

Kawasaki
KCM

152HP | 2.8 – 3.1 yd³
BUCKET CAPACITY

168HP | 3.4 – 3.7 yd³
BUCKET CAPACITY

67 *TM⁷* / **70** *TM⁷*



ONE FOCUS. COMPLETE SOLUTIONS.

INTRODUCING A NEW E.P.I.C. GENERATION

67^{TM7}

FEATURES:

- Fuel efficient Isuzu engine
- Electronically-controlled HST
- Limited slip differentials
- Comfortable cab
- Great visibility
- Wide range of attachments

70^{TM7}

FEATURES:

- Fuel efficient Cummins engine
- Automatic 5-speed transmission
- No DPF, No Regen
- Powerful
- Flexible auto-modes
- Comfortable cab
- Great visibility
- Wide range of attachments

EFFICIENT. POWERFUL. INTELLIGENT. COMFORTABLE.

Kawasaki pioneered the Z-Link design to provide unmatched utility, high breakout force and efficiency in its loaders. The Z7 generation implements brand-new patented technology, industry exclusive innovation, and input from owners and operators all over the world. We've engineered the Z7 series from the ground up!

EFFICIENT

The HST (67TM7) powertrain automatically adjusts tractive effort and loading force, to improve operating efficiency and reduce operating costs. Automatic 5-speed transmission (70TM7) matches the appropriate speed to application demand.

POWERFUL

Custom Operating Power Modes, made available through the IntelliTech Operating System, maximize a High Engine Power Rating to provide power on demand.

INTELLIGENT

The Kawasaki IntelliTech Operating System uses logic and intelligence to adjust the operating characteristics of the loader. Our intuitive system captures every aspect of working conditions and operating demands to adjust the powertrain and hydraulics for best application requirements.

COMFORTABLE

The new Z7 operator compartment features a low-profile dash, full-length glass doors, panoramic front window and well-organized storage areas—plus much more. We have total operator comfort in mind!



DEFINING A NEW STANDARD

Kawasaki defines a new standard in utility class wheel loaders with the introduction of the 67TM7 and 70TM7—models that reflect the advanced engineering required to improve operating efficiencies while lowering operating costs through a highly intuitive, patented technology, the IntelliTech System.

IntelliTech is a family of technological innovations by Kawasaki to enhance the performance of the Z7 loader series. It is a comprehensive package of features that affects all phases of the wheel loader application.

These features use logic or intelligence to adjust the operating characteristics of the machine, sensing the working conditions and adjusting the powertrain and hydraulics to best match application or environmental requirements. Many of the IntelliTech operations are automatic, while others allow the operator to select functions appropriate for the application or work environment.

- 24-Hour Parts Service
- In House Rebuild Center
- Flexible Warranty Programs
- Custom Dealer Service Programs



KCMA provides a totally focused approach to supporting your business. From carefully designed programs and services, to engineered special options, the 67TM7 and 70TM7 wheel loaders are ready to tackle the most demanding applications and environments.



EFFICIENT.

Efficiency is getting the job done with the least amount of waste. The Z7 Series Wheel Loaders are very efficient loaders. The hydraulic system is designed for maximum performance and efficiency. The systems and controls allow for efficient operation. And servicing is efficient and reduces operating costs even further.

EFFICIENT HYDRAULICS

- Industry exclusive, open center system for better feel and response
- Fuel efficient, load sensing, piston pump hydraulics
- Excavator style system, proven performance
- Efficient, parallel linkage keeps loads level throughout lift cycle

EFFICIENT OPERATION

- Down Shift Switch allows for quick downshifting to meet operating conditions (70TM7)
- Shift Hold Button allows for holding in range to meet operating conditions (70TM7)
- AutoMode provides for automatic 1st–5th, 2nd–5th or manual for optimal operation (70TM7)
- Automatic 5-speed transmission matches the appropriate speed to application demand
- Normal and Power modes match the full range of demand
- Quick Power button allows for momentary high power demand

EFFICIENT SERVICING

- Extended lube intervals from patented HN bushings—up to 500 hours
- Extended hydraulic oil change interval—4000 hours when using KCM SuperEX46 fluid
- Extended engine oil change interval—500 hours when using required low ash, CJ-4 oil
- Accessible filters, ground level fueling, tank sight gauges, grouped grease fittings



POWERFUL.

Power and productivity are what Kawasaki loaders are famous for. The Z7 Series has moved to another level in this area. Strong, responsive engines provide the power to get the job done. Powerful hydraulics make the work easy and the productivity high.

POWERFUL HYDRAULICS

- Reliable gear pumps (67TM7)
- Reliable piston pump (70TM7)
- Excellent breakout force
- Fast, responsive
- Increased steering power

67TM7 ENGINE

- Isuzu 4HK1 Diesel engine
- 152 net horsepower
- Adapted EGR technology reduces NOx and particulate matter
- Tier 4i Certified, clean
- Reliable
- Fuel efficient
- Responsive
- Auto idle shutdown

70TM7 ENGINE

- Cummins QSB6.7 Diesel
- 168 net horsepower
- Tier 4i Certified, clean
- Reliable
- Fuel efficient
- Responsive
- Adapted EGR technology reduces NOx and particulate matter.
- Engineered with no DPF, requires no regeneration
- Auto idle shutdown



INTELLIGENT



Intelligence in a wheel loader means systems that adjust to the working conditions to improve efficiency and productivity. The IntelliTech system is a family of features that optimize the performance of the machine in any working condition.



HST

Hydrostatic Transmission (HST) automatically adjusts tractive effort and loading force, providing very smooth shifting operation. The HST also functions much like an autobrake saving wear and tear on the wet-disc brakes.

