

# 115Z7 XTREME



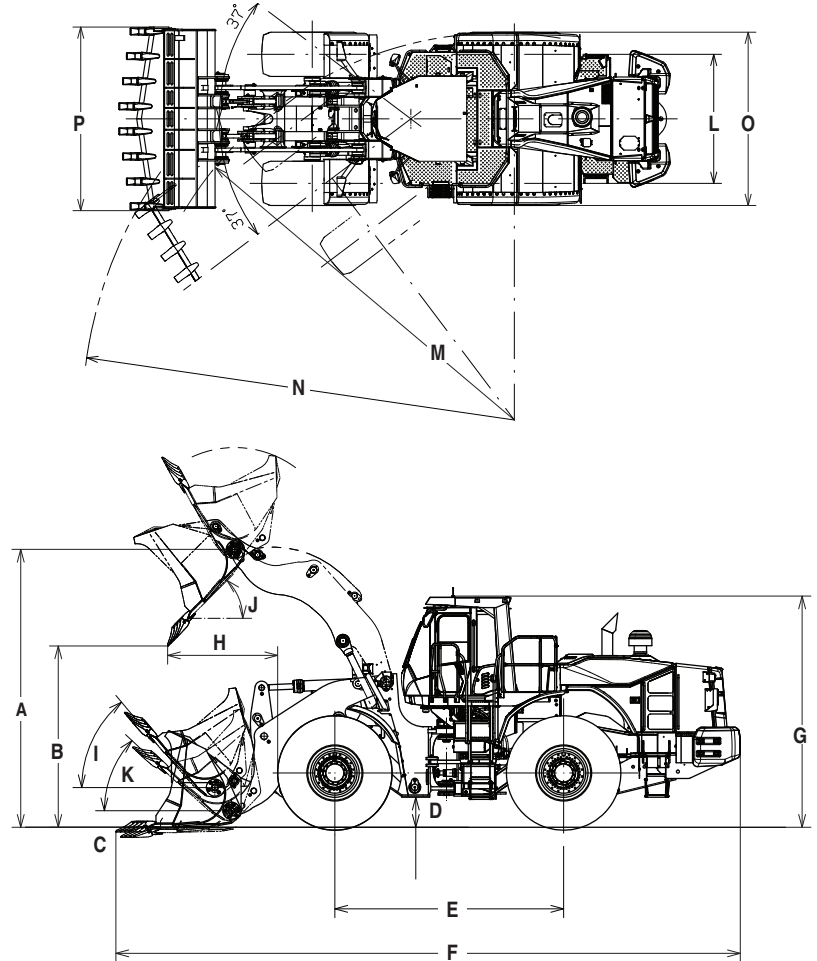
**Kawasaki**  
KEM

# BUCKET & DIMENSION DATA



		Rock-V-Edge	
		With Teeth & Bolt-On Segment Edge	
Capacity	Heaped	yd <sup>3</sup> (m <sup>3</sup> )	9.15 (7.0)
	Struck	yd <sup>3</sup> (m <sup>3</sup> )	8.0 (6.1)
Maximum dumping clearance		ft-in (mm)	10'7/8" (3,070)
Dumping reach (to front of bucket edge or tooth)		ft-in (mm)	6'7/8" (2,030)
Max. hinge pin height		ft-in (mm)	15'11 3/8" (4,860)
Digging depth (with bucket level)		ft-in (mm)	5 1/4" (135)
Breakout force		lb (kN)	94,420 (420)
Bucket tilt-back angle	at ground level	degree	40°
	at carry position	degree	49°
Overall	Length	ft-in (mm)	36'9 3/8" (11,120)
	Height (to top of Cab/ROPS)	ft-in (mm)	13'9 1/8" (4,195)
	Height (bucket fully raised)	ft-in (mm)	22'9 7/8" (6,945)
	Width (outside tire)	ft-in (mm)	11'8 1/2" (3,570)
	Width (outside bucket)	ft-in (mm)	12'4 3/8" (3,770)
Tread		ft-in (mm)	8'8 3/8" (2,650)
Wheel base		ft-in (mm)	13'7 3/8" (4,150)
Clearance Circle (bucket carry position)	at outside of bucket	ft-in (mm)	5'9" (17,600)
	at outside tire	ft-in (mm)	5'2'9 1/2" (16,090)
Minimum ground clearance		ft-in (mm)	1'9 1/2" (545)
Full articulation angle		degree	37°
Operating weight (with ROPS Cab)		lb (kg)	106,110 (48,130)
Static Tipping Load (with ROPS cab)	Straight	lb (kg)	82,030 (37,210)
	Full turn	lb (kg)	70,040 (31,770)

