

Z-BAR/XR WHEEL LOADER
TIER 4 FINAL CERTIFIED





ENGINE	
Make	FPT
Model	F4HFE613S
Emissions Cert	fication Tier 4 Final
Emissions Tech	nology SCR/DOC
Type	4-stroke, turbocharged and air-to-air cooled
Cylinders	6-cylinder in-line
Bore/Stroke	4.09 x 5.20 in (104 x 132 mm)
Displacement	411 in ³ (6.7 L)
Fuel	#2 Diesel, #1 and #2 mixture permitted for cold temperatures
Fuel injection	Direct injection – electronic
Fuel filter	Replaceable, spin-on cartridge
Fuel pump	Bosch CP 3.3
Gradeability: Side-to-side Fore and aft	35° 35°
Air filter	Dry type elements w/ warning restriction indicator

	•	
Mid-mount cooling module:		
	Mid-mount air/water	
Fan - hydraulic driven:		
Style	8 blade puller	
Diameter	32 in (813 mm)	
Water pump	Integral	
Engine oil pump operating	g angle ratings:	
Side-to-side	35°	

Engine speeds	RPM
Rated - full load	2000

Horsepower:

Fore and aft

Oil filtration

Maximum Power Mode:

Peak gross @ 1800 RPM 230 hp (172 kW)
Net rated @ 2000 RPM 206 hp (153 kW)
Peak net @ 1800 RPM 211 hp (158 kW)

Standard Power Mode:

Economy Power Mode:

Torque - peak:

Maximum Power Mode:

Torque rise:
Maximum power range

NOTE: Gross horsepower and torque per SAE J1995.

Net horsepower and torque per SAE J1349.

DRIVETRAIN

Transmission:

4F/3R Proportional w/ Electronic Control Module torque sensing autoshift/manual shift and modulation

Gears	Helical cut
Gear ratios – 4-speed	Forward/Reverse
1st	3.754/3.551
2nd	2.184/2.071
3rd	1.072/1.017
4th	0.636/ —
Gear ratios – 5-speed	Forward/Reverse
1st	3.921/3.718
2nd	2.255/2.138
3rd	1.466/0.894
4th	0.942/ —
5th	0.613/ —
Torque converter:	
Stall ratio – 4-speed	2.28:1
Stall ratio - 5-speed	2.42:1

Differential:

35°

Replaceable.

full flow spin-on cartridge

Limited slip differential, front – up to 72.5% of available axle torque to wheel w/ traction Limited slip differential, rear – up to 72.5% of available axle torque to wheel w/ traction

Rear axle oscillation	24° total
Front and rear axles:	
Differential ratio	4.11
Planetary ratio	6.00
Final axle ratio	24.67

Heavy-duty axles - optional:

Front axle equipped w/ locking differential Rear axle equipped w/ open differential

Planetaries	Outboard

Service brakes:

Hydraulically actuated, maintenance-free, multiple wet disc w/ accumulator to all four wheels

Brake surface area:

Rear hub 600 in² (0.387 m²) Front and opt. rear hub 721 in² (0.465 m²)

Parking brakes:

Spring-applied hydraulic release disc on transmission output shaft neutralizes power flow to wheels when engaged

Travel speeds – 4-speed transmission:		
	Forward	Reverse
	mph (kph)	mph (kph)
1st	4.4 (7.1)	4.7 (7.5)
2nd	7.4 (12.0)	7.8 (12.6)
3rd	14.5 (23.3)	15.2 (24.4)
4th	22.8 (36.6)	_

Travel speeds – 5-speed transmission:		
	Forward	Reverse
	mph (kph)	mph (kph)
1st	4.1 (6.6)	4.4 (7.0)
2nd	7.1 (11.4)	7.4 (12.0)
3rd	10.6 (17.1)	17.2 (27.7)
4th	16.4 (26.4)	_
5th	24.9 (40.0)	_

NOTE: Travel speeds at full engine throttle w/ 23.5-R25 L3 Radial tires.

ELECTRICAL

Voltage	24 Volts, negative ground
Alternator	120 amp
Batteries (2)	12-volt

OPERATOR ENVIRONMENT

ROPS cab AC w/ heat; Key start; Articulated power steering w/ tilt column; Fully adjustable, suspension seat; Foot throttle; Single lever loader control w/ fully adjustable wrist rest, 2 cup holders; 2 interior rear view mirrors; 2 in (51 mm) retractable seat belt; Multiple storage trays; Single brake pedal; F/N/R shuttle switch; External rearview mirrors; Pressurized air filtering; Anti-glare window strip; Front and Rear Defroster; Side window, partial/fully open; 2 Dome lights; Wipers, rear and intermittent front; Windshield washers, front and rear; Rubber floor mat; Horn.

Displays/Gauges:

Digital:

Transmission oil temperature; Hydraulic oil temperature; Engine coolant temperature; Fuel level; DEF level.

LCD screen:

Hour meter; Engine speed; Travel speed; Time; Automatic transmission indication; Current gear selection; FNR indication; DeClutch indication; Engine mode indication; Trip computer A/B; Fuel consumption; Multiple languages, Metric/English; Engine diagnostics; Transmission diagnostics; Warning prompts; Error reporting; Diff. Lock*; DEF gauge.

Audible/Visual alarms:

Warning lights:

Four-way flashers and turn signals; Brake pressure; Lamp/high beam indication; Grid heater*.

Caution warnings:

Parking brake; Coolant temperature; Hydraulic oil temperature; Transmission oil temperature; Air filter; Transmission filter; Hydraulic filter; Alternator; Low fuel.

Critical warnings:

Engine oil pressure; Brake pressure; Steering pressure – w/ aux steering*; Coolant temperature; Hydraulic oil temperature; Transmission oil temperature.

Backup alarm

Maintenance reminders:

Cab air filter; Engine oil filter; Fuel pre-filter; DEF tank vent filter; SCR supply filter; Hydraulic oil and filter; Engine air filter; Engine coolant drive belt; Cab recirculation filter; Engine breather filter; Transmission breather; Front and rear axle fluid; SCR supply module filter.

NOTE: *If equipped w/ option.

