

### ENGINE

Model	Case Family IV 667TA/EED, Tier III certified
Type	4-stroke, turbocharged and air-to-air cooled
Cylinders	6
Bore/Stroke	4.09 in x 5.20 in (104 X 132 mm)
Displacement	411 in <sup>3</sup> (6.7 L)
Fuel injection	Electronic
Fuel	#2 Diesel
Fuel filter	Replaceable, full flow spin-on cartridge
Fuel cooler	
Air filter	Dry type element w/warning restriction indicator
Mid-mount cooling module	External independent mounted coolers
Fan	
Style	8 blade puller
Diameter	32 in (813 mm)
Water pump	
Style	Integral
Engine oil	
Pump	Deep sump plate cooler with pressurized under-piston nozzles
Pump operating angle ratings	
Side-to-side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Replaceable, full flow spin-on cartridge
Engine speeds (rpm)	
Rated speed, full load	2000
Horsepower – Peak	
Max Power	
Gross	195 (145 kW) @ 2000 rpm
Net	183 (137 kW) @ 2000 rpm
Standard Power	
Gross	182 (136 kW) @ 1900 rpm
Net	172 (128 kW) @ 1800 rpm
Economy Power	
Gross	157 (117 kW) @ 1500 rpm
Net	149 (111 kW) @ 1500 rpm

NOTE: Gross horsepower and torque per SAE J1995.  
Net horsepower and torque per SAE J1349.

### ENGINE (CONTD.)

Torque – Peak	
Max Power	
Gross	636 lb-ft (862 N·m)@ 1400 rpm
Net	605 lb-ft (821 N·m)@ 1400 rpm
Standard Power	
Gross	625 lb-ft (847 N·m)@ 1400 rpm
Net	596 lb-ft (809 N·m)@ 1300 rpm
Economy Power	
Gross	614 lb-ft (832 N·m)@ 1200 rpm
Net	590 lb-ft (800 N·m)@ 1200 rpm
Torque rise	
Standard power @ 2000 rpm	31.4%

### DRIVETRAIN

Transmission			
4F/3R Proportional w/Electronic Control Module torque sensing autoshift/manual shift and modulation			
Gears		Helical cut	
Gear ratios	Forward	Reverse	
1st	3.745	3.551	
2nd	2.089	1.981	
3rd	1.072	1.017	
4th	0.636	NA	
Torque converter			
Stall ratio	2.81:1		
Differential		Limited slip on front and rear axles	
Rear axle oscillation		24° total	
Axles		Front	Rear
Differential ratio	3.364	3.182	
Planetary ratio	6.000	6.400	
Final axle ratio	20.18	20.36	
Planetaries		Outboard	
Service brakes			
Hydraulically actuated, maintenance-free, multiple wet disc w/accumulator to all four wheels			
Brake surface area	480 in <sup>2</sup> per hub (0.31 m <sup>2</sup> )		
Parking brakes			
Spring-applied hydraulic release disc on transmission output shaft			
Travel speeds – mph (km/h) w/20.5 x 25 L3 tires			
	Forward	Reverse	
1st	4.7 (7.6)	5.0 (8.0)	
2nd	8.3 (13.3)	8.7 (14.0)	
3rd	15.3 (24.6)	16.0 (25.7)	
4th	23.6 (38.0)	NA	

NOTE: Travel speeds at full engine throttle.

