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

Air Cleaner (2) (Dual Element Pre Cleaner)
Air Conditioner
Alarms (Audible): Auto Brake
Brake Pressure
Engine Oil Pressure
Alarms (Visual): Air Filter
Auto Brake
Battery Discharge
Brake Pressure
Brake Disc Wear
Brake Oil Temp
Converter Oil Temperature
Engine Oil Pressure
Engine Coolant Temperature
Parking Brake
Transmission Control
Transmission Oil Filter
Alternator (75 amp)
Auto Brake
Batteries: 12V 140AH (4 units)
Belly Guard for Engine
Brake Line Protection
Brake Line Protection
Brake (Parking)
Spring applied; Oil released, Multi-Disc
Brakes (Service)
Aisle Brake
Oil/Oil Actuation
Enclosed Wet Disc
Dual System
Bucket Control Lever (Single, Pilot Assisted)
Bucket Leveler
Boom Kickout
Boom, Soft-Landing
Cowl Hook
Cold Start Aid (Air Heater)
Counterweight
Curb Holder
Downshift Button
Dweller
Electrical System (24 volt)
Emergency Steering
Engine Stop Switch
Fan (Blower)
Fenders (Front and Rear)
Gauges:
Converter Oil Temperature
Engine Coolant Temperature
Fuel Level
Hour Meter
Hydraulic Oil Level
Tachometer
Heater/Preheater
Horn (Electric)
Hydraulic Power Boost
Indicators:
High Beam
Parking Brake
Transmission Brake
Transmission Shift
Working Light
K-Lever Steering
Lever (Dual Z-type, Sealed)
Lights:
2 Headlights (Halogen)
2 Backup Lights
2 Step Lights
2 Rear Working Lights
Muffler (2)
Neutral Safety Start
Open ROPS & Enclosed Cab:
Enclosed cab with sound suppression, front lights, front and rear wipers
and washers, one rear view and two side mirrors, tinted glass
and roll-up side windows
Operating Mode Selection
(Normal, Heavy Duty,
Load & Carry)
ProLube Starter
Radiator, Heavy Duty
Plastic Pin Type
Radiator Grille
Radio
Reverse Alarm
Safety Armband Locking Bar
Seat, Air Ride
Seat Belt, Retractable
Shift Control Unit for
Automatic Shift
Single Lever Hydraulic
Controls
Tires, 45/65-R39 (L-5)
Traction Control
Transmission Lock-Up
Wheel Rear, Adjustable
12V Power Port

OPTIONAL ITEMS
41.25/70-39 PR34
Ground-Level Fueling System
High Lift Arm
Hinged Belly Guard
Payload Scale System
Quick-Change Oil System
Ride Control
Segment Edge

http://www.khi.co.jp/kenki/english/
Performance 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 tire 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.

The power and productivity that a Kawasaki wheel loader brings 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.
Computer Controlled Engine

The Engine Control Module (ECM) allows the engine performance to be modified to fit the application requirements. It also provides a wide range of operating data and fault codes to assist in diagnostic and troubleshooting. Cummins provides diagnostic tools to allow technicians to quickly recover engine information for fast, accurate analysis.

Power and Performance Provide Unmatched Productivity

Improved Performance of Rimpull Force and Acceleration

The powertrain has been designed for more efficient operation in a wide variety of applications. Improved torque characteristics and efficient match between the engine and torque converter provide outstanding performance.

Engine Modes

Engine Mode Switch:
- Normal—the most fuel-efficient setting
- Heavy Duty—10% increase in rim pull force over normal mode
- Load & Carry—significant increase in acceleration in second and third gear. Ground speed is improved.

Z-Link and Center Pin Articulation

As a pioneer of Z-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.

High Efficiency Hydraulic System

Kawasaki is the oldest, most sophisticated manufacturer of hydraulic piston pumps in the world.
- Kawasaki dual, variable piston pumps in main & steering
- Energy efficient system designed by Kawasaki, steering supplements main for maximum performance
- Excellent filtration system filters hydraulic fluid down to 10 micron
- Supplemental hydraulic fluid reservoir supplies continuous oil supply to pumps to prevent dry start.

Load Sensing Hydraulic System for Steering Line

An energy efficient design of the hydraulic system provides for steering flow to supplement the main circuit once steering demand is met. This allows for full utilization of the pump capacity for efficient operation in all conditions.

Power Boost

PowerBoost™ button allows fingertip control increasing hydraulic pressure for work in tough materials.

Transmission

Kawasaki engineered and manufactured transmission and torque converter
- Oversized planetary clutches
- Automatic three speed with powershift
- Lock-up feature converts to direct drive at higher speeds
- Helical gears provide a quiet operation
- Autobrake feature protects transmission from overspeeding and directional shift shock
- Number of clutches is double industry standard
- Switch activates transmission declutch

Lock Up Torque Converter

A lock-up clutch in the torque converter provides direct drive efficiency in the top speed ranges. This significantly improves fuel economy in long haul, load and carry applications and improves performance in hill climbing applications.

Active Traction Control

Traction Control reduces wheel slippage by automatically dropping engine speed when conditions indicate wheel spin.