- Traction control
- Creep switch/rotary setting
 - Fine controllability in low speed
- High speed travel at low RPM
- Powerful HST brake performance
- Inching/brake pedal provides smooth deceleration, natural braking

67™

INTELLITECH SYSTEM

- Patented IntelliDig system balances rimpull force and hydraulic digging force to match conditions
- SimulLoad system allows for simultaneous actuation of lift and tilt



(l-r) Inching/Brake Pedals, Accelerator Pedal

INTELLIGENT



Model 70TM7 shown

70TM7

INTELLITECH SYSTEM

- Automatic reversible cooling fan is controlled by multiple inputs for optimum operation
- Aerodynamic fan blade design for quiet operation
- Auto idle shut down senses excessive idling and shuts down engine to reduce fuel consumption.
- Patented IntelliDig system balances Rimpull force and Hydraulic digging force to match conditions
- SimulLoad system allows for simultaneous actuation of lift and tilt



COMFORTABLE.

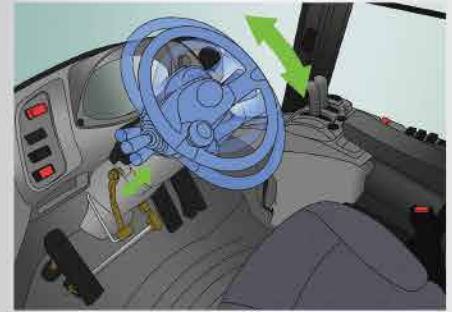
A comfortable operator is a productive operator. In the Kawasaki Z7 Series Wheel Loaders the operator comfort is outstanding. Quiet, convenient, clean, and designed for optimum operator comfort, safety, and productivity.

COMFORTABLE CAB

- Large, quiet, well-sealed ROPS cab with great visibility in all directions
- Deluxe, ergonomic air suspension seat can be equipped with heated cushions
- Tilt/telescoping steering column with pop-up pedal for convenient entry and exit
- High visibility front dash design
- Excellent ventilation from sliding side windows and full-length glass, latch-back doors
- Adjustable side console to fit operator preference
- Standard AM/FM/WB with AUX input and dual speakers
- Thermostatically controlled HVAC system for year-round climate control
- Convenient storage includes thermal storage box, cup holders, coat hook and large storage shelf



Improved Controllability. The Z7 operator compartment features a low profile dash with monochrome LCD monitor, full-length glass doors, panoramic front window, well organized storage areas, plus much more. We have total operator comfort in mind!



CONVENIENT CONTROLS

- The pilot controls, available in single or dual lever, also contain fingertip controls for the F/R button and Horn.
- The adjustable arm console contains rocker switches for convenient selection of the "Power Mode," "Dual Lift Arm Kick-Out" and optional "Ride Control."
- Side control panel can be adjusted to fit operator preference.
- 12V power outlet and 24V lighter outlet, dual interior lights



Model 67TM7 shown

SERVICE SIMPLIFIED

ACCESSIBILITY/SERVICEABILITY/DURABILITY

- Angled ladders
- Wide-access engine compartment doors, gull wing, metal
- Battery disconnect
- Easy access battery box
- Grouped lube points
- Ground level fluid check points
- Ground level fueling
- Fuse/relay panel in cab
- Autolube, optional
- HN bushings impregnated with high viscosity oil extend lubrication period to 500 hours on loader linkage pins

- Extended engine oil change interval
- Automatic reversing cooling fan, standard

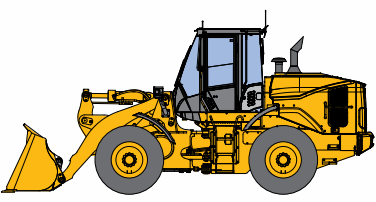
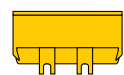
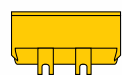
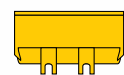
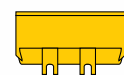


FAILURE IS NOT AN OPTION.

Kawasaki is dedicated to keeping your wheel loader up and running, even in the most challenging situations. Starting with the KLEW (Kawasaki Loaders Early Warning) Oil Analysis System, designed to eliminate unnecessary maintenance and downtime, to our 24-hour parts shipment service, and our extensive rebuild program, Kawasaki has the expertise and experience to respond quickly to your needs.

BUCKET DATA

67^{TM7} 70^{TM7}

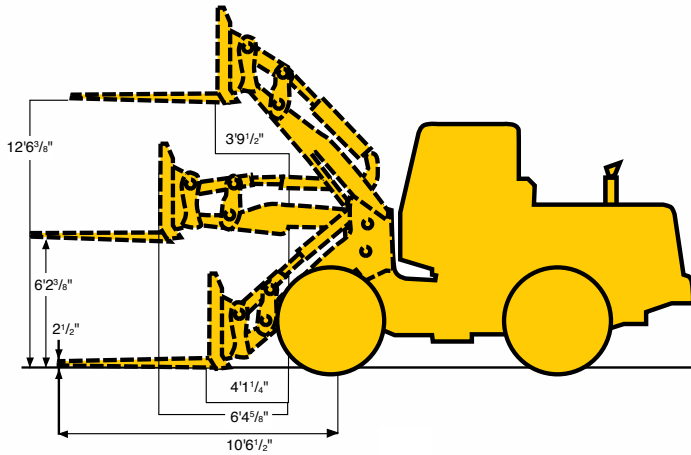
			67 ^{TM7}		70 ^{TM7}	
			Standard Boom		Standard Boom	
			Quick Coupler Bucket With Bolt-on Cutting Edge	Pin-on Bucket With Bolt-on Cutting Edge	Quick Coupler Bucket With Bolt-on Cutting Edge	Pin-on Bucket With Bolt-on Cutting Edge
						
