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HITACHI ZW370

HIGH CAPACITY WHEEL LOADER



Tier 4 Final Certified

389 hp

Engine Output, Max, Gross
(ISO 14396)

386 hp

Engine Output, Max, Net
(ISO 9249)

8.1–8.5 yd³

Bucket Capacity

79,010–79,200 lbs

Operating Weight

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ENGINE

Gross power (ISO 14396)	389 HP/1,800 RPM
Net power (ISO 9249)	386 HP/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-drive, heat-sensing, pressurized radiator
Number of cylinders	6
Bore and stroke	5.8" x 6.2"
Piston displacement	957 in ³
Alternator	DC 24V-110A
Air cleaner	Dry type (double element)
Starter motor	DC 24V
Battery	DC 12V-1,170 CCA, 2 units

SYSTEMS REFILL CAPACITY

LOCATION	GALLONS
Fuel tank (diesel fuel)	115.7
Engine lubricant (including oil pan)	13.7
Engine coolant	18.2
T/M & T/C	18.7
Axle (front/rear)	25.1/25.1
Hydraulic oil tank	47.0
Hydraulic system (including hydraulic tank)	77.9
DEF/AdBlue [®] tank	15.0

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: 6.3" x 40.4"	
Tilt (bucket) cylinder	Two (2) double-acting piston type: 5.1" x 25.8"	
Steering cylinder	Two (2) double-acting piston type: 3.5" x 23.6"	
Main oil pump	Variable Piston type: 89.8 GPM/1,000 PSI @ 1,800 RPM	
Pilot oil pump	Variable Piston type: 23.8 GPM/3,260 PSI @ 1,800 RPM	

Relief valve set pressure	Loading	4,975 psi, 34.3 MPa
	Steering	3,998 psi, 27.5 MPa

	HYDRAULIC CYCLE TIME* front end loading, Z bar linkage system	
	Normal Mode	Power Mode
Lifting time (at full load)	6.4 sec.	6.4 sec.
Lowering time (empty)	4.2 sec.	4.2 sec.
Bucket dumping time	1.4 sec.	1.4 sec.
TOTAL	12.0 sec.	12.0 sec.

* Measured in accordance with SAE J732C

AXLE SYSTEM

Drive system	4-wheel drive
Front and rear axle	Full-floating type
Tires	875/65R29 (L-3)
Reduction and differential gear	Spiral bevel gear, torque proportioning, single stage reduction
Final drive	Heavy-duty planetary, outboard mounted
Oscillation angle	Total 18 (+9, -9)°

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.
- 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 HCMA dealer for additional information.

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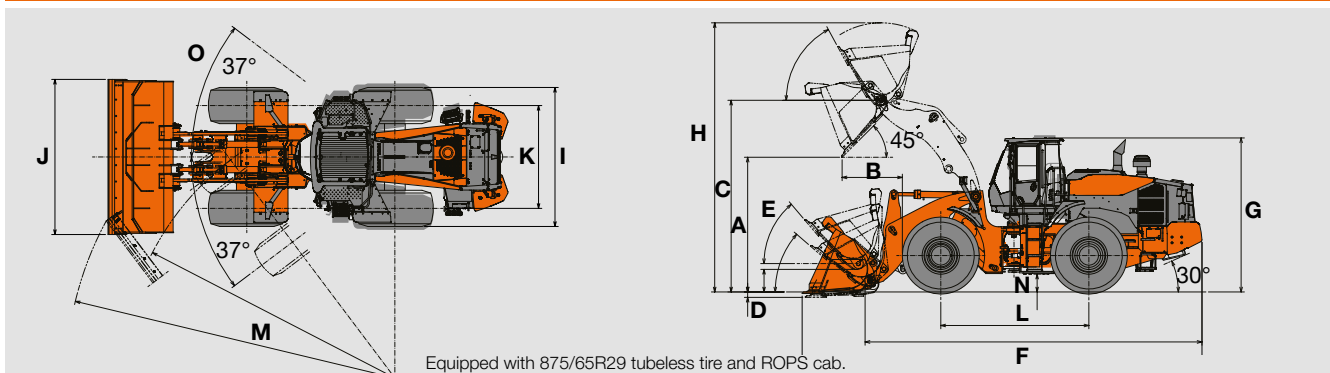
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BUCKET DATA

			Standard Boom	
			General Purpose	Material Handling
			Straight Edge With Bolt-on Cutting Edge	Straight Edge With Bolt-on Cutting Edge
				
Capacity	Heaped	yd ³	8.1	8.5
	Struck	yd ³	6.9	7.3
A	Maximum dumping clearance	ft-in	10'8"	10'7"
B	Dumping reach (to front of bucket edge or tooth)	ft-in	4'10"	5'2"
C	Max. hinge pin height	ft-in	15'4"	15'4"
D	Digging depth (with bucket level)	in	5"	5"
Breakout force		lb	49,280	47,250
Bucket tilt-back angle	at ground level	degree	41°	41°
	E at carry position	degree	50°	50°
Overall	F Length	ft-in	32'	32'2"
	G Height (up to cab top)	ft-in	12'3"	12'3"
	H Height (bucket fully raised)	ft-in	21'6"	21'7"
	I Width (outside tire)	ft-in	11'2"	11'2"
	J Width (outside bucket)	ft-in	12'5"	12'5"
K	Tread	ft-in	8'3"	8'3"
L	Wheel base	ft-in	11'10"	11'10"
Clearance Circle (bucket carry position)	M at outside of bucket	ft-in	26'3"	26'3"
	at outside of tire	ft-in	21'8"	21'9"
N	Minimum ground clearance	in	17"	17"
O	Full articulation angle	degree	37°	37°
Operating weight (with ROPS cab)		lb	79,010	79,200
Static tipping load (with ROPS cab)	Straight	lb	62,380	62,070
	Full turn	lb	53,340	53,100

DIMENSIONS



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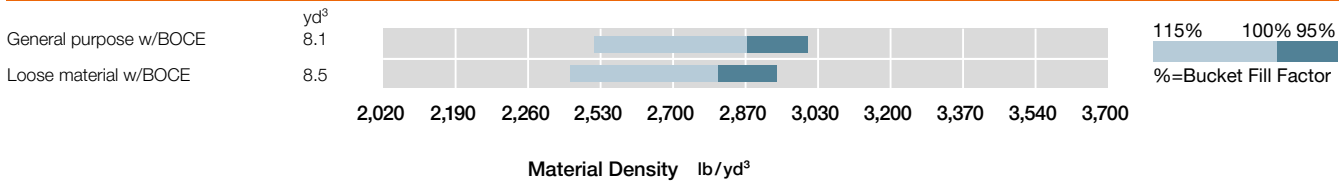


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WEIGHTS AND DIMENSIONS

		Operating Weight	Tipping Load		Overall Width (Outside Tire)	Overall Height	Overall Length
			Straight	Full Turn			
Remove ROPS cab (for transport only)	lb	-1,543	-1,367	-1,169	in	-5 1/2	
HIGH CAPACITY Counterweight	lb	+2,650			in		
Belly guard (transmission)	lb	+200	+175	+155	in		

BUCKET SELECTION CHART



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