Outboard Wet Disc Brake

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

ELS (Efficient Loading System)

Load sensing hydraulic system with dual piston pumps, increases rimpull power and slows bucket movement when digging while demanding less fuel. This feature increases productivity and fuel efficiency.
DURABLE AND DEPENDABLE

LIFT ARMS/BUCKETS
With the strongest lift arms and linkage in the industry, Kawasaki loaders perform well in a wide variety of applications.

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

Buckets are designed for easy loading and are equipped with weld-on two-piece teeth for easy changing.

The bucket leveler and boom kickout are standard.

SEALED BUCKET HINGE PINS
The special seal in the bucket hinge pin provides excellent sealing and grease retention which extends pin life.

INCREASED GREASING INTERVALS FOR UNIVERSAL JOINTS
Sealed universal joints only require greasing every 12000 hours. This reduces maintenance costs significantly and provides greater durability.

RIDE CONTROL FEATURE (OPT)
Ride control offers a smooth ride to improve load retention and increase travel speeds.

BUFFER RINGS IN HYDRAULIC CYLINDERS
The hydraulic cylinders utilize a buffer ring to improve sealing capability to reduce leakage.

KAWASAKI MADE HYDRAULIC VALVES
As a leading manufacturer of precision hydraulic components, Kawasaki offers high quality control valves for precise operation.

Pilot assisted controls offer fingertip operation.

WET DISC PARKING BRAKE
The high capacity, wet disc parking brake supplies ample braking force to meet all brake capacity regulations.

FULL BOX FRAME CHASSIS
Full box section frame is the strongest in the industry and resists twisting loads better than plate frames.

EASY ACCESS SIMPLIFIES SERVICING
Maintenance is enhanced with the engine access panels that can be opened wide for better access.

Filters are conveniently located for easy change and the grease fittings are grouped to reduce maintenance time and insure proper lubrication.

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.

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

HALOGEN HEAD LAMPS
Front and rear working lights are bright, halogen lamps for improved safety and visibility.
THE COMFORT ZONE

CAB
Excellent visibility in all directions is enhanced with both inside and outside mirrors.
The front windshield is flat glass mounted in rubber gaskets that make windshield replacement fast and easy.
Vacuum mounting of the cab reduces vibration and noise.

ROPS AND FOPS CAPABILITY
The operator’s canopy is fully certified to meet all ROPS (Rollover Protective Structure) and FOPS (Falling Object Protective Structure) regulations.

HEATER AND AIR CONDITIONER
The air conditioner/heater keep 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.
The air suspension seat provides higher capacity and overall comfort and reliability.

MODM
The 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.

RADIO AND UTILITY BOXES
Operators appreciate the convenience of the radio, glove box, cup holder and climate controlled storage box.

K-LEVER
• Hydraulically modulated for smooth and responsive steering
• Up/Down shift control
• Increases productivity and reduces fatigue
• Forward, neutral, reverse and downshift buttons (electric) for one-hand transmission control
• Positive, well modulated hydraulic steering
• Fully adjustable wrist rests for maximum operator comfort

LOADING CONTROL LEVER
Single-lever hydraulic controls for easy of operation.
The Power Boost Switch, Downshift Button and Horn Switch are located on the hydraulic control lever to assist in lifting or digging.

CONTROL SWITCH
1. Traction Control Switch
2. Traction Control Engine Adjust Switch
3. Adjustable Declutch Switch
4. Kickout Control Switch
5. Boom Soft landing switch
### Engine
- **Make & model**: CUMMINS "QST30" diesel engine
- **Type**: 4-cycle, water-cooled, direct injection, with turbocharger and aftercooler
- **Rated power**: Gross 567 kW(760 hp)/2,100 rpm
  Net 537 kW(720 hp)/2,100 rpm
- **Maximum torque**: Gross 3,352 N·m(242 kgf·m/1,300 rpm)
  Net 3,170 N·m(236 kgf·m/1,300 rpm)
- **Number of cylinders (bore X stroke)**: 12 / 165.1 mm
- **Total displacement**: 36.5 L
- **Cooling**: Positive type fan
  Pressurized radiator
- **Fuel injection pump**: Hermetic pump
- **Governor**: All-speed electrical type
- **Air cleaner**: Dry type (Double element)
- **Generator**: AC 24V 1.8 kW (75 ampere)
- **Starter motor**: DC 24V 9.0 kW (12.1 hp)
- **Batteries**: DC 12V 100 Ah × 4

### Transmission & Torque converter
- **Transmission**: Kawasaki, Full-floating type
- **Torque converter**: Kawasaki, Balance/Single-stage with lock up
- **Housing speed (Forward) (Reverse)**:
  - 1st: 6.9 km/h / 7.7 km/h
  - 2nd: 12.8 km/h
  - 3rd: 14.9 km/h
  - 4th: 24.4 km/h
  - Min: 30.0 km/h
  - Max: 93.3 km/h
- **Note**: With 450R3815L