Capacity	Heaped	yd ³ (m ³)	2.8 (2.1)	3.1 (2.4)	3.4 (2.6)	3.7 (2.8)
	Struck	yd ³ (m ³)	2.35 (1.8)	2.8 (2.1)	3.0 (2.3)	3.25 (2.5)
Maximum dumping clearance		ft-in (mm)	8'10 1/2" (2,705)	9'3" (2,820)	9'1 1/2" (2,780)	9'3 7/8" (2,840)
Dumping reach (to front of bucket edge or tooth)		ft-in (mm)	4'5 1/8" (1,350)	4'1" (1,245)	4'5 1/2" (1,360)	4'2" (1,270)
Max. hinge pin height		ft-in (mm)	13'1/4" (3,970)	13'1/4" (3,970)	13'5 3/4" (4,110)	13'5 3/4" (4,110)
Digging depth (with bucket level)		ft-in (mm)	4 3/8" (110)	4 1/8" (105)	3/4" (20)	2" (50)
Breakout force		lb (kN)	22,705 (101)	25,630 (114)	26,300 (117)	28,100 (125)
Bucket tilt-back angle	at ground level	degree	47°	47°	47°	48°
	at carry position	degree	50°	50°	53°	53°
Overall	Length	ft-in (mm)	25'8 5/8" (7,840)	25'2 3/8" (7,680)	27'1 1/4" (8,260)	26'10" (8,180)
	Height (to top of cab/ROPS)	ft-in (mm)	10'8 1/2" (3,265)	10'8 1/2" (3,265)	10'11 7/8" (3,350)	10'11 7/8" (3,350)
	Height (bucket fully raised)	ft-in (mm)	17'10" (5,435)	17'4 7/8" (5,305)	18'5 5/8" (5,630)	18'2 7/8" (5,560)
	Width (outside tire)	ft-in (mm)	8'1" (2,465)	8'1" (2,465)	8'9 1/8" (2,670)	8'1 1/8" (2,670)
	Width (outside bucket)	ft-in (mm)	8'4 3/4" (2,560)	8'4 3/4" (2,560)	8'11 1/2" (2,730)	8'11 1/2" (2,730)
Tread		ft-in (mm)	6'4" (1,930)	6'4" (1,930)	6'8 3/4" (2,050)	6'8 3/4" (2,050)
Wheel base		ft-in (mm)	9'10 1/8" (3,000)	9'10 1/8" (3,000)	10'2" (3,100)	10'2" (3,100)
Clearance Circle (bucket carry position)	at outside of bucket	ft-in (mm)	39'6" (12,040)	39'2 7/8" (11,960)	41'2 1/2" (12,560)	41'7/8" (12,520)
	at outside tire	ft-in (mm)	35'1 5/8" (10,710)	35'1 5/8" (10,710)	36'9 3/4" (11,220)	36'9 3/4" (11,220)
Minimum ground clearance		ft-in (mm)	1'5" (430)	1'5" (430)	1'6 1/8" (460)	1'6 1/8" (460)
Full articulation angle		degree	40°	40°	40°	40°
Operating weight (with ROPS cab)		lb (kg)	28,065 (12,730)	27,490 (12,470)	35,650 (16,170)	35,075 (15,910)
Static tipping load (with ROPS cab)	Straight	lb (kg)	18,140 (8,230)	19,910 (9,030)	23,500 (10,660)	25,530 (11,580)
	Full turn	lb (kg)	15,650 (7,100)	17,260 (7,830)	20,260 (9,190)	22,090 (10,020)

The weight and load figure includes counterweight, enclosed ROPS cab, air conditioner, 20.5-25-12PR (L-2) tires, full fuel tank and operator.

The weight and load figure includes counterweight, enclosed ROPS cab, air conditioner, 23.5-25-16PR (L-3) tires, full fuel tank and operator.

Materials and specifications are subject to change without notice and without obligation on the part of the manufacturer. The specifications supplied, while believed to be completely reliable, are not to be taken as warranty for which we assume legal responsibility.

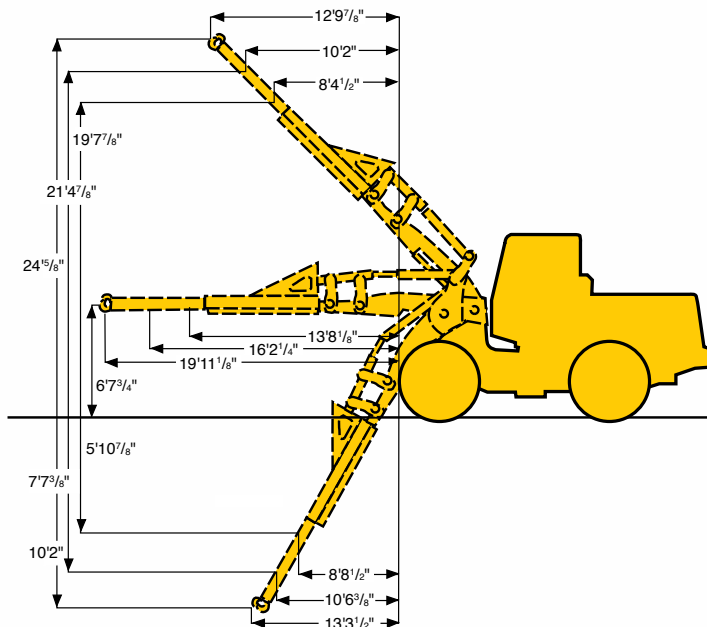
CONSTRUCTION UTILITY FORK



SPECIFICATIONS WITH FORKS

Fork Tine length		48"	60"
Ground to top of tine clearance	ft-in (mm)	12'6 ³ / ₈ " (3,820)	12'6 ³ / ₈ " (3,820)
Reach with arms horizontal and forks level	ft-in (mm)	6'4 ⁵ / ₈ " (1,945)	6'4 ⁵ / ₈ " (1,945)
Overall Length	ft-in (mm)	26'8 ⁷ / ₈ " (8,150)	27'8 ⁷ / ₈ " (8,455)
Static tipping load with level arms and forks, load center straight	lb (kg)	13,820 (6,270)	13,095 (5,940)
Static tipping load with level arms and forks, load center full 40° turn	lb (kg)	11,840 (5,370)	11,220 (5,090)
Operating weight*	lb (kg)	27,450 (12,450)	27,560 (12,500)
Attachment weight with 60" carriage	lb (kg)	1,310 (596)	1,415 (642)