### ELECTRICAL

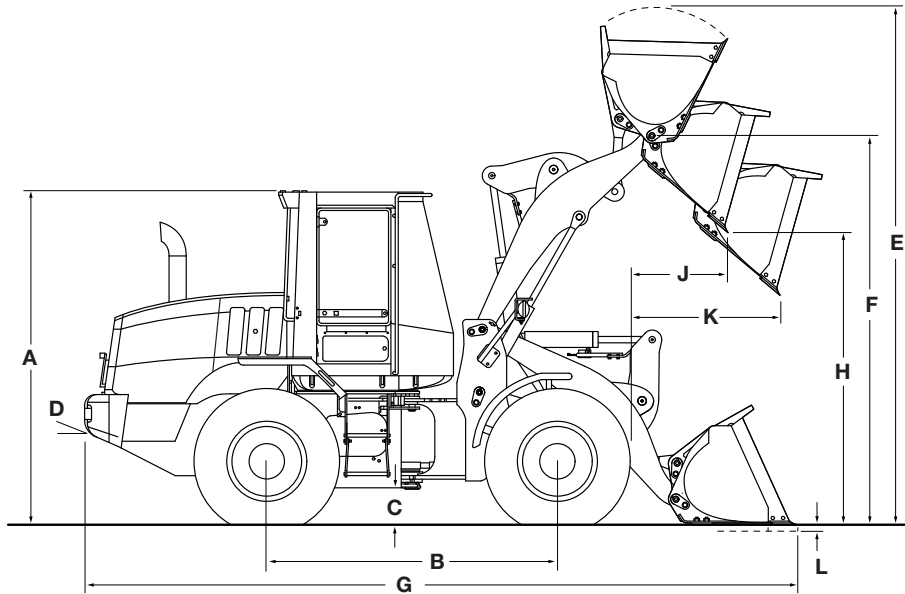
Voltage	24 Volts, negative ground
Alternator	65 amp
Batteries	(2) 12-Volt

### HYDRAULICS

Pump (steering/implement)	
Closed centered pressure/flow compensated	
Variable displacement	
3.84 in <sup>3</sup> /rev 31.6 gpm @ 2000 rpm @ 3600 psi (119.6 L/min @ 2000 rpm @ 24 821 kPa)	
Implement pump	Closed centered pressure/flow compensated
Variable displacement	
2.74 in <sup>3</sup> /rev 22.6 gpm @ 2000 rpm @ 3600 psi (85.6 L/min @ 2000 rpm @ 24 821 kPa)	
Loader control valve	
Closed-center, sectional 2, 3 or 4-spool with pilot control for lift, tilt and auxiliary hydraulics, electromagnetic detents in float, raise and rollback	
Loader auxiliary steering	
Hydraulic orbital center-pivot articulating w/on-demand oil flow	
High pressure standby	3600 psi (24 821 kPa)
Filtration	
10-micron, full flow replaceable cartridges on return line, condition indicator light for filter	

### CYLINDERS

Lift cylinder	
Bore diameter	4.75 in (120.6 mm)
Rod diameter	3.00 in (76.2 mm)
Stroke	32.59 in (827.9 mm)
Dump cylinder (Z-Bar and XR)	
Bore diameter	5.75 in (146.0 mm)
Rod diameter	3.00 in (76.2 mm)
Stroke	24.78 in (629.4 mm)
Dump cylinder (XT)	
Bore diameter	4.50 in (114.3 mm)
Rod diameter	2.25 in (57.2 mm)
Stroke	33.72 in (856.5 mm)



### DIMENSIONS

<b>A.</b> Height to top of ROPS cab	134.0 in (3404 mm)
<b>B.</b> Wheelbase	128.1 in (3253 mm)
<b>C.</b> Ground clearance	14.4 in (365 mm)
<b>D.</b> Angle of departure	32°
Width –	
Overall* w/o bucket	100.9 in (2562 mm)
Centerline tread	79.9 in (2029 mm)
Turning radius* – outside	226.4 in (5750 mm)
Turning angle –	
From center	40°
Total angle	80°
Rear axle oscillation, total	24°

NOTE: \*Dimensions taken with 20.5R25 Michelin XTLA tires. Additional dimensions on pages 3 & 4.

### WEIGHT ADJUSTMENTS

Select Options	Weight Adjustment	Tipping Load Adjustment Straight	Tipping Load Adjustment 40° Turn
20.5x25 12 ply L2 tires	-480 lb (-218 kg)	-376 lb (-171 kg)	-332 lb (-151 kg)
20.5x25 12 ply L3 tires	-152 lb (-69 kg)	-119 lb (-54 kg)	-105 lb (-48 kg)
20.5R25 XTLA TL tires	-380 lb (-172 kg)	-298 lb (-135 kg)	-263 lb (-119 kg)
Standard counterweight	-1,224 lb (-555 kg)	-2,787 lb (-1264 kg)	-2,359 lb (-1070 kg)
ROPS Canopy	-295 lb (-134 kg)	-339 lb (-154 kg)	-314 lb (-142 kg)

NOTE: \*\*Unit equipped with Z-Bar loader arms, 3.0 yd3 (2.3 m3) general purpose pin on bucket w/bolt-on edge, 20.5R25 XHA Michelin tires, ROPS cab with heater and air conditioner, full counterweight, standard batteries, front and rear fenders, full fuel and 175 lb (79 kg) operator. Adjust select options from rated weight.

