



122HP I 2.1 – 2.5 yd³ BUCKET CAPACITY



RUGGED AND DEPENDABLE

A COMPLETE SOLUTION

- Emissions-Certified 122 HP Cummins diesel engine
- Increased power and torque
- 2.1 to 2.5 cu. yard bucket available
- Accepts a wide assortment of attachments to handle many jobs
- ► Air Conditioning, standard
- Ride Control option provides stable load handling
- Single hydraulic control is standard for easy operation
- Automatic powershift transmission with three forward and reverse speeds

- Inboard-mounted, four-wheel, dual circuit sealed wet disc brakes for reliability and long service life
- Torque-proportioning differentials for longer tire life and less wheel spin
- Engine cooling system with aluminum-type coolers for engine coolant, engine charge-air-cooler, and hydraulic cooler

EASY TO OPERATE. EASY TO MAINTAIN. EASY TO DO BUSINESS WITH.

POWER TO SPARE.

The 60ZV-2 features a ROPS cab with operator-friendly features. The operator may now customize settings and make adjustments to the loader controls to work more efficiently in the current operating conditions or environment. New features like the Dual Mode Engine Switch allow the operator to make adjustments from the comfort of the cab increasing productivity and efficiency. Options such as the Limited Slip Differentials allow the operator additional control when working the 60ZV-2 in adverse conditions.



COMFORTABLE, EFFICIENT, SAFE.

The 60ZV-2 features standard air conditioning and heater. The Air Ride seat is standard. Options such as the F-R Directional Switch, Ride control, and Cushion Dump Valve allow the operator additional ease of operation and comfort.

VERSATILE, RELIABLE, STRONG.

Like all Kawasaki loaders, the 60ZV-2 has a 45⁺ year heritage of strength and reliability.

The 60ZV-2 is available with several buckets, bucket teeth, and bolt-on cutting edge combinations. A third spool valve is available to handle a number of attachments and extend the wheel loader's versatility.

The inboard-mounted, four-wheel sealed wet disc brakes are designed for long life and high capacity. Standard spin-on filters, remote mounted grease fittings and oil drain simplify maintenance. 1-piece rims are standard equipment and can be used with either 15.5-25 or 17.5-25 tires. The optional 3-piece rims can be used with 15.5 or 17.5 tires as well.

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.



POWER AND PERFORMANCE PROVIDE UNMATCHED PRODUCTIVITY



COMPUTER CONTROLLED ENGINE

The Engine Control Module (ECM) provides a wide range of operating data and feedback to assist in analyzing diagnostics and troubleshooting. Cummins offers diagnostic tools to allow technicians to quickly recover engine information for fast, accurate analysis.

EPA Tier III emission standards are met by using the Cummins In-Cylinder Advanced Combustion Solution, a proven technology that keeps the overall design simple and less costly to maintain.

- · Extended Oil Change intervals
- Increased Peak Torque provides improved performance, better rimpull.

WORLD-CLASS ENGINES

- 122 HP Cummins QSB4.5 diesel
- Tier III Certified
- Engineered for longer service life
- Reliable and fuel efficient
- · Extensive distribution system
- 24 volt battery system for reserve power
- Turbocharger with charge-air-cooler
- 9-Pin connector offers improved engine diagnostics when using Cummins Quick-check Tool.

FUEL EFFICIENT MODE



The operator can select either "Power" or "Fuel Efficient" engine mode. Power mode provides

added power for extreme applications. Fuel Efficient mode offers better fuel economy for standard applications.

HIGH EFFICIENCY HYDRAULIC SYSTEM

- · Dry, reliable
- · Cast iron/aluminum, dirt tolerant, gear pumps
- · Easy access to two-spool control valve
- · Large oil reservoir keeps oil cooler

TRANSMISSION

- Automatic transmission
- Single lever control
- · Downshift button speeds cycle times and reduces operator fatigue

AXLES/BRAKES

- Torque Proportioned Differentials improve traction in slippery conditions
- 15.5 x 25-12PR (L-2) tires standard
- 17.5 X 25-12PR (L-2) & (L-3) tires available
- 3-piece rims available for optional 17.5 X 25-12PR (L-2) & (L-3) tires 1
- · Inboard-mounted, four-wheel, dual-circuit wet disc brakes 2
- · Easy maintenance
- High capacity
- · Long life

LIFT ARMS/BUCKETS

- · Z-linkage
- · High breakout force
- · Optional high lift arms available
- 2.1 to 2.5 cu. yd. buckets
- Easy loading
- · Excellent load retention
- · Full assortment of edges and teeth
- · Complete array of attachments available

ECONOMIC AND EFFICIENT SYSTEMS

- Hydraulic System, designed for energy efficiency with the steering flow being redirected to the loader circuit once the steering demand is met. This reduces the number of pumps and allows for full utilization of the pump's capacity for efficient operation in all conditions
- · Automatic 3-speed transmission, single grip
- · Bucket leveler and boom kick-out standard.

