios and fast cycles, E-Series ADTs haul more for less cost per ton. And they keep materials moving through steep slopes, deep ruts, and slippery muck.

HIGH SPEEDS IN BOTH DIRECTIONS

MATCH YOUR ADT TO YOUR FLEET

	370E ADT	410E ADT	460E ADT
	# OF LOADING PASSES TO FILL ADT TO CAPACITY		
470G LC EXCAVATOR	7	7–8	8
670G LC EXCAVATOR	4–5	5	6
870G LC EXCAVATOR	4	4–5	5
844K-II LOADER	4–5	5	5–6

All capacities stated are with optional tailgate and standard bucket.

Wide-profile-tire option

Among the many tire options, a wide-profile design provides superior flotation in soft ground conditions.

No more weight calibrations in the field

Optional onboard weighing system has been factory calibrated to two-percent accuracy when payload exceeds 50 percent. The system displays the payload on the monitor during loading, while transmitting real-time load and tonnage data via JDLink™, so you can monitor productivity from virtually anywhere.

Steady on slopes

When the operator's foot comes off both the accelerator and the brake, the system uses the transmission retarder to maintain travel speed automatically — reducing service-brake wear and operator fatigue.

Smooth, optimized shifting

Purpose-built transmission provides eight forward and four reverse gears to speed cycles and expand the working range across all jobsite conditions.

Engage auto-diff lock on-the-fly

Traction-boosting auto-diff lock engages and disengages as necessary, simplifying operation. Or it can be engaged on-the-fly while slipping.

Smooth, stable ride

Exclusive adaptive-suspension system adjusts to the jobsite, smoothing out the ride and helping keep the cab more stable. Unlike the expensive options available on other trucks, ours is standard equipment.

EASY MAINTENANCE

GROUND-LEVEL SERVICE KEEPS BOOTS ON THE GROUND.

Simple, safe ground-level access

All daily checks and periodic service are done from ground level, including refilling both fuel and diesel exhaust fluid (DEF). Fluid-sample ports, jump-start terminals, and electrical disconnect switch are also front and center.

Consistent stopping power and maximum brake life

Designed specifically for the E-Series, inboard wet-disc brakes run cool, clean, and unexposed. Combined with the strongest transmission retarder in the industry, they help ensure consistent stops and maximum brake life.

Easy lube

Greaseless pins and bushings are used throughout except in the articulation joint and oscillation area. By customer request, those items employ lube banks that bring difficult-to-reach zerks within easy access. And a convenient lube and maintenance chart helps ensure that nothing gets overlooked.

Easy-to-service DPF

Ash-service intervals for the diesel particulate filter (DPF) are condition based, meaning the machine will notify the operator before service is required. Typically, ash service is not necessary until the first engine overhaul. Machine application, regular maintenance practices, and type of lubricating oil impact ash-service intervals.

Keep downtime down with

ULTIMATE UPTIME

Ultimate Uptime, featuring John Deere WorkSight™, is a customizable support solution available exclusively from your Deere dealer. This flexible offering maximizes equipment availability with standard John Deere WorkSight capabilities that can help prevent future downtime and speed repairs when needed. In addition to the base John Deere WorkSight features, our dealers work with you to build an uptime package that meets the specific needs of your machine, fleet, project, and business, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time guarantees, and more.

Get valuable insight with

JOHN DEERE WORKSIGHT

John Deere WorkSight is an exclusive suite of telematic solutions that increases uptime while lowering operating costs. At its heart, JDLink™ Ultimate machine monitoring provides real-time data and health prognostics to suggest maintenance solutions that decrease costly downtime. Remote diagnostics enable your dealer to read codes, record performance data, and even update software without a trip to the jobsite.

Tire-pressure/temperature-monitoring system

Integrated tire-pressure/temperature-monitoring system comes standard to help maximize tire life and fuel efficiency. If pressure drops by 10 percent, a passive alarm appears on the monitor. Further decreases or overheating result in an audible warning, and an email alert is sent to you via JDLink.

Reliable articulation/oscillation joint

Long-term durability demands big-time strength in the critical articulation/oscillation joint. Widely spaced over-sized pins and roller bearings, stay-tight oscillation bearing, and the largest throat/tube diameter on any ADT all shout best-in-class.

Fast periodic maintenance

Available quick-service fluid-evacuation points, standard easy-access vertical filters, environmental drains, and common oils help speed periodic maintenance and increase uptime.

Color-coded service points

Service points and sample ports are color-coded to help speed preventive maintenance and troubleshooting. Additional diagnostics including temperatures and pressures are accessible through the monitor.

