SPECIFICATIONS

EQUIPMENT

STANDARD EQUIPMENT

ENGINE
- Meets EPA Tier II non-road emissions regulations
- H/P mode control
- E mode control
- 50 A alternator
- Dry-type air double filters with evacuator valve (with safety element)
- Cartridge-type engine oil filter
- Cartridge-type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system
- Auto acceleration system

HYDRAULIC SYSTEM
- Work mode selector
- Engine speed sensing system
- E-P control system
- Power boost
- Auto power lift
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Boom-arm reduced drift valve
- Control valve with main relief valve
- Extra auxiliary port in control valve
- Suction filter
- Full-flow filter
- Pilot filter

CAB
- CRES (Center pillar Reinforced Structure) design
- All-weather sound-suppressed steel cab
- Tinted (bronze color) glass windows
- 4 fluid-filled elastic mounts
- Upper and lower front windows and left side windows that open
- Intermittent windshield retractable wipers
- Front window washer
- Deluxe suspension cloth seat with 4” (100 mm) adjustable armrests with lumbar support
- Footrest
- Electric double horn
- 12 V-60 W, 5 amp, cellular phone outlet
- AM-FM stereo with digital clock
- Auto-idle/acceleration selector
- Seat belt, 2” (50 mm) retractable
- Large cup holder
- Cigarette lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Transparent tinted overhead hatch with sunshade
- Pilot control shut-off lever
- Engine stop knob
- Auto-control air conditioning with heater

MONITOR SYSTEM
- Meters: Hourmeter, trip meter, engine coolant temperature gauge, and fuel gauge
- Warning lamps: Alternator charge, engine oil pressure, engine overheat, air filter restriction, and minimum fuel level
- Pilot lamps: Engine preheat, engine oil level, engine coolant level, hydraulic oil level, work light, auto-idle, auto-acceleration, digging mode, attachment mode
- Alarm buzzers: Engine oil pressure and engine overheat

LIGHTS
- 2 working lights

UPPERSTRUCTURE
- Undercover
- 15,000 lb (6 800 kg) counterweight (Zaxis 330)
- 16,600 lb (7 550 kg) counterweight (Zaxis 370)
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror (right and left side)
- Swing parking brake

UNDERCARRIAGE
- Travel parking brake
- Travel motor covers
- Track guards and hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals

FRONT ATTACHMENTS
- HN bushing
- WC thermal spraying
- Reinforced resin thrust plate
- Flanged pin
- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dust seal on all bucket pins

MISCELLANEOUS
- Lockable machine covers
- Lockable fuel filling cap
- Skid-resistant tapes, plates, handrails, and sidewalk
- Travel direction mark on track frame
- On-board MIC

OPTIONAL EQUIPMENT

330LC
- 8’ 9” (2.66 m) arm
- 10’ 6” (3.2 m) arm
- 13’ 1” (4.0 m) arm
- 24” (600 mm) reinforced triple grouser shoes
- 32” (800 mm) reinforced triple grouser shoes
- Undercarriage frame opening guard

330LC/370
- 8’ 9” (2.66 m) arm
- 10’ 6” (3.2 m) arm
- 13’ 1” (4.0 m) arm
- 30” (750 mm) reinforced triple grouser shoes
- Tropical door – left and right hand side
- Window vandal protection covers
- Auxiliary hydraulic and electric pilot contols
- Hydraulic filter restriction indicator kit
- Single pedal propel control
- Auxiliary hydraulic lines with shutoff valve
- Buckets: ditching, general purpose, general purpose high capacity, heavy-duty, heavy-duty high capacity, severe-duty cast lip, severe-duty plate lip, side cutters and teeth
- Heavy-duty grapple
- Hydraulic bucket material clamps
- Hydraulic coupler
- Seat belt, 3” (76 mm) non-retractable
- Alternate pilot control pattern
- Cab circulation fan
- Protection screens for cab front, rear and side
- 24- to 12-volt, DC radio converters, 10 amp
- Cab extention harness
- Secondary exit kit-top hatch
- Ripper
- Boom and arm anti-drift valves
- ISO Standard Falling Object Protective (FOPS) cab with integrated headguard
- Rub rail style guards
- Tool kit

HITACHI

These specifications are subject to change without notice. Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features.