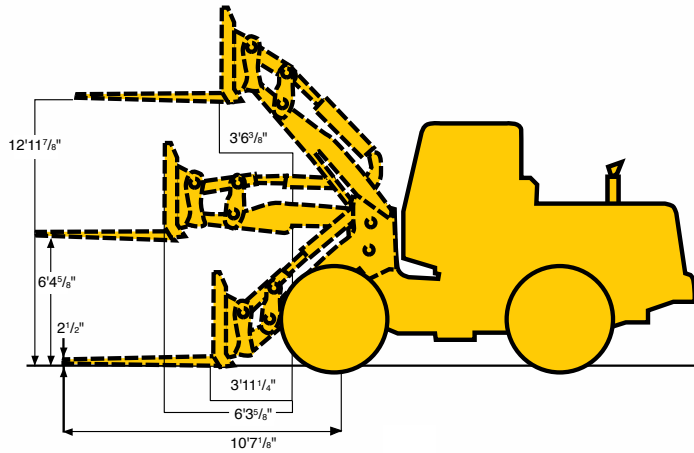
EXTENDABLE BOOM



SPECIFICATIONS WITH EXTENDABLE BOOM

Boom position		Retracted	Mid-Position	Extended	
Operating load at 40° articulation	lb (kg)	3,925 (1,780)	3,370 (1,530)	2,780 (1,260)	
Static tipping load*	Full 40° turn	lb (kg)	7,850 (3,560)	6,750 (3,060)	5,560 (2,520)
	Straight	lb (kg)	9,170 (4,160)	7,890 (3,580)	6,500 (2,950)
Overall Length	ft-in (mm)	32'4" (9,855)	34'10 ¹ / ₈ " (10,620)	38'7" (11,760)	
Operating weight*	lb (kg)	27,360 (12,410)	27,360 (12,410)	27,360 (12,410)	
Attachment weight	lb (kg)	1,210 (548)	1,210 (548)	1,210 (548)	

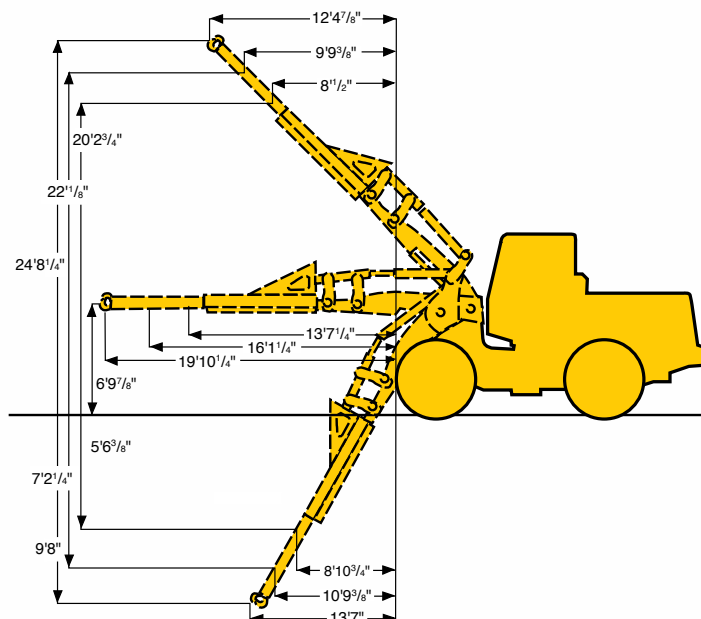
CONSTRUCTION UTILITY FORK



SPECIFICATIONS WITH FORKS

Fork Tine length		48"	60"
Ground to top of tine clearance	ft-in (mm)	12'11 ⁷ / ₈ " (3,960)	12'11 ⁷ / ₈ " (3,960)
Reach with arms horizontal and forks level	ft-in (mm)	6'3 ⁵ / ₈ " (1,920)	6'3 ⁵ / ₈ " (1,920)
Overall Length	ft-in (mm)	27'9 ⁷ / ₈ " (8,480)	28'9 ⁷ / ₈ " (8,785)
Static tipping load with level arms and forks, load center straight	lb (kg)	19,030 (8,630)	18,080 (8,200)
Static tipping load with level arms and forks, load center full 40° turn	lb (kg)	16,290 (7,390)	15,500 (7,030)
Operating weight*	lb (kg)	34,480 (15,640)	34,590 (15,690)
Attachment weight with 60° carriage	lb (kg)	1,310 (596)	1,415 (642)

EXTENDABLE BOOM



SPECIFICATIONS WITH EXTENDABLE BOOM

Boom position		Retracted	Mid-Position	Extended	
Operating load at 40° articulation	lb (kg)	5,445 (2,470)	4,700 (2,130)	3,880 (1,760)	
Static tipping load*	Full 40° turn	lb (kg)	10,890 (4,940)	9,390 (4,260)	7,780 (3,530)
	Straight	lb (kg)	12,700 (5,760)	10,960 (4,970)	9,080 (4,120)
Overall Length	ft-in (mm)	33'5 ³ / ₄ " (10,205)	35'11 ⁷ / ₈ " (10,970)	39'8 ³ / ₄ " (12,110)	
Operating weight*	lb (kg)	34,370 (15,590)	34,370 (15,590)	34,370 (15,590)	
Attachment weight	lb (kg)	1,210 (548)	1,210 (548)	1,210 (548)	

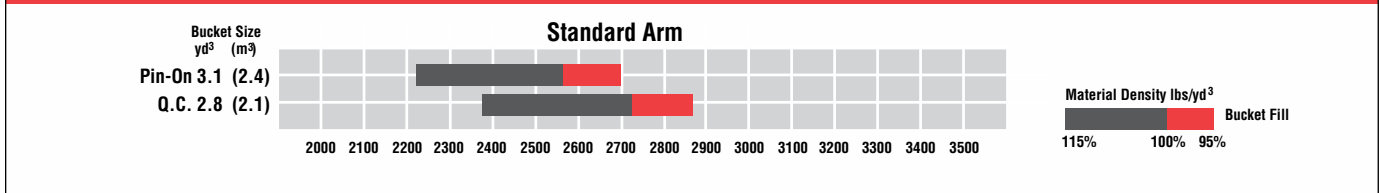
OPTIONAL EQUIPMENT SPECIFICATIONS



67TM7 WEIGHTS AND DIMENSIONS

		Operating Weight	Tipping Load			Overall Width (Outside Tire)	Overall Height	Overall Length
			Straight	Full Turn				
Tires: 20.5-25-12PR (L-3)	lb (kg)	0 (0)	0 (0)	0 (0)	in (mm)			
20.5R25 (L-2)	lb (kg)	+400 (+180)	+290 (+130)	+265 (+120)	in (mm)			
Belly guard (rear frame)	lb (kg)	+150 (+70)	+110 (+50)	+90 (+40)	in (mm)			

