

Model 520DT/570DT/610DT

	520DT	570DT	610DT
ENGINE			
Engine type	Cummins QSX15 T4F	Cummins QSX15 T4F	Cummins QSX15 T4F
Aspiration	Turbocharged & air-to-air aftercooled	Turbocharged & air-to-air aftercooled	Turbocharged & air-to-air aftercooled
Displacement	14.9-liter (909 cid)	14.9-liter (909 cid)	14.9-liter (909 cid)
Horsepower	520 hp (387 kW)	570 hp (425 kW)	605 hp (455 kW)
Power bulge	11% @ 1800 RPM	10% @ 1800 RPM	7% @ 1800 RPM
Peak horsepower	572 hp (427 kW)	626 hp (467 kW)	650 hp (485 kW)
Torque rise	51% @ 1400 RPM	48% @ 1400 RPM	49% @ 1400 RPM
Peak torque	1700 lb-ft (2305 N·m)	1850 lb-ft (2508 N·m)	2050 lb-ft (2779 N·m)
FUEL SYSTEM			
Capacity	449 U.S. gal (1700 L)	449 U.S. gal (1700 L)	449 U.S. gal (1700 L)
Filter	Engine mounted w/water separator	Engine mounted w/water separator	Engine mounted w/water separator
DEF Tank	91L (24 U.S. gal)	91L (24 U.S. gal)	91L (24 U.S. gal)
TRANSMISSION			
Powershift transmission	CAT 16 x 4 - 20.6 mph (33.9 km/hr) road speed	CAT 16 x 4 - 20.6 mph (33.9 km/hr) road speed	CAT 16 x 4 - 20.6 mph (33.9 km/hr) road speed
AXLES			
Articulation angle	33°	33°	33°
Oscillation	12°	12°	12°
Versatile Outboard Planetary Axles	Heavy-duty	Heavy-duty	Heavy-duty
Differential lock	Standard	Standard	Standard
Brakes	Dual Hydraulic Self-Adjusting Disc Brakes Front & Rear Axle	Dual Hydraulic Self-Adjusting Disc Brakes Front & Rear Axle	Dual Hydraulic Self-Adjusting Disc Brakes Front & Rear Axle
Wheelbase	154" (3900 mm)	154" (3900 mm)	154" (3900 mm)
HYDRAULICS			
Hydraulic type	Closed Center Load Sensing System	Closed Center Load Sensing System	Closed Center Load Sensing System
Standard flow	53 GPM (201 L/min)	53 GPM (201 L/min)	53 GPM (201 L/min)
Hi-Flow hydraulic system	106 GPM (401 L/min)	106 GPM (401 L/min)	106 GPM (401 L/min)
Hydraulic remotes	4 standard, 6 optional	4 standard, 6 optional	4 standard, 6 optional
Maximum system pressure	2900 PSI (197 bar)	2900 PSI (197 bar)	2900 PSI (197 bar)
ELECTRICAL SYSTEM			
Alternator	12V - 200 amps	12V - 200 amps	12V - 200 amps
Batteries	3-12V, 1000 CCA ea.	3-12V, 1000 CCA ea.	3-12V, 1000 CCA ea.
LED lighting / Power mirrors	Optional / Optional	Optional / Optional	Optional / Optional
Battery shut-off switch	Standard	Standard	Standard
DRAWBAR			
Vertical load rating	9,000 lb (4082 kg)	9,000 lb (4082 kg)	9,000 lb (4082 kg)
Vertical load rating w/heavy-duty drawbar support	12,000 lb (5443 kg)	12,000 lb (5443 kg)	12,000 lb (5443 kg)
CAT V drawbar rating (optional)	15,000 lb (6,804 kg) / 2.75" (70 mm) pin	15,000 lb (6,804 kg) / 2.75" (70 mm) pin	15,000 lb (6,804 kg) / 2.75" (70 mm) pin
Hitch pin diameter (w/auto drop)	2" (51 mm)	2" (51 mm)	2" (51 mm)
Quick hitch	Optional	Optional	Optional
3-point hitch	CAT IV	CAT IV	CAT IV
PTO	1000 rpm 1.75 shaft	1000 rpm 1.75 shaft	1000 rpm 1.75 shaft
CAB			
Volume	175.5 cu. ft. (4.97 cu. m)	175.5 cu. ft. (4.97 cu. m)	175.5 cu. ft. (4.97 cu. m)
Glass	85.9 sq. ft. (8 sq. m)	85.9 sq. ft. (8 sq. m)	85.9 sq. ft. (8 sq. m)
DIMENSIONS			
Max. Length	319.3 in (8123mm (W/3PTH)), 310.4 in (7884mm (L/3PTH))	319.3 in (8123mm (W/3PTH)), 310.4 in (7884mm (L/3PTH))	319.3 in (8123mm (W/3PTH)), 310.4 in (7884mm (L/3PTH))
Max. Width	137 in (3484 mm)	137 in (3484 mm)	137 in (3484 mm)
Max. Height	154 in (3915 mm)	154 in (3915 mm)	154 in (3915 mm)
WEIGHTS			
Base tractor weight*	58,850 lb (26,694 kg)	58,850 lb (26,694 kg)	58,850 lb (26,694 kg)
Recommended operating GVW	58,850 lb (26,694 kg)	58,850 lb (26,694 kg)	61,000 lb (27,669 kg)

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