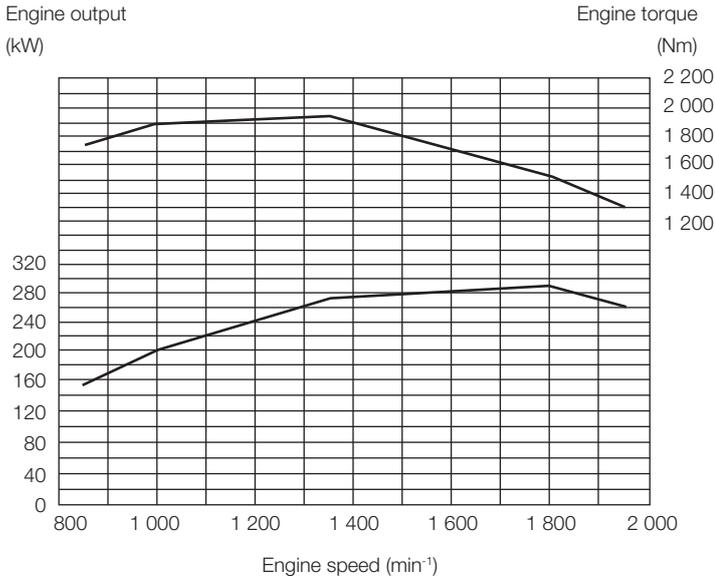


ZW370 SPECIFICATIONS

ENGINE

Model	Isuzu 6WG1
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharger and intercooled
Aftertreatment	Muffler filter
No. of cylinders	6
Maximum power	
Gross	290 kW (389 HP) at 1 800 min ⁻¹ (rpm)
ISO 9249, net	289 kW (388 HP) at 1 800 min ⁻¹ (rpm)
Maximum torque	1 940 Nm at 1 350 min ⁻¹ (rpm)
Bore and stroke	147 mm X 154 mm
Piston displacement	15.68 L
Batteries	2 x 12 V
Air cleaner	Two element dry type with restriction indicator



POWER TRAIN

Transmission	Torque converter, planetary gear type powershift with computer-controlled automatic shift and manual shift features included
Torque converter	Three element, single stage, single phase with lock-up clutch
Main clutch	Wet hydraulic, multi-disc type
Cooling method	Forced circulation type
Travel speed* Forward / Reverse	
1st	6.4 / 6.8 km/h
2nd	11.9 [12.9] / 12.7 km/h
3rd	20.2 [22.7] / 21.8 km/h
4th	37.7 [38.9] / — km/h

*with 29.5 R25 (L5) tires

Data at power mode are the same as data at standard mode.

[] : Data at Lock-up clutch ON

AXLE AND FINAL DRIVE

Drive system	Four-wheel drive system
Front & rear axle	Full-floating
Front	Fixed to the front frame
Rear	Trunion support
Reduction and differential gear	Two stage reduction with torque proportional differential (std) / limited slip differential (optional)
Oscillation angle	Total 24° (+12°, -12°)
Final drives	Heavy-duty planetary, mounted outboard

TIRES

Tire size	29.5 R25 (L5)
Optional	Refer to standard & optional equipment list

BRAKES

Service brakes	Outboard mounted fully hydraulic 4 wheel wet disc brake. Front & rear independent brake circuit
Parking brake	Spring applied, hydraulically released, located in front axle driveline

STEERING SYSTEM

Type	Articulated frame steering
Steering angle	Each direction 37° ; total 74°
Cylinders	Double-acting piston type
No. x Bore x Stroke	2 x 90 mm x 600 mm

HYDRAULIC SYSTEM

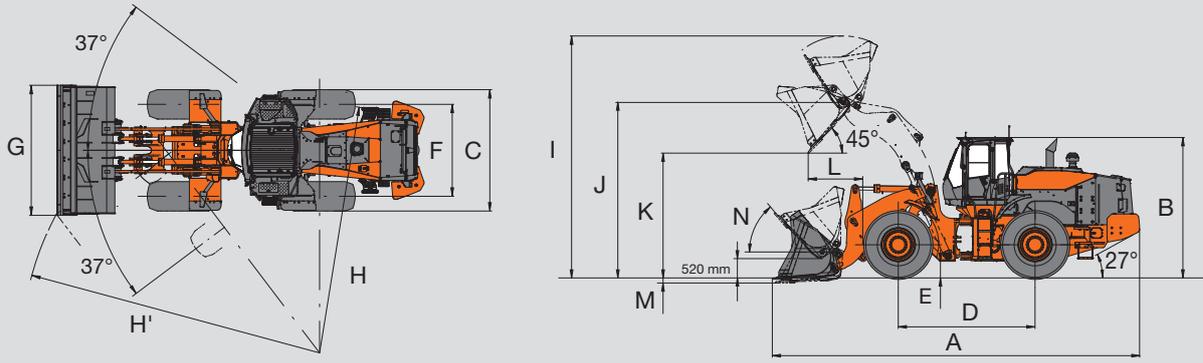
Arm and bucket are controlled by MF lever	
Arm controls	Four position valve ; Raise, hold, lower, float
Bucket controls with automatic bucket return-to-dig control	Three position valve ; Roll back, hold, dump
Main pump (serve as steering pump)	
.....	Variable displacement axial plunger pump
Maximum flow	340 L/min at 1 800 min ⁻¹ (rpm)
Maximum pressure ...	31.4 MPa
Fan pump	
.....	Variable displacement axial plunger pump
Maximum flow	90 L/min at 1 800 min ⁻¹ (rpm)
Maximum pressure ...	22.5 MPa
Hydraulic cylinders	
Type	Double acting type
No. x Bore x Stroke ...	Arm : 2 x 160 mm x 1 027 mm
	Bucket : 2 x 130 mm x 656 mm
Filters	Full-flow 15 micron return filter in reservoir
Hydraulic cycle times	
Lift arm raise	6.8 s (6.3 s)
Lift arm lower	4.5 s (4.5 s)
Bucket dump	1.2 s (1.2 s)
Total	12.5 s (12.0 s)