## DIMENSIONS



A	Hinge-Pin Height	15' 11 3/8"	4,860 mm
B	Dumping Clearance	10' 7/8"	3,070 mm
C	Digging Depth	5 1/4"	135 mm
D	Ground Clearance With 35/65R33 (See Tire Option Chart for Other Tires)	1' 9 1/2"	545 mm
E	Wheelbase	13' 7 3/8"	4,150 mm
F	Overall Length	36' 9 3/8"	11,210 mm
G	Height to Top of Cab/ROPS	13' 9 1/8"	4,195 mm
H	Dumping Reach	6' 7/8"	2,030 mm
I	Tilt-Back @ Carry	49°	49°
J	Dump Angle @ Maximum Lift	45°	45°
K	Tilt-Back @ Ground	40°	40°
L	Tread	8' 8 3/8"	2,650 mm

**Clearance Circle**— All dimensions are approximate and based on 35/65R33 (L-5) tires.

M	Clearance Circle to Outside of Tires	5' 2' 9 1/2"	16,090 mm
N	Clearance Circle to Outside of Bucket	5' 7' 9"	17,600 mm
O	Width Over Tires	11' 8 1/2"	3,570 mm
P	Width to Outside Bucket	12' 4 3/8"	3,770 mm

The weight and load figure includes counterweight, enclosed ROPS Cab, air conditioner, 35/65R33 (L-5) tires, full fuel tank and operator.

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.

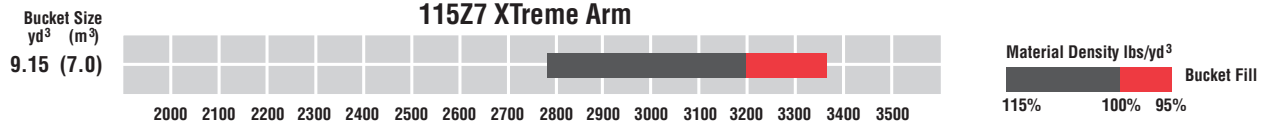
# OPERATING SPECIFICATIONS



## WEIGHTS AND DIMENSIONS

	Operating Weight	Tipping Load		Overall Width (Outside Tire)	Overall Height	Overall Length
		Straight	Full Turn			
Remove ROPS Canopy and Cab (for transport only)	lb (kg)	-3,110 (-1,410)	-2,870 (-1,300)	-2,430 (-1,100)	in (mm)	
Belly Guard (transmission)	lb (kg)	+200 (+90)	+220 (+100)	+180 (+80)	in (mm)	
Tires: 35/65R33 (L-4)	lb (kg)	-1,210 (-550)	-880 (-400)	-750 (-340)	in (mm)	
875/65R33 (L-5)	lb (kg)	+610 (+275)	+440 (+200)	+370 (+170)	in (mm)	

## BUCKET SELECTION CHART



ENGINE (EPA Tier 4 Interim/EU Stage IIIB certified)	
Gross Power (SAE J1995)	532 HP/1,800 RPM (397 kW/1800RPM)
Net Power (SAE J1349) ISO 9249	531 HP/1,800 RPM (396 kW/1800RPM)
Make/Model	Isuzu 6WG1 diesel engine
Type	4-cycle, water-cooled, direct injection with turbocharger and air cooled intercooler
Fuel Type	#2 Diesel (Requires ultra-low sulfur fuel.)
Fuel Injection Pump	Electronically controlled, common rail type
Governor	All speed electrical type
Cooling Module Type	Hydraulic-driven, suction-type fan, pressurized radiator
Number of cylinders	6
Bore and stroke	5.787" x 6.063" (147mm x 154mm)
Total displacement	957 in <sup>3</sup> (15.68 liters)
Alternator	AC 24V – 2.64 kW (110 amp)
Air Cleaner	Dry type (double element)
Starter Motor	DC 24V – 7.0 kW (9.4 HP)
Battery	12V – 200AH (1,300 CCA), 2 units

