



90Z7 Tier 4 Final Certified Bucket Capacity 4.2M³ 5.5 Yd³ Engine Net Horse Power 203Kw 272 HP Operating Weight 24,180 Kg 53,310 Lbs



WHEEL LOADER

The 90Z7 US Tier 4 Final Certified, EU Stage IV emission standard loader, defines a new standard in production class wheel loaders. KCM provides a totally focused approach to supporting your business, from carefully designed programs and services, to the most technologically advanced products, KCMA and the 90Z7 wheel loader are ready to tackle the most demanding applications and environments.





**EFFICIENT. POWERFUL.** INTELLIGENT. COMFORTABLE. PARTNERSHIP

**AT YOUR SERVICE** 

## EFFICIENT. POWERFUL.

Efficiency is getting the job done with the least amount of waste. The Z7s are very efficient loaders. The hydraulic system is designed for maximum performance and efficiency. The systems and controls allow for efficient operation. Servicing is efficient and reduces operating costs even further.

Power and productivity are what makes Kawasaki-KCM loaders famous. The Z7 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.

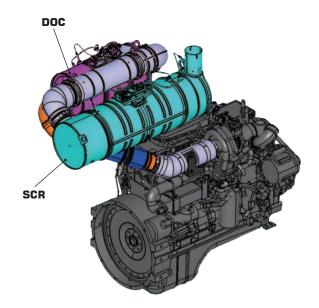


### SIMPLE EMISSIONS

The 90Z7 has one of the simplest emission systems in the industry. By eliminating the DPF, there is no need for DPF regeneration. Simple is better. Using only SCR keeps the emission system simple but effective. This is efficiency at its best.

- NO DPF
  - NO DPF regeneration
  - NO DPF plugging due to high idle time
  - NO DPF plugging due to low ambient temperatures
  - NO DPF cleaning
  - Simpler engine environment
- SCR only

All Tier 4 Final engines require DEF to reduce NOx



### **FUEL EFFICIENT**

The 90Z7 is among the most fuel efficient loaders in the market. Fuel efficiency means cost savings that are significant over the life of the machine. This fuel efficiency is achieved by use of the latest technologies and Cummins engines designed to run efficiently without loss of performance or reliability. The 90Z7 powertrain and hydraulic systems are designed to work together to minimize fuel usage and optimize energy efficiency. This critical balance in systems provides the best performance at the lowest cost.

- Piston pumps are load sensing so they provide efficient use of hydraulic power and response with the lowest horsepower demand.
- Controlled acceleration allows the 90Z7 to achieve excellent acceleration without unnecessary fuel consumption. This is achieved through sophisticated logic in the controller that allows for precise fuel delivery to match acceleration objectives.
- Transmission shift points are flexible to match working conditions to allow for the proper speed/rimpull balance to meet the job conditions.
- Fuel efficient Cummins Engines are designed to minimize fuel consumption.

### **RELIABLE CUMMINS POWER**

The Cummins diesel engine in the 90Z7 offers power and efficiency. Cummins is one of the largest diesel engine manufacturers in the world and has provided outstanding products for the wheel loader market for over 50 years.

- Proven performance and efficiency
- Reliable, long life engine
- Extensive support network throughout North America provides outstanding service



# INTELLIGENT.

Intelligence in a wheel loader refers to the programming and processes implemented to adapt to the working conditions, improving efficiency and productivity.

The KCM IntelliTech system is a family of features that optimize the performance of the loader in any working environment and application.

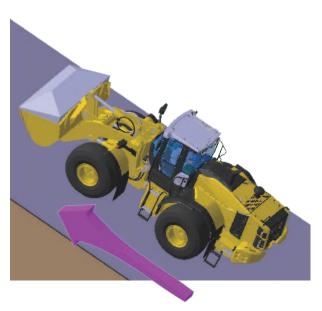


### **INTELLITECH SYSTEMS THAT ADAPT**

The advanced technology used in the 90Z7 provides systems that can adjust to working conditions to provide optimum productivity. These systems take operating information and modify powertrain and hydraulic systems to operate efficiently and effectively.

