

9 - SPECIFICATIONS

Engine specifications

Diesel Engine

Tractor Model	Steiger and Rowtrac 370	Steiger and Rowtrac 420	Steiger, Rowtrac and Quadtrac 470	Steiger, Rowtrac, and Quadtrac 500	Steiger and Quadtrac 540	Steiger and Quadtrac 580	Steiger and Quadtrac 620
Engine Make/Model	Case IH Cursor						
Type	In-line, six cylinder, four stroke cycle						
Aspiration	Variable geometry turbo charged (VGT), air to air after cooled	Wastegate turbo charged, air to air after cooled			2 Stage turbo charged, air to water intercooled, air to water after cooled		
Emission Level (tier)	4 Final						
Firing order	1-4-2-6-3-5						
Bore	117 mm (4.4 in)	135 mm (5.3 in)					
Stroke	135 mm (5.3 in)	150 mm (5.9 in)					
Displacement	8.7 l (530 in³)	12.9 l (787 in³)					
Compression ratio	15.9:1	16.5:1			15.3:1		
Cylinder sleeves	Wet type, removable						
High idle (no load)	2190 - 2350 RPM	2200 - 2350 RPM					
Rated speed	2000 RPM	2100 RPM					
Idle speed	850 RPM						
Standard power rating- kW (HP)	276 kW (370 Hp)	313 kW (420 Hp)	350 kW (470 Hp)	373 kW (500 Hp)	399 kW (535 Hp)	433 kW (580 Hp)	462 kW (620 Hp)
Peak torque at 1400 RPM NM. (Lb. Ft.)	1845 N·m (1361 lb ft)	1992 N·m (1469 lb ft)	2229 N·m (1644 lb ft)	2374 N·m (1751 lb ft)	2540 N·m (1874 lb ft)	2757 N·m (2034 lb ft)	2941 N·m (2169 lb ft)
Torque rise - %	40						

Lubrication system

Oil pressure at idle speed (minimum)

370	400 kPa (58 psi)
420 - 470 - 500	430 kPa (62 psi)
540, 580, and 620	220 kPa (31 psi)

Oil pressure at high idle

370	500 kPa (72 psi)
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420 - 470 - 500	480 kPa (70 psi)
540 - 580 - 620	460 kPa (67 psi)
Type of system	Pressure and spray

Air intake system

All models

Type	Dry type, Two Stage Aspirator System with Service Indicator in Instrument Cluster
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Cooling system

All models

Type	Pressure system, thermostat controlled bypass, impeller type pump
Radiator	Aluminum furnace brazed
Thermostat	Starts to open at approximately 83 °C (180 °F) fully open at 95 °C (203 °F)
Pressure cap, deaeration tank	103 kPa (15 psi)
Steiger 370, 420, 470, and all Rowtrac models - Fan drive type	Electronically controlled viscous
Steiger 500, 540, 580 and 620, Quadtrac 470, 500, 540, 580 and 620 - Fan drive type	Hydraulic

Power train and hydraulics

Transmission - Powershift

Type	Full powershift, 16 forward and 2 reverse speeds
Shift control	Electronically controlled, hydraulically operated

Brakes

Service brake	Hydraulic, multiple disc wet brake integral with front and rear differentials
Park brake - Steiger 370, 420, 470 and 500 (Std) and all Rowtrac models.	Electrically controlled spring applied and pressure released. Integral with rear differential
Park brake - 500 (HD), 540, 580, 620 and all Quadtrac	Electrically controlled spring applied and pressure released. Integral with front and rear differentials

Axle differential and final drives

Type	Bar type with integral wet brake. Spiral bevel ring/pinion gears. Pressure lubed and oil cooled
Final drive	
370 through 500 (Std)	4-Pinion planetary
500 (HD), 540, 580 and 620	3-Pinion compound planetary
Rowtrac 370, 420, 470 and 500	Offset planetary and drop gear
Quadtrac 450, 500, 550 and 600	Offset planetary and drop gear
	Total axle reduction
370 through 500 (Std)	25.396:1
500 (HD), 540, 580 and 620	25.194:1
Rowtrac models	14.840:1
Quadtrac models	12.134:1
Axle bar diameter	
370 (Std.), 500 and 540	115 mm (4.5 in)
370 (HD), 420 (HD), 470 (HD)	127 mm (5.0 in)
580 and 620	140 mm (5.5 in)
Axle bar length	
Wheel	3048 mm (120.0 in)
Rowtrac	2032 mm (80 in) (standard) 2235 mm (88 in) (optional) 3048 mm (120 in) (optional)
Quadtrac	2235 mm (88 in)

Power Take-Off (PTO) (If Equipped)

PTO type	Live Independent system integral with transmission ASABE Type 3 45 mm (1.75 in) 1000 RPM 20 spline
Type clutch	Electro/hydraulically actuated
Rotation	Clockwise from rear of tractor
1000 RPM	20 Spines from rear of tractor
Engine Speed for 1000 RPM	1800 RPM

Park brake system

Park brake	Spring applied multiple disc actuated by transmission control lever
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Hydraulic system

Type	Closed center, load sensing
Remote valve	Electro/ hydraulic controlled, closed center stack type with in-cab variable flow control for each section, with line locks on all lift ports
Standard system pump flow	
370	151 l/min (40 US gpm)
420 through 620	159 l/min (42 US gpm)
High output pump capacity (if equipped)	
370	208 l/min (55 US gpm)
420 through 620	216 l/min (57 US gpm)
Steering	Articulated, full priority, two double acting cylinders
Maximum steering pressure	193 bar (2800 psi)
Couplers	ISO standard couplers
Maximum system pressure	210 bar (3050 psi)

