

721C/XR/XT

Articulated Wheel Loader



ENGINE

Model..... Case 6T-830
 Type..... 4-stroke, turbocharged
 Cylinders 6
 Bore/Stroke 4.48" x 5.32"
 (114 X 135 mm)
 Displacement 504 in³ (8.3 L)
 Fuel injection..... Direct
 Fuel..... #2 Diesel
 Fuel filter..... Replaceable, full flow
 spin-on cartridge
 Air filter..... Dry type element
 w/warning restriction indicator
 Radiator
 Core type Square Wave™
 Core size area..... 6.0 ft² (0.56 m²)
 Rows of tubes..... 5
 Fan
 Style..... 6 blade pusher
 Diameter 24.6" (625 mm)
 Ratio 1.1:1
 Water pump
 Style..... Integral
 Engine oil
 Pump..... Deep sump plate cooler
 with pressurized
 under-piston nozzles
 Pump operating angle ratings
 Side-to-side Rated 45°
 Fore and aft..... Rated 45°
 Oil filtration..... Replaceable,
 full flow spin-on cartridge
 Engine speeds (rpm)
 Rated speed, full load 2200
 Low idle..... 875 - 925
 High idle, no load..... 2300 - 2380
 Horsepower
 Gross..... 165 (123 kW) @ 2200 rpm
 Net..... 152 (113 kW) @ 2200 rpm
 Peak torque @ 1300 rpm
 Gross..... 556 lb·ft (754 N·m)
 Net 545 lb·ft (739 N·m)
 Torque rise 41%

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 Forward Reverse
 1st..... 3.745 3.551
 2nd 2.089 1.981
 3rd 1.072 1.017
 4th 0.666 NA
 Torque converter
 Stall ratio..... 2.87:1
 Differential..... Limited slip
 w/45% transfer on front
 and rear axles
 Rear axle oscillation 24° total
 Front and rear axle
 Differential ratio 3.363
 Planetary ratio..... 6.353
 Final axle ratio 21.37
 Planetaries..... Outboard
 Service brakes Hydraulically
 actuated maintenance-free
 multiple wet disc w/accumulator
 to all four wheels
 Brake surface area.... 312 in² per hub
 (0.20 m²)
 Parking brakes Spring applied
 hydraulic release disc on
 transmission output shaft
 Travel speeds – mph (km/h)
 w/20.5-25 L3 Tires
 Forward Reverse
 1st 4.9 (7.9) 5.2 (8.4)
 2nd 8.7 (14.0) 9.2 (14.8)
 3rd 16.2 (26.1) ... 17.1 (27.5)
 4th..... 24.2 (39.0)..... NA

NOTE: Travel speeds at full engine throttle.

ELECTRICAL

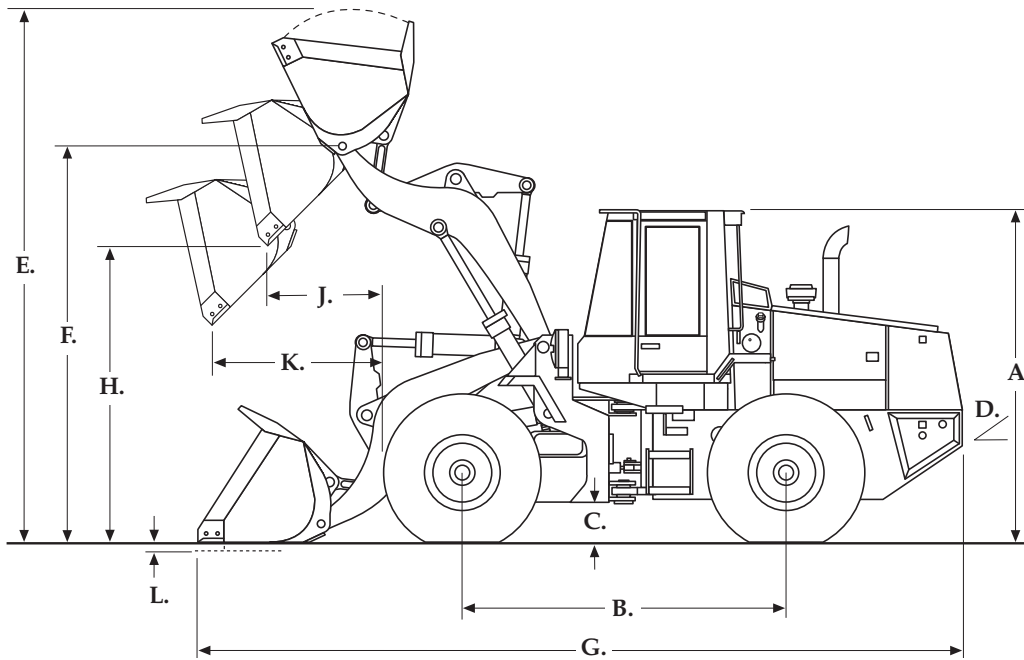
Voltage..... 24 Volts, negative ground
 Alternator..... 65 amp
 Batteries (2) 700 CCA
 Optional batteries..... (2) 900 CCA