## PERFORMANCE DATA

### 721E Z-Bar\*

	3.5 yd <sup>3</sup> GP (2.70 m <sup>3</sup> ) Bucket w/Bolt-on Edge	3.25 yd <sup>3</sup> GP (2.49 m <sup>3</sup> ) Bucket w/Bolt-on Edge
SAE bucket capacity – struck	3.01 yd <sup>3</sup> (2.30 m <sup>3</sup> )	2.76 yd <sup>3</sup> (2.11 m <sup>3</sup> )
Heaped	3.50 yd <sup>3</sup> (2.68 m <sup>3</sup> )	3.25 yd <sup>3</sup> (2.49 m <sup>3</sup> )
Bucket width – outside	106.3 in (2700 mm)	106.3 in (2700 mm)
Bucket weight	2,772 lb (1257 kg)	2,615 lb (1186 kg)
<b>E.</b> Operating height – fully raised w/spillguard	208.5 in (5297 mm)	205.8 in (5228 mm)
<b>F.</b> Hinge pin height – fully raised	156.6 in (3979 mm)	156.6 in (3979 mm)
<b>G.</b> Overall length – bucket level on ground	303.5 in (7710 mm)	301.2 in (7650 mm)
Dump angle – fully raised	55°	55°
<b>H.</b> Dump height – fully raised, 45° dump	113.7 in (2889 mm)	115.3 in (2927 mm)
<b>J.</b> Bucket reach – fully raised, 45° dump	46.1 in (1172 mm)	44.3 in (1126 mm)
<b>K.</b> Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	66.4 in (1688 mm)	65.3 in (1659 mm)
Operating load – ISO	11,967 lb (5428 kg)	12,036 lb (5459 kg)
Maximum material density – ISO	3,419 lb/yd <sup>3</sup> (2029 kg/m <sup>3</sup> )	3,702 lb/yd <sup>3</sup> (2196 kg/m <sup>3</sup> )
Tipping load – ISO		
Straight	27,616 lb (12 526 kg)	27,754 lb (12 589 kg)
40° turn	23,933 lb (10 856 kg)	24,072 lb (10 919 kg)
Lift capacity –		
Full height	16,005 lb (7260 kg)	16,162 lb (7331 kg)
Maximum reach	22,386 lb (10 154 kg)	22,551 lb (10 229 kg)
Ground	29,687 lb (13 466 kg)	29,992 lb (13 604 kg)
Breakout force w/tilt cylinder	29,805 lb (13 519 kg)	31,431 lb (14 257 kg)
Maximum rollback –		
Ground	40°	39°
Carry position	43°	43°
@ Maximum reach	54°	54°
@ Full height	57°	57°
<b>L.</b> Dig depth	3.0 in (76 mm)	3.0 in (76 mm)
Maximum grading angle w/bucket – back dragging	60°	60°
Loader clearance circle	498.9 in (12 671 mm)	497.5 in (12 636 mm)

### 721E/XT

	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) ACS Bucket w/Edge**	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) ACS Bucket w/Teeth & Segments**
<b>E.</b> Operating height – fully raised w/spillguard	208.8 in (5305 mm)	208.9 in (5305 mm)
<b>F.</b> Hinge pin height – fully raised	156.5 in (3975 mm)	156.5 in (3975 mm)
<b>G.</b> Overall length – bucket level on ground	306.0 in (7773 mm)	311.8 in (7919 mm)
Dump angle – fully raised	52°	52°
<b>H.</b> Dump height – fully raised, 45° dump	112.1 in (2847 mm)	108.3 in (2751 mm)
<b>J.</b> Bucket reach – fully raised, 45° dump	47.8 in (1215 mm)	51.8 in (1317 mm)
<b>K.</b> Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	67.3 in (1709 mm)	69.4 in (1762 mm)
Operating load – ISO	11,128 lb (5048 kg)	11,147 lb (5056 kg)
Maximum material density – ISO	3,759 lb/yd <sup>3</sup> (2231 kg/m <sup>3</sup> )	3,766 lb/yd <sup>3</sup> (2235 kg/m <sup>3</sup> )
Tipping load – ISO		
Straight	25,783 lb (11 695 kg)	25,821 lb (11 712 kg)
40° turn	22,256 lb (10 095 kg)	22,295 lb (10 113 kg)
Lift capacity –		
Full height	15,042 lb (6823 kg)	15,077 lb (6839 kg)
Maximum reach	21,333 lb (9677 kg)	21,369 lb (9693 kg)
Ground	28,197 lb (12 790 kg)	28,259 lb (12 818 kg)
Breakout force w/tilt cylinder	28,770 lb (13 050 kg)	26,011 lb (11 798 kg)
Loader clearance circle	499.7 in (12 692 mm)	503.1 in (12 779 mm)