() : Data at Power Mode

SERVICE REFILL CAPACITIES

Fuel tank	438 L
Engine coolant	68 L
Engine oil	52 L
Torque convertor & transmission	70 L
Front axle differential & wheel hubs	110 L
Rear axle differential & wheel hubs	110 L
Hydraulic oil tank	178 L

DIMENSIONS & SPECIFICATIONS



Bucket type			Standard arm				High lift arm
			General purpose		Rock bucket		General purpose
			Straight edge		Straight edge	V-edge	Straight edge
			Bolt-on cutting edge	Bolt-on cutting edge	Bolt-on teeth	Bolt-on teeth	Bolt-on cutting edge
Bucket capacity	ISO heaped	m ³	5.6	6.2	4.8	5.0	5.6
	ISO struck	m ³	4.7	5.3	4.1	4.3	4.7
A Overall length		mm	9 635	9 735	9 795	9 975	10 055
B Overall height		mm			3 800		
C Width over tires		mm			3 230		
D Wheel base		mm			3 600		
E Ground clearance		mm			430		
F Tread		mm			2 440		
G Bucket width		mm	3 450	3 450	3 470	3 470	3 450
H Turning radius (centerline of outside tire)		mm			6 610		
H' Loader clearance radius, bucket in carry position		mm	7 850	7 890	7 920	7 920	8 030
I Overall operating height		mm	6 460	6 570	6 490	6 490	6 880
J Height to bucket hinge pin, fully raised		mm			4 700		5 110
K Dumping clearance 45 degree, full height		mm	3 350	3 290	3 220	3 090	3 770
L Reach, 45 degree dump, full height		mm	1 400	1 470	1 490	1 610	1 440
M Digging depth (horizontal digging angle)		mm	95	95	125	125	90
N Max. roll back at carry position		deg			50		49
Static tipping load*	Straight	kg	25 430	25 250	25 110	24 820	21 730
	Full 37 degree turn	kg	22 150	22 000	21 870	21 620	18 930
Breakout force		kgf	24 700	23 300	26 400	22 700	25 300
		kN	243	229	259	223	248
Operating weight*		kg	35 600	35 120	35 320	35 450	35 360

Note: All dimensions, weight and performance data based on ISO 6746-1:1987, ISO 7137:2009 and ISO 7546:1983

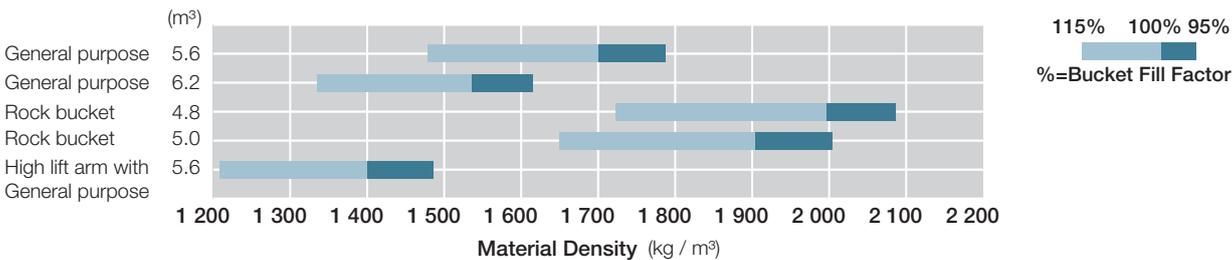
: Static tipping load and operating weight marked with include 29.5 R25 (L5) tires (No ballast) with lubricants, full fuel tank and operator.

Machine stability and operating weight depend on counterweight, tire size and other attachments.

