

Kawasaki

60Z^{IV}



Get What You Need

60Z^{IV}

The new **60Z^{IV}** offers everything you ever wanted in a wheel loader: productivity, durability, versatility. The **60Z^{IV}** has it all ... including support you can rely on ... close to home.

More Than 30 Years of Quality Wheel Loaders

Kawasaki Construction Machinery Corp. of America, a division of Kawasaki Heavy Industries, is a leading supplier of a full range of high-quality wheel loaders. With over 30 years of proven performance history, Kawasaki wheel loaders have continuously evolved to bring you the best in equipment and support services, backed by a carefully selected dealer network.

Kawasaki articulated wheel loaders incorporate innovative design features coupled with extensive knowledge and experience gained from real-world applications. Kawasaki pioneered the Z-Link design to provide unmatched utility, high breakout force and efficiency in its machines. Powered by proven, emissions-compliant Cummins diesel engines, durability and serviceability are designed into every Kawasaki loader.

Kawasaki loaders are assembled at the company's modern manufacturing facilities in Newnan, GA. Service and support operations are headquartered in Kennesaw, GA.

A state-of-the-art parts distribution system links dealers with the main parts warehouse, allowing them to order parts directly. Qualified craftsmen rebuild components for all Kawasaki models at our fully equipped rebuild center, making component exchange easier and faster. An independent oil analysis program allows monitoring of critical systems to reduce unscheduled downtime.

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.



In A Heavy-Duty Loader...

Improved Operator Comfort Means Greater Productivity

CAB

- Certified ROPS, FOPS
- Viscous isolation mounts reduce vibration
- Doors latch back
- Side windows slide down
- Tinted windshields
- Front & rear wipers and washers
- Mirrors
- Coat hook

SEAT

- Best seat in the industry
- Six-way adjustments with lumbar support
- Heavy-duty suspension
- Side bolsters

CLIMATE CONTROL

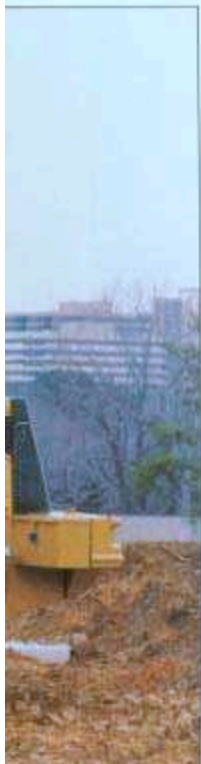
- R134A air conditioner available
- Pressurized heater, standard
- Pressurizer reduces dust, standard