OPERATING WEIGHT

Z-Bar

Unit equipped w/ 23.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Heavy-duty counterweight – 4,940 lb (2 241 kg); Heavy-duty batteries; Front and rear fenders; Lights; Full fuel; 165 lb (75 kg) operator; 4.25 yd³ (3.2 m³) MD pin on w/ bolt on edge:

40,057 lb (18 170 kg)

XR

Unit equipped w/ 23.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Heavy-duty counterweight – 4,940 lb (2 240 kg); Heavy-duty batteries; Front and rear fenders; Lights; Full fuel; 165 lb (75 kg) operator; 4.25 yd³ (3.2 m³) MD pin on w/ bolt on edge:

40,648 lb (18 438 kg)

HYDRAULICS

Main pump – steering/implement:
Closed center pressure/flow compensated

Tandem variable displacement – load-sensing:

Max rated flow x2: 31.6 gpm @ 2000 RPM (120 L/min @ 2000 RPM)

Loader control valve:

Closed-center, sectional 2, 3 or 4-function w/ control for lift, tilt and auxiliary hydraulics

Loader auxiliary steering:

Hydraulic orbital center-pivot articulating w/ on-demand oil flow

High pressure standby:

Implement 3,625 psi (25 000 kPa) Steering 3,500 psi (24 132 kPa)

Filtration:

Filtered vent w/ relief on hydraulic reservoir, maintains 3-5 psi on reservoir, 10-micron, return filter furnishes only clean oil to all components of the system

SERVICE CAPACITIES

Fuel tank	76.0 gal (288.0 L)	
DEF tank - Diesel Exhaust Fluid:		
Usable	9.8 gal (37.1 L)	
Total	15.6 gal (58.9 L)	
Hydraulic system:		
Reservoir	24.0 gal (90.8 L)	
Total	47.0 gal (178.0 L)	
Transmission:		
Service w/ filter	9.0 gal (34.1 L)	
Front and rear axle:		
Front axle	42.3 qt (40.0 L)	
Rear axle	42.3 qt (40.0 L)	
Engine oil w/ filter	16.0 qt (15.1 L)	
Cooling system	32.0 qt (30.0 L)	

OTHER SPECIFICATIONS

Lift cylinder:		
Bore diameter	5.5 in (140 mm)	
Rod diameter	ter 3.0 in (76 mm)	
Stroke	33.3 in (846 mm)	
Dump cylinder:		
Bore diameter	6.5 in (165 mm)	
Rod diameter	3.5 in (90 mm)	
Stroke	23.6 in (600 mm)	

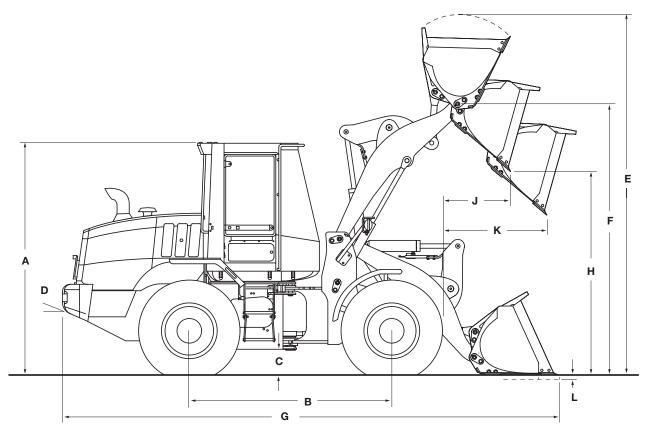
Loader:

Z-Bar loader linkage; Single control for lift and tilt; Positive hold float; Automatic return-to-dig; Automatic height control; Automatic return-to-travel; Brake pedal transmission disconnect; Bucket position indicator on bucket.

Cycle time:	
Raise w/ rated bucket load	6.2 sec
Dump w/ rated bucket load	1.2 sec
Float down	2.5 sec
Sound level in Cab (LpA)	68 dB(A)
Exterior sound level (LwA)	104 dB(A)

NOTE: Sound level data tested in accordance with ISO6395, 6396, 3744.

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Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS	
A. Height to top of ROPS cab	136.2 in (3 460 mm)
Height to drawbar	42.6 in (1 081 mm)
B. Wheelbase	131.5 in (3 340 mm)
C. Ground clearance	17.0 in (431 mm)
D. Angle of departure	29°
Width:	
Overall* without bucket	111.4 in (2 829 mm)
Centerline tread	87.8 in (2 230 mm)
Turning radius* – outside	236.3 in (6 003 mm)
Turning angle:	
From center	40°
Total angle	80°
Rear axle oscillation – total	24°

NOTE: *Dimensions taken with 23.5-R25 L3 Radial tires. Additional dimensions on pages 4 through 8.

WEIGHT ADJUSTMENTS					
Select Options	Weight Adjustment	Tipping Load Adjustment Straight: Deflected*	Tipping Load Adjustment 40° Turn: Deflected*		
23.5-R25 L2 Bias	-748 lb (-339 kg)	-610 lb (-277 kg)	-971 lb (-440 kg)		
23.5-R25 L2 Radial tires	-28 lb (-13 kg)	-104 lb (-47 kg)	-133 lb (-60 kg)		
23.5-R25 Snow Radial Tires	+52 lb (+24 kg)	+162 lb (+73 kg)	+166 lb (+75 kg)		
Light counterweight	-1,655 lb (-751 kg)	-3,514 lb (-1 594 kg)	-2,770 lb (-1 257 kg)		

NOTE: Unit equipped with Z-Bar loader arms, 4.25 yd³ (3.2 m³) general purpose pin on bucket with bolt-on edge, 23.5-R25 L3 Radial tires, ROPS cab with heater and air conditioner, heavy counterweight, heavy-duty batteries, front and rear fenders, full fuel and 165 lb (75 kg) operator. Adjust select options from rated weight. *Tipping loads: ISO 14397-1 Deflected Tires.

