



REPUTATIONS
ARE BUILT ON IT

95*z7*

Tier 4 Final
Certified

386 HP 288 Kw
Engine Net Horse Power

7.3 Yd³ 5.6 M³
Bucket Capacity

73,940 Lbs 33,540 Kg
Operating Weight

Preliminary



SPECIFICATIONS

MODEL NAME: 9527, EPA TIER 4 FINAL/ EU STAGE IV CERTIFIED

ENGINE	
Net Power (SAE J1349) ISO 9249	386 HP/1,800 RPM (288 kW/1,800 RPM)
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 ³ (15.68 liters)
Alternator	AC 24V–2.64 kW (110A)
Air cleaner	Dry type (double element)
Starter motor	DC 24V–7.0 kW (9.4 HP)
Battery	DC 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	
	Normal Mode	Power Mode
Speeds: Forward	1st: 3.8 MPH (6.1 km/hr)	1st: 3.8 MPH (6.1 km/hr)
	2nd: 7.6 MPH (12.3 km/hr)*	2nd: 7.6 MPH (12.3 km/hr)*
	3rd: 13.5 MPH (21.7 km/hr)*	3rd: 13.5 MPH (21.7 km/hr)*
	4th: 23.0 MPH (37.0 km/hr)*	4th: 23.0 MPH (37.0 km/hr)*
Speeds: Reverse	1st: 4.1 MPH (6.6 km/hr)	1st: 4.1 MPH (6.6 km/hr)
	2nd: 7.6 MPH (12.3 km/hr)*	2nd: 7.6 MPH (12.3 km/hr)*
	3rd: 14.5 MPH (23.4 km/hr)*	3rd: 14.5 MPH (23.4 km/hr)*

* Indicates speed in lock-up

SYSTEMS REFILL CAPACITY

LOCATION	GALLONS	LITERS
Fuel tank (diesel fuel)	115.7	438
Engine lubricant (including oil pan)	13.7	52
Engine coolant	18.2	69
T/M & T/C	18.8	71
Axle (front/rear)	25.1/25.1	95/95
Hydraulic oil tank	47.0	178
Hydraulic system (including hydraulic tank)	77.9	295
DEF/AdBlue® tank	15.1	57

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: 6.229" x 40.433" (160mm x 1,027mm)	
Tilt (bucket) cylinder	Two (2) double-acting piston type: 5.118" x 25.827" (130mm x 656mm)	
Steering cylinder	Two (2) double-acting piston type: 3.543" x 23.662" (90mm x 600mm)	
Main oil pump	Variable Piston type: 89.8 GPM/1,000 PSI @ 1,800 RPM (340 LPM/6.9 MPa @ 1,800 RPM)	
Pilot oil pump	Variable Piston type: 23.8 GPM/3,260 PSI @ 1,800 RPM (90 LPM/22.5 MPa @ 1,800 RPM)	
Relief valve set pressure	Loading	4,554 psi, 31.4 MPa (320 kgf/cm ²)
	Steering	3,998 psi, 27.5 MPa (280 kgf/cm ²)

HYDRAULIC CYCLE TIME* front end loading, Z bar linkage system

	Normal Mode	Power Mode
Lifting time (at full load)		5.8 sec.
Lowering time (empty)		4.4 sec.
Bucket dumping time		1.4 sec.
TOTAL		11.6 sec.

* Measured in accordance with SAE J732C

AXLE SYSTEM

Drive system	4-wheel drive
Front and rear axle	Full-floating type
Tires	29.5R25 (L-3)(L-4)(L-5)
	29.5-25-28PR (L-3)(L-5)
	875/65R29 (L-3)(L-4)
Reduction and differential gear	Spiral bevel gear, torque proportioning, 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 fully hydraulic system. Dual circuit.
Parking/Emergency brake	Spring-applied, oil pressure-released. Located on driveline.