Swing-out fans and coolers

Hinged swing-out fans and coolers open wide to reveal the cooler cores, making cleanout quick and easy.

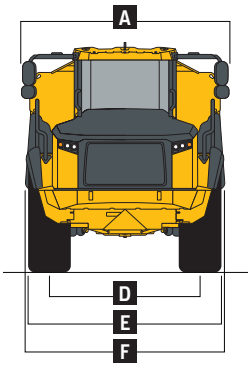
370E SPECIFICATIONS

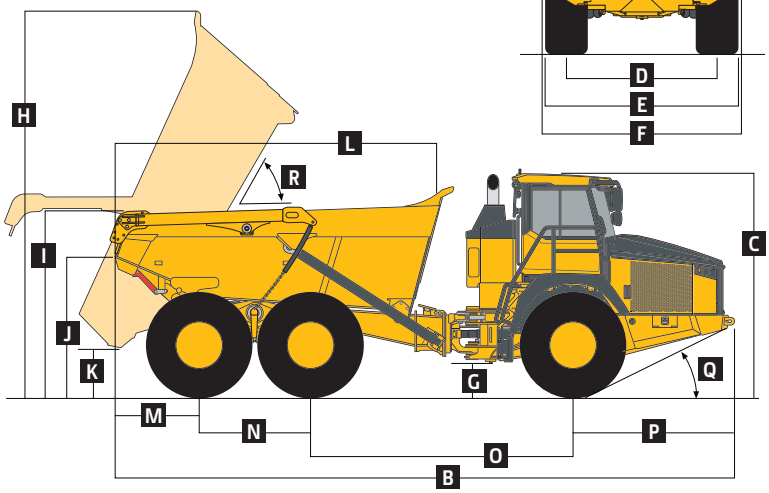
Engine	**370E**	
Manufacturer and Model	John Deere PowerTech™ 6135	
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	
Configuration	Inline 6 with variable-geometry turbocharger (VGT) and exhaust gas recirculation (EGR)	
Valves per Cylinder	4	
Displacement	13.5 L (823.8 cu. in.)	
Net Peak Power (ISO 9249)	315 kW (422 hp) at 1,900 rpm	
Net Peak Torque (ISO 9249)	2100 Nm (1,549 lb.-ft.)	
Aspiration	Twin turbocharged and charge air cooled	
Fuel System	Electronic unit injection, with 10- and 4-micron filtration and water separator	
Cold-Start Aid	Optional ether start, block heater, and diesel-fired coolant heater	
Cooling		
Engine Cooling	Liquid-cooled radiators, 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 differential	
Manufacturer and Model	ZF ErgoPower™ L II 8EP370	
Retarder	Integral, gear dependent, hydrodynamic, oil-to-air cooled, variable, fully automatic	
Differential	Torque-proportioning, planetary-type, Inter-axle Differential Lock (IDL) with PowerShift™ lockup clutch	
Output Torque Split	32% front / 68% rear	
Shift Controls	Fully automatic, electronically modulated PowerShift, load-speed adaptive with 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	5 km/h (3.1 mph)	5 km/h (3.1 mph)
Gear 2	7 km/h (4.4 mph)	8 km/h (5.0 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	46 km/h (28.6 mph)	—
Gear 8	53 km/h (32.9 mph)	—
Axles		
Manufacturer and Model	John Deere 1500-Series Hauler Axles	
Differential	Helical transfer gears, spiral bevel, hydraulically actuated PowerShift Cross-axle Differential Lock (CDL)	
Final Drive	Extreme-duty outboard-mounted planetary; cooled and filtered oil	
Brake System		
Service	Dual-circuit, hydraulically actuated, wet multi-disc, force cooled, inboard mounted	
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	Axial-piston pump; closed-center, variable-displacement, load-sensing system	
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	13 sec.	
Electrical		
Voltage	24 volt	
Number of Batteries	2 x 12 volt	
Battery Capacity	950-CCA batteries (2) standard / 1,400-CCA batteries (2) optional	
Alternator	28 volt / 100 amp	
Steering System		
Type	2 hydrostatically actuated, double-acting hydraulic cylinders; ground-driven secondary steering pump	
Angle	45 deg. side to side	
Lock-to-Lock Turns	4.2	
Secondary Steering Pump	Ground-driven gear pump with hydraulic unloader valve	
Suspension		
Front	Semi-independent leading A-frame geometry with transverse link for lateral restraint and self-leveling oil-filled struts with 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		
Struck	16.3 m^3 (21.3 cu. yd.)	
Heaped at 2:1 ISO 6483 Ratio	20.5 m^3 (26.8 cu. yd.)	
With Optional Tailgate	21.4 m^3 (28.0 cu. yd.)	
Maximum Dump Angle	70 deg.	
Heater	Body ducted for exhaust heating	