### 721E XR

	3.0 yd <sup>3</sup> GP (2.29 m <sup>3</sup> ) Bucket w/Bolt-on Edge	3.25 yd <sup>3</sup> GP (2.5 m <sup>3</sup> ) Bucket w/Bolt-on Edge	3.25 yd <sup>3</sup> GP (2.5 m <sup>3</sup> ) Bucket w/Teeth & Segments
<b>E.</b> Operating height – fully raised w/spillguard	224.1 in (5692 mm)	221.4 in (5623 mm)	221.4 in (5623 mm)
<b>F.</b> Hinge pin height – fully raised	172.2 in (4374 mm)	172.2 in (4374 mm)	172.2 in (4374 mm)
<b>G.</b> Overall length – bucket level on ground	317.6 in (8066 mm)	315.2 in (8006 mm)	321.2 in (8156 mm)
Dump angle – fully raised	55°	55°	55°
<b>H.</b> Dump height – fully raised, 45° dump	129.4 in (3286 mm)	130.9 in (3324 mm)	127.0 in (3225 mm)
<b>J.</b> Bucket reach – fully raised, 45° dump	46.1 in (1172 mm)	44.3 in (1126 mm)	48.5 in (1231 mm)
<b>K.</b> Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	78.7 in (1998 mm)	77.5 in (1968 mm)	80.0 in (2032 mm)
Operating load – ISO	9,623 lb (4365 kg)	9,760 lb (4427 kg)	9,645 lb (4375 kg)
Maximum material density – ISO	2,749 lb/yd <sup>3</sup> (1631 kg/m <sup>3</sup> )	3,002 lb/yd <sup>3</sup> (1781 kg/m <sup>3</sup> )	2,966 lb/yd <sup>3</sup> (1760 kg/m <sup>3</sup> )
Tipping load – ISO			
Straight	22,367 lb (10 145 kg)	22,652 lb (10 275 kg)	22,423 lb (10 171 kg)
40° turn	19,245 lb (8729 kg)	19,519 lb (8854 kg)	19,290 lb (8750 kg)
Lift capacity –			
Full height	15,307 lb (6943 kg)	15,515 lb (7037 kg)	15,323 lb (6950 kg)
Maximum reach	19,897 lb (9025 kg)	20,111 lb (9122 kg)	19,916 lb (9034 kg)
Ground	23,738 lb (10 768 kg)	24,047 lb (10 907 kg)	23,843 lb (10 815 kg)
Breakout force w/tilt cylinder	29,615 lb (13 433 kg)	31,258 lb (14 179 kg)	31,089 lb (14 102 kg)
Loader clearance circle	511.6 in (12 996 mm)	510.1 in (12 956 mm)	515.3 in (13 090 mm)