Operators can control some systems to suit their requirements while other systems adjust automatically to the conditions that the machine is experiencing.

- IntelliDig balances the rimpull force with the breakout force to provide optimum digging performance automatically
- Variable, reversible fan is aerodynamically designed for efficient airflow, with variable speed to reduce energy loss when high fan speed is not required, and is automatically reversible to keep the cores cleaner in dusty conditions for better efficiency



### **EFFICIENT OPERATION**

Efficiency is critical to increasing production and profitability. To gain optimum efficiency KCM has developed systems that optimize efficiency using demanding design standards as well as state-of-the art technology.

- Power modes for high power demands or high fuel efficiency
- Lock-up clutch for faster acceleration, better hill climbing, greater fuel efficiency
- High efficiency bucket design loads faster, retains more material, increases productivity

## OPEN CENTER LOAD-SENSING HYDRAULICS

The Z7 generation wheel loaders use open center load-sensing hydraulics, well proven in hydraulic excavators. Open center load-sensing hydraulics are more responsive than commonly found closed center hydraulics, and are more reliable. Sensors feeding the Intellitech system provide immediate feedback which operators rely on for efficiency and safety.

- Responsive operator senses load resistance
- Industry exclusive
- Reliable



## COMFORTABLE

A comfortable operator is a productive operator. In the Z7s the operator comfort is outstanding. Quiet, convenient, clean and designed for optimum operator comfort, safety, and productivity. Offering improved controllability, the Z7s offer a full color LCD multifunction instrument panel providing clear, concise information derived from the KCM IntelliTech System, including machine operation and settings.



### **COMFORT MEANS PRODUCTIVITY**

Productivity is one of the most critical factors in wheel loaders. The 90Z7 productivity is due in large part to the outstanding comfort offered to the operator in this roomy ROPs cab.

- Hydraulic controls are fingertip, pilot assisted levers. Either single or dual lever controls are available to fit the operator preference.
- Sound levels are low to reduce operator fatigue and allow the operator to monitor external noises for increased comfort and safety.
- The air suspension seat provides outstanding comfort and adjustability which keeps the operator comfortable over the entire work shift.
- Steering is done with either a conventional steering wheel with a tilting/ telescoping steering column that adjusts to fit operator preference or Joystick Steering that reduces operator fatigue and increases productivity.

A	<b>B</b>	CONVENIENCE MEANS EFFICIENCY
		Convenience is a necessity if the operator is going to be efficient. This means ergonomic design in controls, displays, and access/egress. The 90Z7 cab has several convenience features that make this machine an operator's choice.
•	•	■ Ample storage on large shelves
		$\blacksquare$ A thermal box that keeps food cool in the summer and warm in the winter
		■ Dual dome lights
		■ Dual cup holders allow for a variety of cup or thermos sizes
		Auxiliary electrical outlets for 12V or 24V provide power for radios, chargers or other accessories
E		■ Common key for the cab door and ignition
		■ Ladders, inclined for easy access and egress
		■ AM/FM/AUX radio

### **VISIBILITY MEANS SAFETY**

One of the most important safety features of the 90Z7 is the outstanding visibility in all directions. As safety becomes more critical to all operations, having the great visibility of the 90Z7 is a major operator asset. Not only does it improve safety, but when the operator feels safe, he is more productive and efficient.

- Large tinted windshield with wiper/ washer offer a panoramic view to the working area
- Rear camera monitors provide rear visibility to avoid obstructions or unsafe conditions
- Pillar-less rear window provides clear view to the back and sides of the machine for faster maneuvering
- External and Internal rearview mirrors give the operator a good view while traveling in reverse to speed cycle

## SERVICE SIMPLIFIED

Routine maintenance and servicing is efficient from start to finish. From the Global e-Service Telematics system monitoring your maintenance needs, to the easy access, ground level site gauges and fittings, the Z7 loaders are designed to simplify your maintenance management.



### **EASY ACCESS**

Serviceability and safety are engineered into every Z7 wheel loader. Maintenance programs, functions are all designed to reduce your maintenance time and expense. Our high standard for safety ensures operator confidence enabling maximum performance.