370E

SPECIFICATIONS

Tires/Wheels	370E		
Type and Size	26.5R25 radial earthmovers standard / 29.5R25 and 875/65R29 optional		
Serviceability			
Ground-Level Service			
Fluids and Filters	Ground-level checks of engine, transmission, and hydraulic oil levels; ground-level fuel and diesel exhaust fluid (DEF) refill; ground-level replacement of engine, transmission, and fuel filters		
Coolers	Swing-out coolers for easy cleaning standard; reversing fans optional		
Fluid Sampling	Fluid-sampling ports standard; quick-service ports optional		
Refill Capacities			
Fuel Tank	609 L (160.9 gal.)		
Diesel Exhaust Fluid (DEF) Tank	48 L (12.7 gal.)		
Engine Oil with Filter	43 L (11.4 gal.)		
Engine Coolant	90 L (23.8 gal.)		
Transmission Fluid	60 L (15.9 gal.)		
Hydraulic Reservoir	176 L (46.5 gal.)		
Axle Fluid with Filter			
Front	62 L (16.4 gal.)		
Mid	62 L (16.4 gal.)		
Rear	68 L (18.0 gal.)		
Operating Weights			
With Standard Equipment	*Empty*	*Loaded*	
Front	16 630 kg (36,663 lb.)	20 787 kg (45,827 lb.)	
Middle	7152 kg (15,767 lb.)	21 888 kg (48,255 lb.)	
Rear	7000 kg (15,432 lb.)	21 736 kg (47,920 lb.)	
Total	30 782 kg (67,863 lb.)	64 411 kg (142,002 lb.)	
Rated Payload	33 629 kg (74,139 lb.)		
Optional Components			
Dump-Body Liner (steel)	1256 kg (2,769 lb.)		
Tailgate	840 kg (1,852 lb.)		
Tires			
29.5R25	1032 kg (2275 lb.)		
875/65R29	1964 kg (4,330 lb.)		
Operating Dimensions			
Turning Circle Radius			
Inside	4.63 m (15 ft. 2 in.)		
Outside	8.90 m (29 ft. 2 in.)		
Machine Dimensions			
A Width with Mirrors in Operating Position	3.80 m (12 ft. 5 in.)		
B Length	10.81 m (35 ft. 6 in.)		
C Height	3.81 m (12 ft. 6 in.)		
Tires	*26.5R25*	*29.5R25*	*875/65R29*
Wheel	25x22.00/3.0 – 3-piece	25x25.00/3.5 – 5-piece	29x27.00/3.5 – 5-piece
D Tread Width	2.77 m (9 ft. 1 in.)	2.66 m (8 ft. 9 in.)	2.70 m (8 ft. 10 in.)
E Width Over Tires	3.44 m (11 ft. 3 in.)	3.41 m (11 ft. 2 in.)	3.58 m (11 ft. 9 in.)
F Width Over Fenders	3.44 m (11 ft. 3 in.)	3.44 m (11 ft. 3 in.)	3.65 m (12 ft. 0 in.)
G Ground Clearance	0.49 m (19.3 in.)	0.54 m (21.3 in.)	0.54 m (21.3 in.)
H Dump Body Height, Dump Position	6.88 m (22 ft. 7 in.)		
I Dump Body Side Rail Height	3.26 m (10 ft. 8 in.)		
J Dump Body Dump Lip Height, Transport Position	2.36 m (7 ft. 9 in.)		
K Dump Body Ground Clearance, Dump Position	0.79 m (31.1 in.)		
L Dump Body Length	5.97 m (19 ft. 7 in.)		
M Rear Axle Centerline to Rear of Dump Body	1.48 m (4 ft. 10 in.)		
N Mid Axle to Rear Axle Centerline	1.96 m (6 ft. 5 in.)		
O Front Axle to Mid Axle Centerline	4.63 m (15 ft. 2 in.)		
P Front Axle Centerline to Front of Machine	2.74 m (9 ft. 0 in.)		
Q Approach Angle	24 deg.		
R Maximum Dump Angle	70 deg.		
Shipping Dimensions			
Overall Height (suspension lowered 75 mm [3 in.])	3.73 m (12 ft. 3 in.)		
Overall Width			
Dump Body	3.13 m (10 ft. 3 in.)		
Tailgate Installed	3.44 m (11 ft. 3 in.)		