TwinFlow hydraulics (if equipped)

Type system	PFC piston pump
370 TwinFlow	200 l/min (53 US gpm)
370 Standard pump/TwinFlow combined	351 l/min (93 US gpm)
370 High flow pump/TwinFlow combined	408 l/min (108 US gpm)
420 through 620 TwinFlow	212 l/min (56 US gpm)
420 through 620 Standard pump/TwinFlow combined	371 l/min (98 US gpm)
420 through 620 High flow pump/TwinFlow combined	427 l/min (113 US gpm)

Hitch system (if equipped)

Type control	Electronic
Type valve	Three position - lift, hold and lower
Type draft arms	Rigid, swing type with manual float adjustment
Type hitch	Three point category IV-N
Hitch coupler	Category IV-N
Lift capacity (OECD Static) 610 mm (24.0 in) behind ball ends through full range (OECD Static)	
Steiger 370, 420, 470, and all Rowtrac models	9071 kg (20000 lb)
500, 540, 580 and 620	8900 kg (19,620 lb)
Quadtrac	8949 kg (19,728 lb)

Drawbar

Type	Solid bar with drop pin hammerstrap
Pin diameter (category 4)	51 mm (2.0 in)
Pin diameter (category 5)	70 mm (2.75 in)
Pin length	220 mm (8.7 in)
Maximum permissible tongue weight	
Standard 370 through 620 (category 4)	2400 kg (5,300 lb)
Standard - Quadtrac (category 4)	2722 kg (6,000 lb)
Optional heavy duty - all models (category 4)	4983 kg (11,000 lb)
Optional heavy duty - 500 through 620 and Quadtrac (category 5)	6804 kg (15,000 lb)

Scraper drawbar

Maximum permissible tongue weight	9072 kg (20,000 lb)
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Track and undercarriage (if equipped)

Track drive type	Independent, 4-track positive drive, Self tensioning track system
Track undercarriage	Integral center pivot design, 10 Degrees up/down oscillation
Track type	Self cleaning, rubber belt

Quadtrac	
Track width standard	762 mm (30 in)
Track width optional	914 mm (36 in)
Ground surface length	1829 mm (72 in)
Track gauge (center to center)	2235 mm (88 in)
Ground pressure with 24494 kg (54000 lb) configuration	
762 mm (30 in)	43.4 kPa (6.3 psi)
914 mm (36 in)	35.9 kPa (5.2 psi)
Rowtrac	
Track width standard	406 mm (16 in)
Track width optional	457 mm (18 in)
Track width optional	610 mm (24 in)
Track width optional	762 mm (30 in)
Ground surface length	1788 mm (70.4 in)
Track gauge standard (center to center)	2032 mm (80 in)
Track gauge optional (center to center)	2235 mm (88 in)
Track gauge optional (center to center)	3048 mm (120 in)
Ground pressure with 23133 kg (51000 lb) configuration	
406 mm (16 in) track	78 kPa (11.3 psi)
457 mm (18 in) track	69 kPa (10 psi)
610 mm (24 in) track	51.7 kPa (7.5 psi)
762 mm (30 in) track	41.4 kPa (6.0 psi)

Lubricants and capacities

Engine	
Oil exchange capacity with filter (approximate.)	CASE IH AKCELA UNITEK NO. 1™ SBL CJ-4
9L engine only	25 l (6.6 US gal)
13L single turbo engine only	27.25 l (7.2 US gal)
13L twin turbo engine only	36 l (9.5 US gal)
Cooling system capacity	
Coolant	CASE IH AKCELA ACTIFULL™ OT EXTENDED LIFE COOLANT
9L engine only	50 l (13.2 US gal)
13L single turbo engine only	57.6 l (15.2 US gal)
13L twin turbo engine only	
Main engine coolant system	70 l (18.4 US gal)
Secondary cooling system	40 l (10.6 US gal)
Transmission	
Oil type	CASE IH AKCELA HY-TRAN® ULTRACTION
370, 420, 470 or standard 500 and RowTrac™ models	63 l (16.6 US gal)
500 Scraper, 540, 580 and 620	68 l (18 US gal)
Hydraulic/axle system	
Oil type	CASE IH AKCELA HY-TRAN® ULTRACTION
Approximate. total system capacity (See Note)	
370	237 l (62.5 US gal)
420, 470, 500, 540, 580, and 620	250 l (66 US gal)
RowTrac™	244 l (64.5 US gal)
Quadtrac®	314 l (83 US gal)

NOTE: Total system capacity includes filters, front and rear axle and reservoir. If three-point hitch equipped, add **19 l (5 US gal)**.

Undercarriage idler/roller wheel hubs	
Agricultural version - Idler hub oil capacity and type (each)	600 ml (20 US fl oz) CNH DRIVETRAIN FLUIDtransmission oil
Scraper version - Idler hub oil capacity and type (each)	480 ml (16.2 US fl oz) CASE IH AKCELA NO. 1™ ENGINE OIL SAE 30
Roller hub oil capacity and type (each)	250 ml (8 US fl oz) CASE IH AKCELA NO. 1™ ENGINE OIL SAE 30

Speed charts

NOTE: Travel speeds are approximate at rated engine speed. No allowance is made for wheel slip.