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PERFORMANCE SPECS				
821G Z-Bar*		3.5 yd³ (2.7 m³) Bucket with Bolt-on Edge - Pin On	3.2 yd³ (2.4 m³) Bucket with Teeth - Pin On	4.25 yd³ (3.2 m³) Bucket with Bolt-on Edge - Pin On
Operating weight		39,723 lb (18 018 kg)	39,584 lb (17 955 kg)	40,057 lb (18 170 kg)
E. Operating height - fully raised with	th spillguard	209.5 in (5 322 mm)	209.5 in (5 322 mm)	215.4 in (5 471 mm)
F. Hinge pin height – fully raised		162.2 in (4 120 mm)	162.2 in (4 120 mm)	162.2 in (4 120 mm)
G. Overall length – bucket level on g	round	308.4 in (7 834 mm)	314.3 in (7 983 mm)	315.1 in (8 004 mm)
Dump angle - fully raised		55°	55°	55°
H. Dump height - fully raised, 45° du	ump	121.8 in (3 094 mm)	118.0 in (2 998 mm)	117.3 in (2 981 mm)
J. Bucket reach - fully raised, 45° d	ump	38.9 in (989 mm)	43.4 in (1 101 mm)	43.4 in (1 102 mm)
K. Bucket reach - 7 ft 0 in (2.13 m) I	height, 45° dump	64.3 in (1 633 mm)	67.1 in (1 704 mm)	66.8 in (1 696 mm)
L. Dig depth – edge below ground		2.5 in (63 mm)	2.5 in (64 mm)	3.1 in (78 mm)
Operating load - ISO Rigid Tires		14,653 lb (6 646 kg)	14,885 lb (6 752 kg)	14,251 lb (6 464 kg)
Operating load - ISO Deflected Tires		12,653 lb (5 739 kg)	12,857 lb (5 832 kg)	12,257 lb (5 560 kg)
Maximum material density - ISO Rigid	d Tires	4,187 lb/yd³ (2 484 kg/m³)	4,652 lb/yd³ (2 760 kg/m³)	3,353 lb/yd³ (1 990 kg/m³)
Maximum material density - ISO Defle	ected Tires	3,615 lb/yd³ (2 145 kg/m³)	4,018 lb/yd³ (2 384 kg/m³)	2,884 lb/yd³ (1 711 kg/m³)
0	Straight 40° turn	33,583 lb (15 233 kg) 29,306 lb (13 293 kg)	34,089 lb (15 463 kg) 29,771 lb (13 504 kg)	32,719 lb (14 841 kg) 28,503 lb (12 929 kg)
9	Straight 40° turn	31,229 lb (14 165 kg) 25,305 lb (11 478 kg)	31,697 lb (14 378 kg) 25,714 lb (11 664 kg)	30,374 lb (13 777 kg) 24,514 lb (11 119 kg)
. ,	Full height Ground	22,334 lb (10 131 kg) 41,169 lb (18 674 kg)	22,490 lb (10 201 kg) 41,508 lb (18 828 kg)	21,980 lb (9 970 kg) 40,434 lb (18 341 kg)
Breakout force with tilt cylinder		40,608 lb (18 420 kg)	44,051 lb (19 981 kg)	35,288 lb (16 007 kg)
Loader clearance circle with bucket		519.5 in (13 196 mm)	522.6 in (13 275 mm)	523.3 in (13 291 mm)

821G XR		3.5 yd³ (2.7 m³) Bucket with Bolt-on Edge - Pin On	3.2 yd ³ (2.4 m ³) Bucket with Teeth - Pin On	4.25 yd ³ (3.2 m ³) Bucket with Bolt-on Edge - Pin On
Operating weight		40,314 lb (18 286 kg)	40,175 lb (18 223 kg)	40,648 lb (18 438 kg)
E. Operating height – fully raised v	vith spillguard	226.9 in (5 763 mm)	226.9 in (5 764 mm)	232.8 in (5 912 mm)
F. Hinge pin height – fully raised		179.6 in (4 561 mm)	179.6 in (4 562 mm)	179.6 in (4 561 mm)
G. Overall length – bucket level on	ground	327.6 in (8 322 mm)	333.5 in (8 470 mm)	334.3 in (8 490 mm)
Dump angle – fully raised		49°	49°	49°
H. Dump height – fully raised, 45°	dump	139.2 in (3 535 mm)	135.4 in (3 440 mm)	134.7 in (3 422 mm)
J. Bucket reach - fully raised, 45°	dump	43.4 in (1 102 mm)	47.8 in (1 214 mm)	47.8 in (1 215 mm)
K. Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	81.2 in (2 062 mm)	84.2 in (2 139 mm)	84.0 in (2 132 mm)
L. Dig depth – edge below ground		5.1 in (130 mm)	5.2 in (131 mm)	5.7 in (145 mm)
Operating load – ISO Rigid Tires		11,622 lb (5 272 kg)	11,805 lb (5 355 kg)	11,286 lb (5 119 kg)
Operating load - ISO Deflected Tire	S	10,193 lb (4 623 kg)	10,358 lb (4 698 kg)	9,862 lb (4 473 kg)
Maximum material density – ISO Rig	gid Tires	3,321 lb/yd³ (1 970 kg/m³)	3,689 lb/yd³ (2 189 kg/m³)	2,655 lb/yd³ (1 576 kg/m³)
Maximum material density – ISO De	eflected Tires	2,912 lb/yd³ (1 728 kg/m³)	3,237 lb/yd³ (1 921 kg/m³)	2,320 lb/yd³ (1 377 kg/m³)
Tipping load – ISO Rigid Tires:	Straight 40° turn	26,828 lb (12 169 kg) 23,244 lb (10 543 kg)	27,223 lb (12 348 kg) 23,610 lb (10 709 kg)	26,109 lb (11 843 kg) 22,571 lb (10 238 kg)
Tipping load – ISO Deflected Tires:	Straight 40° turn	25,220 lb (11 440 kg) 20,385 lb (9 247 kg)	25,593 lb (11 609 kg) 20,717 lb (9 397 kg)	24,509 lb (11 117 kg) 19,723 lb (8 946 kg)
Lift capacity:	Full height Ground	20,496 lb (9 297 kg) 31,551 lb (14 311 kg)	20,650 lb (9 367 kg) 31,877 lb (14 459 kg)	20,146 lb (9 138 kg) 30,790 lb (13 966 kg)
Breakout force with tilt cylinder		41,299 lb (18 733 kg)	44,797 lb (20 319 kg)	35,879 lb (16 275 kg)
Loader clearance circle with bucket		538.0 in (13 665 mm)	541.8 in (13 761 mm)	542.5 in (13 780 mm)

	Z-Bar/XR	Z-Bar/XR	Z-Bar/XR
Ground	41°/37°	41°/37°	41°/37°
Carry position	45°/43°	45°/43°	45°/43°
@ Full height	59°/60°	59°/60°	59°/60°
bucket - back dragging	59°/62°	60°/63°	60°/63°
(2.90 yd ³ (2.22 m ³)	2.75 yd ³ (2.10 m ³)	3.63 yd ³ (2.78 m ³)
	3.50 yd ³ (2.68 m ³)	3.20 yd³ (2.45 m³)	4.25 yd ³ (3.25 m ³)
	119.3 in (3 030 mm)	119.2 in (3 027 mm)	119.3 in (3 030 mm)
	3,064 lb (1 390 kg)	2,925 lb (1 327 kg)	3,398 lb (1 541 kg)
	Carry position @ Full height bucket – back dragging	Ground 41°/37° Carry position 45°/43° @ Full height 59°/60° bucket – back dragging 59°/62° 2.90 yd³ (2.22 m³) 3.50 yd³ (2.68 m³) 119.3 in (3 030 mm)	Ground 41°/37° 41°/37° Carry position 45°/43° 45°/43° © Full height 59°/60° 59°/60° bucket – back dragging 59°/62° 60°/63° 2.90 yd³ (2.22 m³) 2.75 yd³ (2.10 m³) 3.50 yd³ (2.68 m³) 3.20 yd³ (2.45 m³) 119.3 in (3 030 mm) 119.2 in (3 027 mm)