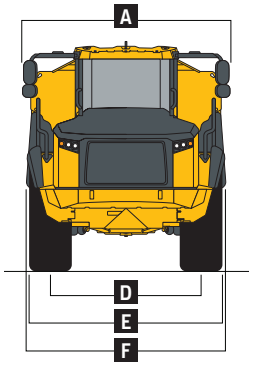
410E SPECIFICATIONS

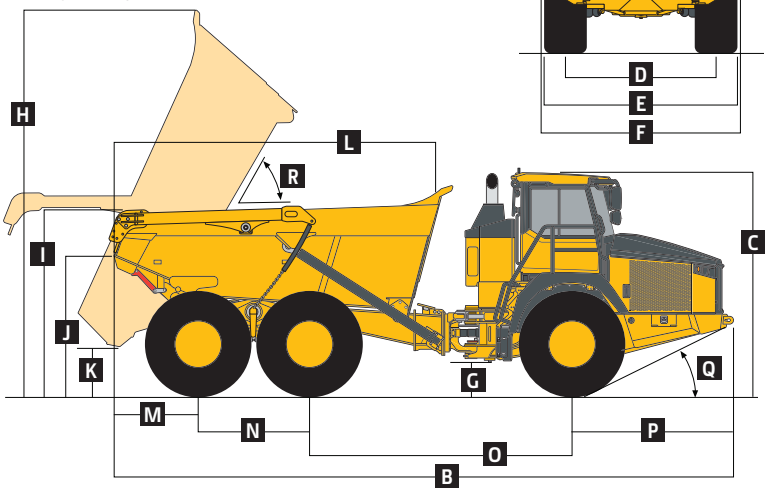
Engine	**410E**	
Manufacturer and Model	John Deere PowerTech™ 6135	
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	
Configuration	Inline 6 with variable-geometry turbocharger (VGT) and exhaust gas recirculation (EGR)	
Valves per Cylinder	4	
Displacement	13.5 L (823.8 cu. in.)	
Net Peak Power (ISO 9249)	330 kW (443 hp) at 1,900 rpm	
Net Peak Torque (ISO 9249)	2284 Nm (1,685 lb.-ft.)	
Aspiration	Twin turbocharged and charge air cooled	
Fuel System	Electronic unit injection, with 10- and 4-micron filtration and water separator	
Cold-Start Aid	Optional ether start, block heater, and diesel-fired coolant heater	
Cooling		
Engine Cooling	Liquid-cooled radiators, 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 differential	
Manufacturer and Model	ZF ErgoPower™ L II 8EP420	
Retarder	Integral, gear dependent, hydrodynamic, oil-to-air cooled, variable, fully automatic	
Differential	Torque-proportioning, planetary-type, Inter-axle Differential Lock (IDL) with PowerShift™ lockup clutch	
Output Torque Split	32% front / 68% rear	
Shift Controls	Fully automatic, electronically modulated PowerShift, load-speed adaptive with 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	5 km/h (3.1 mph)	6 km/h (3.7 mph)
Gear 2	8 km/h (5.0 mph)	8 km/h (5.0 mph)
Gear 3	12 km/h (7.5 mph)	12 km/h (7.5 mph)
Gear 4	17 km/h (10.6 mph)	17 km/h (10.6 mph)
Gear 5	24 km/h (14.9 mph)	—
Gear 6	34 km/h (21.1 mph)	—
Gear 7	48 km/h (29.8 mph)	—
Gear 8	55 km/h (34.2 mph)	—
Axles		
Manufacturer and Model	John Deere 1500-Series Hauler Axles	
Differential	Helical transfer gears, spiral bevel, hydraulically actuated PowerShift Cross-axle Differential Lock (CDL)	
Final Drive	Extreme-duty outboard-mounted planetary; cooled and filtered oil	
Brake System		
Service	Dual-circuit, hydraulically actuated, wet multi-disc, force cooled, inboard mounted	
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	Axial-piston pump; closed-center, variable-displacement, load-sensing system	
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	13 sec.	
Electrical		
Voltage	24 volt	
Number of Batteries	2 x 12 volt	
Battery Capacity	950-CCA batteries (2) standard / 1,400-CCA batteries (2) optional	
Alternator	28 volt / 100 amp	
Steering System		
Type	2 hydrostatically actuated, double-acting hydraulic cylinders; ground-driven secondary steering pump	
Angle	45 deg. side to side	
Lock-to-Lock Turns	4.2	
Secondary Steering Pump	Ground-driven gear pump with hydraulic unloader valve	
Suspension		
Front	Semi-independent leading A-frame geometry with transverse link for lateral restraint and self-leveling oil-filled struts with 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		
Struck	17.8 m^3 (23.3 cu. yd.)	
Heaped at 2:1 ISO 6483 Ratio	22.7 m^3 (29.7 cu. yd.)	
With Optional Tailgate	23.7 m^3 (30.9 cu. yd.)	
Maximum Dump Angle	70 deg.	
Heater	Body ducted for exhaust heating	