HYDRAULICS

Pump..... Dual, vane-type tandem
 Loader/steering section
 Section displacement ... 4.85 in³/rev
 42.9 gpm @ 2200 rpm @ 2600 psi
 (163 L/min @ 2200 rpm @ 179 bar)
 Loader section
 Section displacement ... 2.08 in³/rev
 18.6 gpm @ 2200 rpm @ 2775 psi
 (70 L/min @ 2200 rpm @ 191 bar)
 Loader control valve..... Open-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 hydraulics
 22.4 to 61.5 gpm
 (85 to 233 L/min)
 Steering Hydraulic center-pivot
 articulating w/on-demand oil flow
 Flow 42.9 gpm @ 2200 rpm
 @ 2600 psi
 (163 L/min @ 2200 rpm @ 179 bar)
 Main relief pressure..... 2925 psi
 (202 bar)
 Filtration 10-micron,
 full flow replaceable
 cartridges on return line, condition
 indicator light for filter
 Oil cooler Return line

CYLINDERS

Lift cylinder
 Bore diameter..... 5.0" (127 mm)
 Rod diameter 3.0" (76 mm)
 Stroke 32.82" (834 mm)
 Dump cylinder (Z-Bar, XR)
 Bore diameter..... 6.5" (165 mm)
 Rod diameter 3.0" (76 mm)
 Stroke 21.43" (544 mm)
 Dump cylinders (XT)
 Bore diameter 4.5" (114 mm)
 Rod diameter 2.25" (57 mm)
 Stroke 39.41" (1.0 m)



DIMENSIONS

Height to –	
A. Top of ROPS cab	128.2" (3.26 m)
Top of steering wheel.....	99.9" (2.54 m)
Drawbar	40.5" (1.03 m)
B. Wheelbase.....	114" (2.9 m)
C. Ground clearance.....	16.5" (419 mm)
D. Angle of departure.....	34°
Width –	
Overall* w/o bucket	99.8" (2.53 m)
Centerline tread	78.1" (1.98 m)
Turning radius* – outside.....	206.5" (5.25 m)
Turning angle –	
From center	40°
Total angle	80°
Rear axle oscillation, total.....	24°

NOTE: *Dimensions taken with 20.5-25 12PR L2 tires. Additional dimensions on pages 3, 4.