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PERFORMANCE SPECS				
821G Z-Bar*		4.0 yd³ (3.1 m³) Bucket with Teeth - Pin On	4.5 yd³ (3.4 m³) Bucket with Bolt-on Edge - Pin On	3.5 yd3 (2.7 m3) Bucket with Bolt-on Edge - ACS Coupler
Operating weight		39,916 lb (18 106 kg)	40,123 lb (18 200 kg)	41,223 lb (18 699 kg)
E. Operating height – fully raised	with spillguard	215.4 in (5 471 mm)	216.7 in (5 505 mm)	214.0 in (5 437 mm)
F. Hinge pin height – fully raised		162.2 in (4 120 mm)	162.2 in (4 120 mm)	162.1 in (4 118 mm)
G. Overall length - bucket level or	n ground	321.0 in (8 153 mm)	316.5 in (8 039 mm)	316.5 in (8 040 mm)
Dump angle – fully raised		55°	55°	55°
H. Dump height - fully raised, 45°	dump	113.6 in (2 885 mm)	116.5 in (2 958 mm)	116.4 in (2 956 mm)
J. Bucket reach - fully raised, 45°	dump dump	47.8 in (1 215 mm)	44.4 in (1 128 mm)	44.2 in (1 124 mm)
K. Bucket reach - 7 ft 0 in (2.13 n	n) height, 45° dump	69.4 in (1 762 mm)	67.4 in (1 712 mm)	67.2 in (1 706 mm)
L. Dig depth – edge below ground	d	3.1 in (78 mm)	3.1 in (78 mm)	3.3 in (83 mm)
Operating load – ISO Rigid Tires		14,477 lb (6 567 kg)	14,186 lb (6 435 kg)	13,128 lb (5 955 kg)
Operating load - ISO Deflected Tire	es	12,457 lb (5 650 kg)	12,189 lb (5 529 kg)	11,253 lb (5 104 kg)
Maximum material density - ISO R	igid Tires	3,619 lb/yd³ (2 148 kg/m³)	3,153 lb/yd³ (1 871 kg/m³)	3,751 lb/yd³ (2 226 kg/m³)
Maximum material density - ISO D	eflected Tires	3,114 lb/yd³ (1 848 kg/m³)	2,709 lb/yd³ (1 607 kg/m³)	3,215 lb/yd³ (1 908 kg/m³)
Tipping load - ISO Rigid Tires:	Straight	33,209 lb (15 063 kg)	32,581 lb (14 778 kg)	30,293 lb (13 741 kg)
	40° turn	28,954 lb (13 133 kg)	28,373 lb (12 870 kg)	26,256 lb (11 910 kg)
Tipping load - ISO Deflected Tires:	Straight	30,829 lb (13 984 kg)	30,231 lb (13 713 kg)	28,105 lb (12 748 kg)
	40° turn	24,913 lb (11 300 kg)	24,377 lb (11 057 kg)	22,507 lb (10 209 kg)
Lift capacity:	Full height	22,138 lb (10 042 kg)	21,913 lb (9 939 kg)	20,759 lb (9 416 kg)
	Ground	40,760 lb (18 488 kg)	40,294 lb (18 277 kg)	33,901 lb (15 377 kg)
Breakout force with tilt cylinder		37,922 lb (17 201 kg)	34,301 lb (15 559 kg)	34,091 lb (15 463 kg)
Loader clearance circle with bucke	t	526.5 in (13 373 mm)	524.0 in (13 311 mm)	524.1 in (13 311 mm)

821G XR		4.0 yd ³ (3.1 m ³) Bucket with Teeth - Pin On	4.5 yd ³ (3.4 m ³) Bucket with Bolt-on Edge - Pin On	3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge - ACS Coupler
Operating weight		40,507 lb (18 373 kg)	40,714 lb (18 467 kg)	41,814 lb (18 966 kg)
E. Operating height – fully raised w	vith spillguard	232.8 in (5 912 mm)	234.1 in (5 946 mm)	231.4 in (5 878 mm)
F. Hinge pin height – fully raised		179.6 in (4 561 mm)	179.6 in (4 561 mm)	179.5 in (4 559 mm)
G. Overall length – bucket level on	ground	340.1 in (8 638 mm)	335.6 in (8 525 mm)	335.6 in (8 525 mm)
Dump angle – fully raised		49°	49°	49°
H. Dump height - fully raised, 45°	dump	130.9 in (3 326 mm)	133.8 in (3 399 mm)	133.7 in (3 397 mm)
J. Bucket reach - fully raised, 45°	dump	52.3 in (1 327 mm)	48.9 in (1 241 mm)	48.7 in (1 236 mm)
K. Bucket reach - 7 ft 0 in (2.13 m)) height, 45° dump	86.8 in (2 205 mm)	84.6 in (2 150 mm)	84.4 in (2 144 mm)
L. Dig depth - edge below ground		5.7 in (145 mm)	5.7 in (145 mm)	5.9 in (150 mm)
Operating load – ISO Rigid Tires		11,464 lb (5 200 kg)	11,229 lb (5 093 kg)	10,350 lb (4 695 kg)
Operating load - ISO Deflected Tire	S	10,024 lb (4 547 kg)	9,803 lb (4 446 kg)	8,999 lb (4 082 kg)
Maximum material density - ISO Rig	gid Tires	2,866 lb/yd³ (1 701 kg/m³)	2,495 lb/yd³ (1 481 kg/m³)	2,957 lb/yd ³ (1 755 kg/m ³)
Maximum material density - ISO De	flected Tires	2,506 lb/yd³ (1 487 kg/m³)	2,178 lb/yd³ (1 293 kg/m³)	2,571 lb/yd ³ (1 526 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight 40° turn	26,495 lb (12 018 kg) 22,929 lb (10 400 kg)	25,979 lb (11 788 kg) 22,457 lb (10 186 kg)	24,109 lb (10 936 kg) 20,700 lb (9 389 kg)
Tipping load – ISO Deflected Tires:	Straight 40° turn	24,874 lb (11 283 kg) 20,048 lb (9 094 kg)	24,386 lb (11 061 kg) 19,605 lb (8 893 kg)	22,600 lb (10 251 kg) 17,998 lb (8 164 kg)
Lift capacity:	Full height Ground	20,302 lb (9 209 kg) 31,106 lb (14 110 kg)	20,079 lb (9 108 kg) 30,646 lb (13 901 kg)	18,931 lb (8 587 kg) 29,021 lb (13 164 kg)
Breakout force with tilt cylinder	Breakout force with tilt cylinder		34,876 lb (15 820 kg)	34,663 lb (15 723 kg)
Loader clearance circle with bucket		546.4 in (13 879 mm)	543.4 in (13 804 mm)	543.5 in (13 804 mm)

