**Engine Power** 

96<sub>kW (124hp)</sub>

**Operating Weight** 

8<sub>ton</sub>

**Bucket Capacity** 

1.6-1.8<sub>m³</sub>



# erformance that never quits...

Wheel loaders that deliver premium power... Backed by more than 45 years of innovative experience...

Durability and reliability you can count on...





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

You get a machine with a 45-year heritage of successful innovations.

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

Kawasaki 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 Kawasaki parts and service organization, your investment in a Kawasaki loader is an excellent choice that will pay dividends for years to come.

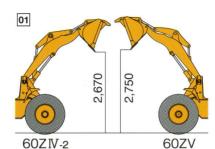
## **OWER AND PERFORMANCE** PROVIDE UNMATCHED **PRODUCTIVITY**

#### **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.



#### **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.

#### **INCREASED BRAKING POWER**

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.



#### 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.

#### **Z BAR-LINK AND CENTER PIN ARTICULATION 05**

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

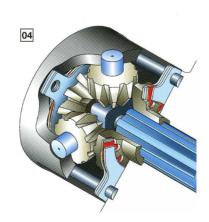


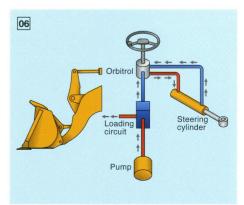
#### **LOAD SENSING HYDRAULICS FOR THE** STEERING SYSTEM 06

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, Kawasaki 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 03**

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 ©

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



# PECIAL 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.

 ${\sf T}$ he front windshield mounted in rubber gaskets makes windshield replacement fast and easy.

 ${\sf V}$ iscous 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.



# MULTI ADJUSTABLE FUNCTION OPERATOR'S SEAT

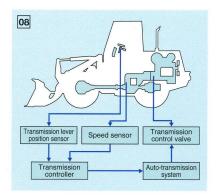
The fully adjustable suspension seat offers excellent comfort to reduce operator fatigue and increase productivity.

#### FULLY AUTOMATIC KAWASAKI TRANSMISSION (OPT) 08

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

#### RADIO (OPT)





#### ELECTRICAL SINGLE SHIFT TRANSMISSION CONTROL (OPT) 66

Single, twist grip transmission shift lever is conveniently mounted on the steering column.



#### **DOWNSHIFT SWITCH**

(OPT) 07

The downshift switch located on the boom

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



## 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(124 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 Torque converter		Kawasaki, Full power shift			
		Kawasaki			
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	Kawasaki		
	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**

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

Type	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/cm <sup>2</sup> )				
pressure	Steering valve	17.2 MPa(175 kg/cm <sup>2</sup> )				

#### 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

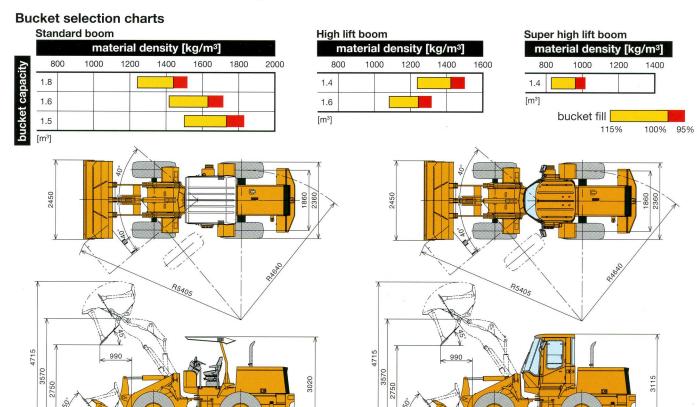
Option item		Operating	Tipping load(kg)		Overall width(mm)	Overall height(mm)	Tread	Overall length(mm)
		weight(kg)	Straight	Full turn	(outside tire)	Overall neight(min)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2 : 2:: :3::g.:.(:)
BOPS/F	FOPS cab	+470	+360	+320	-	+95	-	-
	OPS/FOPS canopy	+200	+160	+130	-	+95		2 1
Enclosed steel cab		+300	+250	+200	-	+95	-	-
Removal open canopy		-50	-40	-40	-	-130	-	-
17.5-25-12PR (L2)		+160	+120	+100	-50	±0	-40	±0
Tires	18.4-24-10PR (L2)	±0	±0	±0	±0	±0	±0	±0
Air conditioner		+70	+60	+50		-	-	-
Additional counter weight		+310	+690	+590	-	-	1.5	+50

#### **Bucket**

				Standard boor	n	High lif	t boom	Super high lift boor
			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
				100000				
Bucket capacity	heaped	m <sup>3</sup>	1.6	1.5	1.8	1.6	1.4	1.4
	struck	m <sup>3</sup>	1.4	1.3	1.6	1.4	1.2	1.2
Max. dumping clearance		mm	2,750	2,680	2,700	3,050	3,150	3,705
Max. dumping reach		mm	990	1,060	1,040	1,005	950	960
Max. hinge pin height		mm		3,570		3,8	370	4,470
Digging depth (with bucket level)		mm	75	90	75	75	75	75
Breakout force		kN	81.3	88.2	73.0	81.3	90.2	90.2
Bucket tilt-back angle at carry position		deg	50°			49°		48°
Overall length		mm	6,555	6,665	6,625	6,850	6,770	7,370
Overall height	up to cab top	mm	3,020					
	bucket full raise	mm	4,715	4,715	4,765	5,015	4,935	5,535
Overall width	outside tire	mm			2,3	60		
	outside bucket	mm	2,450	2,450	2,450	2,450	2,450	2,450
Tread		mm	1,860					
Wheel base		mm			2,7	00		
Min. turning radius	at outside bucket	mm	5,405	5,435	5,425	5,530	5,505	5,760
	at center of outside tire	mm			4,6	40		
Min. ground			405					
Full articulation angle			40°					
Operating weight	with canopy	kg	7,980	7,950	8,010	8,040	8,020	8,330
Static tipping load	straight	kg	6,570	6,600	6,540	5,570	5,590	4,170
	full turn	kg	5,630	5,660	5,600	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.

2700



2700 6555

#### STANDARD EQUIPMENT (Standard specifications may vary. Contact your Kawasaki dealer for specifics.)

**Electrical** 

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

Electric starter

Liahts

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)

Transmisson declutch selector switch

Power train

Air cleaner (double elements dry type)

ISUZU BB-6BG1T diesel engine

Full hydraulic enclosed wet multi-disc brakes

Kawasaki axles, torque proportioning differentials (front/rear)

Kawasaki 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

#### **OPTIONAL ITEMS**

Additional counter weight

Anti-corrosion specifications

Ashtrav

**Bucket leveler** 

Kawasaki 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

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

Mudflaps

Oil cooler (Hydraulic line)

Open ROPS/FOPS canopy

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)

Rearview mirrors (interior)

Seat belt

Storage compartment

Sun visor

Tinted safety glass

Laminated glass (front)

Working light 2 units (front) Several bucket and tire options are available

Double lever hydraulic control

Telescopic and tilt steering wheel

Transmission belly quard

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 Kawasaki dealer 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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