SPEED CHART: Steiger 370 All Speeds at 2000 Engine RPM

Tire sizes		480/80R42 R1	480/80R46 R1 & R1W 520/85R42 R1 & R1W & R2 620/70R42 R1W 710/70R38 R1W 900/50R42 R1W	380/90R54 R1W 480/80R50 R1W 520/85R46 R1W & R2 620/70R46 R1W 650/85R38 R1W 710/70R42 R1W 800/70R38 R1W	480/95R50 R1W 710/75R42 R1W 900/60R42 R1W
		Group 46	Group 47	Group 48	Group 49
Rolling Radius (mm)		883	925	979	1038
Forward Gears	1	3.9 km/h (2.4 mph)	4.1 km/h (2.5 mph)	4.3 km/h (2.7 mph)	4.6 km/h (2.8 mph)
	2	4.7 km/h (2.9 mph)	4.9 km/h (3.0 mph)	5.2 km/h (3.2 mph)	5.5 km/h (3.4 mph)
	3	5.6 km/h (3.5 mph)	5.9 km/h (3.7 mph)	6.2 km/h (3.9 mph)	6.6 km/h (4.1 mph)
	4	6.8 km/h (4.2 mph)	7.1 km/h (4.4 mph)	7.5 km/h (4.7 mph)	8.0 km/h (5.0 mph)
	5	7.8 km/h (4.8 mph)	8.2 km/h (5.1 mph)	8.6 km/h (5.4 mph)	9.2 km/h (5.7 mph)
	6	8.6 km/h (5.3 mph)	9.0 km/h (5.6 mph)	9.5 km/h (5.9 mph)	10.1 km/h (6.3 mph)
	7	9.4 km/h (5.8 mph)	9.8 km/h (6.1 mph)	10.4 km/h (6.5 mph)	11.0 km/h (6.9 mph)
	8	10.3 km/h (6.4 mph)	10.8 km/h (6.7 mph)	11.4 km/h (7.1 mph)	12.1 km/h (7.5 mph)
	9	11.3 km/h (7.0 mph)	11.9 km/h (7.4 mph)	12.6 km/h (7.8 mph)	13.3 km/h (8.3 mph)
	10	12.5 km/h (7.7 mph)	13.0 km/h (8.1 mph)	13.8 km/h (8.6 mph)	14.6 km/h (9.1 mph)
	11	13.7 km/h (8.5 mph)	14.3 km/h (8.9 mph)	15.1 km/h (9.4 mph)	16.1 km/h (10.0 mph)
	12	15.0 km/h (9.3 mph)	15.7 km/h (9.8 mph)	16.6 km/h (10.3 mph)	17.6 km/h (11.0 mph)
	13	17.2 km/h (10.7 mph)	18.0 km/h (11.2 mph)	19.1 km/h (11.9 mph)	20.2 km/h (12.6 mph)
	14	20.7 km/h (12.9 mph)	21.7 km/h (13.5 mph)	23.0 km/h (14.3 mph)	24.4 km/h (15.2 mph)
	15	25.1 km/h (15.6 mph)	26.3 km/h (16.3 mph)	27.8 km/h (17.3 mph)	29.5 km/h (18.3 mph)
	16-Lo	30.2 km/h (18.8 mph)	31.6 km/h (19.6 mph)	33.5 km/h (20.8 mph)	35.5 km/h (22.0 mph)
	16-Hi	33.2 km/h (20.6 mph)	34.7 km/h (21.6 mph)	36.8 km/h (22.9 mph)	39.0 km/h (24.2 mph)
Reverse Gears	1	5.9 km/h (3.6 mph)	6.1 km/h (3.8 mph)	6.5 km/h (4.0 mph)	6.9 km/h (4.3 mph)
	2	11.8 km/h (7.3 mph)	12.4 km/h (7.7 mph)	13.1 km/h (8.1 mph)	13.9 km/h (8.6 mph)

NOTE: Travel speeds are approximate at rated engine speed. No allowance is made for wheel slip.