### Axles & Final Drives
- **Type**: 4-wheel drive
- **Axle type**: Kawasaki: Full-floating type
- **Differential**: Spiral bevel gear
- **Final reduction gear**: Outboard mounted, planetary gear
- **Rear axle oscillation angle**: ±0°
- **Tire (standard)**: 45/65R39 (L5)

### Brake system
- **Service brake**: 4-wheel adjustment-free, wet-disc
  Controlled by fully hydraulic system
  Dual circuits
- **Parking brake**: Transmission transfer gear-mounted, multi-disc spring applied oil pressure released type

### Steering system
- **Type**: Articulated frame steering
  Hydraulic power steering unit, pilot operated type
- **Steering valve**: Kawasaki, pilot valve and spool type
- **Full articulation angle**: 40° to each side

### Loading system
- **Type**: Front end loading, Z bar linkage system
- **Hydraulic cycle time**:
  - Lifting/emptying: 6.8 sec
  - Dumping: 1.4 sec
  - Total cycle time: 15.5 sec
- **Hydraulic system**
  - Oil pump: Variable piston type, 470 lit/min, 6.9 MPa (70 kg/cm²) @ 2,100 rpm
  - Relief valve: Pressure control
  - Lift cylinder:
    - Type: Double acting piston
    - Stroke: 2 X 240 mm / 1,270 mm
  - Tilt cylinder:
    - Type: Double acting piston
    - Stroke: 2 X 185 mm / 988 mm
  - Steer cylinder:
    - Type: Double acting piston
    - Stroke: 2 X 130 mm / 671 mm
- **Relief set pressure**:
  - Control valve: 31.4 MPa (320 kgf/cm²)
  - Stacking valve: 31.4 MPa (320 kgf/cm²)

### Service refill
- **Fuel tank**: 1,050 L
- **Engine lubricant (including oil pan)**: 440 L
- **Engine cooling water**: 250 L
- **T/M & T/C**: 250 L
- **Axle front tire**: 640 L
- **Hydraulic oil**: 310 L
- **Hydraulic system (excluding oil tanks)**: 740 L

### Weight change

<table>
<thead>
<tr>
<th>Option item</th>
<th>Operating weight(kg)</th>
<th>Spacing setting</th>
<th>Overall width(mm) (outside tires)</th>
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### Bucket
- **Type**: Rock V-edge, Rock straight, General purpose (stock pile)
- **Rated power**: Gross 3,352 N·m / 1,300 rpm
- **Max. dumping clearance**: 9.7 m³
- **Max. dumping reach**: 4,050 mm
- **Max. dump height**: 5,040 mm
- **Diggability**: 2,705 mm
- **Breakout force**: 720 kgf
- **Full articulation angle**: 40° to each side
- **Steering valve**: Kawasaki, pilot valve and spool type
- **Transmission & Torque converter**: Kawasaki, Full-floating type
- **Transmission**: Variable piston type, 470 lit/min, 6.9 MPa (70 kg/cm²) @ 2,100 rpm
- **Main oil pump**: Variable piston type, 336 lit/min, 6.9 MPa (70 kg/cm²) @ 2,100 rpm
- **Pilot/Brake oil pump**: Gear type, 97 lit/min, 6.9 MPa (70 kg/cm²) @ 2,100 rpm
- **Lift cylinder**:
  - Type: Double acting piston
  - Stroke: 2 X 240 mm / 1,270 mm
- **Tilt cylinder**:
  - Type: Double acting piston
  - Stroke: 2 X 185 mm / 988 mm
- **Steer cylinder**:
  - Type: Double acting piston
  - Stroke: 2 X 130 mm / 671 mm
- **Relief set pressure**:
  - Control valve: 31.4 MPa (320 kgf/cm²)
  - Stacking valve: 31.4 MPa (320 kgf/cm²)
- **Tipping load (kg)**:
  - Straight: 79.950 kg
  - Full turn: 46,100 kg
- **Operating weight with ROPS/FOPS & cab**: 89,940 kg
- **Stiffness (kgf/cm²)**:
  - At 37°: 36.3
  - At 79°: 21.9
  - At 195°: 17.5
- **Fork articulation angle**: ±0°
- **Steering valve**: Kawasaki, pilot valve and spool type
- **Transmission & Torque converter**: Kawasaki, Full-floating type
- **Transmission**: Variable piston type, 470 lit/min, 6.9 MPa (70 kg/cm²) @ 2,100 rpm
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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.

Equipped with RVT bucket, 450R3815(L5) tubeless tires, ROPS/FOPS canopy, cab, louvered, coolant, full fuel tank and canopy.

**Bucket selection charts**

<table>
<thead>
<tr>
<th>Material density</th>
<th>1200</th>
<th>1600</th>
<th>2000</th>
<th>2200</th>
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<tr>
<td></td>
<td>kg/m³</td>
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<tr>
<td>9.7</td>
<td>115%</td>
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<tr>
<td>10.3</td>
<td>100%</td>
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<tr>
<td>11.0</td>
<td>95%</td>
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The weight and load figure includes 450R3815(L5) tubeless tire, ROPS/FOPS canopy, cab, louvered, coolant, full fuel tank and canopy.

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