- Ladders, inclined
- Wide-access engine compartment
- Battery disconnect
- Easy access battery box
- Grouped lube points
- Ground-level fluid check points
- Ground-level fueling
- Fuse-relay panel in cab
- Autolube, optional

### **EXTENDED SERVICE**

### **Extended hydraulic and engine oil intervals**

KCM Super EX46 is a specially formulated hydraulic fluid with no zinc additive. Zinc causes a sludge buildup in oil that shortens the effective life of the oil. By using KCM Super EX46 HN Hydraulic Fluid the sludge buildup is reduced which allows for extended life, which lowers operating costs.

Using CJ4 engine oil, which is a low ash oil, allows the change intervals to be extended. By doubling the oil change interval from 250 hours to 500 hours, the time and cost of engine oil changes are cut in half.

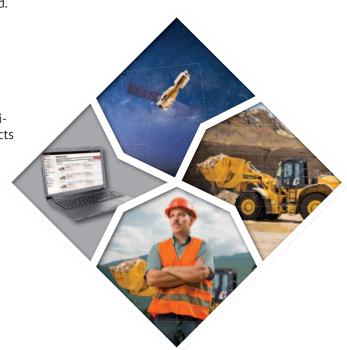
## Extended lube intervals from patented HN bushings

The patented HN™ bushings are impregnated with high viscosity oil to provide added lubrication. This allows the lubrication interval to be extended on bucket linkage pins. The lubricant is replenished every time the pin is greased.

### **TELEMATICS**

Global e-Service is the proprietary telematics system for Kawasaki-KCM loaders. This system monitors all machine systems and collects operating data and alerts, which it transmits to equipment managers, dealers and factory support staff at KCMA. This system allows for more efficient management of fleets, control of maintenance schedules and notification of alerts that can reduce downtime and operating costs.

- Location
- Hours
- Idle time
- Fuel consumption
- Alerts



Courtesy of Machine. Market

## Specifications

Model Name: 90Z7, EPA Tier 4 Final/ EU Stage IV Certified

ENGINE			
Net Power (SAE J1349) ISO 9249	272 HP/2,000 RPM (203 kW/2,000 RPM)		
Make/Model	Cummins QSL9 diesel engine		
Туре	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, suction-type fan, pressurized radiator		
Number of cylinders	6		
Bore and stroke	4.488" x 5.709" (114mm x 145mm)		
Total displacement	543 in <sup>3</sup> (8.9 liters)		
Alternator	AC 24V-2.28 kW (95A)		
Air cleaner	Dry type (double element)		
Starter motor	DC 24V-7.8 kW (10.5 HP)		
Battery	12V-108AH (1,000 CCA), 2 units		

TORQUE CONVERTER AND TRANSMISSION						
Torque converter	3-element, single-stage, 1-phase w/lock-up clutch					

	i priase Witoek ap clateri				
Transmission	Countershaft type, Full power shift				
	Normal Mode	Power Mode			
Speeds: Forward	1st: 4.1 MPH (6.6 km/hr) 2nd: 7.0 MPH (11.3 km/hr)* 3rd: 14.0 MPH (22.5 km/hr)* 4th: 22.2 MPH (35.6 km/hr)*	1st: 4.3 MPH (6.9 km/hr) 2nd: 7.3 MPH (11.8 km/hr)* 3rd: 14.0 MPH (22.2 km/hr)* 4th: 22.2 MPH (35.7 km/hr)*			
Speeds: Reverse	1st: 4.1 MPH (6.6 km/hr) 2nd: 7.0 MPH (11.3 km/hr)* 3rd: 14.0 MPH (22.5 km/hr)* 4th: 22.1 MPH	1st: 4.3 MPH (6.9 km/hr) 2nd: 7.3 MPH (11.8 km/hr)* 3rd: 14.0 MPH (22.2 km/hr)* 4th: 22.2 MPH			