REMARKS

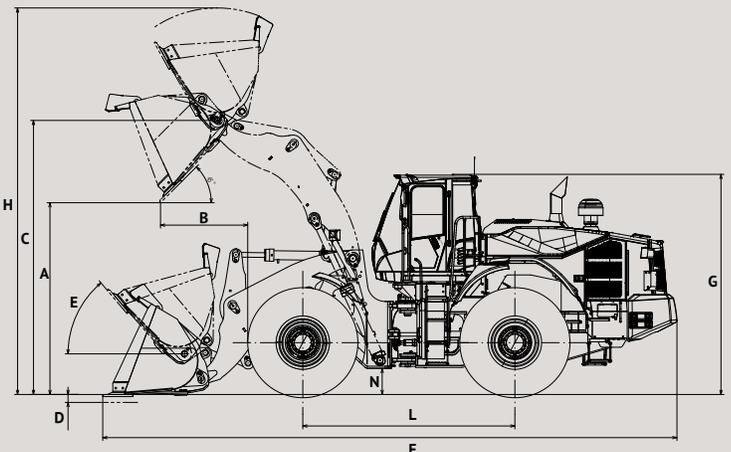
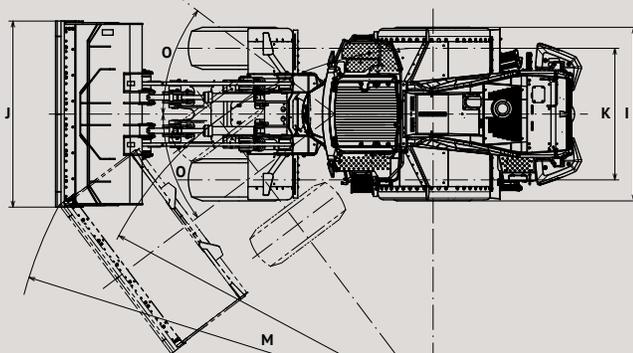
- Materials and specifications are subject to change without notice and without any obligation on the part of the manufacturer.
- This information, while believed to be completely reliable, is not to be taken as warranty for which we assume legal responsibility.
- Dumping clearance and reach are measured from bucket edge in accordance with SAE J732C.
- Color for model shown in this brochure is a standard KCM yellow.
- Counterweight should not be used with tire ballast.
- This specification sheet may contain attachments and optional equipment not available in your area.

Please contact your local KCM dealer for additional information.

BUCKET DATA

			Standard Boom				High Lift Boom
			General Purpose		Material Handling	Rock V-Edge	Material Handling
			Straight Edge With Bolt-on Cutting Edge	Straight Edge With Teeth and Segments	Straight Edge With Bolt-on Cutting Edge	With Teeth	Straight Edge With Bolt-on Cutting Edge
							