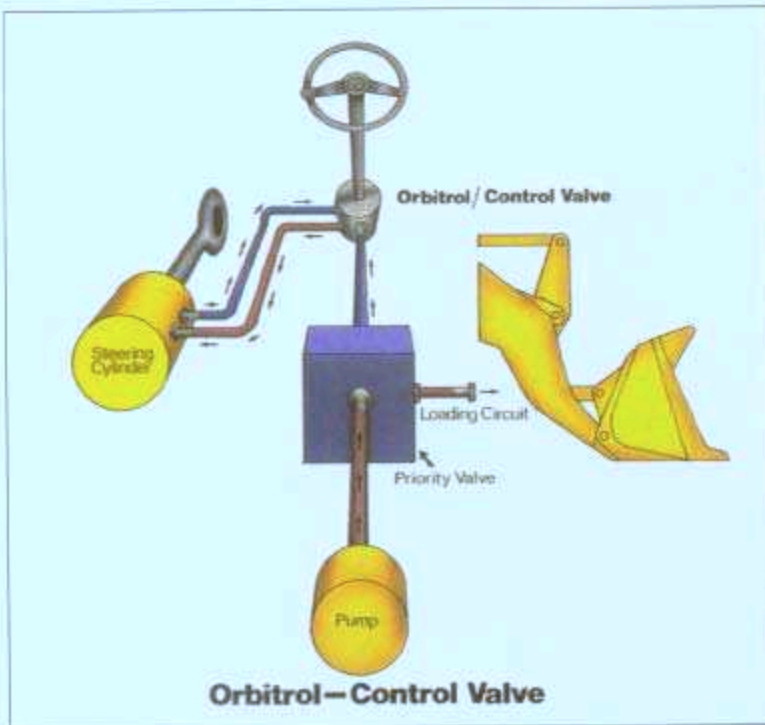
CONTROLS

- Single lever control standard
- Dual, hydraulic controls available
- Single, twist-grip transmission lever
- Low profile dash improves visibility
- Gauges include speedometer
- All systems monitored with lights and alarms
- Left brake pedal activates transmission declutch switch

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Kawasaki Powertrain Co



A HYDRAULIC SYSTEM DESIGNED FOR EFFICIENT PERFORMANCE

- Dry, reliable
- Gear pump
- Energy efficient hydraulics, steering flow supplements main system
- Easy access to two-spool control valve
- Large oil reservoir – (keeps oil cooler)

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ENGINE

- Cummins/B5.9-C Diesel
- 109 flywheel horsepower
- Fuel efficient
- Reliable
- Extensive distribution system



TRANSMISSION

- Three-speed, countershaft, powershift
- Heavy duty design increases reliability
- Large, standard SAE universal joints
- Single lever control

Components Offer Built-In Reliability

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AXLES

- Heavy-duty torque proportioning differentials
- 15.5 x 25-12PR (L2) tires standard
- 17.5 x 25 (L2 & L3) and radial tires available
- Heavy duty three piece rims, standard

BRAKES

- Wet disc brakes
- High capacity brakes
- Long life
- Sealed from elements



Kawasaki **60Z** Loaders Are Built

FRAME

- Heavy channel rear chassis
- Large center pins and bearings
- High strength loader tower

LIFT ARMS

- Heaviest in the class
- Z-linkage
- High breakout force

BUCKETS

- Rugged and durable buckets
- Box floor for rigidity
- Easy loading
- Excellent load retention
- Full assortment of edges and teeth



For Performance And Durability



**Kawasaki Delivers Service and Support...
Because You Just Don't Buy a Loader, You Live With It.**

SERVICEABILITY

- Hinged radiator grille improves access
- Engine side covers open wide for better access to engine
- Filters — easily accessible
- Grease fittings are grouped for efficient lubrication

SUPPORT

- Economical, effective, "KLEW" oil sampling system available
- Factory rebuilt component exchange program includes six month warranty
- Outstanding parts availability
- Extended powertrain warranty available
- Extensive qualified independent distribution network

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Operating Specifications

ENGINE

Make/Model/Fuel Type	Cummins/B5.9-C/Diesel
Type	4-cycle, watercooled, direct injection
Net flywheel horsepower	109HP/2400 RPM
Torque	325 ft. lbs./1600 RPM
Number of cylinders	6
Bore and stroke	4.02" x 4.72" (102mm x 120mm)
Total displacement	359 in ³ (5883 cm ³)
Alternator	DC24V - 1200w (50amp)
Starting motor	24V - 4.5kw (6HP)
Battery	12V - 65AH, 2 units
Governor	All-speed, mechanical type

TORQUE CONVERTER AND TRANSMISSION

Torque converter	3 elements, single stage
Torque stall ratio	3.02:1
Main clutches	Wet hydraulic, multi-disk type
Cooling method	Forced circulation type
Transmission	Full power shift, 3 forward, 3 reverse
Forward & reverse (maximum speed)	1st: 4.8 MPH (7.8 km/hr) 2nd: 9.5 MPH (15.3 km/hr) 3rd: 20.1 MPH (32.4 km/hr)