WEIGHT ADJUSTMENTS

Select Options	Weight Adjustment	Tipping Load Adjustment Straight	Tipping Load Adjustment 40° Turn
Rated weight to adjust (see note** below)	29,553 lb (13 405 kg) ..	22,611 lb (10 256 kg)	18,773 lb (8515 kg)
4,400 lb (1996 kg) counterweight			
ILO 3,400 lb (1542 kg) ctwt. (Z-bar and XR).....	+1,000 lb (+454 kg)	+1,928 lb (+875 kg)	+1,535 lb (+696 kg)
ROPS canopy.....	-295 lb (-134 kg).....	-252 lb (-114 kg).....	-225 lb (-102 kg)
Standard batteries (2).....	-120 lb (-54 kg).....	-233 lb (-106 kg).....	-188 lb (-85 kg)
17.5-25 12PR L2 tires	-768 lb (-348 kg).....	-377 lb (-171 kg).....	-243 lb (-110 kg)
17.5-25 12PR L3 tires	-560 lb (-254 kg).....	-191 lb (-86 kg).....	-127 lb (-58 kg)
17.5-R25 XTLA tires.....	-628 lb (-285 kg).....	-143 lb (-65 kg).....	-47 lb (-21 kg)
17.5-R25 XHA tires	-404 lb (-183 kg)	+146 lb (+66 kg)	+264 lb (+120 kg)
20.5-25 12PR L3 tires	+328 lb (+149 kg)	+660 lb (+299 kg)	+716 lb (+325 kg)
20.5-25 16PR L2 tires	-21 lb (-10 kg)	+456 lb (+207 kg)	+500 lb (+227 kg)
20.5-R25 XTLA tires.....	+100 lb (+45 kg)	+97 lb (+44 kg)	+44 lb (+20 kg)
20.5-R25 XHA tires	+480 lb (+218 kg)	+536 lb (+243 kg)	+491 lb (+223 kg)
550/70R25 XLD 70-1 tires.....	+180 lb (+82 kg)	+208 lb (+94 kg)	+78 lb (+35 kg)

NOTE: **Unit equipped with Z-Bar loader arms, 2.5 yd³ (1.91 m³) general purpose pin on bucket with bolt-on edge, 20.5-25 12PR L2 tires, ROPS cab with heater, 3,400 lb (1542 kg) counterweight, heavy-duty batteries, full fuel and 175 lb (79 kg) operator. Adjust select options from rated weight.