## PERFORMANCE DATA

### 721E Z-Bar\*

	3.25 yd <sup>3</sup> GP (2.49 m <sup>3</sup> ) Bucket w/Teeth & Segments	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) Bucket w/Bolt-on Edge	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) Bucket w/Teeth & Segments
SAE bucket capacity – struck	2.76 yd <sup>3</sup> (2.11 m <sup>3</sup> )	2.53 yd <sup>3</sup> (1.94 m <sup>3</sup> )	2.53 yd <sup>3</sup> (1.94 m <sup>3</sup> )
Heaped	3.25 yd <sup>3</sup> (2.49 m <sup>3</sup> )	3.01 yd <sup>3</sup> (2.30 m <sup>3</sup> )	3.01 yd <sup>3</sup> (2.30 m <sup>3</sup> )
Bucket width – outside	107.7 in (2736 mm)	106.3 in (2700 mm)	107.7 in (2736 mm)
Bucket weight	2,807 lb (1273 kg)	2,506 lb (1137 kg)	2,699 lb (1224 kg)
<b>E.</b> Operating height – fully raised w/spillguard	205.8 in (5228 mm)	203.4 in (5167 mm)	203.4 in (5167 mm)
<b>F.</b> Hinge pin height – fully raised	156.6 in (3979 mm)	156.6 in (3979 mm)	156.6 in (3979 mm)
<b>G.</b> Overall length – bucket level on ground	307.1 in (7801 mm)	299.1 in (7596 mm)	305.1 in (7749 mm)
Dump angle – fully raised	55°	55°	55°
<b>H.</b> Dump height – fully raised, 45° dump	111.3 in (2828 mm)	116.6 in (2961 mm)	112.6 in (2861 mm)
<b>J.</b> Bucket reach – fully raised, 45° dump	48.5 in (1232 mm)	42.8 in (1087 mm)	46.9 in (1192 mm)
<b>K.</b> Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	67.6 in (1717 mm)	64.3 in (1633 mm)	66.7 in (1694 mm)
Operating load – ISO	11,918 lb (5406 kg)	12,067 lb (5474 kg)	11,950 lb (5420 kg)
Maximum material density – ISO	3,665 lb/yd <sup>3</sup> (2175 kg/m <sup>3</sup> )	4,009 lb/yd <sup>3</sup> (2379 kg/m <sup>3</sup> )	3,970 lb/yd <sup>3</sup> (2356 kg/m <sup>3</sup> )
Tipping load – ISO			
Straight	27,518 lb (12 482 kg)	27,812 lb (12 615 kg)	27,577 lb (12 509 kg)
40° turn	23,836 lb (10 812 kg)	24,135 lb (10 947 kg)	23,900 lb (10 841 kg)
Lift capacity –			
Full height	15,970 lb (7244 kg)	16,271 lb (7380 kg)	16,078 lb (7293 kg)
Maximum reach	22,355 lb (10 140 kg)	22,665 lb (10 281 kg)	22,469 lb (10 192 kg)
Ground	29,790 lb (13 512 kg)	30,227 lb (13 711 kg)	30,023 lb (13 618 kg)
Breakout force w/tilt cylinder	31,253 lb (14 176 kg)	32,958 lb (14 950 kg)	32,780 lb (14 869 kg)
Maximum rollback –			
Ground	40°	39°	40°
Carry position	43°	43°	43°
@ Maximum reach	54°	54°	54°
@ Full height	57°	57°	57°
<b>L.</b> Dig depth	3.3 in (84 mm)	3.0 in (76 mm)	3.3 in (84 mm)
Maximum grading angle w/bucket – back dragging	61°	60°	61°
Loader clearance circle	502.3 in (12 757 mm)	496.4 in (12 608 mm)	501.1 in (12 727 mm)

### 721E/XT

	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) Case Coupler Bucket w/Edge***	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) Case Coupler w/Teeth & Segments***
<b>E.</b> Operating height – fully raised w/spillguard	215.8 in (5481 mm)	215.8 in (5481 mm)
<b>F.</b> Hinge pin height – fully raised	163.8 in (4161 mm)	163.8 in (4161 mm)
<b>G.</b> Overall length – bucket level on ground	310.2 in (7880 mm)	315.9 in (8023 mm)
Dump angle – fully raised	55°	55°
<b>H.</b> Dump height – fully raised, 45° dump	116.3 in (2954 mm)	112.6 in (2860 mm)
<b>J.</b> Bucket reach – fully raised, 45° dump	48.7 in (1238 mm)	52.5 in (1334 mm)
<b>K.</b> Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	71.1 in (1806 mm)	73.1 in (1858 mm)
Operating load – ISO	10,095 lb (4579 kg)	10,021 lb (4545 kg)
Maximum material density – ISO	3,430 lb/yd <sup>3</sup> (2036 kg/m <sup>3</sup> )	3,405 lb/yd <sup>3</sup> (2021 kg/m <sup>3</sup> )
Tipping load – ISO		
Straight	23,425 lb (10 626 kg)	23,277 lb (10 558 kg)
40° turn	20,191 lb (9158 kg)	20,042 lb (9091 kg)
Lift capacity –		
Full height	15,133 lb (6864 kg)	15,003 lb (6805 kg)
Maximum reach	20,356 lb (9233 kg)	20,234 lb (9178 kg)
Ground	29,263 lb (13 273 kg)	29,037 lb (13 171 kg)
Breakout force w/tilt cylinder	29,172 lb (13 232 kg)	29,062 lb (13 182 kg)
Loader clearance circle	494.9 in (12 571 mm)	498.2 in (12 655 mm)

