

| | 520 | 570 | 610 |
|---|---|---|---|
| ENGINE | | | |
| Engine type | Cummins QSX15 T4F Stage IV | Cummins QSX15 T4F Stage IV | Cummins QSX15 T4F Stage IV |
| 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 | 15% @ 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) |
| PTO hp | 300 hp (224 kW) | 320 hp (239 kW) | 363 hp (271 kW) |
| FUEL SYSTEM | | | |
| Capacity | 343 U.S. gal (1298 L) | 343 U.S. gal (1298 L) | 343 U.S. gal (1298 L) |
| Filter | Engine mounted w/water separator | Engine mounted w/water separator | Engine mounted w/water separator |
| DEF Tank | 35 U.S. gal (132L) | 35 U.S. gal (132L) | 35 U.S. gal (132L) |
| TRANSMISSION | | | |
| Powershift transmission | 16 Forward, 4 Reverse | 16 Forward, 4 Reverse | 16 Forward, 4 Reverse |
| AXLES | | | |
| Construction | Heavy-duty platesteel | Heavy-duty platesteel | Heavy-duty platesteel |
| Articulation angle | 33° | 33° | 33° |
| Oscillation | 12° | 12° | 12° |
| Versatile Outboard Planetary Axles | Heavy-duty | Heavy-duty | Heavy-duty |
| Differential lock | Optional | Optional | Optional |
| 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 (5,443 kg) | 12,000 lb (5,443 kg) | 12,000 lb (5,443 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 | Category IV | Category IV | Category IV |
| PTO | 1000 RPM, 1-3/4 shaft | 1000 RPM, 1-3/4 shaft | 1000 RPM, 1-3/4 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) |
| WEIGHTS | | | |
| Base tractor weight* | 42,000 lb (19,051 kg) | 42,000 lb (19,051 kg) | 42,000 lb (19,051 kg) |
| Max. operating weight | 52,000 lb (23,587 kg) | 57,000 lb (25,855 kg) | 61,000 lb (27,669 kg) |