Capacity	Heaped	yd ³ (m ³)	7.3 (5.6)	7.3 (5.6)	8.1 (6.2)	6.5 (5.0)	7.3 (5.6)
	Struck	yd ³ (m ³)	6.2 (4.7)	6.2 (4.7)	6.9 (5.3)	5.5 (4.2)	6.2 (4.7)
A	Maximum dumping clearance	ft-in (mm)	10'8 ¹ / ₄ " (3,260)	10'2" (3,100)	10'6 ³ / ₄ " (3,220)	9'5 ¹ / ₂ " (2,880)	12'1 ¹ / ₂ " (3,670)
B	Dumping reach (to front of bucket edge or tooth)	ft-in (mm)	4'10 ¹ / ₄ " (1,480)	5'2 ¹ / ₂ " (1,590)	4'11 ³ / ₄ " (1,520)	5'11 ¹ / ₂ " (1,820)	4'11 ³ / ₄ " (1,520)
C	Max. hinge pin height	ft-in (mm)	15'3 ¹ / ₂ " (4,660)	15'3 ¹ / ₂ " (4,660)	15'3 ¹ / ₂ " (4,660)	15'3 ¹ / ₂ " (4,660)	16'7 ¹ / ₂ " (5,070)
D	Digging depth (with bucket level)	ft-in (mm)	5 ¹ / ₄ " (135)	6 ³ / ₄ " (170)	5 ¹ / ₄ " (135)	6 ¹ / ₄ " (160)	5" (130)
Breakout force		lb (kN)	51,930 (231)	51,930 (231)	50,360 (224)	43,840 (195)	52,160 (232)
Bucket tilt-back angle	at ground level	degree	41°	41°	41°	41°	41°
	E at carry position	degree	50°	50°	50°	50°	49°
F	Length	ft-in (mm)	31'11 ³ / ₄ " (9,750)	32'7 ¹ / ₄ " (9,940)	32'1 ³ / ₄ " (9,800)	33'7 ¹ / ₂ " (10,250)	33'4" (10,160)
G	Height (up to cab top)	ft-in (mm)	12'2 ³ / ₄ " (3,730)	12'2 ³ / ₄ " (3,730)	12'2 ³ / ₄ " (3,730)	12'2 ³ / ₄ " (3,730)	12'2 ³ / ₄ " (3,730)
Overall	H Height (bucket fully raised)	ft-in (mm)	21'6 ¹ / ₄ " (6,560)	21'6 ¹ / ₄ " (6,560)	21'7" (6,580)	21'1 ¹ / ₄ " (6,410)	22'10 ¹ / ₂ " (6,970)
	I Width (outside tire)	ft-in (mm)	10'6 ³ / ₄ " (3,220)	10'6 ³ / ₄ " (3,220)	10'6 ³ / ₄ " (3,220)	10'6 ³ / ₄ " (3,220)	10'6 ³ / ₄ " (3,220)
J	Width (outside bucket)	ft-in (mm)	11'3 ³ / ₄ " (3,450)	11'5 ¹ / ₂ " (3,490)	11'3 ³ / ₄ " (3,450)	11'3 ³ / ₄ " (3,450)	11'3 ³ / ₄ " (3,450)
K	Tread	ft-in (mm)	8' (2,440)	8' (2,440)	8' (2,440)	8' (2,440)	8' (2,440)
L	Wheel base	ft-in (mm)	11'9 ³ / ₄ " (3,600)	11'9 ³ / ₄ " (3,600)	11'9 ³ / ₄ " (3,600)	11'9 ³ / ₄ " (3,600)	11'9 ³ / ₄ " (3,600)
Clearance Circle (bucket carry position)	M at outside of bucket	ft-in (mm)	51'6" (15,700)	51'10" (15,800)	51'7" (15,720)	51'10 ³ / ₄ " (15,820)	52'7 ¹ / ₂ " (8,020)
	at outside of tire	ft-in (mm)	45'11 ¹ / ₄ " (14,000)	45'11 ¹ / ₄ " (14,000)	45'11 ¹ / ₄ " (14,000)	45'11 ¹ / ₄ " (14,000)	45'11 ¹ / ₄ " (14,000)
N	Minimum ground clearance	ft-in (mm)	1'5 ¹ / ₄ " (440)	1'5 ¹ / ₄ " (440)	1'5 ¹ / ₄ " (440)	1'5 ¹ / ₄ " (440)	1'5 ¹ / ₄ " (440)
O	Full articulation angle	degree	37°	37°	37°	37°	37°
Operating weight (with ROPS cab)		lb (kg)	73,940 (33,540)	74,080 (33,600)	74,410 (33,750)	44,760 (33,910)	74,600 (33,840)
Static tipping load (with ROPS cab)	Straight	lb (kg)	56,370 (25,570)	56,020 (25,410)	56,790 (25,760)	56,840 (25,780)	48,550 (22,020)
	Full turn	lb (kg)	49,100 (22,270)	48,810 (22,140)	49,470 (22,440)	49,520 (22,460)	42,310 (19,190)

DIMENSIONS



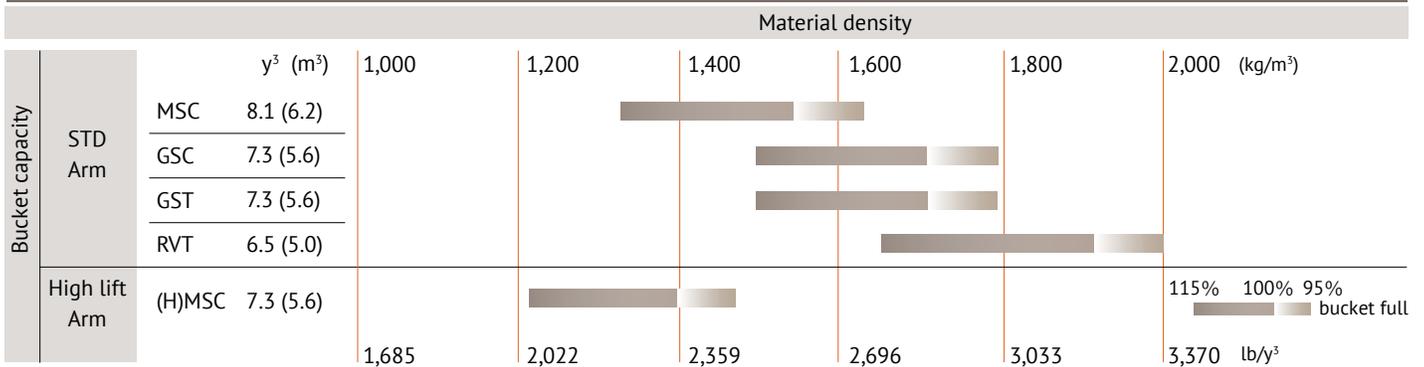
Equipped with 29.5R25 (L3) tubeless tire and ROPS cab.