<sup>(35.6</sup> km/hr)\* (
\* Indicates speed in lock-up

(35.7 km/hr)\*

GALLONS	LITERS
99	375
6.3	24
12.4	47
10.5	40
12.7/12.7	48/48
36.2	137
52.8	200
9.2	35
	99 6.3 12.4 10.5 12.7/12.7 36.2 52.8

HYDRAULIC A	ND S	TEERING SYSTEM		
Steering type		Articulated frame steering		
Steering mechanism	1	Hydraulic power steering unit, pilot operated type		
Lift (boom) cylinder		Two (2) double-acting piston type: 5.709" x 34.803" (145mm x 884mm)		
Tilt (bucket) cylinde	r	One (1) double-acting piston type: 7.087" x 20.669" (180mm x 525mm)		
Steering cylinder		Two (2) double-acting piston type: 3.543" x 17.717" (90mm x 450mm)		
Main oil pump		Variable Piston type: 79.3 GPM/1,000 PSI @2,000 RPM (300 LPM/6.9 MPa @2,000 RPM)		
Pilot oil pump		Gear type: 22.5 GPM@2,000 RPM (85 LPM @2,000 RPM)		
Relief valve Loa	iding	4,554 psi, 31.4 MPa (320 kgf/cm2)		
set pressure Ste	ering	3,974 psi, 27.4 MPa (280 kgf/cm2)		
HYDRAULIC CYCLE	ΓΙΜΕ* f	ront end loading, Z bar linkage system		
Lifting time (at full	load)	5.6 sec.		
Lowering time (emp	ty)	4.1 sec.		
Bucket dumping tim	ne	1.2 sec.		
TOTAL		10.9 sec.		

<sup>\*</sup> Measured in accordance with SAE J732C

AXLE SYSTEM	
Drive system	4-wheel drive
Front and rear axle	Semi-floating type
	26.5R25 (L-3) (L-4) (L-5) (Radial)
Tires	26.5-25-20PR (L-3) (L-4) (L-5)
	750/65R25 (L-3) (Radial)
Reduction and differential gear	Spiral bevel gear, torque proportioning, single stage reduction
Final reduction gear	Inboard mounted, internal planetary gear
Oscillation angle	±12°

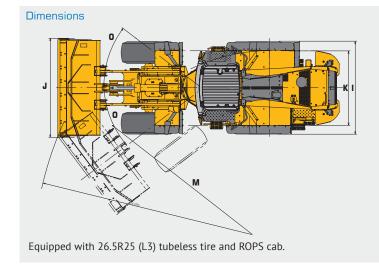
BRAKE SYSTEM						
	Service brakes	4-wheel, wet multiple disc brake. Controlled by fully hydraulic system. Dual circuit.				
	Parking/Emergency brake	Spring-applied, oil pressure-released. Located in transmission.				

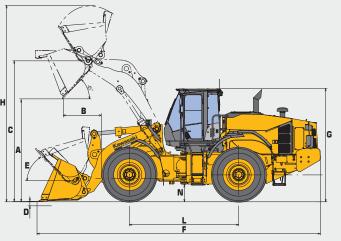
#### Remarks

- Materials and specifications are subject to change without notice and without any obligation on the part of the manufacturer.
- This information, while believed to be completely reliable, is not to be taken as warranty for which we assume legal responsibility.
- $\bullet$  Dumping clearance and reach are measured from bucket edge in accordance with SAE J732C.
- Color for model shown is this brochure is a standard Kawasaki-KCM yellow.
- Counterweight(option) should not be used with tire ballast.
- This specification sheet may contain attachments and optional equipment not available in your area.

Please contact your local KCMA dealer for additional information.