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DKA330HT (04-04)

HITACHI

ZAXIS 330LC/370

Rated Engine
247 hp (180 kW)

Operating Weight
Zaxis 330LC : 73,500 lbs (33 339 kg)
Zaxis 370 : 82,100 lbs (37 239 kg)

Bucket Capacity
1.20 - 2.74 yd^3 (0.92 - 2.09 m^3)

One POWERFUL Solution

Smarter, faster, more productive yet more efficient–the versatile Hitachi Zaxis 330LC/370 can be found at construction sites, demolition sites and scrap yards. Boasting a cleaner yet more powerful engine and a host of new items as well as significant refinements, Zaxis is the next generation in excavator development.

High-Power Engine

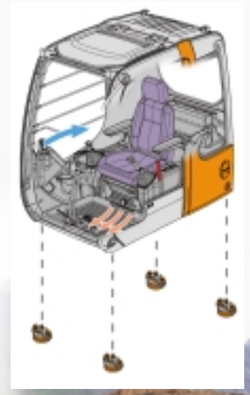
The Isuzu AA-6HK1X generates

- **237 hp @ 1,900 rpm in P mode (173 kW/min^{-1})**
- **247 hp @ 2,000 rpm in H/P mode (180 kW/min^{-1})**
- **644 lbf•ft max. torque @ 1,700 rpm (89 kgf•m/min^{-1})**

and meets EPA Tier II non-road emission regulations.

Rigid Undercarriage

A reshaped box design with X-beams helps disperse stress and boosts the overall rigidity of the entire undercarriage.



Safety, Comfort, and Convenience

The operator's compartment is designed for both comfort and operating efficiency.

Durable

Extensive steps have been taken to improve basic performance and overall durability.

Machine Information Center

The Machine Information Center captures and stores vital machine performance data such as engine speeds, hydraulic temperatures, pump pressures, alarms and faults, hours of operation, and more. The data is downloadable through a Palm™ Pilot and is transferred to your PC. Special PC software interprets the data and generates valuable machine performance reports and graphs highlighting machine utilization, performance history, and more to help users improve productivity and profit.

Multi-function Operations

The Zaxis 330LC/370 continues the Hitachi tradition of smooth, multi-functioning excavators. Executing combined operations such as simultaneous swinging and traveling are easy with Zaxis.

The Zaxis Advantage

Higher Productivity

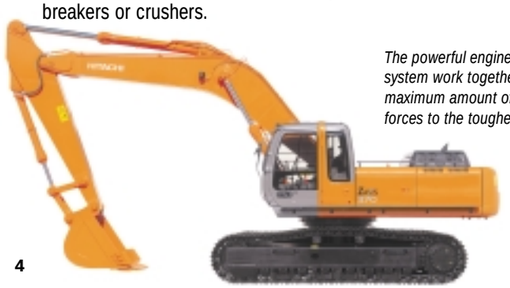
Zaxis uses the latest technologies to achieve lower total operational costs while boosting productivity. The bucket digging force (SAE:PCSA) is an impressive 46,500 lbf (21 100 kgf). Auto powerlift boosts power by 9% when the load is increased during scooping-up operation.

Cab Comfort

The Auto-control air conditioner allows you to set a specific temperature, then forget it. Bi-level air ducts are positioned throughout the cab to promote even air flow. A reshaped X-beam track frame, D-type frame and rigid cab bed work together with the 4 silicone-filled rubber cushions to reduce noise and vibration.

Work Modes

Simply select the “digging” mode for smooth, speedy front operations. Select “attachment” to use various hydraulic attachments like breakers or crushers.



The powerful engine and hydraulic system work together to bring the maximum amount of excavating forces to the toughest of job sites.

Cab Safety

The CRES (Center pillar Reinforced Structure) rigid cab is designed with safety in mind. The closed-section pillar and reinforcing members at central areas withstand vertical and horizontal external forces. This can help reduce the potential of operator injury in the event of an accident.

Operator Command

Switches and other essential controls are located near the operator. Key areas can be monitored at a glance. This helps keep operator movement to a minimum enhancing control and helping to fight fatigue.

Auto Acceleration

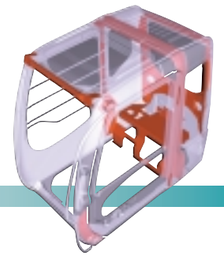
Engine speed is automatically controlled in response to the amount of lever operation. This helps reduce fuel consumption, especially during light-load work.

Lower Operating Costs

Strengthened components, longer lubrication intervals, reduced fuel consumption, 4,000-hour hydraulic oil and 1000-hour hydraulic oil filters extend Zaxis durability while reducing running and repair costs.