SPECIFICATIONS

WEIGHTS AND DIMENSIONS

		Operating Weight	Tipping Load		Overall Width (Outside Tire)	Overall Height	Overall Length
			Straight	Full Turn			
Remove ROPS cab (for transport only)	lb (kg)	-1,540 (-700)	-1,370 (-620)	-1,190 (-540)	in (mm)	-1 1/2" (-40)	
Install lighter counterweight	lb (kg)	-1,170 (-530)	-2,690 (-1,220)	-2,340 (-1,060)	in (mm)		
Belly guard (transmission)	lb (kg)	+200 (+90)	+200 (+90)	+180 (+80)	in (mm)		
Tires: 29.5-25-28 (L-3)	lb (kg)	-660 (-300)	-460 (-210)	-420 (-190)	in (mm)		
29.5-25-28 (L-5)	lb (kg)	+1,460 (+660)	+1,040 (+470)	+900 (+410)	in (mm)	+1/2" (+10)	+1 1/2" (+40)
29.5R25 (L-3) (w/75% CaCl ₂)	lb (kg)	+4,190 (+1,900)	+3,000 (+1,360)	+2,600 (+1,180)	in (mm)		
875/65R29 (L-3)	lb (kg)	+1,340 (+610)	+950 (+430)	+840 (+380)	in (mm)	+6 1/4" (+160)	+1" (+25)

BUCKET SELECTION CHART



SPECIAL APPLICATIONS

WASTE HANDLING/REFUSE/RECYCLING



- Front Windshield Guard
- Belly Guard
- Wide Fin radiator
- Engine Precleaner (Turbine type)

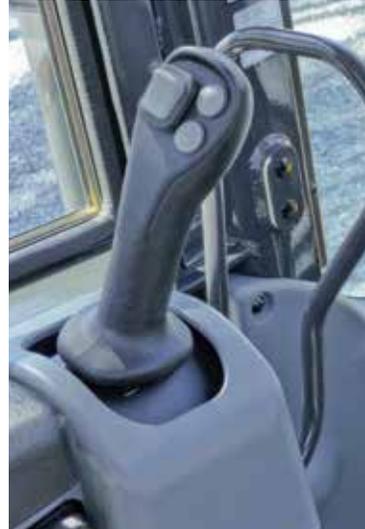
LOGGING/WOODCHIP



- Autolube system
- Log clamp
- 3rd spool valve
- Additional counterweight

SPECIAL OPTIONS

JOYSTICK STEERING, HYDRAULIC



EQUIPMENT DATA

STANDARD EQUIPMENT

ENGINE

Air cleaner, double element	Isuzu 6WG1 diesel engine
Auto idle shut down	Pre-cleaner (turbine type)
Cold start (glow plug)	SCR catalyst and DOC
Cooling fan, automatic reversible	VGT (variable geometry turbocharger)
EGR System	Work mode selector
Fuel filter (Main)	
Fuel pre-filter, w/water separator	

POWERTRAIN

Autobrake	Drive shafts, low maintenance
Brakes, service	F-R direction selector (2-column mounted/console mounted)
Enclosed wet disc	
Dual system	Lock-up torque converter
Mid mounted	Quick Power switch
Brake, parking	Transmission, automatic w/load sensing system.
Spring applied	
Oil pressure released	Transmission declutch (3-position L/H/Off)
Wet disc type	
Differential, torque proportioning type (F/R)	Transmission mode selection (3-position AUTO1/MAN/AUTO2)
Down-shift switch	Universal joints, sealed

HYDRAULIC SYSTEM

Boom kick-out, dual (operator adjustable in cab)	Pump, variable displacement, load-sensing
Bucket positioner (horizontal)	Steering, pilot
Control lever, dual, pilot-assisted	System; open-center, high-pressure, load-sensing
Control lever lock (electric)	
Control valve, 2-spool, parallel and tandem control	

ELECTRICAL

24-volt electrical system	Lights:
Back-up alarm	2 Headlights (halogen)
Batteries (2), 12V, 1,300 CCA	2 Forward working lights (halogen)
Battery disconnect switch	4 Rear working lights (halogen)
Camera, rear-view	2 Stop/tail/backup (LED)
Converter, 12V/15 Amp	Turn signal w/4-way flashers/marker
Horn, dual electric	
Instrument panel, LCD, color	