SERVICE REFILL CAPACITY

LOCATION	CAPACITY:	Gallons	Liters
Engine (coolant)		8.5	(32)
Fuel tank (diesel fuel)		46.25	(175)
Engine oil (oil pan)		3.75	(14.2)
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: 4 ³ / ₄ " x 25 ¹ / ₂ " (110mm x 641mm)
Tilt (bucket) cylinder	One (1) double-acting piston type: 4 ³ / ₄ " x 18 ¹ / ₂ " (120mm x 464mm)
Steering cylinder	Two (2) double-acting piston type: 2 ⁵ / ₈ " x 16" (60mm x 405mm)
Main oil pump	Gear type: 31 GPM/1000psi @2400 RPM (117 LPM/70kg/cm ² @2400 RPM)
Relief valve set pressure	Loading: 3000 psi (210 kg/cm ²) Steering: 2490 psi (175 kg/cm ²)
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 J372C


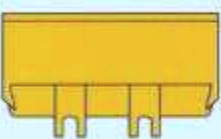
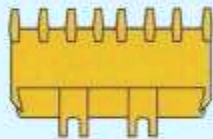
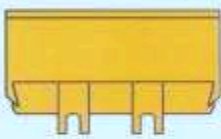
AXLE SYSTEM

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) 17.5 x 25-12PR (L-3)
Reduction and differential gear	Spiral bevel gear, 1 stage reduction, torque proportioning type
Final reduction gear	Internal planetary gear (5.625:1) inboard mounted
Oscillation angle	±12°/ 1'3 ³ / ₈ " (390mm)

BRAKE SYSTEM

Service brakes	4-wheel fully hydraulic wet disk brakes with independent systems for front and rear wheels with inching system (inboard mounted)
Parking/Emergency brake	Mechanical, located on front drive shaft.

ons and Bucket Data

			General Purpose		Material Handling
			With Bolt-on Cutting Edge	With Teeth	With Bolt-on Cutting Edge
					
Capacity	Heaped	yd ³ (m ³)	2.1 (1.6)	2.0 (1.5)	2.4 (1.8)
	Struck	yd ³ (m ³)	1.8 (1.4)	1.7 (1.3)	2.0 (1.5)
Maximum dumping clearance		ft-in (mm)	8'7 ¹ / ₈ " (2640)	8'7 ¹ / ₈ " (2555)	8'4 ¹ / ₂ " (2585)
Dumping reach (to front of bucket edge or tooth)		ft-in (mm)	3'6 ¹ / ₈ " (1070)	3'8 ⁵ / ₈ " (1135)	3'8 ¹ / ₄ " (1125)
Bucket hinge pin height		ft-in (mm)	11'4 ¹ / ₈ " (3460)	11'4 ¹ / ₈ " (3460)	11'4 ¹ / ₈ " (3460)
Digging depth		ft-in (mm)	4'1 ¹ / ₈ " (105)	4'1 ¹ / ₈ " (120)	4'1 ¹ / ₈ " (105)
Breakout force		lb (kg)	17,600 (8000)	19,000 (8600)	16,300 (7400)
Bucket tilt-back angle	at ground level		42°	42°	42°
	at carry position		51°	51°	51°
Overall	Length	ft-in (mm)	20'11 ¹ / ₄ " (6395)	21'4" (6505)	21'2 ¹ / ₈ " (6475)
	Height	ft-in (mm)	10'1 ¹ / ₂ " (3085)	10'1 ¹ / ₂ " (3085)	10'1 ¹ / ₂ " (3085)
	Width (outside tire)	ft-in (mm)	7'5" (2260)	7'5" (2260)	7'5" (2260)
	Width (outside bucket)	ft-in (mm)	8'1 ¹ / ₂ " (2450)	8'1 ¹ / ₂ " (2450)	8'1 ¹ / ₂ " (2450)
Wheel base		ft-in (mm)	8'8 ¹ / ₈ " (2650)	8'8 ¹ / ₈ " (2650)	8'8 ¹ / ₈ " (2650)
Minimum turning radius	at outside bucket	ft-in (mm)	17'6" (5335)	17'7 ¹ / ₄ " (5365)	17'6 ¹ / ₈ " (5355)
	at center of outside tire	ft-in (mm)	14'11 ¹ / ₈ " (4570)	14'11 ¹ / ₈ " (4570)	14'11 ¹ / ₈ " (4570)
Minimum ground clearance		ft-in (mm)	1'2 ¹ / ₄ " (375)	1'2 ¹ / ₄ " (375)	1'2 ¹ / ₄ " (375)
Full articulation angle		degree	40°	40°	40°
Operating weight (with ROPS Cab)		lb (kg)	18,170 (8240)	18,110 (8210)	18,240 (8270)
Static tipping load (with ROPS Cab)	Straight	lb (kg)	15,080 (6840)	15,150 (6870)	14,990 (6800)
	Full turn	lb (kg)	12,940 (5870)	13,000 (5900)	12,850 (5830)