MIC (Machine Information Center)

Zaxis excavators monitor and store a variety of operational data. This includes: alarms given, error records, hours of operation, engine speed distribution, average pump pressure distribution for digging and travel, radiator coolant temperature, fuel level, swing, travel and front operation, and more. This data can be downloaded in the field to a palm-type computer, then uploaded onto your office PC for analysis.



Easy-to-read monitor panel.

Cab design both guards the operator and contributes to efficient operation through its comfortable, ergonomic layout and its CRES design.

Spec Summary

ENGINE

Model .....Isuzu AA-6HK1X
Type .....4-cycle water-cooled, direct injection
Aspiration .....Turbocharged, intercooled
No. of cylinders 6
Rated power SAE J1349, net
H/P mode .....247 hp (180 kW) @ 2,000 rpm (min^{-1})
P mode .....237 hp (173 kW) @ 1,900 rpm (min^{-1})
Maximum torque .....644 lbf•ft (89 kgf•m) @ 1,700 rpm (min^{-1})
Piston Displacement .....475 in^3 (7.790 L)
Bore and stroke .....4.53” x 4.92” (115 mm x 125 mm)
Batteries .....2 x 12 V, 97 AH
Governor .....Mechanical speed control by stepping motor

HYDRAULIC SYSTEM

Work mode selector allows operator to choose between Digging mode or Attachment mode.
Engine speed sensing system.
Main pumps .....2 variable displacement axial piston pumps
Max. oil flow .....2 x 76.6 US gpm (2 x 290 L/min, 2 x 63.8 lmp gpm)
Pilot pump .....1 gear pump
Max. oil flow .....8.5 US gpm (32 L/min, 7.0 lmp gpm)

Hydraulic Motors

Travel .....2 variable displacement axial piston motors
Swing .....1 axial piston motor

Relief Valve Settings

Implement circuit .....4,550 psi (320 kgf/cm^2)
Swing circuit .....4,550 psi (320 kgf/cm^2)
Travel circuit .....5,050 psi (355 kgf/cm^2)
Pilot circuit .....570 psi (40 kgf/cm^2)
Power boost .....4,980 psi (350 kgf/cm^2)

Hydraulic Cylinders

High-strength piston rod and tubes. Cylinder cushion mechanisms provided in all cylinders to absorb shocks at stroke ends.

Dimensions:

	Qty.	Bore	Rod Diameter
Boom	2	5.91” (150 mm)	4.13” (105 mm)
Arm	1	6.69” (170 mm)	4.53” (115 mm)
Bucket	1	5.71” (145 mm)	3.74” (95 mm)

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line and full-flow filters in the return line and swing/travel motor drain lines.

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame bolted to track frame. Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grousers made of induction-hardened rolled alloy. Flat and triangular shoes are also available. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Number of Rollers and Shoes on Each Side

Upper rollers 2
Lower rollers .....9 : 330LC
8 : 370
Track shoes .....48 : 330LC
45 : 370
Track guard .....1 : 330LC
single 2, double 1 : 370

Traction Device

Each track driven by 2-speed axial piston motor through planetary reduction gear for counter-rotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel.
Travel speeds High: .....0-3.4 mph (5.5 km/h) : 330LC
Low: .....0-2.4 mph (3.8 km/h) : 330LC
High: .....0-3.3 mph (5.3 km/h) : 370
Low: .....0-2.0 mph (3.2 km/h) : 370
Maximum traction force .....56,086 lbf (25 441 kgf) : 330LC
65,098 lbf (29 258 kgf) : 370
Gradeability .....35° (70%) continuous

UPPERSTRUCTURE

Revolving Frame

Welded, sturdy box construction, using heavy-gauge steel plates for ruggedness. D-section frame for resistance to deformation.

Swing Mechanism

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.
Swing speed .....11.8 rpm (min^{-1})
Swing torque .....75,115 lb•ft (10 388 kgf•m)

Operator’s Cab

Independent roomy cab, 40” (1 005 mm) wide by 66” (1 675 mm) high, conforming to ISO Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Adjustable, reclining seat with armrests; movable with or without control levers.