821G		Z-Bar/XR	Z-Bar/XR	Z-Bar/XR
Maximum rollback:	Ground	42°/37°	41°/37°	42°/38°
	Carry position	45°/43°	45°/43°	45°/43°
	@ Full height	59°/60°	59°/60°	59°/60°
Maximum grading angle wit	th bucket - back dragging	61°/64°	60°/63°	60°/63°
SAE bucket capacity - stru	ck	3.44 yd³ (2.63 m³)	3.78 yd ³ (2.89 m ³)	2.90 yd³ (2.22 m³)
Heaped		4.00 yd ³ (3.06 m ³)	4.50 yd ³ (3.44 m ³)	3.50 yd ³ (2.68 m ³)
Bucket width - outside		119.2 in (3 027 mm)	119.3 in (3 030 mm)	119.3 in (3 030 mm)
Bucket weight		3,256 lb (1 477 kg)	3,464 lb (1 571 kg)	4,564 lb (2 070 kg)

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PERFORMANCE SPECS				
821G Z-Bar*		3.2 yd ³ (2.4 m ³) Bucket with Teeth - ACS Coupler	4.0 yd ³ (3.06 m ³) Bucket with Bolt-On Edge - ACS Coupler	3.8 yd ³ (2.91 m ³) Bucket with Teeth - ACS Coupler
Operating weight		41,082 lb (18 634 kg)	41,483 lb (18 816 kg)	41,342 lb (18 752 kg)
E. Operating height - fully raised with	th spillguard	214.0 in (5 437 mm)	218.8 in (5 558 mm)	218.8 in (5 558 mm)
F. Hinge pin height - fully raised		162.1 in (4 118 mm)	162.1 in (4 118 mm)	162.1 in (4 118 mm)
G. Overall length - bucket level on g	ground	322.4 in (8 188 mm)	320.9 in (8 151 mm)	326.8 in (8 299 mm)
Dump angle - fully raised		55°	55°	55°
H. Dump height - fully raised, 45° d	ump	112.6 in (2 860 mm)	113.6 in (2 886 mm)	109.8 in (2 790 mm)
J. Bucket reach - fully raised, 45° d	lump	48.7 in (1 236 mm)	47.8 in (1 213 mm)	52.2 in (1 326 mm)
K. Bucket reach – 7 ft 0 in (2.13 m)	height, 45° dump	69.7 in (1 771 mm)	69.4 in (1 762 mm)	71.8 in (1 823 mm)
L. Dig depth – edge below ground		3.3 in (84 mm)	3.1 in (79 mm)	3.2 in (80 mm)
Operating load - ISO Rigid Tires		13,339 lb (6 051 kg)	12,975 lb (5 886 kg)	14,613 lb (6 628 kg)
Operating load - ISO Deflected Tires		11,440 lb (5 189 kg)	11,077 lb (5 024 kg)	12,259 lb (5 560 kg)
Maximum material density - ISO Rigi	d Tires	4,169 lb/yd³ (2 473 kg/m³)	3,244 lb/yd³ (1 925 kg/m³)	3,845 lb/yd³ (2 282 kg/m³)
Maximum material density - ISO Defl	ected Tires	3,575 lb/yd³ (2 121 kg/m³)	2,769 lb/yd³ (1 643 kg/m³)	3,226 lb/yd³ (1 914 kg/m³)
Tipping load – ISO Rigid Tires:	Straight	30,752 lb (13 949 kg)	29,981 lb (13 599 kg)	33,733 lb (15 301 kg)
	40° turn	26,678 lb (12 101 kg)	25,951 lb (11 771 kg)	29,225 lb (13 256 kg)
Tipping load – ISO Deflected Tires:	Straight	28,532 lb (12 942 kg)	27,762 lb (12 593 kg)	30,896 lb (14 014 kg)
	40° turn	22,880 lb (10 378 kg)	22,154 lb (10 049 kg)	24,517 lb (11 121 kg)
Lift capacity:	Full height	20,916 lb (9 487 kg)	20,500 lb (9 299 kg)	20,789 lb (9 430 kg)
	Ground	35,573 lb (16 136 kg)	32,373 lb (14 684 kg)	39,661 lb (17 990 kg)
Breakout force with tilt cylinder		36,578 lb (16 591 kg)	31,163 lb (14 135 kg)	33,269 lb (15 090 kg)
Loader clearance circle with bucket		527.3 in (13 394 mm)	526.5 in (13 374 mm)	529.9 in (13 459 mm)