STRUCTURED TO LAST

- Massive center pins and bearings 3
- · Heavy channel frame rear chassis







3

THE COMFORT ZONE



ENJOY THE RIDE

- The cab provides excellent visibility in all directions
- Viscous mounting of the cab reduces vibration and noise
- Fully certified ROPS/FOPS cab meets all regulations
- Air Conditioning, standard
- Air Ride Seat, standard
- Tilting and Telescopic Steering column
- Easy access to cab on both sides of machine
- Sliding side windows
- AM/FM/CD Radio with AUX input, standard
- · Increased personal storage
- Front and Rear window wipers and washers

TOTAL COMMAND. TOTAL CONTROL.

• MODM (Machine Operation Diagnostic Module) offers information to make the operation, maintenance and troubleshooting more efficient. With this information, operators, maintenance and technical personnel can quickly determine key operating data. 2

- Downshift Button, located on the single control lever provides quick, convenient downshifting from 2nd gear to 1st gear.
- Switch activates transmission declutch on both brake pedals.
- 12V outlet for operator to use 2-way radios and other plug-in devices





ACCESSIBILITY, SERVICEABILITY, DURABILITY

- · Easy engine access with gull wing engine panels
- · Easy access to filters, drains and fittings
- Aluminum-type coolers for engine coolant, engine charge-air-cooler and hydraulic cooler
- Inboard Wet Disc Brakes, sealed, provide high capacity braking and protection from contamination. The dual brake system separates the front and rear axles for added safety.
- · Ladders on both sides of the machine
- Optional swing-open rear grille improves cleaning access





OPTIONS

QUICK COUPLER ATTACHMENT

The JRB Quick Coupler, can be used in conjunction with a variety of attachments, including:

- General-purpose buckets
- Side dump bucket
- · Construction utility forks
- Utility pallet forks
- Extendable boom
- · Paddle top clamp forks

- Grapple bucket
- Loader rake and loader rake with hydraulic clamps

RIDE CONTROL 2

- Stable load handling
- Reduces operator fatigue
- · Cuts vibration and equipment wear
- Improves safety and productivity
- · Less spillage
- Faster travel speed





