



	450DT	500DT	550DT
ENGINE			
Engine type	Cummins QSX15	Cummins QSX15	Cummins QSX15
Aspiration	Turbocharged & air-to-air aftercooled	Turbocharged & air-to-air aftercooled	Turbocharged & air-to-air aftercooled
Displacement	15-liter	15-liter	15-liter
Rated power (SAE J1995)	336 kW (450 hp)	373 kW (500 hp)	410 kW (550 hp)
Power bulge	11% @ 1800 RPM	10% @ 1800 RPM	7% @ 1800 RPM
Max. Power (SAE J1995)	373 kW (500 hp)	410 kW (550 hp)	366 kW (591 hp)
Torque rise	51% @ 1400 RPM	48% @ 1400 RPM	49% @ 1400 RPM
Peak torque	2305 N•m (1700 lb-ft)	2508 N•m (1850 lb-ft)	2779 N•m (2050 lb-ft)
FUEL SYSTEM			
Capacity	1800 L (475 U.S. gal)	1800 L (475 U.S. gal)	1800 L (475 U.S. gal)
Filter	Engine mounted w/water separator	Engine mounted w/water separator	Engine mounted w/water separator
TRANSMISSION			
Powershift transmission	Caterpillar 16 x 4 - 35 km/hr (22 mph) road speed	Caterpillar 16 x 4 - 35 km/hr (22 mph) road speed	Caterpillar 16 x 4 - 35 km/hr (22 mph) road speed
AXLES			
Construction	Heavy-duty platesteel	Heavy-duty platesteel	Heavy-duty platesteel
Articulation angle	33°	33°	33°
Oscillation	12°	12°	12°
AXLES			
Versatile Outboard Planetary Axles	Heavy-duty	Heavy-duty	Heavy-duty
Differential Lock	Optional	Optional	Optional
Brakes	Dual dry caliper	Dual dry caliper	Dual dry caliper
Wheelbase	3900 mm (154")	3900 mm (154")	3900 mm (154")
HYDRAULICS			
Hydraulic type	Closed Center Load Sensing System	Closed Center Load Sensing System	Closed Center Load Sensing System
Standard flow @ rated engine speed	201 L/min (53 GPM)	201 L/min (53 GPM)	201 L/min (53 GPM)
High Flow hydraulic system @ rated engine speed	401 L/min (106 GPM)	401 L/min (106 GPM)	401 L/min (106 GPM)
Hydraulic remotes	4 standard, 6 optional	4 standard, 6 optional	4 standard, 6 optional
Maximum system pressure	200 bar (2900 PSI)	200 bar (2900 PSI)	200 bar (2900 PSI)
ELECTRICAL SYSTEM			
Alternator	12V - 200 amps	12V - 200 amps	12V - 200 amps
Batteries	3-12V, 950 CCA ea.	3-12V, 950 CCA ea.	3-12V, 950 CCA ea.
HID lighting / Power mirrors	Optional / Optional	Optional / Optional	Optional / Optional
DRAWBAR			
Vertical load rating	4,082 kg (9,000 lb)	4,082 kg (9,000 lb)	4,082 kg (9,000 lb)
Vertical load rating w/heavy-duty drawbar support	5,443 kg (12,000 lb)	5,443 kg (12,000 lb)	5,443 kg (12,000 lb)
Hitch pin diameter (w/auto drop)	51 mm (2")	51 mm (2")	51 mm (2")
3-point hitch	n/a	n/a	n/a
CAB			
Volume	4.97 cu. m (175.5 cu. ft.)	4.97 cu. m (175.5 cu. ft.)	4.97 cu. m (175.5 cu. ft.)
Glass	8 sq. m (85.9 sq. ft.)	8 sq. m (85.9 sq. ft.)	8 sq. m (85.9 sq. ft.)
WEIGHTS			
Base tractor weight*	26,694 kg (58,850 lb)	26,694 kg (58,850 lb)	26,694 kg (58,850 lb)
Maximum operating weight	27,805 kg (61,300 lb)	27,805 kg (61,300 lb)	27,805 kg (61,300 lb)

*A base tractor is considered to have a standard drawbar, no fuel, no operator, no special added equipment and no ballast.

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