410E

SPECIFICATIONS

Tires/Wheels	410E	
Type and Size	29.5R25 radial earthmovers standard / 875/65R29 optional	
Serviceability		
Ground-Level Service		
Fluids and Filters	Ground-level checks of engine, transmission, and hydraulic oil levels; ground-level fuel and diesel exhaust fluid (DEF) refill; ground-level replacement of engine, transmission, and fuel filters	
Coolers	Swing-out coolers for easy cleaning standard; reversing fans optional	
Fluid Sampling	Fluid-sampling ports standard; quick-service ports optional	
Refill Capacities		
Fuel Tank	609 L (160.9 gal.)	
Diesel Exhaust Fluid (DEF) Tank	48 L (12.7 gal.)	
Engine Oil with Filter	42 L (11.1 gal.)	
Engine Coolant	90 L (23.8 gal.)	
Transmission Fluid	60 L (15.9 gal.)	
Hydraulic Reservoir	176 L (46.5 gal.)	
Axle Fluid with Filter		
Front	62 L (16.4 gal.)	
Min	62 L (16.4 gal.)	
Rear	68 L (18.0 gal.)	
Operating Weights		
With Standard Equipment	*Empty*	*Loaded*
Front	16 747 kg (36,921 lb.)	21 487 kg (47,371 lb.)
Middle	7629 kg (16,819 lb.)	23 892 kg (52,673 lb.)
Rear	7477 kg (16,484 lb.)	23 740 kg (52,338 lb.)
Total	31 853 kg (70,224 lb.)	69,119 kg (152,381 lb.)
Rated Payload	37 266 kg (82,157 lb.)	
Optional Components		
Dump-Body Liner (steel)	1348 kg (2,972 lb.)	
Tailgate	847 kg (1,867 lb.)	
875/65R29 Tires	933 kg (2,057 lb.)	
Operating Dimensions		
Turning Circle Radius		
Inside	4.63 m (15 ft. 2 in.)	
Outside	8.90 m (29 ft. 2 in.)	
Machine Dimensions		
A Width with Mirrors in Operating Position	3.80 m (12 ft. 5 in.)	
B Length	10.81 m (35 ft. 6 in.)	
C Height	3.86 m (12 ft. 8 in.)	
Tires	*29.5R25*	*875/65R29*
Wheel	25x25.00/3.5 – 5-piece	29x27.00/3.5 – 5-piece
D Tread Width	2.66 m (8 ft. 9 in.)	2.70 m (8 ft. 10 in.)
E Width Over Tires	3.41 m (11 ft. 2 in.)	3.58 m (11 ft. 9 in.)
F Width Over Fenders	3.44 m (11 ft. 3 in.)	3.65 m (12 ft. 0 in.)
G Ground Clearance	0.54 m (21.3 in.)	0.54 m (21.3 in.)
H Dump Body Height, Dump Position	6.92 m (22 ft. 8 in.)	
I Dump Body Side Rail Height	3.30 m (10 ft. 10 in.)	
J Dump Body Dump Lip Height, Transport Position	2.41 m (7 ft. 11 in.)	
K Dump Body Ground Clearance, Dump Position	0.84 m (33.2 in.)	
L Dump Body Length	5.97 m (19 ft. 7 in.)	
M Rear Axle Centerline to Rear of Dump Body	1.48 m (4 ft. 10 in.)	
N Mid Axle to Rear Axle Centerline	1.96 m (6 ft. 5 in.)	
O Front Axle to Mid Axle Centerline	4.63 m (15 ft. 2 in.)	
P Front Axle Centerline to Front of Machine	2.74 m (9 ft. 0 in.)	
Q Approach Angle	26 deg.	
R Maximum Dump Angle	70 deg.	
Shipping Dimensions		
Overall Height (suspension lowered 75 mm [3 in.])	3.78 m (12 ft. 5 in.)	
Overall Width		
Dump Body	3.33 m (10 ft. 11 in.)	
Tailgate Installed	3.62 m (11 ft. 11 in.)	