With Ride Control

60ZV-2

BUCKET DATA

Color			General	General Purpose		High Lift	Super High Lift
			With Bolt-on Cutting Edge	With Teeth	With Bolt-on Cutting Edge	Material Handling w/Bolt-on Cutting Edge	Material Handling w/Bolt-on Cutting Edge
Capacity	Heaped	yd ³ (m ³)	2.2 (1.7)	2.1 (1.6)	2.5 (1.9)	2.2 (1.7)	2.2 (1.7)
	Struck	yd ³ (m ³)	2.0 (1.5)	1.8 (1.4)	2.1 (1.6)	2.0 (1.5)	2.0 (1.5)
Maximum dumpi	ng	ft-in	8' 11 ⁷ /8"	8' 8 ¹ /2"	8' 9 ⁷ /8"	10' ¹ /8"	10' 11 ⁷ /8"
clearance		(mm)	(2,740)	(2,655)	(2,690)	(3,050)	(3,350)
Dumping reach (to front	ft-in	3' 3³/₄"	3' 6 ³ /8"	3' 5 ³ /4"	3' 3 ^{15/} 16"	3' 3 ^{15/} 16"
of bucket edge o	r tooth)	(mm)	(1,010)	(1,075)	(1,060)	(1,015)	(1,015)
Bucket hinge pin	Bucket hinge pin height ft-ir		11' 8 ¹ /2"	11' 8 ¹ /2"	11' 8¹/2"	12' 8 ³ /8"	13' 8 ¹ /8"
	(mr		(3,570)	(3,570)	(3,570)	(3,870)	(4,170)
Digging depth	Digging depth ft-in (mm		3" (75)	3 ¹ /2" (90)	3" (75)	3" (75)	3" (75)
Breakout force		lb	18,500	19,800	17,200	18,500	18,500
		(kg)	(8,400)	(9,000)	(7,800)	(8,400)	(8,400)
Bucket tilt-	at ground level		45°	45°	45°	45°	45°
back angle	at carry position		50°	50°	50°	49°	48°
Overall	Length	ft-in (mm)	21' 11 ^{9/} 16" (6,695)	22' 3 ^{15/} 16" (6,805)	22' 2 ⁵ / ₁₆ " (6,765)	22' 11 ³ /8" (6,995)	23' 10 ^{3/} 16" (7,270)
Height		ft-in	10' 2 ⁵ /8"	10' 2 <i>5</i> /8"	10' 2⁵/ଃ"	10' 2 ⁵ /8"	10' 25/8"
		(mm)	(3,115)	(3,115)	(3,115)	(3,115)	(3,115)
	Width	ft-in	7' 7"	7' 7"	7' 7"	7' 7"	7' 7"
	(outside tire)	(mm)	(2,310)	(2,310)	(2310)	(2,310)	(2,310)
	Width	ft-in	8' ¹ /2"	8' ¹ /2"	8' ¹ /2"	8' ¹ /2"	8' ¹ /2"
	(outside bucket)	(mm)	(2,450)	(2,450)	(2,450)	(2,450)	(2,450)
Wheel base		ft-in (mm)	8' 10 ^{1/4} " (2,700)	8' 10 ^{1/4} " (2,700)	8' 10 ¹ /4" (2,700)	8' 10 ¹ /4" (2,700)	8' 10 ^{1/4} " (2,700)
Minimum turning radius	at outside	ft-in	17' 9 ¹ /4"	17' 10³/8"	17' 10"	18' 2¹/4"	18' 7 ⁷ /8"
	bucket	(mm)	(5,415)	(5,445)	(5,435)	(5,545)	(5,685)
	at center of outside tire	ft-in (mm)	15' 2 ⁵ /8" (4,640)	15' 2 ⁵ /8" (4,640)	15' 2 ⁵ /8" (4,640)	15' 2 ⁵ /8" (4,640)	15' 2 ⁵ /8" (4,640)
Minimum ground ft-		ft-in	1' 4"	1' 4"	1' 4"	1' 4"	1' 4"
clearance (m		(mm)	(405)	(405)	(405)	(405)	(405)
Full articulation angle deg		degree	40°	40°	40°	40°	40°
Operating weight		lb	19,975	19,850	19,985	20,050	20,185
(with ROPS Cab)		(kg)	(9,060)	(9,005)	(9,065)	(9,095)	(9,155)
Static tipping	Straight	lb	17,420	17,480	17,350	15,210	13,010
load		(kg)	(7,900)	(7,930)	(7,870)	(6,900)	(5,900)
(with ROPS	Full turn	lb	15,010	15,080	14,950	12,810	10,600
Cab)		(kg)	(6,810)	(6,840)	(6,780)	(5,810)	(4,810)

Measured in accordance with SAE J732C & J742

The weight and load figure includes optional counterweight, enclosed ROPS Cab, air conditioner, 17.5-25-12PR (L-2) tires, full fuel tank and operator.

60ZV-2

OPERATING SPECIFICATIONS

WEIGHTS AND DIMENSIONS (SUPPLEMENTAL DATA)