NOTE: \*Z-Bar performance data shown w/full counterweight.  
 \*\*XT lift arm with buckets for ACS Pro Series 2000® size 30 HD coupler.  
 \*\*\*XT lift arm with bucket for Case coupler.

Performance data unit equipped with 20.5R25 Michelin XTLA tires, ROPS cab w/heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 175 lb (75 kg) operator. Specifications per SAE J732, J1234, J695, J742, and J818.

### 721E XR

	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) Bucket w/Bolt-on Edge	3.0 yd <sup>3</sup> GP (2.3 m <sup>3</sup> ) Bucket w/Teeth & Segments
<b>E.</b> Operating height – fully raised w/spillguard	219.0 in (5564 mm)	219.0 in (5564 mm)
<b>F.</b> Hinge pin height – fully raised	172.2 in (4374 mm)	172.2 in (4374 mm)
<b>G.</b> Overall length – bucket level on ground	313.2 in (7955 mm)	319.1 in (8105 mm)
Dump angle – fully raised	55°	55°
<b>H.</b> Dump height – fully raised, 45° dump	132.2 in (3353 mm)	128.3 in (3258 mm)
<b>J.</b> Bucket reach – fully raised, 45° dump	42.8 in (1087 mm)	46.9 in (1192 mm)
<b>K.</b> Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	76.4 in (1942 mm)	79.0 in (2007 mm)
Operating load – ISO	9,836 lb (4461 kg)	9,722 lb (4410 kg)
Maximum material density – ISO	3,268 lb/yd <sup>3</sup> (1939 kg/m <sup>3</sup> )	3,230 lb/yd <sup>3</sup> (1916 kg/m <sup>3</sup> )
Tipping load – ISO		
Straight	22,811 lb (10 347 kg)	22,583 lb (10 243 kg)
40° turn	19,672 lb (8923 kg)	19,444 lb (8819 kg)
Lift capacity –		
Full height	15,623 lb (7086 kg)	15,431 lb (7000 kg)
Maximum reach	20,224 lb (9173 kg)	20,028 lb (9085 kg)
Ground	24,241 lb (10 996 kg)	24,036 lb (10 903 kg)
Breakout force w/tilt cylinder	32,778 lb (14 868 kg)	32,068 lb (14 791 kg)
Loader clearance circle	508.7 in (12 922 mm)	514.0 in (13 055 mm)

## INSTRUMENTATION

Electronic Information Center
Displays/Gauges –
Speedometer
Tachometer
Direction selected F/N/R
Transmission modes – Auto shift/Manual shift
Gear position
Engine coolant temperature
Fuel level
Transmission oil temperature
Hydraulic oil temperature
Hourmeter
Work mode
Indicator lights –
Low fuel
Turn signals
High beam lights
Grid heater*
Brake pressure
Master indicator
Secondary steering*
Parking brake
Audible alarms –
Caution alarm
Critical alarm
Backup alarm
Horn

NOTE: \*If equipped with option.

## OPERATOR ENVIRONMENT

ROPS cab w/ heat
Key start
Articulated power steering w/tilt column
Fully adjustable, suspension seat
Foot throttle
1-Lever loader control w/wrist rest
Cup holder
Coat hook
(1) Interior rearview mirror
2 in (51 mm) retractable seat belt
Storage tray behind seat
Cooled lunch box
Single brake pedal
F/N/R shuttle switch
External rear view mirrors
Lock box
Pressurized air filtering
Anti-glare window strip
Defroster
Side window, partial/fully open
Dome light
Wipers, rear and intermittent front
Windshield washers, front and rear
Rubber floor mat