WEIGHTS AND DIMENSIONS (SUPPLEMENTAL DATA)

	Weight	Operating	Tipping Load			Overall Width (Outside Tire)	Vertical Dimensions	Overall Length
			Straight	Full Turn				
ROPS Canopy (instead of ROPS Cab)	lb (kg)	-530 (-240)	-490 (-220)	-420 (-190)	in (mm)		-2" (-50)	
Remove ROPS Canopy and Cab (for transport only)	lb (kg)	-995 (-450)	-895 (-405)	-785 (-355)	in (mm)		-14" (-355)	
Counterweight (instead of rear tire ballast)	lb (kg)	+615 (+278)	+1180 (+535)	+1010 (+458)	in (mm)			+2" (+50)
Tires:								
17.5-25-12PR (L-2), (L-3)	lb (kg)	+200 (+90)	+130 (+60)	+110 (+50)	in (mm)	+1 ¹¹ / ₈ " (+30)	+1 ¹¹ / ₈ " (+30)	-1 ¹¹ / ₈ " (-30)
15.5-25-12PR (L-2), (L-3) with 75% CaCl ₂	lb (kg)	+925 (+420)	+1190 (+540)	+1045 (+475)	in (mm)			
17.5-25-12PR (L-2), (L-3) with 75% CaCl ₂	lb (kg)	+1410 (+640)	+1810 (+820)	+1600 (+730)	in (mm)	+1 ¹¹ / ₈ " (+30)	+1 ¹¹ / ₈ " (+30)	-1 ¹¹ / ₈ " (-30)
Air conditioner	lb (kg)	+150 (+70)	+130 (+60)	+110 (+50)	in			
Belly Guard (rear frame)	lb (kg)	+90 (+40)	+75 (+35)	+65 (+30)	in			

Base Tire 15.5-25-12PR (L-2)

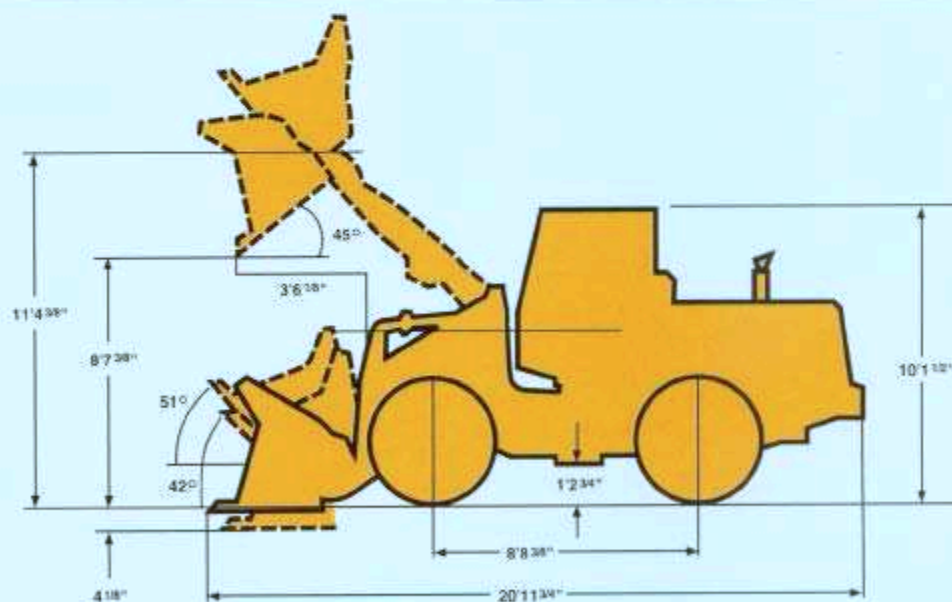
Tread 6¹/₄" (1860mm)