		\ 		,				
		Operating Weight	Tippir Straight	ng Load Full Turn	-	Overall Width (Outside Tire)	Vertical Dimensions	Overall Length
ROPS Canopy (Instead of ROPS Cab)	lb (kg)	-595 (-270)	-440 (-200)	-420 (-190)	in (mm)			
Remove ROPS Canopy and Cab (for transport only)	lb (kg)	-1,145 (-520)	-881 (-400)	-793 (-360)	in (mm)			
Remove Optional Counterweight	lb (kg)	-617 (-280)	-1,388 (-630)	-1,234 (-560)	in (mm)			
Tires:								
15.5-25-12PR (L-2)	lb (kg)	-264 (-120)	-176 (-80)	-132 (-60)	in (mm)	-2" (-50)	-1 ¹ /8" (-30)	+1 ¹ /8" (+30)
15.5-25-12PR (L-3)	lb (kg)	-132 (-60)	-44 (-20)	-22 (-10)	in (mm)	-2" (-50)	-11/8" (-30)	+1 ¹ /8" (+30)
17.5-25-12PR (L-3)	lb (kg)	+132 (+60)	+110 (+50)	+88 (+40)	in (mm)			
17.5-25-12PR (L-3) with 75% CaCl	lb (kg)	+904 (+410)	+661 (+300)	+551 (+250)	in (mm)			
Air conditioner (deduction)	lb (kg)	-154 (-70)	-132 (-60)	-110 (-50)	in (mm)			
Heater (instead of A/C)	lb (kg)	-88 (-40)	-66 (-30)	-66 (-30)	in (mm)			
Belly Guard (rear frame)	lb (kg)	+88 (+40)	+66 (+30)	+66 (+30	in (mm)			



60ZV-2

OPERATING SPECIFICATIONS

ENGINE

Gross Power (SAE J1995)	130 HP/2200 RPM
Net Power (SAE J1349)	122 HP/2200 RPM
Net Peak Torque	369 lbft./1500RPM
Make/Model/Fuel Type	Cummins/QSB4.5/Diesel
Туре	4-cycle, watercooled, in-line direct injection type with turbo charger and air-cooled intercooler
Number of cylinders	4
Bore and stroke	4.21" x 4.88" (107mm x 124mm)
Total displacement	272 in ³ (4.46 L)
Alternator	AC24V-1.7kw (70amp)
Battery	12V-65AH (470 CCA), 2 units

TORQUE CONVERTER AND TRANSMISSION

Torque converter	3 elements, single stage		
Torque stall ratio	3.27:1		
Main clutches	Wet hydraulic, multi-disc type		
Cooling method	Forced circulation type		
Transmission	Full power shift, 3 forward, 3 reverse automatic mode (2nd–3rd) with downshift switch for 2nd–1st downshifting		
Forward & reverse (maximum speed)	1st: 5.2 MPH (8.4 km/hr) 2nd: 9.7 MPH (15.6 km/hr) 3rd: 20.5 MPH (33.0 km/hr)		

SYSTEMS CAPACITY				
LOCATION	CAPACITY:	Gallons	Liters	
Engine (coolant)		6.6	(25)	
Fuel tank (diesel fuel)		46.25	(175)	
Engine oil (oil pan)		2.6	(10)	
Front axle (gear oil)		5.25	(20)	
Rear axle (gear oil)		5.25	(20)	
Torque converter and transmission (engine oil)		5.25	(20)	
Hydraulic system including tank (hydraulic oil)		26.5	(100)	
Brake oil tank (engine oil)		0.5	(2)	

HYDRAULIC AND STEERING SYSTEM Steering type Articulated frame steering Steering mechanism Hydraulic power steering (Orbitrol) Lift (boom) cylinder Two (2) double-acting piston type: 4³/₈" x 25¹/₄" (110mm x 641mm) Tilt (bucket) cylinder One (1) double-acting piston type: 4³/₄" x 18¹/₄" (120mm x 464mm) Steering cylinder Two (2) double-acting piston type: 23/8" x 16" (60mm x 405mm) Gear type: 31 GPM/1000psi @2200 RPM Main oil pump (117 LPM/70kg/cm² @2200 RPM) Pilot oil pump Gear type: 2.25 GPM/500psi @2200 RPM (8.5 LPM/36kg/cm² @2200 RPM) Relief valve Loading 3000 psi (210 kg/cm²) set pressure Steering 2490 psi (175 kg/cm2) HYDRAULIC CYCLE TIME* Lifting time (at full load) 6.0 sec. Lowering time (empty) 3.0 sec. Bucket dumping time 1.2 sec. TOTAL 10.2 sec.

* Measured in accordance with SAE J732C

AXL	AXLE SYSTEM				
Drive system		4-wheel drive			
Front and rear axle		Semi-floating banjo type			
Tires	Standard	15.5 x 25-12PR (L-2)			
	Optional	15.5 x 25-12PR (L-3) 17.5 x 25-12PR (L-2) (L-3)			
Reduction and differential gear		Spiral bevel/gear, 1 stage reduction, torque proportioning type			
Final reduction gear		Internal planetary gear (5.44:1) inboard mounted			
Oscillation angle		±12° (total 24°)			

BRAKE SYSTEM			
Service brakes	4-wheel fully hydraulic wet disc brakes with independent systems for front and rear wheels (inboard mounted)		
Parking/Emergency brake	Mechanically applied, located on front drive shaft.		



