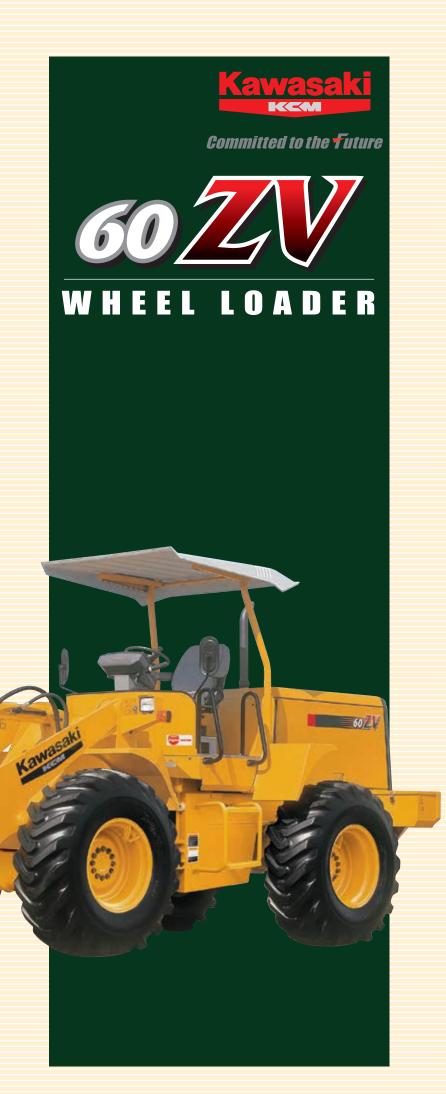
Engine Power

96_{kW (129hp)}

Operating Weight

8 ton
Bucket Capacity

1.6-1.9_{m³}



erformance that never quits...

Wheel loaders that deliver premium power... Backed by more than a half century of innovative experience...

Durability and reliability you can count on...





As the oldest on-going manufacturer of rubber tired wheel loaders in the world, KCM specializes in the design and manufacture of articulated wheel loaders.

You get a machine with a half century heritage of successful innovations.

The power and productivity that KCM wheel loaders bring to the job is a result of that experience.

KCM loaders are designed with durability to provide years of reliable service.

Backed by a dealer network of heavy equipment experts and dedicated support staff in the KCM parts and service organization, your investment in a KCM loader is an excellent choice that will pay dividends for years to come.

OWER AND PERFORMANCE PROVIDE UNMATCHED PRODUCTIVITY

INCREASED POWER +14kW

With higher engine power the machines are now more productive.

INCREASED DUMPING CLEARANCE [01]

Dumping clearance has increased by 80mm for easier loading.



Improved braking power ensures safer operation.

WET DISC SERVICE BRAKE 02

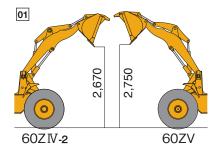
Sealed wet disc brakes provide high capacity braking and protection from contamination. The dual circuit brake system separates the front and rear axles for added safety.

Z BAR-LINK AND CENTER PIN ARTICULATION 65

As a pioneer of the Z BAR-linkage, KCM loaders provide outstanding breakout force from a simple, reliable linkage. KCM center pin design is rugged and durable, providing thousands of hours of trouble free operation.

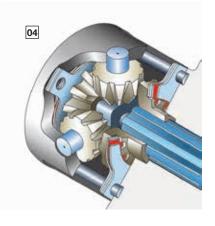












INCREASED BREAKOUT FORCE

Breakout force has increased by 3.8% for better digging ability.

INCREASED TIPPING LOAD

Tipping load has increased by 2.8% for better stability.

TPD 03

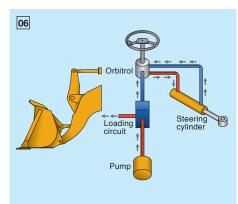
Standard Torque Proportioning Differentials (TPD) improve traction in slippery conditions.

LSD (OPT) 04

For applications with extreme traction requirements, the Limited Slip Differential option provides additional traction capability.

LOAD SENSING HYDRAULICS FOR THE STEERING SYSTEM ©

An energy efficient design of the hydraulic system allows for the steering pump flow to be merged with the loader circuit when not in use. This means full utilization of pump capacity for efficient operation in all conditions.



URABLE AND DEPENDABLE

LIFT ARMS/BUCKETS [01]

With the strongest lift arms and linkage in the industry, KCM loaders perform well in a wide variety of applications.

High breakout forces and excellent bucket rollback mean bigger loads and better load retention.