PERFORMANCE DATA

	2.5 yd ³ (1.91 m ³)	2.5 yd ³ (1.91 m ³)	2.75 yd ³ (2.1 m ³)
	Bucket Only	Bucket w/Bolt-on Edge	Bucket Only
721C Z-Bar			
SAE bucket capacity – struck.....	2.15 yd ³ (1.64 m ³)	2.21 yd ³ (1.69 m ³)	2.34 yd ³ (1.79 m ³)
Heaped	2.5 yd ³ (1.91 m ³)	2.6 yd ³ (1.99 m ³)	2.73 yd ³ (2.09 m ³)
Bucket width – outside	103.1" (2.62 m)	103.1" (2.62 m)	103.1" (2.62 m)
Inside.....	99.5" (2.53 m)	99.5" (2.53 m)	99.5" (2.53 m)
Bucket weight	2,029 lb (920 kg)	2,522 lb (1144 kg)	2,106 lb (955 kg)
E. Operating height – fully raised w/spillguard.....	198.5" (5.04 m)	198.4" (5.03 m)	200.1" (5.08 m)
F. Hinge pin height – fully raised	150.0" (3.81 m)	150.0" (3.81 m)	150.0" (3.81 m)
G. Overall length – bucket level on ground	271.4" (6.89 m)	274.2" (6.96 m)	273.5" (6.95 m)
Dump angle – fully raised	49°	49°	49°
H. Dump height – fully raised, 45° dump	118.5" (3.01 m)	116.3" (2.95 m)	117.0" (2.97 m)
J. Bucket reach – fully raised, 45° dump.....	37.5" (953 mm)	37.8" (960 mm)	38.9" (988 mm)
K. Bucket reach – 7'0" (2.13 m) height, 45° dump	60.7" (1.54 m)	60.1" (1.53 m)	61.5" (1.56 m)
Operating load – SAE.....	9,690 lb (4395 kg)	9,386 lb (4257 kg)	9,597 lb (4353 kg)
Maximum material density – SAE	3,876 lb/yd ³ (2300 kg/m ³)	3,610 lb/yd ³ (2142 kg/m ³)	3,511 lb/yd ³ (2083 kg/m ³)
Tipping load – SAE			
Straight.....	23,222 lb (10 533 kg)	22,611 lb (10 256 kg)	23,019 lb (10 441 kg)
40° turn	19,381 lb (8791 kg)	18,773 lb (8515 kg)	19,194 lb (8706 kg)
Lift capacity –			
Full height	13,234 lb (6003 kg)	12,732 lb (5775 kg)	13,153 lb (5966 kg)
Maximum reach.....	20,326 lb (9220 kg)	19,818 lb (8989 kg)	20,234 lb (9178 kg)
Ground.....	30,657 lb (13 906 kg)	29,964 lb (13 591 kg)	30,368 lb (13 775 kg)
Breakout force – dump cylinder.....	35,005 lb (15 878 kg)	32,960 lb (14 950 kg)	33,002 lb (14 970 kg)
Maximum rollback –			
Ground.....	39°	40°	39°
Carry position	45°	45°	45°
@ Maximum reach.....	56°	56°	56°
@ Full height	62°	62°	62°
L. Dig depth.....	1.5" (38 mm)	2.8" (71 mm)	1.6" (39 mm)
Maximum grading angle w/bucket – back dragging.....	61°	61°	61°
Loader clearance circle.....	452.2" (11.49 m)	453.9" (11.53 m)	453.3" (11.51 m)
721C XR			
E. Operating height – fully raised w/spillguard.....	204.9" (5.2 m)	204.9" (5.2 m)	206.6" (5.25 m)
F. Hinge pin height – fully raised	156.5" (3.98 m)	156.4" (3.97 m)	156.5" (3.98 m)
G. Overall length – bucket level on ground	276.7" (7.03 m)	279.4" (7.1 m)	278.7" (7.08 m)
Dump angle – fully raised	49°	49°	49°
H. Dump height – fully raised, 45° dump	124.9" (3.17 m)	122.7" (3.12 m)	123.4" (3.13 m)