EQUIPMENT DATA

STANDARD EQUIPMENT

Air conditioner (R134 Refrigerant) Alarms (Audible): Brake Oil Level Engine Oil Pressure Parking Brake with T/M Engaged Alarms (Visual): Air Filter Battery Discharge Brake Oil Level Brake Oil Pressure Central Warning Lamp Engine Coolant Temp Engine Oil Pressure Engine Warning Parking Brake Torque Converter Oil Temperature Transmission Controller Warning Alternator (24V, 70 amp) AM/FM CD Radio with AUX Input Batteries: 12V-470CCA (2 units)

Boom Kickout Brake (Parking) Mechanical Drum type Brakes (Service) Enclosed Wet Disc. Oil Actuation. Dual System Bucket Control Lever, (Single, Pilot Assisted) Bucket Leveler Coat Hook Cold Start Aid Converter (12V/15Amp w/dash outlet) Downshift Button Drawbar Electrical System (24 volt) **Engine Coolant** Expansion Tank Fan (Blower) Fenders (Front and Rear)

Gauges: Engine Coolant Temp Fuel Level Hour Meter Hydraulic Oil Level (Sight) Speedometer Heater/Pressurizer Hoodsides (Hinged) Horn (Electric) Indicators: **Engine Pre-Heater** High Beam Parking Brake Transmission Auto Transmission Declutch Transmission Neutral Working Light Lights: 2 headlights 2 Front Working Lights 4 Rear Working Lights 2 Stop/Tail/Backup Linkage (Z-type, Sealed) Muffler Neutral Safety Start

Operator's Manual Box Radiator: Aluminum Fin Type **Radiator Grille Reverse Alarm** ROPS Cab: Enclosed cab with sound suppression. front and rear wipers and washers, one rear and two side mirrors, tinted glass, and sliding side windows Safety Articulation Locking Bar Seat. Air Ride Seat Belt. Retractable. 3" wide Shift Control Unit for Automatic Shift Steering Wheel, **Telescoping & Tilt** Torque Proportioning Differentials Transmission Declutch Select Switch Vandalism Protection Wrist Rest, Adjustable

OPTIONAL EQUIPMENT

Autolube Belly Guard Bolt-on cutting edge segments Bucket Teeth Counterweight, bucket Bucket Control Lever: Dual Cushion Dump Valve Engine Precleaner Fenders, Extra Wide Front Fenders w/mudflaps and Rear Mudflaps High Lift Arms Hydraulic System three (3) spool valve Limited Slip Differentials Quick Coupler and Attachments Ride Control ROPS Canopy Tire Rims – 3-Piece Turn Signal With Four-way Flasher



KAWASAKI KEEPS IT SIMPLE.



Since 1962, Kawasaki has been listening to and learning from customers and dealers in the field. As a result, Kawasaki wheel loaders continue to evolve, with a constant focus on one thing — producing the most durable, most efficient, most dependable machines possible.

EASY TO OPERATE.

In a world of increasing demands, tighter deadlines, shrinking budgets and complicated contracts, better efficiency and greater productivity are a must. Innovative high-tech features on all Kawasaki wheel loaders allow the operator to adapt to the environment and the application right from the cab.

EASY TO MAINTAIN.

Diagnostic and operational modules monitor fluids and filters, and constantly provide information on everything from engine and transmission codes to location, hours, alarm sensors and machine performance data.

EASY TO DO BUSINESS WITH.

No run-arounds. No layers and layers of management. No distractions from competing product lines. Wheel loaders are our only business. Got a question? We'll get you an answer. Need a part? It's on its way. Quickly. Kawasaki offers flexible warranty programs, a state-of-the-art parts distribution system, an in-house rebuild center, and an experienced, knowledgeable support staff, focused on serving you.

The independent dealers that represent and support Kawasaki loaders are experts in their markets and are dedicated to providing you with the best service available.

Together, we are committed to making your investment in a Kawasaki loader a sound business decision that will pay dividends for years to come.

KAWASAKI. ONE FOCUS. COMPLETE SOLUTIONS.





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