Buckets are designed for easy loading and are equipped with bolt-on heel plates for easy serviceability.

A bucket leveler is standard.

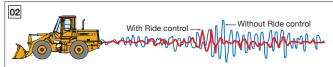


BUFFER RINGS IN HYDRAULIC CYLINDERS

The hydraulic cylinders utilize a buffer ring to improve sealing capability to reduce leakage.

RIDE CONTROL FEATURE (OPT) 02

Ride Control offers a smooth ride to improve load retention and increase travel speeds & productivity.



ASY ACCESS SIMPLIFIES SERVICING



EASY ACCESS SIMPLIFIES SERVICING

Maintenance is enhanced with the "gull-wing" engine side covers that can be fully opened for better access.

Filters are conveniently located for easy changing and grease fittings are grouped to reduce maintenance time and ensure proper lubrication.

HALOGEN HEAD LAMPS (OPT)

Front and rear working lights are bright, halogen lamps for improved safety and visibility.

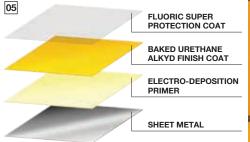
DT CONNECTORS 04

Sealed Deutsch DT electrical connectors are used throughout the system to reduce corrosion and provide a positive electrical connection.



HIGH QUALITY FINISH PAINT FOR SHEET METAL PARTS (5)

KCM's sophisticated painting process utilizes ED (Electro-deposition) primer, a baked Urethane Alkyd finish coat as well as a fluoric super protection coat for a durable and attractive finish.



SPECIAL PACKAGE

ROPS/FOPS CAB (OPT)

The operator's cab is fully certified to meet all ROPS (Rollover Protective Structure) and FOPS (Falling Object Protective Structure) regulations.

ROPS/FOPS cab with an operator's compartment that offers unmatched comfort and provides increased leg room.

Excellent visibility in all directions is enhanced with both inside and outside mirrors.

The front windshield mounted in rubber gaskets makes windshield replacement fast and easy.

Viscous mounting of the cab reduces vibration and noise.

TILT AND TELESCOPIC STEERING (OPT)

The tilt/telescopic steering column adjusts to suit a variety of operator sizes and offers greater comfort and efficiency.

HEATER AND AIR CONDITIONER (OPT)

The air conditioner/heater keeps the operator comfortable in any environment.

The high capacity vents provide adequate airflow for efficient defrosting and an even temperature distribution.

By pressurizing the cab, the climate control system keeps dust out of the cab.

DOWNSHIFT SWITCH

ELECTRICAL SINGLE SHIFT TRANSMISSION

Single, twist grip transmission shift lever is

conveniently mounted on the steering

CONTROL (OPT) 06

(**OPT**) 07

column.

The downshift switch located on the boom

control lever provides for quick, convenient downshifting from 2nd gear to 1st gear for more efficient loading.

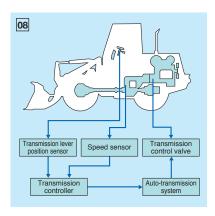


MULTI ADJUSTABLE FUNCTION OPERATOR'S SEAT

The fully adjustable suspension seat offers excellent comfort to reduce operator fatigue and increase productivity.

FULLY AUTOMATIC KAWASAKI TRANSMISSION (OPT) 08

The well proven KCM transmissions are now electronically controlled and feature a kick down function.



ONE-TOUCH OPEN-TOP RADIATOR GRILLE (OPT) 109

To facilitate cleaning the radiator, the radiator grille is fully-opened at the top, particularly useful on sites where clogging occurs and immediate cleaning is needed.





OPERATING SPECIFICATIONS

Engine

Make & model	ISUZU "BB-6BG1T" diesel engine
Туре	4-cycle, water-cooled,
	direct injection, with turbocharger
Rated power	Gross 101 kW (135 hp) /2,200 rpm
	Net 96 kW (129 hp) /2,200 rpm
Maximum torque	Net 471 N·m (48 kgf·m) /1,600 rpm
Number of cylinders	6
(bore X stroke)	105 mm X 125 mm
Total displacement	6.49 lit
Cooling type	Pusher type fan
	Pressurized radiator
Fuel injection pump	Bosch type
Governor	All-speed mechanical type
Air cleaner	Dry type (Double element)
Generator	AC 24V 1.2 kW (50 ampere)
Starter motor	DC 24V 4.5 kW(6 hp)
Batteries	DC 12V 65 Ah X 2