					Standard Boom		High Lift Boom
				General	Material Handling	General Purpose	
				Straight Edge With Bolt-on Cutting Edge	Straight Edge With Teeth and Segments	Straight Edge With Bolt-on Cutting Edge	Straight Edge With Bolt-on Cutting Edge
					1000000		
Capacity	Hea	aped	yd³ (m³)	5.5 (4.2)	5.5 (4.2)	6.1 (4.7)	5.5 (4.2)
арасну	Str	uck	yd³ (m³)	4.8 (3.7)	4.8 (3.7)	5.4 (4.1)	4.8 (3.7)
<b>M</b> aximum	n dun	nping clearance	ft-in (mm)	10'1 <sup>7</sup> /8" (3,095)	9'8 <sup>3</sup> /8" (2,955)	9'10 <sup>1</sup> /2" (3,010)	11'7" (3,530)
B Dumping bucket ed		h (to front of r tooth)	ft-in (mm)	4'3 <sup>5</sup> /8" (1,310)	4'8 <sup>1</sup> / <sub>8</sub> " (1,425)	4'7 <sup>1</sup> / <sub>8</sub> " (1,400)	4'5 <sup>1</sup> /8" (1,350)
: Max. hing	e pin	n height	ft-in (mm)	14'6 <sup>1</sup> / <sub>4</sub> " (4,425)	14'6 <sup>1</sup> / <sub>4</sub> " (4,425)	14'6 <sup>1</sup> / <sub>4</sub> " (4,425)	15'11 <sup>3</sup> /8" (4,860)
Digging (			ft-in (mm)	4 <sup>1</sup> / <sub>2</sub> " (115)	5 <sup>1</sup> /8" (131)	4 <sup>1</sup> / <sub>2</sub> " (115)	4 <sup>1</sup> / <sub>2</sub> " (115)
Breakout for		,	lb (kN)	44,740 (199)	44,740 (199)	41,815 (186)	44,740 (199)
Bucket tilt- back angle		at ground level at carry position	degree degree	41° 50°	41° 50°	41° 50°	41° 48°
J	F	Length	ft-in (mm)	29'7³/8" (9,025)	30'2 <sup>3</sup> /8" (9,205)	29'11 <sup>7</sup> /8" (9,140)	31' <sup>7</sup> /8" (9,470)
	G	Height (up to cab top)	ft-in (mm)	11'7" (3,530)	11'7" (3,530)	11'7" (3,530)	11'7" (3,530)
Overall	Н	Height (bucket fully raised)	ft-in (mm)	20'2 <sup>1</sup> / <sub>2</sub> " (6,160)	20'2 <sup>1</sup> / <sub>2</sub> " (6,160)	20'2 <sup>1</sup> / <sub>2</sub> " (6,160)	21'7 <sup>5</sup> /8" (6,595)
		Width (outside tire)	ft-in (mm)	9'7 <sup>3</sup> /8" (2,930)	9'7 <sup>3</sup> / <sub>8</sub> " (2,930)	9'7 <sup>3</sup> / <sub>8</sub> " (2,930)	9'7 <sup>3</sup> /8" (2,930)
		Width (outside bucket)	ft-in (mm)	10'2" (3,100)	10'2 <sup>7</sup> /8" (3,120)	10'2" (3,100)	10'2" (3,100)
<b>T</b> read		,	ft-in (mm)	7'3 <sup>3</sup> /4" (2,230)	7'3 <sup>3</sup> / <sub>4</sub> " (2,230)	7'3 <sup>3</sup> / <sub>4</sub> " (2,230)	7'3 <sup>3</sup> /4" (2,230)
. Wheel ba	se		ft-in (mm)	11'3 <sup>7</sup> /8" (3,450)	11'3 <sup>7</sup> /8" (3,450)	11'3 <sup>7</sup> /8" (3,450)	11'3 <sup>7</sup> /8" (3,450)
learance ircle		at outside of bucket	ft-in (mm)	48'1 <sup>1</sup> /2" (14,670)	48'6 <sup>5</sup> /8" (14,800)	48'4" (14,730)	49'3 <sup>3</sup> / <sub>4</sub> " (15,030)
oucket carry osition)	М	at outside of tire	ft-in (mm)	43′5¹/4″ (13,240)	43'5 <sup>1</sup> / <sub>4</sub> " (13,240)	43 <sup>'</sup> 5 <sup>1</sup> /4" (13,240)	43'5 <sup>1</sup> / <sub>4</sub> " (13,240)
I Minimum	grou	und clearance	ft-in (mm)	1'7 <sup>7</sup> /8" (505)	1'7 <sup>7</sup> /8" (505)	1'7 <sup>7</sup> /8" (505)	1'7 <sup>7</sup> /8" (505)
Full artic	ulatio	on angle	degree	37°	37°	37°	37°
perating we	eight	(with ROPS cab)	lb (kg)	53,310 (24,180)	53,420 (24,230)	54,390 (24,670)	53,880 (24,440)
tatic ipping load	Stra	aight	lb (kg)	41,490 (18,820)	41,140 (18,660)	39,330 (17,840)	34,480 (15,640)
with ROPS (ab)	Ful	l turn	lb (kg)	36,180 (16,410)	35,870 (16,270)	34,280 (15,550)	30,050 (13,630)