J. Bucket reach – fully raised, 45° dump.....	36.6" (930 mm)	37.0" (940 mm)	38.1" (968 mm)
K. Bucket reach – 7'0" (2.13 m) height, 45° dump	65.1" (1.65 m)	64.5" (1.64 m)	65.9" (1.67 m)
Operating load – SAE.....	9,064 lb (4111 kg)	8,763 lb (3975 kg)	8,974 lb (4071 kg)
Maximum material density – SAE	3,626 lb/yd ³ (2151 kg/m ³)	3,370 lb/yd ³ (2000 kg/m ³)	3,283 lb/yd ³ (1948 kg/m ³)
Tipping load – SAE			
Straight.....	21,751 lb (9866 kg)	21,147 lb (9592 kg)	21,555 lb (9777 kg)
40° turn	18,128 lb (8223 kg)	17,526 lb (7950 kg)	17,948 lb (8141 kg)
Lift capacity –			
Full height	13,524 lb (6134 kg)	13,022 lb (5907 kg)	13,443 lb (6098 kg)
Maximum reach.....	19,984 lb (9065 kg)	19,477 lb (8835 kg)	19,893 lb (9023 kg)
Ground.....	28,558 lb (12 954 kg)	27,908 lb (12 659 kg)	28,293 lb (12 833 kg)
Breakout force – dump cylinder.....	35,128 lb (15 934 kg)	33,103 lb (15 015 kg)	33,118 lb (15 022 kg)
Loader clearance circle.....	457.4" (11.62 m)	459.1" (11.66 m)	458.6" (11.65 m)
721C XT			
	2.5 yd ³ (1.91 m ³)	2.75 yd ³ (2.1 m ³)	3.0 yd ³ (2.3 m ³)
	Bucket Only*	Bucket Only*	Bucket w/Edge*
E. Operating height – fully raised w/spillguard.....	201.1" (5.11 m)	207.6" (5.27 m)	209.1" (5.31 m)
F. Hinge pin height – fully raised	152.1" (3.86 m)	152.0" (3.85 m)	152.0" (3.85 m)
G. Overall length – bucket level on ground	286.1" (7.27 m)	287.9" (7.31 m)	293.7" (7.46 m)
Dump angle – fully raised	52°	52°	52°
H. Dump height – fully raised, 45° dump	112.9" (2.87 m)	111.5" (2.83 m)	107.2" (2.72 m)
J. Bucket reach – fully raised, 45° dump	46.1" (1.17 m)	47.4" (1.2 m)	49.9" (1.27 m)
K. Bucket reach – 7'0" (2.13 m) height, 45° dump	66.9" (1.7 m)	67.5" (1.71 m)	67.6" (1.72 m)
Operating load – SAE.....	9,133 lb (4143 kg)	8,928 lb (4050 kg)	8,530 lb (3869 kg)
Maximum material density – SAE	3,341 lb/yd ³ (1982 kg/m ³)	2,979 lb/yd ³ (1767 kg/m ³)	2,602 lb/yd ³ (1544 kg/m ³)
Tipping load – SAE			
Straight.....	22,331 lb (10 129 kg)	21,910 lb (9938 kg)	21,075 lb (9560 kg)
40° turn	18,265 lb (8285 kg)	17,855 lb (8099 kg)	17,059 lb (7738 kg)
Lift capacity –			
Full height.....	12,011 lb (5448 kg)	11,757 lb (5333 kg)	11,075 lb (5024 kg)
Maximum reach.....	19,275 lb (8743 kg)	19,056 lb (8644 kg)	17,429 lb (8359 kg)
Ground.....	34,222 lb (15 523 kg)	34,321 lb (15 568 kg)	33,534 lb (15 211 kg)
Breakout force – dump cylinder.....	28,097 lb (12 745 kg)	26,673 lb (12 099 kg)	22,265 lb (10 099 kg)
Loader clearance circle.....	460.9" (11.71 m)	461.9" (11.73 m)	465.5" (11.82 m)