Transmission & Torque converter

Transmission make & type		KCM, Full power shift		
Torque converter		KCM		
make & type		3-element, one-stage, one-phase		
Traveling speed		Forward	Reverse	
	1st	8.5 km/h	8.5 km/h	
	2nd	16.0 km/h	16.0 km/h	
	3rd	34.0 km/h	34.0 km/h	
	Note	With 18.4 (L2)		

Axles & Final Drives

Туре	4-wheel drive
Axle make & type	KCM
	Semi-floating type
Differential gear	Spiral bevel gear,
	torque proportioning,
	single stage reduction
Final reduction gear	Inboard mounted,
	Internal planetary gear
Rear axle oscillation angle	±12°
Tire(standard)	18.4 (L2) Tubeless

Brake system

Ī	Service brake	4-wheel wet-disc
		Controlled by fully hydraulic system
		Dual circuits
	Parking brake	Mechanicall
		type located on front driveline

Steering system

Туре	Articulated frame steering,
	hydraulic power steering unit,
	direct operated type
Steering valve	Orbitroll
Steering angle	40° to each side

Loading system

Туре	Front end loading, Z bar linkage system			
Hydraulic cycle time	Lifting (at full load)	6.0 sec		
	Lowering (empty)	3.0 sec		
	Dumping	1.2 sec		
	Total cycle time	10.2 sec		

Hydraulic system

Oil pump	Loading &	Gear type, 117 lit/min			
	Steering pump	6.9 MPa (70 kg/cm²) @ 2,200 rpm			
Lift cylinder	type Double acting piston				
	number,bore x stroke	2 X 110 mm bore X 641 mm stroke			
Tilt cylinder	type	Double acting piston			
	number,bore x stroke	1 X 120 mm bore X 464 mm stroke			
Steering	type	Double acting piston			
cylinder	number,bore x stroke	2 X 60 mm bore X 405 mm stroke			
Relief set	Control valve	20.6 MPa (210 kg/cm²)			
pressure	Steering valve	17.2 MPa (175 kg/cm²)			

Service refill

Fuel tank	175 lit
Engine lubricant (including oil pan)	13 lit
Engine cooling water	47 lit
T/M & T/C	20 lit
Axle front/rear	40 lit
Brake equipment	2 lit
Hydraulic system (including oil tank)	100 lit

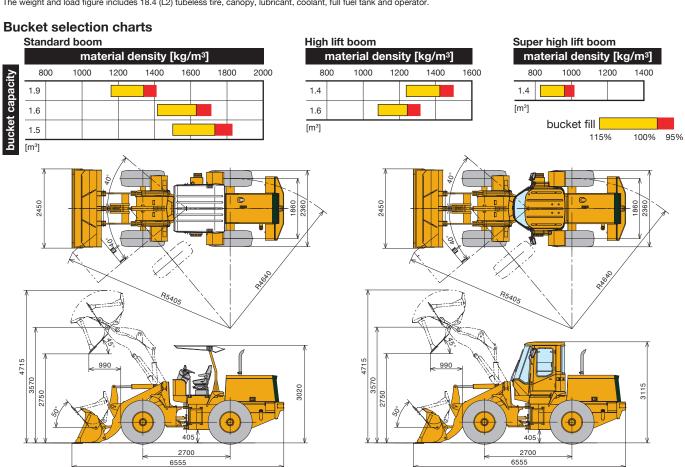
Weight change

Option item		Operating	Tipping load(kg)		Overall width(mm)	Overall height(mm)	Tread	Overall length(mm)	
		weight(kg)	Straight	Full turn	(outside tire)	Overall neight(min)	rread	Overall length(IIIII)	
ROPS/	FOPS cab	+470	+360	+320	- +95		-	-	
Open F	ROPS/FOPS canopy	+200	+160	+130	-	+95	-	-	
Enclosed steel cab		+300	+250	+200	-	+95	-	-	
Removal open canopy		-50	-40	-40	-	-130	-	-	
Tires 17.5-25-12PR (L2)		+160	+120	+100	-50	±0	-40	±0	
Tiles	18.4-24-10PR (L2)	±0	±0	±0	±0	±0	±0	±0	
Air conditioner		+70	+60	+50	-	-	-	-	
Additional counter weight		+310	+690	+590	-	-	-	+50	