## Specifications

WEIGHTS AND DIME	NSIONS							
		Operating Weight	Tipping Straight	g Load Full Turn		Overall Width (Outside Tire)	Overall Height	Overall Length
Remove ROPS cab (for transport only)	lb (kg)	-1,260 (-570)	-1,040 (-470)	-900 (-410)	in (mm)			
Remove optional counterweight	lb (kg)	-1,120 (-510)	-2,670 (-1,210)	-2,340 (-1,060)	in (mm)			
Belly guard (transmission)	lb (kg)	+200 (+90)	+175 (+80)	+150 (+70)	in (mm)			
Tires: 23.5R25 (L-3)	lb (kg)	-1,345 (-610)	-990 (-450)	-860 (-390)	in (mm)	-3 <sup>3</sup> / <sub>8</sub> (-85)	-2 <sup>3</sup> / <sub>8</sub> (-60)	+2 (+50)
26.5R25 (L-4)	lb (kg)	+770 (+350)	+530 (+240)	+460 (+210)	in (mm)	+ <sup>5</sup> / <sub>8</sub> (+15)	+1 <sup>3</sup> / <sub>16</sub> (+30)	-1 (-25)
26.5R25 (L-5)	lb (kg)	+1,520 (+690)	+1,080 (+490)	+950 (+430)	in (mm)	+ <sup>5</sup> / <sub>8</sub> (+15)	+1 <sup>3</sup> / <sub>16</sub> (+30)	-1 (-25)
750/65R25 (L-3)	lb (kg)	-460 (-210)	-350 (-160)	-310 (-140)	in (mm)	+1 (+25)	-2 <sup>3</sup> / <sub>8</sub> (-60)	+2 (+50)
26.5-25-20PR (L-3)	lb (kg)	-110 (-50)	-110 (-50)	-90 (-40)	in (mm)			
26.5-25-20PR (L-4)	lb (kg)	+950 (+430)	+660 (+300)	+570 (+260)	in (mm)			
26.5-25-20PR (L-5)	lb (kg)	+ 1,740 (+790)	+1,235 (+560)	+1,080 (+490)	in (mm)			

## **BUCKET SELECTION CHART**

						Material	l density		
			y³ (m³)	1,000	1,200	1,400	1,600	1,800	2,000 (kg/m³)
Bucket capacity		MSC	6.1 (4.7)						
	STD Arm	GSC	5.5 (4.2)						
		GST	5.5 (4.2)						
Buc	High lift Arm	MSC	5.5 (4.2)						115% 100% 95% bucket full
				1,685	2,022	2,359	2,696	3,033	3,370 lb/y <sup>3</sup>

## SPECIAL APPLICATIONS

Hot Slag



- Hot Slag, Special Bucket Remote Engine shutdown
  - Fireshield Protection Package - Cabin, Hot slag

## Logging/Woodchip



- Autolube system
- Log clamp

- 3rd spool valve
- Additional counterweight

## Waste Handling/Refuse/Recycling



- Front Windshield Guard
- Belly Guard
- Wide Fin radiator
- Engine Precleaner (Turbine type)

## Equipment Data

## STANDARD EQUIPMENT

#### Engine

Air cleaner, double element	Fuel pre-filter, w/water separator			
Auto idle shut down	Rain cap			
Cold start (intake air heater)	SCR catalyst and DOC			
Cooling fan, automatic reversible	VGT (variable geometry			
Cummins QSL9 diesel engine	turbocharger)			
EGR System	Work mode selector			
Fuel filter (Main)				