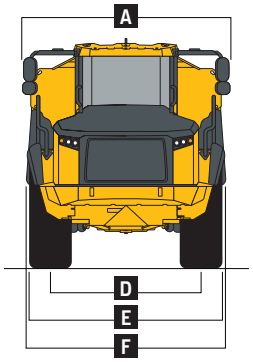


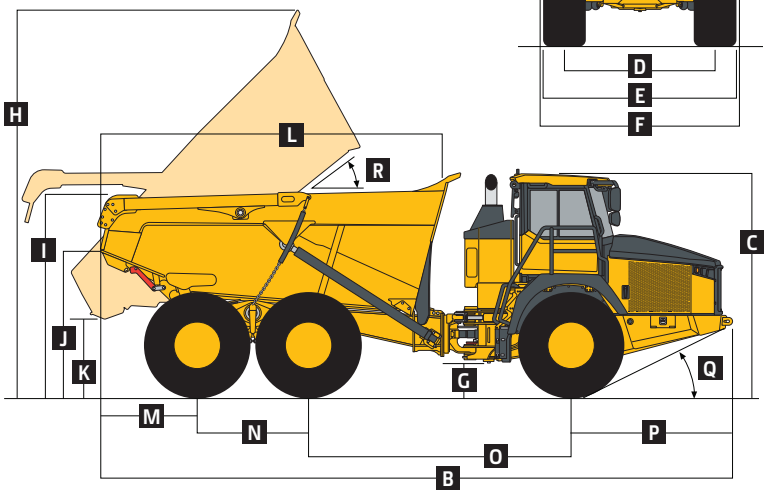
460E SPECIFICATIONS

Engine	**460E**	
Manufacturer and Model	John Deere PowerTech™ 6135	
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	
Configuration	Inline 6 with variable-geometry turbocharger (VGT) and exhaust gas recirculation (EGR)	
Valves per Cylinder	4	
Displacement	13.5 L (823.8 cu. in.)	
Net Peak Power (ISO 9249)	359 kW (481 hp) at 1,900 rpm	
Net Peak Torque (ISO 9249)	2401 Nm (1,771 lb.-ft.)	
Aspiration	Twin turbocharged and charge air cooled	
Fuel System	Electronic unit injection, with 10- and 4-micron filtration and water separator	
Cold-Start Aid	Optional ether start, block heater, and diesel-fired coolant heater	
Cooling		
Engine Cooling	Liquid-cooled radiators, 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 differential	
Manufacturer and Model	ZF ErgoPower™ L II 8EP470	
Retarder	Integral, gear dependent, hydrodynamic, oil-to-air cooled, variable, fully automatic	
Differential	Torque-proportioning, planetary-type, Inter-axle Differential Lock (IDL) with PowerShift™ lockup clutch	
Output Torque Split	32% front / 68% rear	
Shift Controls	Fully automatic, electronically modulated PowerShift, load-speed adaptive with 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	5 km/h (3.1 mph)	6 km/h (3.7 mph)
Gear 2	8 km/h (5.0 mph)	8 km/h (5.0 mph)
Gear 3	12 km/h (7.5 mph)	12 km/h (7.5 mph)
Gear 4	17 km/h (10.6 mph)	17 km/h (10.6 mph)
Gear 5	24 km/h (14.9 mph)	—
Gear 6	34 km/h (21.1 mph)	—
Gear 7	48 km/h (29.8 mph)	—
Gear 8	55 km/h (34.2 mph)	—
Axles		
Manufacturer and Model	John Deere 1500-Series Hauler Axles	
Differential	Helical transfer gears, spiral bevel, hydraulically actuated PowerShift Cross-axle Differential Lock (CDL)	
Final Drive	Extreme-duty outboard-mounted planetary; cooled and filtered oil	
Brake System		
Service	Dual-circuit, hydraulically actuated, wet multi-disc, force cooled, inboard mounted	
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	Axial-piston pump; closed-center, variable-displacement, load-sensing system	
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	13 sec.	
Electrical		
Voltage	24 volt	
Number of Batteries	2 x 12 volt	
Battery Capacity	950-CCA batteries (2) standard / 1,400-CCA batteries (2) optional	
Alternator	28 volt / 100 amp	
Steering System		
Type	2 hydrostatically actuated, double-acting hydraulic cylinders; ground-driven secondary steering pump	
Angle	45 deg. side to side	
Lock-to-Lock Turns	4.2	
Secondary Steering Pump	Ground-driven gear pump with hydraulic unloader valve	
Suspension		
Front	Semi-independent leading A-frame geometry with transverse link for lateral restraint and self-leveling oil-filled struts with 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		
Struck	20.6 m^3 (26.9 cu. yd.)	
Heaped at 2:1 ISO 6483 Ratio	25.5 m^3 (33.4 cu. yd.)	
With Optional Tailgate	26.9 m^3 (35.1 cu. yd.)	
Maximum Dump Angle	70 deg.	
Heater	Body ducted to accept optional exhaust heating	