Bucket

·			Standard boom			High lif	t boom	Super high lift boo	
			General purpose		Light material	Light material	Loose material	Light materia	
			Bolt-on edges	Teeth	Bolt-on edges	Bolt-on edges	Bolt-on edges	Bolt-on edge	
			GSC	GST	LSC	GSC	HSC	HSC	
				10000000					
Bucket capacity	heaped	m ³	1.6	1.5	1.9	1.6	1.4	1.4	
	struck	m ³	1.4	1.3	1.7	1.4	1.2	1.2	
Max. dumping clearance		mm	2,750	2,680	2,640	3,055	3,110	3,705	
Max. dumping reach		mm	990	1,060	1,100	1,005	950	960	
Max. hinge pin height		mm		3,570		3,870		4,470	
Digging depth (with bucket	gging depth (with bucket level)		75	90	75	75	75	75	
Breakout force		kN	81.3	88.2	67.6	82.3	90.1	90.2	
Bucket tilt-back angle	at carry position	deg		50°		49°		47°	
Overall length		mm	6,555	6,665	6,715	6,850	6,770	7,355	
Overall height	up to canopy top	mm	3,020						
	bucket full raise	mm	4,715	4,715	4,835	5,020	4,905	5,510	
Overall width	outside tire	mm			2,3	860			
	outside bucket	mm	nm 2,450						
Tread		mm		1,860					
Wheel base		mm			2,7	'00			
Min. turning radius	at outside bucket	mm	5,405	5,435	5,450	5,530	5,505	5,780	
	at center of outside tire	mm	4,640						
Min. ground				405					
Full articulation angle				40°					
Operating weight	with canopy	kg	7,980	7,950	8,050	8,060	8,040	8,330	
Static tipping load	straight	kg	6,570	6,600	6,500	5,570	5,590	4,170	
	full turn	kg	5,630	5,660	5,560	4,630	4,650	3,230	

The weight and load figure includes 18.4 (L2) tubeless tire, canopy, lubricant, coolant, full fuel tank and operator.



STANDARD EQUIPMENT (Standard specifications may vary. Contact your KCM distributor for specifics.)

50 ampere generator Batteries; 12V-65AH 2 units

Electric starter

Lights

Headlight 2 units

Working light 2 units (rear)

Stop/Tail light 2 units

Backup light 2 units

Turn signal light 2 units

Gauges and indicators

Air cleaner warning lamp Battery charge lamp Brake oil warning lamp

Engine coolant temperature gauge and

warning lamp

Engine oil pressure warning lamp

Fuel level gauge

High beam indicator lamp

Hour meter

Parking brake indicator lamp

Preheat indicator lamp

Speedometer

Torque convertor oil temperature warning

lamp

Transmission declutch lamp Turn signal indicator lamp Working light indicator lamp

Operator environment Adjustable operator seat with suspension Boom/bucket control single lever

Electric single horn

Floor mat Open canopy

Rearview mirrors (exterior)

Transmission declutch selector switch

Air cleaner (double elements dry type) ISUZU BB-6BG1T diesel engine

Full hydraulic enclosed wet multi-disc brakes

KCM axles, torque proportioning differentials (front/rear)

KCM torque converter

Tires,18.4 (L2) tubeless

3mm pitch plate fin radiator

Others

Drawbar hitch with pin

Handrails

Ladders, left and right

Loading linkage, sealed Z-bar type

Oil cooler (Hydraulic line)

Mudflaps

OPTIONAL ITEMS

Anti-corrosion specifications

Ashtrav

Bucket leveler

KCM auto shift transmission

Auto shift indicator lamp

Down shift button

Neutral indicator lamp

Transmission control warning lamp

Kickout device

Back up alarm

Emergency steering

Front and rear wide fenders

Halogen headlights with high and low beams

(2 front)

High lift boom arm / Super high lift boom arm

Hydraulic circuit for quick coupler pins

Hydraulic three spool valve system

Limited slip differential

Fork handling package

Open ROPS/FOPS canopy

Optional counter weight

Pre cleaner

Quick coupler

Ride control (speed sensitive automatic)

ROPS/FOPS cab / Enclose steel cab

Air conditioner

Cigarette lighter

Cup holder

Front and rear wiper and washers

Heater

Halogen working light 2 units (front)

Radio (AM/FM stereo with CD player)

Rearview mirrors (interior)

Seat belt

Storage compartment

Sun visor

Tinted safety glass Laminated glass (front)

Several bucket and tire options are available

Double lever hydraulic control

Telescopic and tilt steering wheel

Transmission belly guard Vandalism protection kit

4mm pitch plate fin radiator



This specification sheet may contain attachments and optional equipment which are not available in your area.

Please contact your local KCM distributor for those items which you require.

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.



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