2.75 yd³ (2.1 m³) Bucket w/Bolt-on Edge	3.0 yd³ (2.3 m³) Bucket Only	3.0 yd³ (2.3 m³) Bucket w/Bolt-on Edge	2.5 yd³ (1.91 m³) 4 IN 1[®]/Bucket Only
2.38 yd ³ (1.82 m ³)	2.57 yd ³ (1.96 m ³)	2.63 yd ³ (2.01 m ³)	2.06 yd ³ (1.57 m ³)
2.79 yd ³ (2.13 m ³)	3.0 yd ³ (2.29 m ³)	3.1 yd ³ (2.37 m ³)	2.49 yd ³ (1.9 m ³)
103.1" (2.62 m)	103.1" (2.62 m)	103.1" (2.62 m)	103.0" (2.61 m)
99.5" (2.53 m)	99.5" (2.53 m)	99.5" (2.53 m)	99.5" (2.53 m)
2,599 lb (1179 kg)	2,315 lb (1050 kg)	2,807 lb (1273 kg)	2,950 lb (1338 kg)
200.1" (5.08 m)	203.0" (5.16 m)	203.0" (5.16 m)	202.2" (5.14 m)
150.0" (3.81 m)	150.0" (3.81 m)	150.0" (3.81 m)	150.0" (3.81 m)
276.3" (7.02 m)	276.3" (7.02 m)	279.1" (7.09 m)	273.4" (6.94 m)
49°	49°	49°	49°
114.8" (2.92 m)	115.0" (2.92 m)	112.8" (2.87 m)	116.7" (2.96 m)
39.3" (1.0 m)	40.9" (1.04 m)	41.3" (1.05 m)	35.2" (894 mm)
60.9" (1.55 m)	62.6" (1.59 m)	61.9" (1.57 m)	57.6" (1.46 m)
9,292 lb (4215 kg)	9,404 lb (4266 kg)	9,097 lb (4126 kg)	9,055 lb (4107 kg)
3,330 lb/yd ³ (1976 kg/m ³)	3,135 lb/yd ³ (1860 kg/m ³)	2,934 lb/yd ³ (1741 kg/m ³)	3,641 lb/yd ³ (2160 kg/m ³)
22,404 lb (10 162 kg)	22,602 lb (10 252 kg)	21,985 lb (9972 kg)	21,878 lb (9924 kg)
18,583 lb (8429 kg)	18,808 lb (8531 kg)	18,194 lb (8253 kg)	18,110 lb (8215 kg)
12,650 lb (5738 kg)	12,937 lb (5868 kg)	12,432 lb (5639 kg)	12,302 lb (5580 kg)
19,725 lb (8947 kg)	20,001 lb (9072 kg)	19,492 lb (8841 kg)	19,357 lb (8780 kg)
29,689 lb (13 467 kg)	29,844 lb (13 537 kg)	29,185 lb (13 238 kg)	28,839 lb (13 081 kg)
31,131 lb (14 121 kg)	30 502 lb (13 836 kg)	28,834 lb (13 079 kg)	34,865 lb (15 815 kg)
40°	39°	40°	41°
45°	45°	45°	45°
56°	56°	56°	57°
62°	62°	62°	62°
2.8" (71 mm)	1.6" (40 mm)	2.9" (72 mm)	4.5" (114 mm)
61°	61°	61°	61°
455.0" (11.56 m)	454.9" (11.55 m)	456.7" (11.6 m)	453.5" (11.52 m)
206.5" (5.25 m)	209.4" (5.32 m)	209.4" (5.32 m)	208.6" (5.3 m)
156.4" (3.97 m)	156.4" (3.97 m)	156.4" (3.97 m)	156.4" (3.97 m)
281.5" (7.15 m)	281.6" (7.15 m)	284.3" (7.22 m)	278.5" (7.07 m)
49°	49°	49°	49°
121.3" (3.08 m)	121.4" (3.08 m)	119.2" (3.03 m)	123.1" (3.13 m)
38.4" (975 mm)	40.1" (1.02 m)	40.4" (1.03 m)	34.3" (871 mm)
65.4" (1.66 m)	67.1" (1.7 m)	66.5" (1.69 m)	62.0" (1.57 m)
8,672 lb (3934 kg)	8,787 lb (3986 kg)	8,483 lb (3848 kg)	8,442 lb (3829 kg)
3,108 lb/yd ³ (1844 kg/m ³)	2,929 lb/yd ³ (1738 kg/m ³)	2,737 lb/yd ³ (1624 kg/m ³)	3,395 lb/yd ³ (2014 kg/m ³)
20,948 lb (9502 kg)	21,153 lb (9595 kg)	20,543 lb (9318 kg)	20,439 lb (9271 kg)
17,344 lb (7867 kg)	17,574 lb (7971 kg)	16,967 lb (7696 kg)	16,884 lb (7659 kg)
12,938 lb (5869 kg)	13,226 lb (5999 kg)	12,718 lb (5769 kg)	12,591 lb (5711 kg)
19,385 lb (8793 kg)	19,660 lb (8918 kg)	19,152 lb (86870 kg)	19,016 lb (8626 kg)
27,655 lb (12 544 kg)	27,806 lb (12 613 kg)	27,184 lb (12 330 kg)	26,889 lb (12 197 kg)
31,267 lb (14 183 kg)	30,610 lb (13 885 kg)	28,961 lb (13 137 kg)	35,056 lb (15 901 kg)
460.4" (11.69 m)	460.3" (11.69 m)	462.1" (11.74 m)	458.8" (11.65 m)
2.5 yd³ (1.91 m³) Bucket Only**	2.75 yd³ (2.1 m³) Bucket Only**	3.0 yd³ (2.3 m³) Bucket w/Edge**	NOTE: *XT lift arm with buckets for JRB 416 coupler. **XT lift arm with buckets for ACS Pro Series 2000 [®] size 30HD coupler. Z-Bar and XR unit equipped with 20.5-25 12PR L2 tires, ROPS cab w/heater and A/C, 4,400 lb (1996 kg) counterweight, heavy-duty batteries, front and rear fenders, full fuel and 175 lb (79 kg) operator. XT unit equipped the same except with standard batteries. Specifications per SAE J732, J1234, J695, J742 and J818.
201.7" (5.12 m)	202.4" (5.14 m)	205.9" (5.23 m)	
152.0" (3.86 m)	152.0" (3.86 m)	152.0" (3.86 m)	
283.4" (7.2 m)	285.4" (7.25 m)	290.5" (7.38 m)	
52°	52°	52°	
114.5" (2.91 m)	113.0" (2.87 m)	109.2" (2.77 m)	
42.0" (1.07 m)	43.4" (1.1 m)	45.8" (1.16 m)	
63.6" (1.62 m)	64.3" (1.63 m)	64.7" (1.64 m)	
8,742 lb (3953 kg)	8,710 lb (3951 kg)	10,251 lb (4650 kg)	
3,110 lb/yd ³ (1845 kg/m ³)	2,925 lb/yd ³ (1735 kg/m ³)	3,125 lb/yd ³ (1854 kg/m ³)	
21,358 lb (9688 kg)	21,369 lb (9693 kg)	25,263 lb (11 459 kg)	
17,428 lb (7905 kg)	17,419 lb (7901 kg)	20,502 lb (9299 kg)	
11,563 lb (5245 kg)	11,497 lb (5215 kg)	11,686 lb (5301 kg)	
19,043 lb (8638 kg)	18,956 lb (8598 kg)	10,844 lb (8185 kg)	
34,158 lb (15 494 kg)	33,941 lb (15 395 kg)	28,789 lb (13 058 kg)	
31,120 lb (14 116 kg)	29,583 lb (13 419 kg)	24,394 lb (11 065 kg)	
459.8" (11.68 m)	460.9" (11.71 m)	464.0" (11.79 m)	