SPEED CHART: Steiger 420 through 500 Std
All Speeds at 2100 Engine RPM

Tire sizes		480/80R42 R1	480/80R46 R1 & R1W 520/85R42 R1 & R1W & R2 620/70R42 R1W 710/70R38 R1W 900/50R42 R1W	380/90R54 R1W 480/80R50 R1W 520/85R46 R1W & R2 620/70R46 R1W 650/85R38 R1W 710/70R42 R1W 800/70R38 R1W	480/95R50 R1W 710/75R42 R1W 900/60R42 R1W
		Group 46	Group 47	Group 48	Group 49
Rolling Radius (mm)		883	925	979	1038
Forward Gears	1	4.1 km/h (2.5 mph)	4.3 km/h (2.6 mph)	4.5 km/h (2.8 mph)	4.8 km/h (3.0 mph)
	2	4.9 km/h (3.0 mph)	5.1 km/h (3.2 mph)	5.4 km/h (3.4 mph)	5.8 km/h (3.6 mph)
	3	5.9 km/h (3.7 mph)	6.2 km/h (3.9 mph)	6.6 km/h (4.1 mph)	7.0 km/h (4.3 mph)
	4	7.1 km/h (4.4 mph)	7.5 km/h (4.6 mph)	7.9 km/h (4.9 mph)	8.4 km/h (5.2 mph)
	5	8.2 km/h (5.1 mph)	8.6 km/h (5.3 mph)	9.1 km/h (5.6 mph)	9.6 km/h (6.0 mph)
	6	9.0 km/h (5.6 mph)	9.4 km/h (5.9 mph)	10.0 km/h (6.2 mph)	10.6 km/h (6.6 mph)
	7	9.9 km/h (6.1 mph)	10.3 km/h (6.4 mph)	10.9 km/h (6.8 mph)	11.6 km/h (7.2 mph)
	8	10.8 km/h (6.7 mph)	11.3 km/h (7.0 mph)	12.0 km/h (7.5 mph)	12.7 km/h (7.9 mph)
	9	11.9 km/h (7.4 mph)	12.5 km/h (7.7 mph)	13.2 km/h (8.2 mph)	14.0 km/h (8.7 mph)
	10	13.1 km/h (8.1 mph)	13.7 km/h (8.5 mph)	14.5 km/h (9.0 mph)	15.4 km/h (9.6 mph)
	11	14.3 km/h (8.9 mph)	15.0 km/h (9.3 mph)	15.9 km/h (9.9 mph)	16.9 km/h (10.5 mph)
	12	15.8 km/h (9.8 mph)	16.5 km/h (10.3 mph)	17.5 km/h (10.9 mph)	18.5 km/h (11.5 mph)
	13	18.1 km/h (11.2 mph)	18.9 km/h (11.8 mph)	20.1 km/h (12.5 mph)	21.3 km/h (13.2 mph)
	14	21.8 km/h (13.5 mph)	22.8 km/h (14.2 mph)	24.2 km/h (15.0 mph)	25.6 km/h (15.9 mph)
	15	26.3 km/h (16.3 mph)	27.6 km/h (17.1 mph)	29.2 km/h (18.1 mph)	30.9 km/h (19.2 mph)
	16-Lo	31.7 km/h (19.7 mph)	33.2 km/h (20.6 mph)	35.1 km/h (21.8 mph)	37.3 km/h (23.1 mph)
	16-Hi	34.7 km/h (21.6 mph)	36.4 km/h (22.6 mph)	38.5 km/h (23.9 mph)	40.8 km/h (25.4 mph)
Reverse Gears	1	6.2 km/h (3.8 mph)	6.5 km/h (4.0 mph)	6.8 km/h (4.2 mph)	7.2 km/h (4.5 mph)
	2	12.4 km/h (7.7 mph)	13.0 km/h (8.1 mph)	13.7 km/h (8.5 mph)	14.6 km/h (9.1 mph)

NOTE: Travel speeds are approximate at rated engine speed. No allowance is made for wheel slip.

SPEED CHART: Steiger 500HD through 620 and Quadtrac
All Speeds at 2100 Engine RPM

Tire sizes		480/80R42 R1	480/80R46 R1 & R1W 520/85R42 R1 & R1W & R2 620/70R42 R1W 710/70R38 R1W 900/50R42 R1W	380/90R54 R1W 480/80R50 R1W 520/85R46 R1W & R2 620/70R46 R1W 650/85R38 R1W 710/70R42 R1W 800/70R38 R1W	480/95R50 R1W 710/75R42 R1W 900/60R42 R1W	Quadtrac
		Group 46	Group 47	Group 48	Group 49	
Rolling Radius (mm)		883	925	979	1038	467
Forward Gears	1	4.1 km/h (2.5 mph)	4.3 km/h (2.7 mph)	4.5 km/h (2.8 mph)	4.8 km/h (3.0 mph)	4.5 km/h (2.8 mph)
	2	4.9 km/h (3.1 mph)	5.2 km/h (3.2 mph)	5.5 km/h (3.4 mph)	5.8 km/h (3.6 mph)	5.4 km/h (3.4 mph)
	3	6.0 km/h (3.7 mph)	6.2 km/h (3.9 mph)	6.6 km/h (4.1 mph)	7.0 km/h (4.4 mph)	6.5 km/h (4.1 mph)
	4	7.2 km/h (4.5 mph)	7.5 km/h (4.7 mph)	8.0 km/h (4.9 mph)	8.4 km/h (5.2 mph)	7.9 km/h (4.9 mph)
	5	8.2 km/h (5.1 mph)	8.6 km/h (5.4 mph)	9.1 km/h (5.7 mph)	9.7 km/h (6.0 mph)	9.0 km/h (5.6 mph)
	6	9.1 km/h (5.6 mph)	9.5 km/h (5.9 mph)	10.0 km/h (6.2 mph)	10.7 km/h (6.6 mph)	9.9 km/h (6.2 mph)
	7	9.9 km/h (6.2 mph)	10.4 km/h (6.5 mph)	11.0 km/h (6.8 mph)	11.7 km/h (7.3 mph)	10.9 km/h (6.8 mph)
	8	10.9 km/h (6.8 mph)	11.4 km/h (7.1 mph)	12.1 km/h (7.5 mph)	12.8 km/h (8.0 mph)	12.0 km/h (7.4 mph)
	9	12.0 km/h (7.5 mph)	12.6 km/h (7.8 mph)	13.3 km/h (8.3 mph)	14.1 km/h (8.8 mph)	13.1 km/h (8.2 mph)
	10	13.2 km/h (8.2 mph)	13.8 km/h (8.6 mph)	14.6 km/h (9.1 mph)	15.5 km/h (9.6 mph)	14.4 km/h (9.0 mph)
	11	14.5 km/h (9.0 mph)	15.1 km/h (9.4 mph)	16.0 km/h (10.0 mph)	17.0 km/h (10.6 mph)	15.8 km/h (9.8 mph)
	12	15.9 km/h (9.9 mph)	16.6 km/h (10.3 mph)	17.6 km/h (10.9 mph)	18.7 km/h (11.6 mph)	17.4 km/h (10.8 mph)
	13	18.2 km/h (11.3 mph)	19.1 km/h (11.9 mph)	20.2 km/h (12.6 mph)	21.4 km/h (13.3 mph)	20.0 km/h (12.4 mph)
	14	22.0 km/h (13.6 mph)	23.0 km/h (14.3 mph)	24.4 km/h (15.1 mph)	25.8 km/h (16.0 mph)	24.1 km/h (15.0 mph)
	15	26.5 km/h (16.5 mph)	27.8 km/h (17.3 mph)	29.4 km/h (18.3 mph)	31.2 km/h (19.4 mph)	29.1 km/h (18.1 mph)
	16-L-o	32.0 km/h (19.9 mph)	33.5 km/h (20.8 mph)	35.4 km/h (22.0 mph)	37.6 km/h (23.3 mph)	35.0 km/h (21.8 mph)
	16-Hi	35.0 km/h (21.7 mph)	36.7 km/h (22.8 mph)	38.8 km/h (24.1 mph)	41.1 km/h (25.6 mph)	38.3 km/h (23.8 mph)
Reverse Gears	1	6.2 km/h (3.9 mph)	6.5 km/h (4.0 mph)	6.9 km/h (4.3 mph)	7.3 km/h (4.5 mph)	6.8 km/h (4.2 mph)
	2	12.5 km/h (7.8 mph)	13.1 km/h (8.1 mph)	13.9 km/h (8.6 mph)	14.7 km/h (9.1 mph)	13.7 km/h (8.5 mph)