460E SPECIFICATIONS

Tires/Wheels	460E	
Type and Size	29.5R25 radial earthmovers standard / 875/65R29 optional	
Serviceability		
Ground-Level Service		
Fluids and Filters	Ground-level checks of engine, transmission, and hydraulic oil levels; ground-level fuel and diesel exhaust fluid (DEF) refill; ground-level replacement of engine, transmission, and fuel filters	
Coolers	Swing-out coolers for easy cleaning standard; reversing fans optional	
Fluid Sampling	Fluid-sampling ports standard; quick-service ports optional	
Refill Capacities		
Fuel Tank	609 L (160.9 gal.)	
Diesel Exhaust Fluid (DEF) Tank	48 L (12.7 gal.)	
Engine Oil with Filter	43 L (11.4 gal.)	
Engine Coolant	90 L (23.8 gal.)	
Transmission Fluid	60 L (15.9 gal.)	
Hydraulic Reservoir	176 L (46.5 gal.)	
Axle Fluid with Filter		
Front	62 L (16.4 gal.)	
Mid	62 L (16.4 gal.)	
Rear	68 L (18.0 gal.)	
Operating Weights		
With Standard Equipment	*Empty*	*Loaded*
Front	16 976 kg (37,426 lb.)	22 517 kg (49,641 lb.)
Middle	7697 kg (16,969 lb.)	25 836 kg (56,959 lb.)
Rear	7545 kg (16,634 lb.)	25 684 kg (56,623 lb.)
Total	32 218 kg (71,028 lb.)	74 037 kg (163,223 lb.)
Rated Payload	41 819 kg (92,195 lb.)	
Optional Components		
Dump-Body Liner (steel)	1365 kg (3,009 lb.)	
Tailgate	919 kg (2,026 lb.)	
875/65R29 Tires	933 kg (2,057 lb.)	
Operating Dimensions		
Turning Circle Radius		
Inside	4.63 m (15 ft. 2 in.)	
Outside	8.90 m (29 ft. 2 in.)	
Machine Dimensions		
A Width with Mirrors in Operating Position	3.80 m (12 ft. 5 in.)	
B Length	10.81 m (35 ft. 6 in.)	
C Height	3.86 m (12 ft. 8 in.)	
Tires	*29.5R25*	*875/65R29*
Wheel	25x25.00/3.5 – 5-piece	29x27.00/3.5 – 5-piece
D Tread Width	2.66 m (8 ft. 9 in.)	2.70 m (8 ft. 10 in.)
E Width Over Tires	3.41 m (11 ft. 2 in.)	3.58 m (11 ft. 9 in.)
F Width Over Fenders	3.44 m (11 ft. 3 in.)	3.65 m (12 ft. 0 in.)
G Ground Clearance	0.54 m (21.3 in.)	0.54 m (21.3 in.)
H Dump Body Height, Dump Position	7.00 m (22 ft. 11 in.)	
I Dump Body Side Rail Height	3.47 m (11 ft. 5 in.)	
J Dump Body Dump Lip Height, Transport Position	2.41 m (7 ft. 11 in.)	
K Dump Body Ground Clearance, Dump Position	0.84 m (33.2 in.)	
L Dump Body Length	6.01 m (19 ft. 8 in.)	
M Rear Axle Centerline to Rear of Dump Body	1.48 m (4 ft. 10 in.)	
N Mid Axle to Rear Axle Centerline	1.96 m (6 ft. 5 in.)	
O Front Axle to Mid Axle Centerline	4.63 m (15 ft. 2 in.)	
P Front Axle Centerline to Front of Machine	2.74 m (9 ft. 0 in.)	
Q Approach Angle	26 deg.	
R Maximum Dump Angle	70 deg.	
Shipping Dimensions		
Overall Height (suspension lowered 75 mm [3 in.])	3.78 m (12 ft. 5 in.)	
Overall Width		
Dump Body	3.36 m (11 ft. 0 in.)	
Tailgate Installed	3.64 m (11 ft. 11 in.)	