WEIGHT CHANGE

Option item		Operating weight (kg)	Tipping load (kg)		Overall width (mm) (outside tire)	Overall height (mm)	Overall length (mm)
			Straight	Full turn			
Tire	29.5R25(L5)	± 0	± 0	± 0	± 0	± 0	± 0
	29.5R25(L3)	- 870	- 620	- 540	- 10	- 40	+ 35

BUCKET SELECTION GUIDE



EQUIPMENT

● Standard equipment

○ Optional equipment

OPERATOR'S STATION

Adjustable steering column with POP-UP	●
Air suspension seat with headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar support	●
AM/FM radio with AUX for digital audio player	●
Ashtray, cigar lighter	●
Auto control air conditioner with double intake filter	●
Coat hook	●
Front/Rear defroster	●
Rear view camera & monitor	●
Rear view mirrors	
Inside (2)	●
Outside (2)	●
Outside (Heated, 2)	○
Retractable seat belt, 50 mm	●
Retractable seat belt, 75 mm	○
ROPS (ISO3471), FOPS Level II (ISO3449) compliant cab: multi-plane isolation mounted for noise, vibration reduction	●
Rubber floor mat	●
Steering system	
Steering wheel	●
Lever steering	●
Joy stick steering is standard for Australia and available as option for New Zealand.	●
Storage	
Cup holder	●
Digital audio player holder	●
Document holder	●
Glove compartment	●
Hot & cool box	●
Seatback pocket	●
Sun visor	●
Textured steering wheel with spinner knob	●
Tinted safety glass: front windshield: laminated, others: tempered	●
Windshield washers for front and rear	●
Windshield wipers for front and rear	●

ELECTRICAL SYSTEM

Backup alarm	●
Batteries	
Standard batteries	●
Large capacity batteries	○
Battery disconnect switch	●
12 V power outlet	●

COOLING SYSTEM

Automatic reversible cooling fan with heat sensing	●
Fan guard	●
Standard fin pitch radiator	●

LIGHTS

Bracket and switch for rotating beacon	●
Brake & tail lights	●
Clearance lights	●
Headlights	●
Rotating beacon	●
Turn signals with hazard switch	●
Work lights	
Additional front lights on cab (2)	●
Front lights on cab (2)	●
Rear lights on cab (2)	●
Rear lights on rear grille side cover (2)	●

POWER TRAIN

Automatic transmission with load sensing system	●
Axle oil cooler	●
Clutch cut position switch	●
Differential	
TPD (Torque Proportioning Differential, front and rear)	●
LSD (Limited Slip Differential, front and rear)	○
DSS (Down Shift Switch)	●
Forward/Reverse lever	●
Forward/Reverse selector switch	●
Lock-up clutch (torque converter)	●
Power mode switch	●
Quick power switch	●
Traction control system	●
Travel mode selector (Auto1-Auto2)	●

ENGINE

Air filter double elements	●
Engine oil filter	●
Engine oil remote drain	●
Fuel pre-filter	●
Fuel main filter	●
Pre-cleaner (Sy-Klone)	●

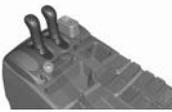
MONITORING SYSTEM

Gauge: coolant temperature, fuel	●
Indicator lights: clearance lights, control lever lock, fuel level, high beam, parking brake, preheat, turn signals, work lights	●
Indicator on multifunction monitor: air conditioner display, auto brake indicator, brake oil pressure gauge, clock, clutch cut off indicator, dual lift arm auto leveler, ECO indicator, fan reverse indicator, F-N-R/Shift position, forward/reverse selector switch indicator, hold display, hour meter, lock-up indicator, muffler filter, odometer, power mode indicator, ride control indicator, seat belt indicator, speedometer, tachometer, traction control indicator, transmission auto-shifting indicator, transmission oil temperature	●
Warning lights: air filter restriction, auto brake warning, brake oil low pressure, communication system error, discharge warning, engine oil low pressure, engine warning, hydraulic oil level, low steering oil pressure, overheat, transmission warning,	●

BRAKE SYSTEM

Front & rear independent brake circuit	●
Middle mounted fully hydraulic 4 wheel wet disc	●
Spring-set/Hydraulic-released parking brake	●

HYDRAULIC SYSTEM

Bucket auto leveler (Automatic return to dig control)	●
Control lever	
for 2 spools control valve	
2 levers	○
	
Multifunction lever (MF lever)	●
	
for 3 spools control valve	
2 levers & AUX lever for 3rd function - Outside layout pattern (Bucket - lift arm - 3rd)	○
	
MF lever & AUX lever for 3rd function	○
	
Control lever lock switch	●
Dual lift arm auto leveler	●
Hydraulic filters	●
Lift arm float system	●
Reservoir sight gauge	●
Ride control system (OFF-AUTO type)	●

TIRES

29.5 R25 (L3)	○
29.5 R25 (L5)	●

MISCELLANEOUS

Articulation lock bar	●
Belly guard (Bolt on type, front & rear)	●
Bucket cylinder guard	●
Counterweight, built-in	●
Drawbar with locking pin	●
Emergency steering	●
Fenders (Front & full covered rear fenders with mud flaps)	●
Global e-Service	●
Lift arm	
Standard lift arm	●
High lift arm	○
Lift & tie down hooks	●
Pilfer proof	
Battery cover with locking bracket	●
Lockable engine cover	●
Lockable fuel refilling cap	●