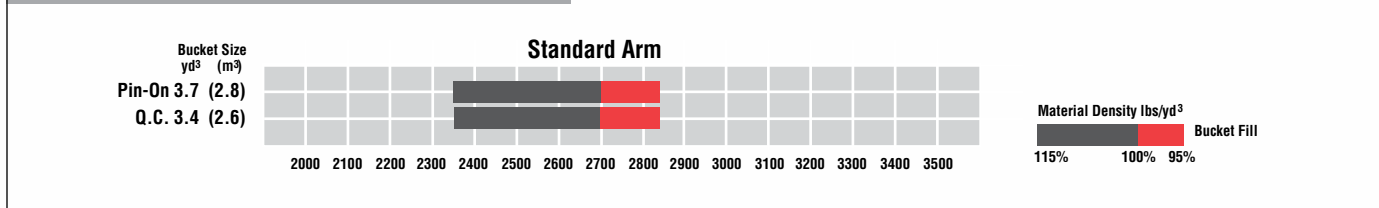
67TM7 BUCKET SELECTION CHART



70TM7 WEIGHTS AND DIMENSIONS

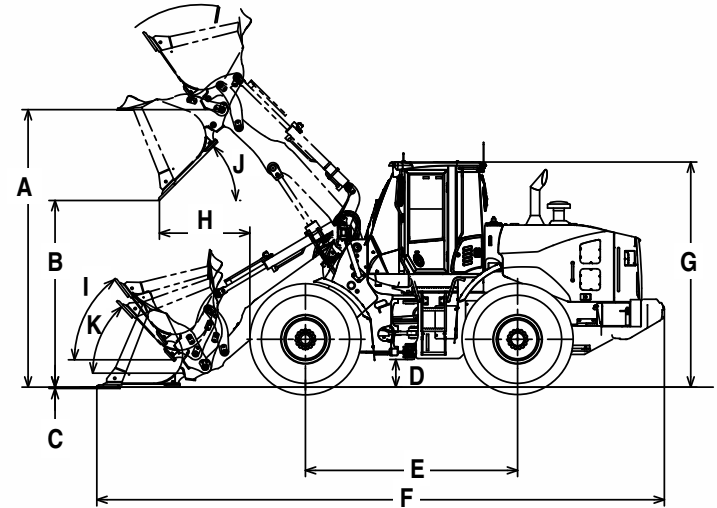
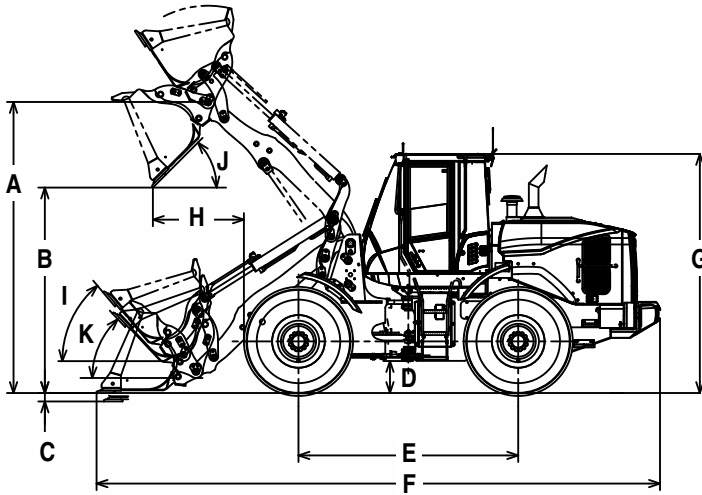
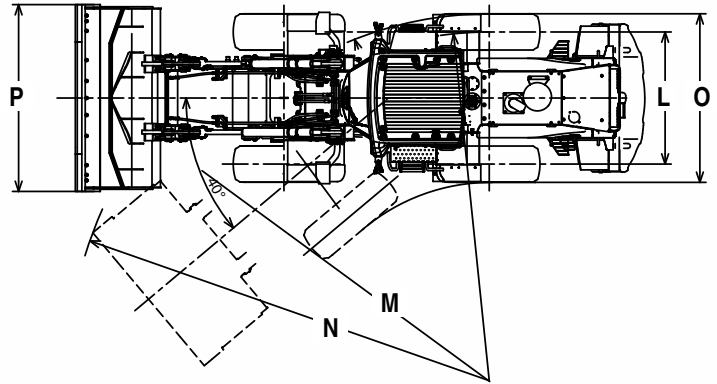
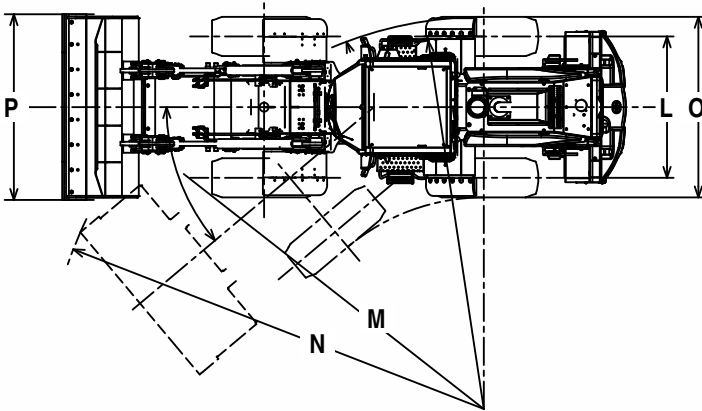
		Operating Weight	Tipping Load			Overall Width (Outside Tire)	Overall Height	Overall Length
			Straight	Full Turn				
23.5R25 (L-3)	lb (kg)	+200 (+90)	+150 (+70)	+130 (+60)	in (mm)			
Belly guard (rear frame)	lb (kg)	+150 (+70)	+110 (+50)	+90 (+40)	in (mm)			