821G XR		3.2 yd ³ (2.4 m ³) Bucket with Teeth - ACS Coupler	4.0 yd3 (3.06 m3) Bucket with Bolt-On Edge - ACS Coupler	3.8 yd ³ (2.91 m ³) Bucket with Teeth - ACS Coupler
Operating weight		41,672 lb (18 902 kg)	42,074 lb (19 084 kg)	41,932 lb (19 020 kg)
E. Operating height – fully raised v	vith spillguard	231.4 in (5 878 mm)	236.2 in (5 999 mm)	236.2 in (5 999 mm)
F. Hinge pin height – fully raised		179.5 in (4 560 mm)	179.5 in (4 559 mm)	179.5 in (4 559 mm)
G. Overall length - bucket level on	ground	341.5 in (8 673 mm)	340.0 in (8 636 mm)	345.9 in (8 785 mm)
Dump angle – fully raised		49°	49°	49°
H. Dump height – fully raised, 45°	dump	130.0 in (3 301 mm)	131.0 in (3 327 mm)	127.2 in (3 231 mm)
J. Bucket reach - fully raised, 45°	dump	53.1 in (1 349 mm)	52.2 in (1 326 mm)	56.6 in (1 439 mm)
K. Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	87.2 in (2 216 mm)	86.8 in (2 204 mm)	89.5 in (2 274 mm)
L. Dig depth – edge below ground		5.9 in (151 mm)	5.8 in (146 mm)	5.8 in (147 mm)
Operating load – ISO Rigid Tires		10,519 lb (4 771 kg)	10,198 lb (4 626 kg)	11,279 lb (5 116 kg)
Operating load - ISO Deflected Tire	S	9,152 lb (4 151 kg)	8,833 lb (4 007 kg)	9,660 lb (4 382 kg)
Maximum material density – ISO Rig	gid Tires	3,287 lb/yd³ (1 950 kg/m³)	2,549 lb/yd³ (1 513 kg/m³)	2,968 lb/yd³ (1 761 kg/m³)
Maximum material density - ISO De	eflected Tires	2,860 lb/yd³ (1 697 kg/m³)	2,208 lb/yd³ (1 310 kg/m³)	2,542 lb/yd³ (1 508 kg/m³)
Tipping load – ISO Rigid Tires:	Straight	24,474 lb (11 101 kg)	23,799 lb (10 795 kg)	26,290 lb (11 925 kg)
	40° turn	21,038 lb (9 543 kg)	20,396 lb (9 251 kg)	22,557 lb (10 232 kg)
Tipping load – ISO Deflected Tires:	Straight	22,944 lb (10 407 kg)	22,272 lb (10 102 kg)	24,433 lb (11 082 kg)
	40° turn	18,304 lb (8 303 kg)	17,667 lb (8 013 kg)	19,322 lb (8 764 kg)
Lift capacity:	Full height	19,087 lb (8 658 kg)	18,674 lb (8 470 kg)	18,970 lb (8 604 kg)
	Ground	29,326 lb (13 302 kg)	28,592 lb (12 969 kg)	29,852 lb (13 541 kg)
Breakout force with tilt cylinder		37,188 lb (16 868 kg)	31,694 lb (14 376 kg)	33,832 lb (15 346 kg)
Loader clearance circle with bucket		547.4 in (13 904 mm)	546.4 in (13 880 mm)	550.5 in (13 982 mm)

821G		Z-Bar/XR	Z-Bar/XR	Z-Bar/XR
Maximum rollback:	Ground	42°/38°	42°/37°	42°/37°
	Carry position	45°/43°	45°/43°	45°/43°
	@ Full height	59°/60°	59°/60°	59°/60°
Maximum grading angle with	bucket - back dragging	61°/64°	61°/64°	63°/65°
SAE bucket capacity - struck	(2.75 yd ³ (2.10 m ³)	3.41 yd³ (2.61 m³)	3.25 yd ³ (2.48 m ³)
Heaped		3.20 yd ³ (2.45 m ³)	4.00 yd ³ (3.06 m ³)	3.80 yd ³ (2.91 m ³)
Bucket width - outside		119.2 in (3 027 mm)	119.3 in (3 030 mm)	119.2 in (3 027 mm)
Bucket weight		4,422 lb (2 006 kg)	4,824 lb (2 188 kg)	4,682 lb (2 124 kg)

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PERFORMANCE SPECS				
821G Z-Bar*	with B	3.6 yd³ (2.75 m³) Bucket olt-On Edge - JRB Coupler	3.2 yd³ (2.45 m³) Bucket with Teeth - JRB Coupler	4.0 yd³ (3.06 m³) Bucket with Bolt-on Edge - JRB Coupler
Operating weight		41,110 lb (18 647 kg)	40,969 lb (18 583 kg)	41,430 lb (18 792 kg)
E. Operating height - fully raised v	vith spillguard	216.2 in (5 491 mm)	216.2 in (5 492 mm)	221.9 in (5 636 mm)
F. Hinge pin height - fully raised		162.1 in (4 118 mm)	162.2 in (4 119 mm)	162.1 in (4 118 mm)
G. Overall length - bucket level on	ground	319.2 in (8 108 mm)	325.1 in (8 256 mm)	325.1 in (8 258 mm)
Dump angle - fully raised		55°	55°	55°
H. Dump height – fully raised, 45°	dump	114.7 in (2 914 mm)	110.9 in (2 818 mm)	110.9 in (2 817 mm)
J. Bucket reach - fully raised, 45°	dump	46.5 in (1 181 mm)	50.9 in (1 293 mm)	51.0 in (1 295 mm)
K. Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	68.6 in (1 743 mm)	71.1 in (1 806 mm)	71.2 in (1 807 mm)
L. Dig depth – edge below ground		3.1 in (79 mm)	3.1 in (80 mm)	3.1 in (79 mm)
Operating load – ISO Rigid Tires		12,945 lb (5 872 kg)	13,152 lb (5 966 kg)	12,618 lb (5 723 kg)
Operating load - ISO Deflected Tire	S	11,097 lb (5 034 kg)	11,280 lb (5 117 kg)	10,768 lb (4 884 kg)
Maximum material density - ISO Rig	gid Tires	3,596 lb/yd³ (2 134 kg/m³)	4,110 lb/yd³ (2 439 kg/m³)	3,155 lb/yd³ (1 872 kg/m³)
Maximum material density - ISO De	flected Tires	3,083 lb/yd³ (1 829 kg/m³)	3,525 lb/yd³ (2 092 kg/m³)	2,692 lb/yd³ (1 597 kg/m³)
Tipping load – ISO Rigid Tires:	Straight	29,859 lb (13 544 kg)	30,309 lb (13 748 kg)	29,157 lb (13 225 kg)
	40° turn	25,891 lb (11 744 kg)	26,304 lb (11 931 kg)	25,236 lb (11 447 kg)
Tipping load – ISO Deflected Tires:	Straight	27,708 lb (12 568 kg)	28,126 lb (12 758 kg)	27,004 lb (12 249 kg)
	40° turn	22,194 lb (10 067 kg)	22,560 lb (10 233 kg)	21,537 lb (9 769 kg)
Lift capacity:	Full height	20,848 lb (9 456 kg)	21,005 lb (9 528 kg)	20,513 lb (9 305 kg)
	Ground	31,046 lb (14 082 kg)	32,481 lb (14 733 kg)	28,363 lb (12 865 kg)
Breakout force with tilt cylinder		32,313 lb (14 657 kg)	34,565 lb (15 678 kg)	28,871 lb (13 096 kg)
Loader clearance circle with bucket		525.6 in (13 349 mm)	528.9 in (13 433 mm)	529.0 in (13 437 mm)