TORQUE CONVERTER AND TRANSMISSION	
Torque converter	3 element, single-stage, 1-phase w/lock-up clutch
Transmission	Planetary gear type, Full power shift. Autobrake protects transmission from overspeeding.
Speeds: Forward	1st: 4.4 MPH (7.1 km/hr) 2nd: 8.3 MPH (13.4 km/hr)* 3rd: 14.0 MPH (22.5 km/hr)* 4th: 22.4 MPH (36.0 km/hr)*
Speeds: Reverse	1st: 4.8 MPH (7.8 km/hr) 2nd: 8.8 MPH (14.2 km/hr) 3rd: 14.2 MPH (22.8 km/hr)

\* indicates speed in lock-up

SYSTEMS REFILL CAPACITY		
LOCATION	GALLONS	LITERS
Fuel tank (diesel fuel)	174.9	662
Engine lubricant (including oil pan)	15.0	57
Engine coolant	22.5	85
T/M & T/C	23.8	90
Axle (front/rear)	47.6/47.6	180/180
Hydraulic oil tank	79.3	300
Hydraulic system (including hydraulic tank)	145.3	550

HYDRAULIC AND STEERING SYSTEM		
Steering type	Articulated frame steering	
Steering mechanism	Hydraulic power steering unit, pilot operated type	
Lift (boom) cylinder	Two (2) double-acting piston type: 7.480" x 44.567" (190mm x 1132mm)	
Tilt (bucket) cylinder	Two (2) double-acting piston type: 7.086" x 27.126" (180mm x 689mm)	
Steering cylinder	Two (2) double-acting piston type: 3.937" x 28.346" (100mm x 720mm)	
Main oil pump	Variable piston type: 100.4 GPM/1000 PSI @ 1800 RPM (380 LPM/6.9MPa @ 1800 RPM)	
Pilot oil pump	Variable piston type: 27.7 GPM/3844 PSI @ 1800 RPM (105 LPM/26.5 MPa @ 1800 RPM)	
Relief valve set pressure	Loading	4554 psi, 31.4 MPa (320 kg/cm <sup>2</sup> )
	Steering	3988 psi, 27.5 MPa (280 kg/cm <sup>2</sup> )
HYDRAULIC CYCLE TIME* front end loading, Z bar linkage system		
Lifting time (at full load)	8.9 sec.	
Lowering time (empty)	4.5 sec.	
Bucket dumping time	2.2 sec.	
TOTAL	15.6 sec.	

\* Measured in accordance with SAE J732C

AXLE SYSTEM	
Drive system	4-wheel drive
Front and rear axle	Full-floating type
Tires	35/65R33 (L-5) Base Tire
	35/65R33 (L-4)
	875/65R33 (L-5)
Reduction and differential gear	Spiral bevel gear, conventional type, single stage reduction
Final reduction gear	Outboard mounted, internal planetary gear
Oscillation angle	±12°

BRAKE SYSTEM	
Service brakes	4 wheel, wet multiple disc brake. Controlled by full hydraulic system. Dual circuit.
Parking/Emergency brake	Spring-applied, oil pressure-released. Located on front axle.

## STANDARD EQUIPMENT

### Bucket

Rock V-Edge, 9.15 Cu. Yd., Spade Nose w/Teeth & Segments

### 115Z7 XTreme Package

Includes Heavy Duty Structures/  
Hydraulics

Axle Oil Cooler

Ride Control

Counterweight

Also Available in the following packages:

- Coil Handling
- Block Handling
- Pipe Handling