NOTE: Travel speeds are approximate at rated engine speed. No allowance is made for wheel slip.

SPEED CHART: Rowtrac

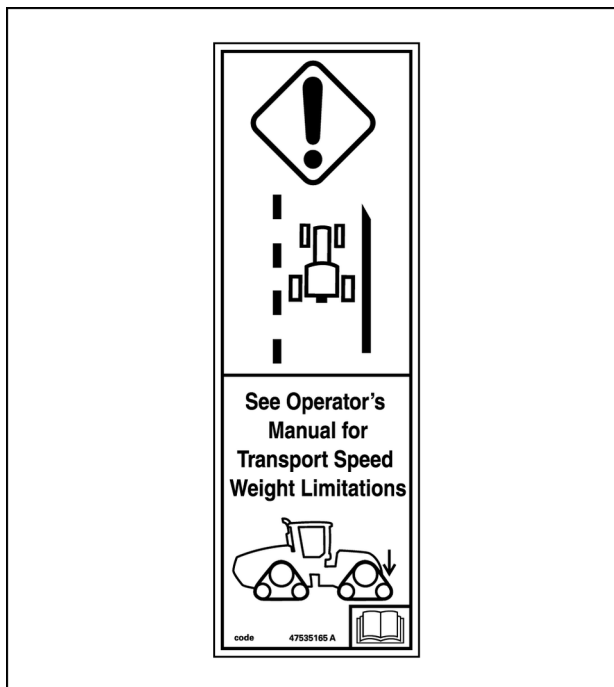
Rowtrac 370 at 2000 engine RPM

Rowtrac 420, 470, and 500 at 2100 engine RPM

models		Rowtrac 370	Rowtrac 420, 470 and 500
Forward Gears	1	4.4 km/h (2.7 mph)	4.6 km/h (2.9 mph)
	2	5.3 km/h (3.3 mph)	5.5 km/h (3.4 mph)
	3	6.4 km/h (4.0 mph)	6.7 km/h (4.2 mph)
	4	7.7 km/h (4.8 mph)	8.0 km/h (5.0 mph)
	5	8.8 km/h (5.5 mph)	9.2 km/h (5.7 mph)
	6	9.7 km/h (6.0 mph)	10.1 km/h (6.3 mph)
	7	10.6 km/h (6.6 mph)	11.1 km/h (6.9 mph)
	8	11.6 km/h (7.2 mph)	12.2 km/h (7.6 mph)
	9	12.8 km/h (8.0 mph)	13.4 km/h (8.3 mph)
	10	14.1 km/h (8.8 mph)	14.8 km/h (9.2 mph)
	11	15.4 km/h (9.6 mph)	16.2 km/h (10.1 mph)
	12	16.9 km/h (10.5 mph)	17.8 km/h (11.1 mph)
	13	19.4 km/h (12.1 mph)	20.4 km/h (12.7 mph)
	14	23.4 km/h (14.5 mph)	24.6 km/h (15.3 mph)
	15	28.3 km/h (17.6 mph)	29.7 km/h (18.5 mph)
	16-Lo	34.0 km/h (21.1 mph)	35.7 km/h (22.2 mph)
Reverse Gears	16-Hi	40.0 km/h (24.9 mph)	40.0 km/h (24.9 mph)
	1	6.6 km/h (4.1 mph)	7.0 km/h (4.3 mph)
	2	14.6 km/h (9.1 mph)	15.4 km/h (9.6 mph)

Rowtrac transport speeds and weights

The shown decal is located on the left hand cab A post. Refer to the following table for transport weights and speeds.