821G XR with Bo		3.6 yd³ (2.75 m³) Bucket Bolt-On Edge - JRB Coupler	3.2 yd ³ (2.45 m ³) Bucket with Teeth - JRB Coupler	4.0 yd ³ (3.06 m ³) Bucket with Bolt-on Edge - JRB Coupler
Operating weight		41,701 lb (18 915 kg)	41,559 lb (18 851 kg)	42,021 lb (19 060 kg)
E. Operating height – fully raised with spillguard		233.6 in (5 933 mm)	233.6 in (5 933 mm)	239.3 in (6 078 mm)
F. Hinge pin height – fully raised		179.5 in (4 560 mm)	179.5 in (4 560 mm)	179.5 in (4 559 mm)
G. Overall length – bucket level on ground		338.3 in (8 593 mm)	344.2 in (8 742 mm)	344.2 in (8 743 mm)
Dump angle – fully raised		49°	49°	49°
H. Dump height – fully raised, 45° dump		132.1 in (3 355 mm)	128.3 in (3 259 mm)	128.3 in (3 258 mm)
J. Bucket reach – fully raised, 45° dump		50.9 in (1 293 mm)	55.3 in (1 406 mm)	55.4 in (1 408 mm)
K. Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump		86.0 in (2 184 mm)	88.7 in (2 254 mm)	88.8 in (2 256 mm)
L. Dig depth – edge below ground		5.7 in (146 mm)	5.8 in (147 mm)	5.8 in (146 mm)
Operating load – ISO Rigid Tires		10,237 lb (4 644 kg)	10,404 lb (4 719 kg)	9,955 lb (4 515 kg)
Operating load – ISO Deflected Tires		8,903 lb (4 038 kg)	9,055 lb (4 107 kg)	8,622 lb (3 911 kg)
Maximum material density – ISO Rigid Tires		2,844 lb/yd³ (1 687 kg/m³)	3,251 lb/yd³ (1 929 kg/m³)	2,489 lb/yd³ (1 477 kg/m³)
Maximum material density – ISO Deflected Tires		2,473 lb/yd³ (1 467 kg/m³)	2,830 lb/yd³ (1 679 kg/m³)	2,155 lb/yd³ (1 279 kg/m³)
Tipping load - ISO Rigid Tires:	Straight	23,834 lb (10 811 kg)	24,193 lb (10 974 kg)	23,232 lb (10 538 kg)
	40° turn	20,475 lb (9 287 kg)	20,807 lb (9 438 kg)	19,910 lb (9 031 kg)
Tipping load – ISO Deflected Tires:	Straight	22,346 lb (10 136 kg)	22,686 lb (10 290 kg)	21,745 lb (9 863 kg)
	40° turn	17,807 lb (8 077 kg)	18,110 lb (8 215 kg)	17,243 lb (7 821 kg)
Lift capacity:	Full height	19,023 lb (8 629 kg)	19,179 lb (8 699 kg)	18,692 lb (8 479 kg)
	Ground	28,764 lb (13 047 kg)	29,068 lb (13 185 kg)	28,087 lb (12 740 kg)
Breakout force with tilt cylinder		32,861 lb (14 905 kg)	35,147 lb (15 942 kg)	29,366 lb (13 320 kg)
Loader clearance circle with bucket		545.3 in (13 850 mm)	549.3 in (13 951 mm)	549.4 in (13 955 mm)

	Z-Bar/XR	Z-Bar/XR	Z-Bar/XR
Ground	42°/37°	42°/37°	42°/37°
Carry position	45°/43°	45°/43°	45°/43°
@ Full height	59°/60°	59°/60°	59°/60°
Maximum grading angle with bucket – back dragging		62°/65°	62°/65°
(2.90 yd³ (2.22 m³)	2.75 yd³ (2.10 m³)	3.41 yd ³ (2.61 m ³)
	3.60 yd ³ (2.75 m ³)	3.20 yd ³ (2.45 m ³)	4.00 yd ³ (3.06 m ³)
	119.3 in (3 030 mm)	119.2 in (3 027 mm)	119.3 in (3 030 mm)
	4,450 lb (2 019 kg)	4,309 lb (1 955 kg)	4,770 lb (2 164 kg)
	Carry position @ Full height bucket – back dragging	Ground 42°/37° Carry position 45°/43° @ Full height 59°/60° bucket – back dragging 61°/63° 2.90 yd³ (2.22 m³) 3.60 yd³ (2.75 m³) 119.3 in (3 030 mm)	Ground 42°/37° 42°/37° Carry position 45°/43° 45°/43° © Full height 59°/60° 59°/60° bucket – back dragging 61°/63° 62°/65° C 2.90 yd³ (2.22 m³) 2.75 yd³ (2.10 m³) 3.60 yd³ (2.75 m³) 3.20 yd³ (2.45 m³) 119.3 in (3 030 mm) 119.2 in (3 027 mm)

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821G		Z-Bar*	XR
0210		3.8 yd³ (2.9 m³) Bucket	3.8 yd³ (2.9 m³) Bucket
		with Teeth - JRB Coupler	with Teeth - JRB Coupler
Operating weight		41,289 lb (18 728 kg)	41,879 lb (18 996 kg)
E. Operating height – fully raised with spillguard		221.9 in (5 637 mm)	239.3 in (6 078 mm)
F. Hinge pin height – fully raised		162.1 in (4 118 mm)	179.5 in (4 559 mm)
G. Overall length – bucket level on ground		331.0 in (8 406 mm)	350.1 in (8 892 mm)
Dump angle – fully raised		55°	49°
H. Dump height – fully raised, 45° dump		107.1 in (2 721 mm)	124.5 in (3 162 mm)
J. Bucket reach – fully raised, 45° dump		55.4 in (1 408 mm)	59.9 in (1 521 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		73.5 in (1 866 mm)	91.4 in (2 322 mm)
L. Dig depth – edge below ground		3.2 in (80 mm)	5.8 in (147 mm)
Operating load – ISO Rigid Tires		12,820 lb (5 815 kg)	10,118 lb (4 589 kg)
Operating load – ISO Deflected Tires		10,948 lb (4 966 kg)	8,771 lb (3 978 kg)
Maximum material density – ISO Rigid Tires		3,374 lb/yd³ (2 002 kg/m³)	2,663 lb/yd³ (1 580 kg/m³)
Maximum material density – ISO Deflected Tires		2,881 lb/yd³ (1 709 kg/m³)	2,308 lb/yd ³ (1 370 kg/m ³)
Tipping load - ISO Rigid Tires:	Straight	29,595 lb (13 424 kg)	23,584 lb (10 697 kg)
	40° turn	25,640 lb (11 630 kg)	20,236 lb (9 179 kg)
Tipping load – ISO Deflected Tires	3	27,412 lb (12 434 kg)	22,078 lb (10 015 kg)
	40° turn	21,895 lb (9 931 kg)	17,541 lb (7 957 kg)
Lift capacity:	Full height	20,670 lb (9 376 kg)	18,847 lb (8 549 kg)
	Ground	29,604 lb (13 428 kg)	28,385 lb (12 875 kg)
Breakout force with tilt cylinder		30,698 lb (13 925 kg)	31,221 lb (14 161 kg)
Loader clearance circle with bucket	PT	532.4 in (13 523 mm)	553.5 in (14 059 mm)
821G		Z-Bar	XR
Maximum rollback:	Ground	42°	37°
	Carry position	45°	43°
	@ Full height	59°	60°
Maximum grading angle with bucket – back dragging		64°	67°
SAE bucket capacity – struck Heaped		3.25 yd³ (2.48 m³) 3.80 yd³ (2.91 m³)	3.25 yd³ (2.48 m³) 3.80 yd³ (2.91 m³)
Bucket width - outside		119.2 in (3 027 mm)	119.2 in (3 027 mm)
Bucket weight		4,629 lb (2 100 kg)	4,629 lb (2 100 kg)