70TM7 BUCKET SELECTION CHART



OPERATING SPECIFICATIONS

67^{TM7} 70^{TM7}



67^{TM7} DIMENSIONS

A	Hinge-pin height	13' 1/4"	3,970 mm
B	Dumping clearance	8' 10 1/2"	2,705 mm
C	Digging depth	4 3/8"	110 mm
D	Ground clearance with 20.5-25 (See tire option chart for other tires)	1' 5"	430 mm
E	Wheelbase	9' 10 1/8"	3,000 mm
F	Overall length	25' 8 5/8"	7,840 mm
G	Height to top of cab/ROPS	10' 8 1/2"	3,265 mm
H	Dumping reach	4' 5 1/8"	1,350 mm
I	Tilt-back @ carry	50°	50°
J	Dump angle @ maximum lift	45°	45°
K	Tilt-back @ ground	47°	47°
L	Tread	6' 4"	1,930 mm

Clearance Circle—All dimensions are approximate and based on 20.5-25 (L-2) tires.

M	Clearance circle to outside of tires	35' 1 5/8"	10,710 mm
N	Clearance circle to outside of bucket	39' 6"	12,040 mm
O	Width over tires	8' 1"	2,465 mm
P	Width to outside bucket	8' 4 3/4"	2,560 mm

70^{TM7} DIMENSIONS

A	Hinge-pin height	13' 5 3/4"	4,110 mm
B	Dumping clearance	9' 1 1/2"	2,780 mm
C	Digging depth	3/4"	20 mm
D	Ground clearance with 23.5-25 (See tire option chart for other tires)	1' 6 1/8"	460 mm
E	Wheelbase	10' 2"	3,100 mm
F	Overall length	27' 1 1/4"	8,260 mm
G	Height to top of cab/ROPS	10' 11 7/8"	3,350 mm
H	Dumping reach	4' 5 1/2"	1,360 mm
I	Tilt-back @ carry	53°	53°
J	Dump angle @ maximum lift	45°	45°
K	Tilt-back @ ground	47°	47°
L	Tread	6' 8 3/4"	2,050 mm

Clearance Circle—All dimensions are approximate and based on 20.5-25 (L-2) tires.

M	Clearance circle to outside of tires	36' 9 3/4"	11,220 mm
N	Clearance circle to outside of bucket	41' 2 1/2"	12,560 mm
O	Width over tires	8' 9 1/8"	2,670 mm
P	Width to outside bucket	8' 11 1/2"	2,730 mm

OPERATING SPECIFICATIONS



ENGINE (EPA Tier 4 Interim/EU Stage IIIB certified)		
	67TM7	70TM7
Gross power (SAE J1995)	154 HP/2,200 RPM (115 kW/2200RPM)	173 HP/2,200 RPM (129 kW/2200RPM)
Net Power (SAE J1349) ISO 9249	152 HP/2,200 RPM (113 kW/2200RPM)	168 HP/2,200 RPM (125 kW/2200RPM)
Make/Model	ISUZU 4HK1 diesel engine	Cummins QSB6.7 diesel engine
Type	4-cycle, water-cooled, direct injection with turbocharger and air cooled intercooler	
Fuel type	#2 Diesel (Requires ultra-low sulfur fuel.)	
Fuel injection pump	Electronically controlled, common rail type	
Governor	All speed electrical type	
Cooling module type	Hydraulic-driven, pusher-type fan, pressurized radiator	Hydraulic-driven, suction-type fan, pressurized radiator
Number of cylinders	4	6
Bore and stroke	4.53" x 4.92" (115mm x 125mm)	4.213" x 4.882" (107mm x 124mm)
Total displacement	317 in ³ (5.193 liters)	408.2 in ³ (6.69 liters)
Alternator	AC24V – 1.2 kW (50 amp)	AC24V – 1.56 kW (65 amp)
Air cleaner	Dry type (double element)	
Starter motor	DC 24V – 5.0 kW (6.7 HP)	DC 24V – 7.8 kW (10.5 HP)
Battery	12V – 80AH (662 CCA), 2 units	12V – 140AH (1,146 CCA), 2 units

TRANSMISSION		
	67TM7	70TM7
Torque Converter	(N/A)	3 elements, single-stage, 1-phase
Type	Electrically controlled 2 motor hydrostatic transmission with summation gear box	Countershaft type, full power shift
Pump	Variable-displacement, load-sensing, bi-directional, axial-piston type	(N/A)
Motors	2-Variable-displacement, bent-axis, axial-piston type	(N/A)
Cooling method	Forced circulation type	
Speeds: Forward	1st: 4.3 MPH (7.0 km/hr) 2nd: 8.0 MPH (13.0 km/hr) 3rd: 12.4 MPH (20.0 km/hr) 4th: 24.2 MPH (39.0 km/hr)	1st: 4.0 MPH (6.5 km/hr) 2nd: 7.8 MPH (12.6 km/hr) 3rd: 11.9 MPH (19.1 km/hr) 4th: 17.2 MPH (27.7 km/hr) 5th: 25.9 MPH (41.7 km/hr)
Speeds: Reverse	1st: 4.3 MPH (7.0 km/hr) 2nd: 8.0 MPH (13.0 km/hr) 3rd: 12.4 MPH (20.0 km/hr) 4th: 24.2 MPH (39.0 km/hr)	1st: 4.2 MPH (6.8 km/hr) 2nd: 8.3 MPH (13.3 km/hr) 3rd: 18.0 MPH (29.1 km/hr)

SYSTEMS REFILL CAPACITY		
	67TM7	70TM7
LOCATION	GALLONS(LITERS)	
Fuel tank (diesel fuel)	54 (205)	62.1 (235)
Engine lubricant (including oil pan)	4.8 (18)	6.6 (25)
Engine coolant	6.3 (24)	7.4 (28)
T/M gear box	2.6 (10)	5.5 (21)
Axle (front/rear)	6.6/6.6 (25/25)	8.2/9.0 (31/34)
Hydraulic oil tank	21.1 (80)	26.4 (100)
Hydraulic system (including hydraulic tank)	39.6 (150)	39.6 (150)