Width (outside tire) 7' 5" (2260mm)

Width (outside bucket) 8¹/₂" (2450mm)

Equipped with GSC bucket 2.1 yd³ with
bolt on cutting edge

15.5-25-12PR (L-2) Tire and ROPS Cab



ons and Equipment Data

STANDARD EQUIPMENT

<p>Air cleaner (Double element Donaldson)</p> <p>Alarms audible: brake fluid (level and pressure), engine oil pressure</p> <p>Alarms visual: air filter, battery discharge, brake fluid (level & Pressure), engine oil pressure, torque converter oil temperature, parking brake, coolant temperature</p> <p>Alternator: 24V-40 amp</p> <p>Batteries: two (2) 12V-65AH</p> <p>Brakes: parking — mechanical drum type</p> <p>Brakes: service — oil activation,</p>	<p>enclosed wet disc type, dual system</p> <p>Bucket control lever: single</p> <p>Bucket leveler</p> <p>Boom kickout</p> <p>Cold start aid</p> <p>Draw bar pin</p> <p>Engine side panels</p> <p>Engine coolant expansion tank</p> <p>Fenders (front and rear)</p> <p>Filtration system (replaceable cartridge)</p> <p>Frame lock</p> <p>Fuel water separator</p> <p>Gauges: speedometer, fuel level,</p>	<p>engine coolant temperature, hour meter, hydraulic fluid level sight gauge</p> <p>Heater/Pressurizer</p> <p>Horn (electric)</p> <p>Indicator light: cold start, high beam, transmission declutch, rear working light</p> <p>Ladder (access at both sides)</p> <p>Lights: two (2) headlights, two (2) rear working lights, two (2) stop & tail lights</p> <p>Linkage (Z-type sealed)</p> <p>Muffler</p> <p>Neutral start switch</p> <p>Reverse alarm</p>	<p>ROPS cab: enclosed with sound suppression, front & rear windshield wipers and washers, front working lights, rear view mirrors, tinted glass, sliding side windows</p> <p>Seat belt: 3" wide</p> <p>Seat (adjustable suspension type)</p> <p>Switches: cold start, pilot light bulb check, T/M declutch, parking brake, lights (front & rear)</p> <p>Tires: 15.5-25-12PR (L-2)</p> <p>Torque proportioning differential</p> <p>Vandalism protection</p>
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OPTIONAL EQUIPMENT

<p>Air conditioner (with heater & defroster) (R134a refrigerant)</p> <p>AM/FM cassette player</p> <p>Belly guard</p> <p>Bolt-on counterweight (590 lb)</p> <p>Bucket control lever: dual</p> <p>High altitude kit</p>	<p>Hydraulic system: three (3) spool valve, control lever, linkage & lines</p> <p>Lighting system</p> <p>No spin differential</p> <p>Precleaner</p> <p>ROPS canopy</p>	<p>ROPS rear working lights</p> <p>Tires: 15.5-25-12PR (L-3), 17.5-25-12PR (L-2), 17.5-25-12PR (L-3)</p> <p>Turn signal with four-way flasher</p>	<p>Other options:</p> <p>Cushion dump valve</p> <p>Vandalism cover for operation panel</p> <p>Quick coupler and attachments</p>
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