#### Powertrain

Brakes, service Enclosed wet disc Dual system Inboard mounted	F-R direction selector (2-column mounted/console mounted)	
	Lock-up torque converter	
	Quick Power switch	
Brake, parking Spring applied Oil pressure released Wet disc type	Transmission, automatic w/load sensing system.	
	Transmission declutch (3-position L/H/Off)	
Differential, torque proportioning type (F/R)	Transmission mode selection (3-position AUTO1/MAN/AUTO2)	
Down-shift switch	Universal joints, sealed	
Drive shafts, low maintenance		

#### Hydraulic System

Boom kick-out, dual (operator adjustable in cab)	Pump, variable displacement, load-sensing
Bucket positioner (horizontal)	Steering, pilot
Control lever, dual, pilot-assisted	System; open-center, high-
Control lever lock (electric)	pressure, load-sensing
Control valve, 2-spool, parallel and tandem control	Valve, anti-drift

### Electrical

24-volt electrical system	Lights:	
Back-up alarm	2 Headlights (halogen)	
Batteries (2), 12V, 1,000 CCA	<ul><li>2 Forward working lights</li><li>(halogen)</li><li>4 Rear working lights (haloger</li></ul>	
Battery disconnect switch		
Camera, rear-view	2 Stop/tail/backup (LED)	
Converter, 12V/15 Amp	Turn signal w/4-way flashers/	
Horn, dual electric	marker	
Instrument panel, LCD, color		

#### Cab

ROPS cab: enclosed cab with Coat hook sound suppression, front & rear Cup holder (2) wipers and washers, two rear view Floormat, sweep-out and side mirrors, tinted glass, full view latch-back doors, sliding side Retractable seat belt (3-inch) windows. ROPS/FOPS certified Accessory outlet, 12v Seat, air suspension, fabric Adjustable armrest/console, Steering column, telescoping and (fore/aft sliding) tilting w/quick-release pedal Air conditioner/heater/pressurizer Steering wheel AM/FM/WB radio with AUX input Storage box (heated/cooled) Ashtray Storage tray Cab dome lamps (2) Sun visor Cigarette lighter, 24V

### Alarms, Gauges and Indicators

Alarms (visual & audible) Aftertreatment device Aftertreatment device regeneration system Air cleaner element Axle oil temperature Battery discharge warning Brake oil low pressure CAN network system DEF/AdBlue tank level/quality/ system Engine oil low pressure Engine trouble Engine warning Fuel filter (water in fuel) Hydraulic oil tewperature Main pump oil pressure Overheat (engine coolant) Transmission warning	Speedometer Tachometer Transmission oil temperature  Indicators  Aftertreatment device regeneration Air conditioner display Boom kick-out, dual Cold start Control lever lock Declutch ECO-Operating Status Fan reverse rotation F-N-R Selection F-N-R Switch enable
Gauges DEF/AdBlue tank level Engine coolant temperature	Turn signal w/4-way flashers/ Marker Work light Work mode (Normal, Power)

#### Others

Fuel gauge

Others		
Articulation locking bar	Lifting eyes Linkage pins, HN bushing	
Counterweight		
Drawbar	Neutral safety start	
Fenders, front, w/mudflap	Rear grill, hinged	
Fenders, rear, full, w/mudflap	Steps, rear	
KCMA Global e-service, telematic monitoring system (GSM-version w/4 yrs. service)	Vandalism protection	
	Z-bar loader linkage	
Ladders, inclined		

## **OPTIONAL EQUIPMENT**

Autolube	Counterweight, optional	Joystick steering	Seat, heated
Belly guard, transmission	HID work lights	LED work lights	Single lever hydraulic control
Bolt-on cutting edge & segments	High lift boom arm	Quick coupler & attachments	w/multifunction grip
Bucket teeth	Hydraulic system, 3 spool valve	Ride control, automatic	Secondary steering

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 loader. The KCM team is focused on wheel loaders. Flexibility, responsiveness and ease of doing business are foundations of that commitment.



## **KCMA Corporation**

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