CAB

ROPS cab: enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, front hinge doors, sliding side windows.	Coat hook
Accessory outlet, 12v	Cup holder (2)
Adjustable armrest/console, (fore/aft sliding)	Floormat, sweep-out
Air conditioner/heater/pressurizer	Retractable seat belt (3-inch)
AM/FM/WB radio with AUX input	ROPS/FOPS certified
Ashtray	Seat, air suspension, fabric
Cab dome lamps (2)	Steering column, telescoping and tilting w/quick-release pedal
Cigarette lighter, 24V	Steering wheel
	Storage box (heated/cooled)
	Storage tray
	Sun visor

ALARMS, GAUGES AND INDICATORS

Alarms (visual & audible)	Gauges
Aftertreatment device	DEF/AdBlue tank level
Aftertreatment device regeneration system	Engine coolant temperature
Air cleaner element	Fuel gauge
Auto brake	Speedometer
Axle oil temperature	Tachometer
Battery discharge warning	Transmission oil temperature
Boost temperature rise	
Brake oil low pressure	Indicators
CAN network system	Auto idling stop
DEF/AdBlue tank level/quality/system	Aftertreatment device regeneration
Engine oil low pressure	Air conditioner display
Engine trouble	Boom kick-out, dual
Engine warning	Cold start
Exhaust gas temperature	Control lever lock
Fuel filter restriction	Declutch
Fuel filter (water in fuel)	ECO-Operating Status
Fuel temperature	Fan reverse rotation
Hydraulic oil level	F-N-R Selection
Hydraulic oil temperature	F-N-R Switch enable
Intake air temperature	High beam
Main pump oil pressure	Parking brake
Overheat (engine coolant)	Shift hold
Transmission filter restriction	Time/Operating hour/ODO
Transmission oil pressure	Traction Control
Transmission oil temp	Transmission mode and status
Transmission warning	Turn signal w/4-way flashers/Marker
	Work light
	Work mode (Normal, Power)

OTHERS

Articulation locking bar	Ladders, inclined
Counterweight	Lifting eyes
Drawbar	Linkage pins, HN bushing
Fenders, front, w/mudflap	Neutral safety start
Fenders, rear, full, w/mudflap	Rear grill, hinged
KCM Global e-service, telematic monitoring system (GSM-version w/4 yrs. service)	Steps, rear
	Vandalism protection
	Z-bar loader linkage

OPTIONAL EQUIPMENT

Autolube	Counterweight, refuse	Hydraulic system, 3 spool valve	Seat, heated
Belly guard, transmission	Joystick Steering	LED work lights	Secondary steering
Bolt-on cutting edge & segments	HID work lights	Quick coupler & attachments	Single lever hydraulic control w/multifunction grip
Bucket teeth	High lift boom arm	Ride control, automatic	



KCM LEGACY

▶ **KCM** REPUTATIONS ARE BUILT ON IT

KCM loaders have a rich heritage of quality, technology and outstanding support. The origins of KCM loaders can be traced to 1962 when Kawasaki Heavy Industries built their first articulated wheel loader in Japan. As one of the largest heavy industries in Japan, Kawasaki provided a depth of engineering expertise that eventually made their wheel loader a major global player. As they introduced the wheel loader into the North American market in 1978, they found a positive reception for a productive, high quality loader. They established a solid support system built around an extensive, independent network of dealers that were committed to provide quality support along with quality equipment. This strong dealer network has helped to propel the KCM loader to a prominent market position in North America.

A joint venture with Hitachi Construction Machinery Group was entered into in 2010 to further develop the global scope of the wheel loader product. This relationship combined the huge technological and manufacturing resources of Kawasaki Heavy Industries and Hitachi Construction Machinery Group together to develop the Z7 series of wheel loaders. This effort has resulted in a very productive, reliable, and cost effective product. As a subsidiary of Hitachi Construction Machinery Group, KCM Corporation is a global leader in the wheel loader market today.

The commitment of KCM Corporation to the North American market is significant. Outstanding parts availability, an unmatched factory component exchange program, customer and dealer training programs, and a wide range of services and programs, provide outstanding support for the KCM wheel loader. With manufacturing facilities in Banshu, Japan; Ryugasaki, Japan, and Newnan, Georgia KCM has the experience and technology to design, engineer, manufacture, and service your next wheel loader. The KCM team is focused on wheel loaders. Flexibility, responsiveness and ease of doing business are foundations of that commitment.

KCM Corporation

Hitachi Construction Machinery Group

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