NOTE: *Z-Bar performance data shown with full counterweight.

Performance data unit equipped with 23.5-R25 L3 Radial tires, ROPS cab with heater and air conditioner, full counterweight, standard batteries, front and rear fenders, full fuel and 165 lb (75 kg) operator. Specifications per SAE J732, J1234, J695, J742, and J818.

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STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

Case/FPT F4HFE613S

Tier 4 Final Certified

Selective Catalytic Reduction (SCR) with Diesel Oxidation Catalyst

Selectable work modes:

Maximum Power

Standard Power

Economy Power

Auto Power

Turbocharger

Charge air cooling

Automatic belt tensioner

Integral engine oil cooling

Fuel filter with water trap

Dual-element dry-type air cleaner

Hydraulic-driven cooling fan

Air-cooled radiator

Mid-mounted cooling module

Common rail electronic fuel injection

LOADER

See page 2 – Operating weight, Other specifications

DRIVETRAIN

4-wheel drive

4F/3R Selectable autoshift/manual shift transmission

Electronic Control Module – programmable, computer controlled proportional shifting with programmable gear selection Onboard diagnostics

Single lever electronic shift control

F/N/R switch in loader control handle

Downshift button

Torque converter

Limited-slip differentials

Outboard planetary axles

Transmission oil cooler

Brake pedal transmission

disconnect - declutch

Hydraulic wet disc brakes

Spring-applied hydraulic release

parking brake

Limp-Home Mode

Greasable rear axle trunnion

3-piece rims

HYDRAULICS

Electro-hydraulic (EH) joystick loader control

Low-effort steering

Hydraulic driven cooling fan

Diagnostic quick couplers

Split flange hydraulic connections -

1 in or greater

Hydraulic oil cooler

ELECTRICAL

Alternator and voltage regulator

Battery isolator/electrical disconnect

120 amp alternator

(2) 700 CCA 12-volt batteries

Electric starter

Lights:

2 Front and 2 rear halogen flood lights

2 Front driving headlights – high/low beam with integrated turn signals

2 LED stop/tail lights with integrated turn signals

Key start/stop switch

Backup alarm

Centrally located fuse box

with all electrical circuits protected

Remote jump start posts

OTHER

Electric hood lift

Front and rear fenders, partial coverage

Heavy counterweight

Drawbar hitch

Articulation locking bar

Lift arm locking bar

Lift and tie-down points - front/rear

Grouped remote-mounted ecology drains:

Engine oil

Engine coolant

Hydraulic oil

TELEMATICS

CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription

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OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Cloth-covered heated air-suspension seat Leather trimmed heated air seat with active suspension

Cloth mechanical suspension seat

3 in (76 mm) retractable seat belt

Sound Shield noise suppression package

Bluetooth radio, 12V AM/FM with auxiliary input

Radio-ready - 12 or 24-volt with auxiliary power - 12-volt

Cab convenience package:

Rear sun shade, interior mirror, under the seat drawer, coat hook, 12V accessory port, and an ash tray

In cab powered cooler box

In cab accessory mount

LED rotating beacon

Rear view camera

External rear view mirrors

External heated rear view mirrors

Front LED driving/headlights

LED front and rear work lights

Extra front-facing LED work lights

DRIVETRAIN

5F/3R Autoshift/manual shift transmission, lockup torque converter, PowerInch de-clutch

Heavy-duty axles:

Larger size rear axle with hydraulically-actuated differential lock on front axle, open differential on rear axle. Recommended for applications on hard surfaces or with solid tires.

Cold weather package:

Heavy-duty (2) 950 CCA 12V batteries

Grid heater

Fuel heater

Hydraulic oil cooler bypass

Low temperature hydraulic oil

Fast-warm hydraulic valve

HYDRAULICS

Auxiliary hydraulics

Ride Control™

Secondary steering

Joystick steering with and without secondary steering

- 2-function loader valve with single access control
- 3-function loader valve with 3 lever control or with joystick plus lever
- 4-function loader valve with joystick and 2 lever control

LOADER

XR extended reach version Attachment auxiliary hydraulics Coupler systems - JRB or ACS compatible Buckets - see pages 4 through 8 4 - 1 clamp buckets Forks

TIRES

23.5 x 25 L2 bias - dirt/traction 23.5 x 25 L3 bias - rock 23.5-B25 I 2 radial - dirt/traction 23.5-R25 L3 radial - rock 23.5-R25 radial Michelin SnoPlus Spare wheels and tires Axle oscillation stops

ADVANCED ENGINE AIR FILTRATION

Variable speed hydraulic reversing fan Full-view air pre-cleaner Sy-Klone® ejector type pre-cleaner

OTHER

Additional RH steps and platform with standard or wide fenders Side guards for rear frame Tool box - ground level access Light counterweight - Z-Bar Fire extinguisher License plate bracket 12.4 mph (20 kph) maximum speed control Special paint Skid plate and transmission Standard fenders with right and left hand steps

Wide full coverage fenders with right and

left hand steps

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SAFETY™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201708821G Replaces Form No. CCE201610821G

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