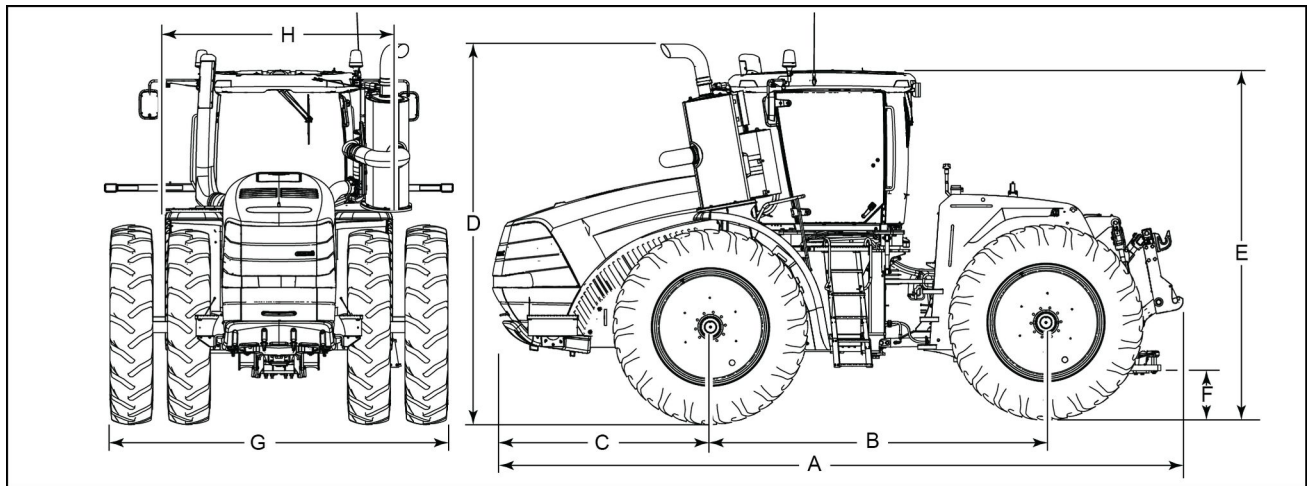


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Model	Do not exceed roading speed of:	If axle weight exceeds:	If three point hitch weight exceeds:
Rowtrac	30 km/h (18.8 mph)	20400 kg (45000 lb)	5375 kg (11850 lb)
	24 km/h (15 mph)	25200 kg (55500 lb)	8255 kg (18200 lb)

Vehicle dimensions and shipping weight

Approximate Overall Measurements Steiger 370, 420 and 470 wheel tractors



RAIL13TR04768FA 1

With 710/70R42 Tires/Wheels, Static Loaded Radius 869 mm (33.9 in)	
A. 7493 mm (295 in)	E. 3663 mm (144.2 in)
B. 3759 mm (148.0 in)	F. 443 mm (17.4 in)
C. 2446 mm (96.3 in)	G. 4419 mm (174 in)
D. 3988 mm (157 in)	H. 2549 mm (100.4 in)

NOTE: Height determined with tires at proper inflation pressure.

General dimensions

Frame Articulation: 42 Degrees Left/Right

Frame Oscillation: 13 Degrees (26 Degrees Total)

Approximate base shipping weight

Steiger 370 standard	17449 kg (38469 lb)
Steiger 370 heavy duty	17496 kg (38571 lb)
Steiger 420 and 470	18062 kg (39820 lb)
Steiger 470 scraper	18198 kg (40119 lb)

NOTE: Estimated base shipping weights listed are with 710/70R42 dual tires, no fuel, less operator, no three-point hitch, no Power Take-Off (PTO) or other operational equipment.

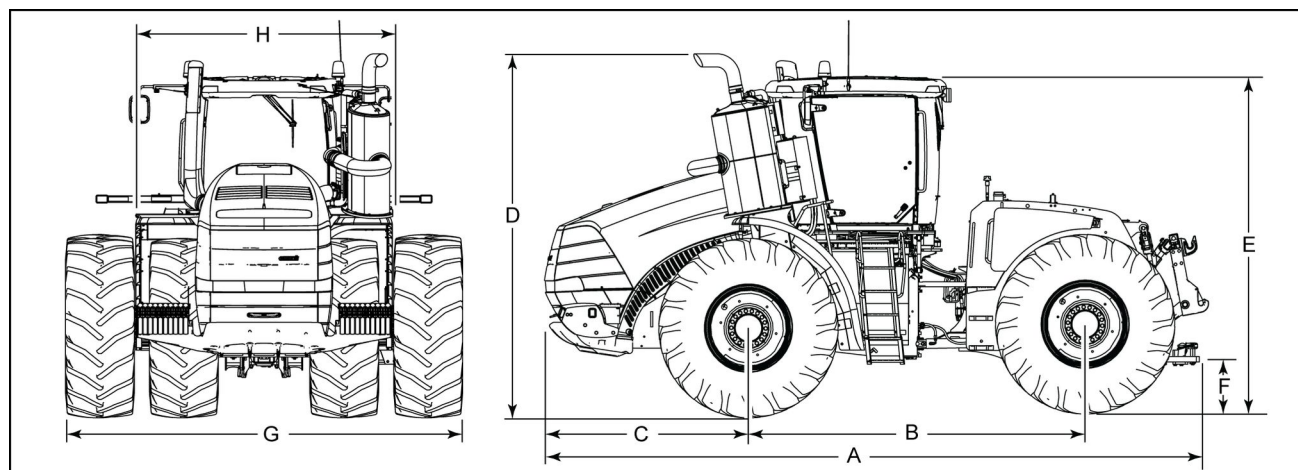
Approximate component weights

Suspended cab	381 kg (840 lb)
Three-point hitch, drawbar and quickhitch	1631 kg (3595 lb)
Power Take-Off (PTO) system	481 kg (1060 lb)

NOTE: Calculate fuel weight at 3.3 kg (7.3 lb) per US gallon.