HYDRAULIC AND STEERING SYSTEM			
	67TM7	70TM7	
Steering type	Articulated frame steering		
Steering mechanism	Hydraulic power steering unit, direct operated type		
Lift (boom) cylinder	Two (2) double-acting piston type: 4.921" x 29.921" (125mm x 760mm)	Two (2) double-acting piston type: 4.921" x 30.118" (125mm x 765mm)	
Tilt (bucket) cylinder	Two (2) double-acting piston type: 4.331" x 39.567" (110mm x 1005mm)	Two (2) double-acting piston type: 4.331" x 37.598" (110mm x 955mm)	
Steering cylinder	Two (2) double-acting piston type: 2.559" x 16.496" (65mm x 419mm)	Two (2) double-acting piston type: 2.756" x 17.401" (70mm x 442mm)	
Main oil pump	Gear type: 50.0 GPM/2988 PSI @ 2200 RPM (189.2 LPM/20.6MPa @ 2200 RPM)	Variable piston type: 55.5 GPM/710 PSI @ 2200 RPM (210 LPM/4.9 MPa @ 2200 RPM)	
Pilot oil pump	Gear type: 11.6 GPM/2248 PSI @ 2200 RPM (44.0 LPM/15.5 MPa @ 2200 RPM)	Gear type: 9.3 GPM/566 PSI @ 2200 RPM (35.1 LPM/3.9 MPa @ 2200 RPM)	
Relief valve set pressure	Loading	2,988 psi, 20.6 MPa (210 kg/cm ²)	3,974 psi, 27.4 MPa (280 kg/cm ²)
	Steering	2,843 psi, 19.6 MPa (200 kg/cm ²)	3,684 psi, 25.4 MPa (260 kg/cm ²)

HYDRAULIC CYCLE TIME* front end loading, parallel linkage system		
	67TM7	70TM7
Lifting time (at full load)	6.7sec.	5.9 sec.
Lowering time (empty)	3.5 sec.	3.6 sec.
Bucket dumping time	3.5 sec.	2.5 sec.
TOTAL	13.7 sec.	12.0 sec.

* Measured in accordance with SAE J732C

AXLE SYSTEM		
	67TM7	70TM7
Drive system	4-wheel drive	
Front and rear axle	Semi-floating type	
Reduction and differential gear	Spiral bevel gear, limited slip, single stage reduction	
Final reduction gear	Inboard mounted, internal planetary gear	
Oscillation angle	±10°	

TIRES		
	67TM7	70TM7
	20.5-25-12PR (L-2)	23.5 x 25-12PR (L-2) (L-3)
	20.5-25-12PR (L-3)	23.5R25 (L-3)
	20.5R25* (L-2) (L-3)	

BRAKE SYSTEM		
	67TM7	70TM7
Service brakes	4-wheel, wet multiple disc brake. Controlled by full hydraulic system. Dual circuit.	
Parking/Emergency brake	Spring-applied, oil pressure-released. Located on driveline.	

STANDARD EQUIPMENT

Engine

Air cleaner, double element
Auto idle shut down
Cold start (glow plug)
Cooling fan, automatic reversible
Diesel particulate filter (exhaust filter)
EGR system

Fuel filter (main), w/water separator
Fuel pre-filter, w/water separator
Isuzu 4HK1 diesel engine
VGT (Variable Geometry Turbocharger)
Work mode selector

Powertrain

Brake, parking
Spring applied
Oil pressure released
Wet disc type
Brakes, service
Enclosed wet disc
Dual system
Inboard mounted
Coolers, wide fin spacing
Differential, limited slip (F/R)

Drive shafts, low maintenance
F-R direction selector (2-column mounted/HYD-control lever mounted)
Hydrostatic transmission
Inching pedal
Maximum speed adjuster for 1st speed
Traction control
Universal joints, sealed

Hydraulic System

Boom kick-out, dual (operator adjustable in cab)
Bucket positioner
Control lever, single, pilot-assisted
Control lever lock (electric)

Control valve, 2-spool, parallel control
Coupler, hydraulic w/lines and control
Pump, gear, fixed displacement
Steering, orbitrol

Electrical

24-volt electrical system
Back-up alarm
Batteries (2), 12V, 622 CCA
Battery disconnect switch
Converter, 12V/15 Amp
Horn, dual electric

Instrument panel, LCD, monochrome
Lights:
2 Headlights (halogen)
2 Forward working lights (halogen)
4 Rear working lights (halogen)
2 Stop/tail/backup (LED)
Turn signal w/4-way flashers/marker

Cab

ROPS cab: Enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, full view latch-back doors, sliding side windows.
Accessory outlet, 12V,
Adjustable armrest/console, (fore/aft sliding)
Air conditioner/heater/pressurizer
AM/FM/WB radio with AUX input
Ashtray
Cab dome lamps (2)
Cigarette lighter

Coat hook
Cooler box storage area
Cup holder (2)
Floor mat
Retractable seat belt (3 inch)
ROPS/FOPS certified
Seat, air suspension, fabric
Steering column, telescoping and tilting w/quick-release pedal
Storage box (heated/cooled)
Sun visor

Alarms, Gauges and Indicators

Alarms(visual & audible)
Brake oil low pressure
Engine oil low pressure
Hydraulic oil level
Overheat (engine coolant)
Steering oil low pressure

Gauges
Engine coolant temperature
Fuel gauge
HST oil temperature

Indicators
Air cleaner element
Air conditioner display
Battery discharge warning
Cold start
Control lever lock
Diesel particulate filter status
Eco-operating status
Engine warning

Fan reverse rotation
F-N-R selection
F-N-R switch enable
Fuel filter (plugged filter)
Fuel filter (water in fuel)
High beam
HST oil temperature
HST warning
Maintenance
Work mode (Normal, Power)
Parking brake
Service
Speedometer
Time/operating hour/ODO
Turn signal w/4-way flashers/marker
Work light