## 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	5.59 sec
Dump w/rated bucket load	
Z-Bar and XR	1.8 sec
XT	1.9 sec
Lower (empty)	
Power down	3.29 sec
Float down	3.29 sec

## SERVICE CAPACITIES

Fuel tank	65 gal (246 L)
Hydraulic system	
Total	51.0 gal (193.1 L)
Reservoir	27.9 gal (105.7 L)
Transmission	
Service w/filter	6.75 gal (25.6 L)
Front and rear axle	
Front axle	32 qt (30.3 L)
Rear axle	29 qt (27.4 L)
Engine oil w/filter	15 qt (14.2 L)
Cooling system (-40)	39 qt (36.9 L)

## OPERATING WEIGHTS

### Z-Bar

Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XTLA Michelin tires, front and rear fenders, 3.0 yd<sup>3</sup> (2.3 m<sup>3</sup>) general purpose loader bucket w/edge, full fuel, 175 lb (79 kg)  
operator 30,644 lb (13 900 kg)

### XT

Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XTLA Michelin tires, 3.0 yd<sup>3</sup> (2.3 m<sup>3</sup>) ACS loader bucket, standard batteries, full fuel, 175 lb (79 kg)  
operator 31,827 lb (14 436 kg)

### XR

Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XTLA Michelin tires, front and rear fenders, 3.0 yd<sup>3</sup> (2.3 m<sup>3</sup>) general purpose loader bucket w/edge, full fuel, 175 lb (79 kg)  
operator 31,852 lb (14 448 kg)

## STANDARD EQUIPMENT

### OPERATOR'S ENVIRONMENT

See page 5

### ENGINE

Case Family IV 667TA/EED  
Tier III certified  
Selectable work modes  
    Max power  
    Auto power  
    Standard power  
    Economy power  
Turbocharger  
Charge air cooling  
Automatic fan belt tensioner  
Integral engine oil cooling  
Fuel filter w/water trap  
Dual element air cleaner  
65 amp alternator  
(2) 700 CCA 12-volt batteries  
Liquid-cooled radiator  
Non spark-arresting muffler  
Mid-mounted cooling module  
Common rail electronic fuel injection

## OPTIONAL EQUIPMENT

### OPERATOR'S COMPARTMENT

Cloth-covered air-suspension seat  
Sound Shield noise suppression package  
Cab air-conditioning w/heater  
Radio  
Radio-ready (12 or 24-volt)  
Auxiliary power (12-volt)  
Cab convenience package  
RH steps and platform  
Rotating beacon  
Second brake pedal  
Open ROPS  
Joystick steering

### ENGINE

Cold weather package  
    Heavy-duty batteries  
    Fuel heater  
    Hydraulic oil cooler bypass  
    Low temperature hydraulic oil  
    Grid heater

### LOADER

See page 5

### 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  
Outboard planetary axles  
Limited-slip differentials  
Transmission oil cooler  
Brake pedal transmission disconnect  
Hydraulic wet disc brakes  
Spring-applied hydraulic release parking brake  
Limp-Home Mode  
Lubed-for-life drive shaft

### LOADER

Attachment auxiliary hydraulics  
Buckets (see page 3 & 4)  
Loader coupler systems  
XT parallel lift  
XR extended reach

### HYDRAULICS

Auxiliary hydraulics  
Ride Control  
Secondary steering  
3 or 4-spool loader valves with 2 or 3-lever loader control  
Hydraulic reversing fan  
Hydraulic cooler

### HYDRAULICS

Single lever 2-spool loader control valve  
Low-effort steering  
Hydraulic driven fan  
(8) Diagnostic quick couplers

### OTHER

Electric hood lift  
Front and rear fenders  
Lights –  
    (2) Front driving headlights (high/low beam)  
    (2) Front flood  
    (2) Stop/tail lights and backup light  
    (2) Rear flood  
    Front and rear turn signal/flash  
Standard counterweight  
Drawbar hitch  
Articulation locking bar  
Lift arm locking bar  
Lift and tie-down points – front/rear  
Backup alarm  
Remote drain points

### TIRES

20.5-25 12 PR L3 bias (rock)  
20.5 R25 radial (dirt/traction)  
20.5 R25 radial (rock)

### OTHER

Special paint  
Full coverage fenders  
Belly pan  
Tool box  
Full counterweight - Z-Bar  
Temperature controlled fan

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

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