INSTRUMENTATION

Electronic Information Center
Displays/Gauges –
Speedometer
Tachometer
Direction selected F-N-R
Transmission modes –
Auto shift/Manual shift
Gear selected
Gear position
Turn signal indicator
Engine coolant temperature
Engine oil pressure
Fuel level
Transmission oil temperature
Hydraulic oil temperature
Voltmeter
Hourmeter
Indicator lights –
Beacon*
Work lights
Loader control lockout
Low coolant
Brake pressure
Master indicator
Auxiliary steering*
Parking brake
Air conditioning*
Hydraulic oil filter
Transmission filter
Air filter
Audible alarms –
Caution alarm
Critical alarm
Backup alarm
Horn

NOTE: *If equipped with option.

OPERATOR ENVIRONMENT

ROPS canopy
Key start
Articulated power steering
w/tilt column
Fully adjustable, vinyl suspension
seat
Foot throttle
2-Lever loader control w/wrist rest
Cup holder
Coat hook
(2) Interior rear-view mirrors
2" (51 mm) retractable seat belt
Storage tray behind seat
Lunch box retainer strap

LOADER

Z-bar loader linkage
2-lever control for lift and tilt
Positive hold float
Automatic return-to-dig
Automatic height control
Automatic return-to-travel
Automatic self-leveling on XT
Brake pedal transmission disconnect
Bucket position indicator

CYCLE TIME

Raise w/rated bucket load..... 5.4 sec
Dump w/rated bucket load
Z-Bar, XR 1.8 sec
XT 2.0 sec
Lower (empty)
Power down 5.1 sec
Float down 4.6 sec

SERVICE CAPACITIES

Fuel tank..... 53.9 gal (204 L)
Hydraulic system
Total 40.5 gal (153.3 L)
Reservoir 23.8 gal (90.1 L)
Transmission
Service w/filter 3.25 gal (12.3 L)
Front and rear axle
Differential
Front..... 16 qt (15.1 L)
Rear 10 qt (9.5 L)
Planetaries (each)..... 6 qt (5.7 L)
Total axle
Front..... 28 qt (26.5 L)
Rear 22 qt (20.8 L)
Engine oil w/filter 22 qt (20.8 L)
Cooling system 8.5 gal (32.2 L)

OPERATING WEIGHTS

Z-Bar

Unit equipped with ROPS cab
with heater and A/C, 3,400 lb (1542 kg)
counterweight, 20.5-25 12PR L2 tires,
2.75 yd³ (2.1 m³) general purpose
loader bucket w/edge, heavy-duty
batteries, full fuel, 175 lb (79 kg)
operator 29,630 lb (13 440 kg)

XR

Unit equipped with ROPS cab
with heater and A/C, 3,400 lb (1542 kg)
counterweight, 20.5-25 12PR L2 tires,
2.75 yd³ (2.1 m³) general purpose
loader bucket w/edge, heavy-duty
batteries, full fuel, 175 lb (79 kg)
operator 29,856 lb (13 542 kg)

