



FOUR-WHEEL DRIVE TRACTORS

» 435 to 535 hp



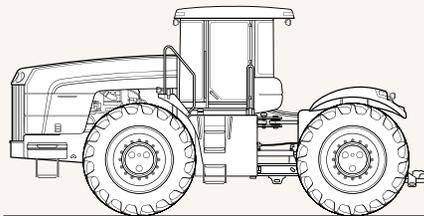
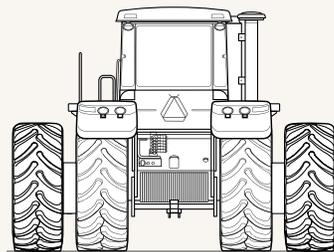
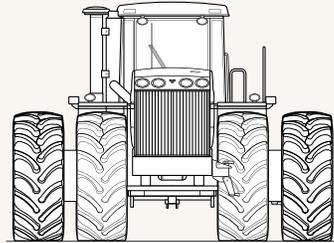
» 435 to 535 hp

FOUR-WHEEL DRIVE TRACTORS



SPECIFICATIONS » 435, 485, 535

SPECIFICATIONS	ALL MODELS
Engine	
Engine type	Cummins QSX15
Aspiration	Turbocharged & air-to-air aftercooled
Displacement	15-liter
Dimensions	
Wheelbase	154" (3930 mm)
Height to top of exhaust	155" (3940 mm)
Height to top of cab	11.9' (3450 mm)
Overall length, no ballast weights	299" (7630 mm)
Ground clearance, at drawbar	21.9" (556 mm)
Turning radius (with base tires)	191.5" (4860 mm)



MODEL	435	485	535
Engine performance			
Horsepower	435 hp (324 kw)	485 hp (362 kw)	535 hp (399 kw)
Power bulge	7% at 1800 RPM	7% at 1800 RPM	7% at 1800 RPM
Peak horsepower	465 hp (347 kw)	520 hp (389 kw)	570 hp (425 kw)
Torque rise	35% at 1400 RPM	35% at 1400 RPM	35% at 1400 RPM
Peak torque	1475 lb-ft	1650 lb-ft	1800 lb-ft
Fuel system			
Capacity	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)
Filter	Engine mounted with water separator	Engine mounted with water separator	Engine mounted with water separator
Filler neck	Rock screen	Rock screen	Rock screen
Transmission			
Quadshift transmission	Mechanical 12 x 4: 12 forward speeds, 4 reverse speeds, 4 synchronized gears in each of the 3 forward ranges		
Powershift transmission	Caterpillar Powershift 16 x 4: 16 forward speeds, 4 reverse speeds, electro-hydraulic, fully modulated, oil-cooled, multidisc		
Maximum speed	Quadshift: 22 mph (35 kph) / Powershift: 25 mph (40 kph)		
Axles			
Versatile Outboard Planetary Axles	Standard or heavy-duty	Heavy-duty	Heavy-duty
Differential Lock	Optional	N/A	N/A
Brakes	Dual dry caliper	Dual dry caliper	Dual dry caliper
Hydraulic Trailer Brakes	Optional	Optional	Optional
Hydraulics			
Hydraulic type	Closed Center Load Sensing System	Closed Center Load Sensing System	Closed Center Load Sensing System
Standard flow	55 GPM (208 L/min)	55 GPM (208 L/min)	55 GPM (208 L/min)
High flow hydraulic system	80 GPM (303 L/min)	80 GPM (303 L/min)	80 GPM (303 L/min)
Hydraulic remotes (mechanical)	4 standard, 6 optional	4 standard, 6 optional	4 standard, 6 optional
Hydraulic remotes (electro-hydraulic)	4 standard, 6 or 8 optional	4 standard, 6 or 8 optional	4 standard, 6 or 8 optional
Maximum system pressure	2900 PSI (197 bar)	2900 PSI (197 bar)	2900 PSI (197 bar)
Electrical System			
Alternator	12V - 160 amps	12V - 160 amps	12V - 160 amps
Batteries	3-12V low maintenance, 950 CCA ea.	3-12V low maintenance, 950 CCA ea.	3-12V low maintenance, 950 CCA ea.
Drawbar			
Vertical load rating	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)
- with heavy-duty drawbar support	12,000 lb (5,443 kg)	12,000 lb (5,443 kg)	12,000 lb (5,443 kg)
Hitch pin diameter (with auto drop)	2" (51 mm)	2" (51 mm)	2" (51 mm)
Weights			
Base tractor weight*	42,000 lb (19,050 kg)	42,000 lb (19,050 kg)	42,000 lb (19,050 kg)
Maximum operating weight	43,500 lb (19,731 kg)	48,500 lb (21,999 kg)	53,500 lb (24,267 kg)
Capacities			
Fuel tank	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)
Engine crankcase with filter	12.6 U.S. gal (47.8 L)	12.6 U.S. gal (47.8 L)	12.6 U.S. gal (47.8 L)
Cooling system	22 U.S. gal (83 L)	22 U.S. gal (83 L)	22 U.S. gal (83 L)
Hydraulic system	30 U.S. gal (113.6 L)	30 U.S. gal (113.6 L)	30 U.S. gal (113.6 L)
Planetary axle, each	15.1 U.S. gal (57 L)	15.1 U.S. gal (57 L)	15.1 U.S. gal (57 L)
Windshield washer reservoir	4 qt (3.8 L)	4 qt (3.8 L)	4 qt (3.8 L)

*A base tractor is considered to have a mechanical transmission, with 710/70R42 drum-style duals, a standard drawbar, no fuel, no operator, no special added equipment, and no ballast.