Approximate overall measurements

Steiger 500, 540, 580 and 620 wheel tractors



RAIL14TR00113FA 2

With 710/70R42 Tires/Wheels, Static Loaded Radius 869 mm (33.9 in)	
A. 7615 mm (299.8 in)	E. 3772 mm (148.5 in)
B. 3911 mm (154.0 in)	F. 457 mm (18 in)
C. 2375 mm (93.5 in)	G. 3886 mm (153 in)
D. 4089 mm (161 in)	H. 2990 mm (117.7 in)

NOTE: Height determined with tires at proper inflation pressure.

General dimensions

Frame Articulation: Steiger 500 and 540- 42 Degrees Left/Right, Steiger 580 and 620 - 38 Degrees Left/Right

Frame Oscillation: 13 Degrees (26 Degrees Total)

Approximate base shipping weight

Steiger 500 heavy duty	20090 kg (44290 lb)
Steiger 500 scraper	20301 kg (44756 lb)
Steiger 540 heavy duty	21012 kg (46324 lb)
Steiger 540 scraper	21224 kg (46790 lb)
Steiger 580 and 620 heavy duty	22828 kg (50328 lb)
Steiger 580 and 620 scraper	22973 kg (50646 lb)

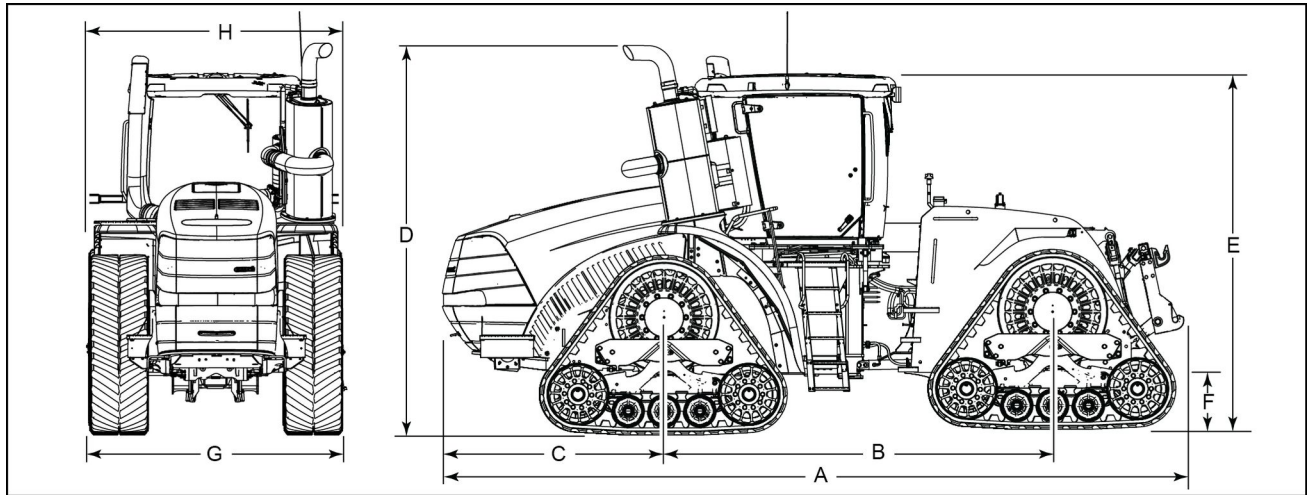
NOTE: Estimated base shipping weights listed are with 710/70R42 dual tires, no fuel, less operator, no three-point hitch, no Power Take-Off (PTO) or other operational equipment.

Approximate component weights

Suspended cab	354 kg (780 lb)
Three-point hitch, drawbar and quickhitch	1551 kg (3420 lb)
Power Take-Off (PTO) system	583 kg (1285 lb)

NOTE: Calculate fuel weight at 3.3 kg (7.3 lb) per US gallon.

Approximate overall measurements Rowtrac tractors



RAIL13TR04774FA 3

Rowtrac	
A. 7798 mm (307 in)	E. 3709 mm (146 in)
B. 4064 mm (160 in)	F. 483 mm (19 in)
C. 2446 mm (96.3 in)	G. See table A below
D. 3988 mm (157 in)	H. 2549 mm (100.35 in)

Table A			
Track width	Tread setting		
	2032 mm (80 in)	2235 mm (88 in)	3048 mm (120 in)
	G dimension for overall track width		
406 mm (16 in)	2452 mm (96.5 in)	2655.2 mm (104.5 in)	3468 mm (136.5 in)
457 mm (18 in)	2490 mm (98 in)	2693.3 mm (106 in)	3506.1 mm (138 in)
610 mm (24 in)	2642.5 mm (104 in)	2642.5 mm (104 in)	3658.5 mm (144 in)
762 mm (30 in)	2794.9 mm (110 in)	2998.1 mm (118 in)	3810.9 mm (150 in)