XT

Unit equipped with ROPS cab
with heater and A/C, 4,400 lb (1996 kg)
counterweight, 20.5-25 12PR L2 tires,
2.75 yd³ (2.1 m³) ACS loader bucket,
standard batteries, full fuel, 175 lb
(79 kg) operator.. 30,843 lb (13 990 kg)

STANDARD EQUIPMENT

OPERATOR'S COMPARTMENT

See page 5

ENGINE

Case 6T-830 diesel
Turbocharger
Automatic fan belt tensioner
Integral engine oil cooling
Fuel filter w/water trap
Air intake pre-cleaner
Dual element air cleaner
65 amp alternator
(2) 700 CCA 12-volt batteries
Liquid-cooled radiator
Non spark-arresting muffler

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
On-board diagnostics
Single lever electronic shift control
Downshift button
Torque converter
Outboard planetary axles
Limited-slip differentials
Transmission oil cooler
Brake pedal transmission disconnect
Hydraulic wet disc brakes
Electric parking brake
Limp-Home Mode
Fully pressurized lubrication

HYDRAULICS

2-spool loader control valve
Full-flow oil cooler
Flow-amplified, wide-angle steering system
(7) Diagnostic quick couplers

OTHER

Front and rear fenders
Lights –
2 Front headlights
2 Front flood
2 Front working
2 Rear tail and stop
2 Rear flood
Front and rear turn signal/flash
3,400 lb (1542 kg) counterweight
Drawbar hitch
Articulation locking bar

OPTIONAL EQUIPMENT

OPERATOR'S COMPARTMENT

Cab with –
Pressurized, air filtering
Anti-glare window strip and visor
Defroster
Cloth covered mechanical suspension seat
(2) interior rear-view mirrors
Side windows, partial/fully opening
Dome light
Wipers, rear and intermittent front
Windshield washers, front and rear
Rubber floor mat
Cloth covered air-suspension seat
3" (76 mm) retractable seat belt
Cab heater
Cab air-conditioning w/heater
Radio or radio/cassette
Radio-ready (12- or 24-volt)
Auxiliary power (12-volt)
Lighter (24-volt)
West Coast mirrors
Rotating beacon

ENGINE

Cold weather ether starting aids
Spark-arresting muffler
Engine block heater

LOADER

XR Extended Reach Loader Arms
XT Tool-Carrier Loader Arms
Hydraulic attachment coupler
Attachment auxiliary hydraulics
Loader controls –
2-spool, 1-lever
3-spool, 2-lever
3-spool, 3-lever
4-spool, 2-lever
Lever conversion kits –
To 1-, 2- or 3-lever
Buckets (see page 3, 4)

HYDRAULICS

Auxiliary hydraulics
Ride Control
Auxiliary steering
3- or 4-spool loader valves with 2- or 3- lever loader control

TIRES

17.5-25 12PR L2 bias (dirt/traction)
17.5-25 12PR L3 bias (rock)
17.5-R25 XTLA radial (dirt/traction)
17.5-R25 XHA radial (rock)
20.5-25 12PR L2 bias (dirt/traction)
20.5-25 12PR L3 bias (rock)
20.5-25 16PR L2 bias (dirt/traction)
20.5-R25 XTLA radial (dirt/traction)
20.5-R25 XHA radial (rock)
555/70R25 XLD 70-1 radial (rock)

OTHER

Heavy-duty batteries (2) 900 CCA
Counterweights
2,400 lb (1089 kg)*
4,400 lb (1996 kg)**
Armor core radiator
Special paint
Tie-down brackets

NOTE: *2,400 lb (1089 kg) counterweight not for use on XR or XT models - 1,000 lb (454 kg) subtracted from standard counterweight. **1,000 lb (454 kg) added to standard counterweight.

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

IMPORTANT: Case Corporation reserves the right to change these specifications without notice and without incurring any obligation relating to such change.

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CASE CORPORATION
700 STATE STREET
RACINE, WI 53404 U.S.A.

CASE CANADA CORPORATION
450 SHERMAN AVENUE NORTH
HAMILTON, ON L8N 4C4 CANADA