Others

Articulation locking bar
Counterweight
Drawbar
Fenders, front, w/mudflap
Fenders, rear, deck-type, w mudflap
Ladders, inclined
Lifting eyes

Linkage, parallel, sealed
Linkage pins, HN bushing
Neutral safety start
Rear grill, steel
Steps, rear
Vandalism protection
Quick coupler

OPTIONAL EQUIPMENT

Belly guard, transmission
Bolt-on cutting edge
Camera, rear view
Dual lever hydraulic control

Fenders, rear, full, w/mudflap
KCMA Global e-Service, telematic monitoring system (GSM-version w/4 yrs. service)

HID work lights
Hydraulic system, 3 spool valve
LED work lights
Pre-cleaner (turbine type)

Ride control, automatic
Seat, heated
Secondary steering

STANDARD EQUIPMENT

Engine

Air cleaner, double element
Auto idle shut down
Cold start (intake air heater)
Cooling fan, automatic reversible
Cummins QSB6.7 diesel engine
EGR system

Fuel filter (main)
Fuel pre-filter, w/water separator
VGT (Variable Geometry Turbocharger)
Work mode selector

Powertrain

1st speed hold switch on side console
Brake, parking
Spring applied
Oil pressure released
Dry disc type
Brakes, service
Enclosed wet disc
Dual system
Inboard mounted
Differential, limited slip (F/R)
Down-shift switch

Drive shafts, low maintenance
F-R direction selector (2-column mounted/HYD-control lever mounted)
Quick power button
Transmission, automatic w/load sensing system
Transmission declutch (3-position Level/Off/Hill)
Transmission mode selection (3-position AUTO1/MAN/AUTO2)
Universal joints, sealed

Hydraulic System

Boom kick-out, dual (operator adjustable in cab)
Bucket positioner
Control lever, single, pilot-assisted
Control lever lock (electric)
Control valve, 2-spool, parallel control

Coupler, hydraulic w/lines and control
Pumps, variable displacement, load-sensing
Steering, orbitrol
System: Open-center, high pressure, load-sensing
Valve, anti-drift

Electrical

24-volt electrical system
Back-up alarm
Batteries (2), 12V, 1,146 CCA
Battery disconnect switch
Converter, 12V/15 Amp
Horn, dual electric

Instrument panel, LCD, monochrome
Lights:
2 Headlights (halogen)
2 Forward working lights (halogen)
4 Rear working lights (halogen)
2 Stop/tail/backup (LED)
Turn signal w/4-way flashers/marker

Cab

ROPS cab: Enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, full view latch-back doors, sliding side windows.
Accessory outlet, 12V,
Adjustable armrest/console, (fore/aft sliding)
Air conditioner/heater/pressurizer
AM/FM/WB radio with AUX input
Ashtray
Cab dome lamps (2)
Cigarette lighter, 24V

Coat hook
Cooler box storage area
Cup holder (2)
Floor mat, sweep out
Retractable seat belt (3 inch)
ROPS/FOPS certified
Seat, air suspension, fabric
Steering column, telescoping and tilting w/quick-release pedal
Storage tray (heated/cooled)
Sun visor

Alarms, Gauges and Indicators

Alarms (visual & audible)
Brake oil low pressure
Engine oil low pressure
Hydraulic oil level
Overheat (engine coolant)
Steering oil low pressure
Gauges
Engine coolant temperature
Fuel gauge
Transmission oil temperature
Indicators
Air cleaner element
Air conditioner display
Axle oil temperature
Battery discharge warning
Cold start
Control lever lock
Eco-operating status
Engine warning

Fan reverse rotation
F-N-R selection
F-N-R switch enable
Fuel filter (plugged filter)
Fuel filter (water in fuel)
High beam
Maintenance
Work mode (Normal, Power)
Parking brake
Service
Shift hold
Speedometer
Time/operating hour/ODO
Transmission oil temperature
Transmission warning
Turn signal w/4-way flashers/marker
Work light

Others

Articulation locking bar
Counterweight
Drawbar
Fenders, front, w/mudflap
Fenders, rear, deck-type, w mudflap
Ladders, inclined
Lifting eyes

Linkage, parallel, sealed
Linkage pins, HN bushing
Neutral safety start
Rear grill, hinged
Steps, rear
Vandalism protection
Quick coupler

OPTIONAL EQUIPMENT

Belly guard, transmission
Bolt-on cutting edge
Camera, rear view
Dual lever hydraulic control

Fenders, rear, full, w/mudflap
KCMA Global e-Service, telematic monitoring system (GSM-version w/4 yrs. service)

HID work lights
Hydraulic system, 3 spool valve
LED work lights
Pre-cleaner (turbine type)

Ride control, automatic
Seat, heated
Secondary steering

ONE FOCUS. COMPLETE SOLUTIONS.

Kawasaki-KCM loaders have a rich heritage of quality, technology and outstanding support. The origins of Kawasaki-KCM loaders can be traced to 1962 when Kawasaki Heavy Industries built their first articulated wheel loader in Japan. As one of the largest heavy industries in Japan, Kawasaki provided a depth of engineering expertise that eventually made their wheel loader a major global player. As they introduced the wheel loader into the North American market in 1978, they found a positive reception for a productive, high quality loader. They established a solid support system built around an extensive, independent network of dealers committed to provide quality support along with quality equipment. This strong dealer network has helped to propel the Kawasaki-KCM loader to a prominent market position in North America.

In 2010 KCM Corporation, using their vast technological resources,

developed the Z7 series of wheel loaders to facilitate the Tier 4 emissions requirement. This effort resulted in the most productive, reliable and cost effective product the company has ever produced, propelling KCM Corporation into a global leadership position in the wheel loader market.

The commitment of KCMA Corporation to the North American market is significant. Outstanding parts availability, an unmatched factory component exchange program, customer and dealer training programs, and a wide range of services and programs provide outstanding support for the Kawasaki-KCM wheel loader. With manufacturing facilities in the U.S. and Japan, KCM has the experience and technology to design, engineer, manufacture and service your next wheel



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