General dimensions

Frame Articulation: 38 Degrees Left/Right
 Frame Oscillation: 13 Degrees (26 Degrees Total)
 Undercarriage oscillation: 10 Degrees up/down

Approximate base shipping weight

370 Rowtrac	22138 kg (48806 lb)
420, 470 and 500 Rowtrac	22818 kg (50306 lb)

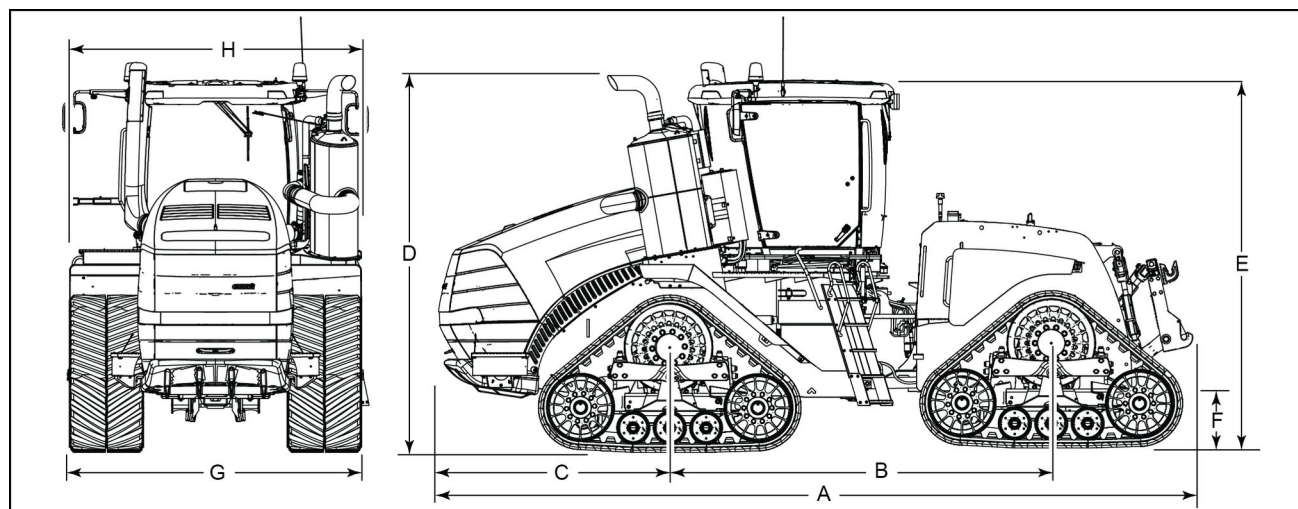
Approximate component weights

Three-point hitch, drawbar and quickhitch	1631 kg (3595 lb)
Power Take-Off (PTO) system	481 kg (1060 lb)

NOTE: Calculate fuel weight at 3.3 kg (7.3 lb) per US gallon.

Approximate overall measurements

Quadtrac



RAIL13TR04772FA 4

Quadtrac	
A. 7613 mm (299.7 in)	E. 3770 mm (148.4 in)
B. 3912 mm (154.0 in)	F. 457 mm (18 in)
C. 2375 mm (93.5 in)	G. 2997 mm (118.0 in)
D. 3835 mm (151 in)	H. 2488 mm (98.0 in)

General dimensions

Frame Articulation: 38 Degrees Left/Right
 Frame Oscillation: 13 Degrees (26 Degrees Total)
 Undercarriage Oscillation: 10 Degrees Up/Down

Approximate base shipping weights

Quadtrac 470 and 500 Ag version	23416 kg (51623 lb)
Quadtrac 500 scraper	23560 kg (51941 lb)
Quadtrac 540 Ag version	23868 kg (52621 lb)
Quadtrac 540 scraper	24013 kg (52939 lb)
Quadtrac 580 and 620 Ag version	24269 kg (53503 lb)
Quadtrac 580 scraper	24413 kg (53821 lb)

NOTE: Estimated base shipping weights listed are with 762 mm (30 in) tracks, no fuel, less operator, no three-point hitch, no Power Take-Off (PTO) or other operational equipment.

Approximate component weights

Three Point Hitch, drawbar and quickhitch	1605 kg (3538 lb)
Power Take Off System	583 kg (1285 lb)

NOTE: Calculate fuel weight at 3.3 kg (7.3 lb) per US gallon.

Maximum operating weight

The maximum recommended tractor operating weight (total scale weight) includes the tractor and all optional equipment that may be installed, such as dual wheels, three-point hitch, Power Take-Off (PTO), plus cast iron ballast and full fuel. It does not include mounted equipment such as three-point hitch mounted implements or operator. Never exceed 65% of maximum ballasted weight on the front axle.

Maximum Tractor Operating Weight	
Steiger 370	19051 kg (42000 lb)
Steiger 420 and 470	22453 kg (49500 lb)
Steiger 500 and 540	25401 kg (56000 lb)
Steiger 580 and 620	29937 kg (66000 lb)
all Rowtrac models	27216 kg (60000 lb)
all Quadtrac models	29030 kg (64000 lb)

NOTE: The maximum tractor operating weight for single tire operation is limited to the maximum tire load capacity for single wheel operation (see tire manufacturers data book) and must not exceed the maximum tractor operating weight.