Additional equipment

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

370E	410E	460E	Engine
●	●	●	Meets EPA Final Tier 4/EU Stage IV emissions
●	●	●	John Deere PowerTech™ 6135 — 13.5L (824 cu. in.) inline 6
●	●	●	Wet-sleeve cylinder liners
●	●	●	Variable-geometry turbocharger (VGT)
●	●	●	External cooled exhaust gas recirculation (EGR)
●	●	●	Dual-element air cleaner
●	●	●	Precleaner
●	●	●	Fuel/water separator
●	●	●	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 radiators (2), charge-air cooler, front and mid-axle coolers, transmission cooler, hydraulic cooler, air-conditioner condenser, and fuel cooler
●	●	●	Integral engine oil cooler
●	●	●	Remote pressurized coolant reservoir
●	●	●	John Deere Cool-Gard™ II long-life engine coolant
▲	▲	▲	Reversing fans

370E	410E	460E	Powertrain
●	●	●	Transmission diagnostic ports
●	●	●	Transmission oil-temperature self-protection
●	●	●	Remote-mounted spin-on transmission oil filters
●	●	●	Remote-mounted replaceable-element axle-oil filters
●	●	●	Axle-oil temperature and lube-pressure sensing
●	●	●	Automatic engaging retarder with selectable aggressiveness
			Electrical System
●	●	●	24-volt system voltage
●	●	●	100-amp alternator
●	●	●	Solid-state electrical distribution system
●	●	●	Battery disconnect
●	●	●	Batteries, 2 x 950 CCA
▲	▲	▲	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- **or** 25-amp converter
			Hydraulic System
●	●	●	Closed-center, load-sensing system
●	●	●	Axial-piston, variable-displacement main pump
●	●	●	Single-stage, dual-acting, dump-body tip cylinders
●	●	●	Electrohydraulic dump-body control
			Steering System
●	●	●	Ground-driven secondary steering pump

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO 9249. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ISO standards. Except where otherwise noted, these specifications are based on units with standard equipment, ROPS cabs, full fuel tanks, and 79-kg (175 lb.) operators; a 370E unit with 26.5R25 radial earthmover tires; and 410E and 460E units with 29.5R25 radial earthmover tires. Capacity and loaded weights are based on 1,640-kg/m^3 (2,759 lb./cu. yd.) material.

Additional equipment *(continued)*

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

370E	410E	460E	Operator Station
●	●	●	ROPS/FOPS certification
●	●	●	Keyless start
●	●	●	Tilt cab
●	●	●	Programmable dump-body control settings
●	●	●	Air conditioner
●	●	●	Heater
●	●	●	AM/FM radio/CD player
●	●	●	Rear window guard
●	●	●	Wiper/washer with intermittent control
●	●	●	Tilt and telescoping steering wheel
●	●	●	Fully adjustable, air-suspension, heated, high-back cloth and leather seat
▲	▲	▲	Air-suspension, low-back, cloth seat
●	●	●	76-mm (3 in.) retractable operator seat belt
●	●	●	Foldaway trainer seat with retractable seat belt
●	●	●	12-volt power outlet
●	●	●	Cup holder
●	●	●	Reverse camera
▲	▲	▲	Ashtray and 12-volt cigarette lighter
▲	▲	▲	Electric adjustable and heated mirrors
●	●	●	Deluxe monitor: Speedometer / Fuel gauge / Transmission oil temperature gauge / Engine coolant temperature gauge / Gear indicator / Tachometer / Battery voltage / Hour meter / Odometer / Fuel consumption / Trip counter / Trip timer / Trip distance / Metric/Imperial units / Service codes/diagnostics / LED indicator lights and audible alarm / Programmable dump-body rollover protection / Onboard weighing display / Multi-language capability / Tire-pressure-monitoring system warning

370E	410E	460E	Operator Station *(continued)*
●	●	●	Backlit sealed-switch module functions: Keyless start/stop / F-N-R / Hazard light button / Park brake / Descent control / Gear-lock button / Gear up/down button / Inter-axle Differential Lock (IDL) / Retarder adjustment / Automatic dump-body control settings
●	●	●	Dump-body lever control
			Dump Body
●	●	●	Dump-body safety lock bar
▲	▲	▲	Dump-body liner (steel)
▲	▲	▲	Tailgate
▲	▲	▲	Dump-body heater
▲	▲	▲	Less dump body and cylinders
			Other
●			26.5R25 radial earthmovers
▲	●	●	29.5R25 radial earthmovers
▲	▲	▲	875/65R29 radial earthmovers
●	●	●	Remote grease banks
▲	▲	▲	Quick-service bank
●	●	●	Articulation lock
▲	▲	▲	Onboard weighing system with external load lights
●	●	●	Tire-pressure-monitoring system with temperature compensation
●	●	●	Fire extinguisher
●	●	●	JDLink™ Ultimate wireless communication system with 5-year subscription (available in specific countries; see your dealer for details)
▲	▲	▲	JDLink Ultimate dual-mode cellular/satellite wireless communication system with 3-year subscription (available in specific countries; see your dealer for details)

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