CONTROLS

Pilot controls for all functions. Hitachi’s original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil.
Implement levers 2
Travel levers with pedals 2

SERVICE REFILL CAPACITIES

	US gal	Liters	Imp gal
Fuel tank	148.0	560.0	123.2
Engine coolant	9.2	35.0	7.7
Engine oil	9.5	36.0	7.9
Swing mechanism (each side)	4.3	16.3	3.6
Travel final device (each side) 330	2.4	9.2	2.0
370	3.0	11.5	2.5
Hydraulic system	84.5	320.0	70.4
Hydraulic tank	40.7	154.0	33.9

WEIGHTS/GROUND PRESSURE

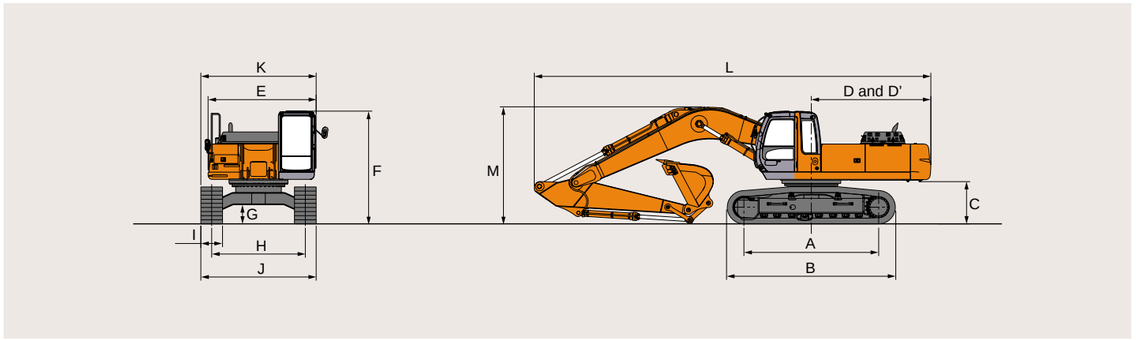
Standard North America backhoe model Zaxis 330LC:
21’ 0” (6.40 m) boom, 10’ 6” (3.20 m) arm, 1.83 yd^3 (1.4 m^3) PCSA heaped bucket, 31” (800 mm) triple grouser shoes. Zaxis 370 Standard North American has 30” (750 mm) triple grouser shoes.
Weight: .....73,500 lb (33 339 kg) : 330LC
82,100 lb (37 239 kg) : 370
Ground pressure: .....6.75 psi (0.47 kgf/cm^2) : 330LC
7.96 psi (0.56 kgf/cm^2) : 370
Other models available include 24” (600 mm) and 28” (700 mm) triple grouser shoes.

BACKHOE ATTACHMENTS

Boom and arms of all-welded, box-section design. 21’0” (6.40 m) boom, 8’9” (2.66 m), 10’6” (3.20 m), and 13’2” (4.0 m) arms are available. Bucket is all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

DIMENSIONS

ZAXIS330LC/370



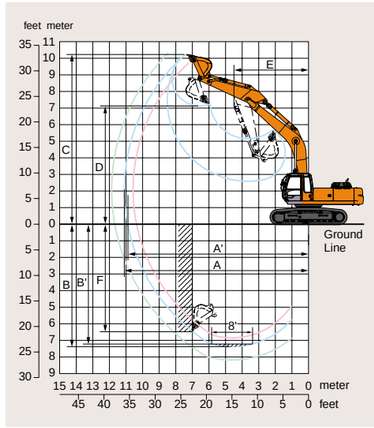
Unit: ft in (mm)

		ZAXIS330LC	ZAXIS370
A	Distance between tumblers	13'3" (4 050)	13'3" (4 050)
B	Undercarriage length	16'3" (4 940)	16'7" (5 060)
*C	Counterweight clearance	3'10" (1 160)	4'1" (1 250)
D	Rear-end swing radius	10'10" (3 310)	10'10" (3 310)
D'	Rear-end length	10'11" (3 320)	10'11" (3 320)
E	Overall width of upperstructure	9'10" (2 995)	9'10" (2 995)
F	Overall height of cab	10'4" (3 140)	10'8" (3 240)
*G	Min. ground clearance	1'8" (500)	1'10" (560)
H	Track gauge	8'6" (2 590)	8'6" (2 590)
I	Track shoe width	31" (G 800)	30" (G 750)
J	Undercarriage width	11'1" (3 390)	10'11" (3 340)
K	Overall width	11'1" (3 390)	10'11" (3 340)
L	Overall length		
	With 8'9" (2.66 m) arm	36'5" (11 090)	-
	With 10'6" (3.20 m) arm	36'0" (10 970)	**35'10" (10 930)
	With 13'1" (4.00 m) arm	36'3" (11 050)	-
M	Overall height of boom		
	With 8'9" (2.66 m) arm	11'5" (3 470)	-
	With 10'6" (3.20 m) arm	10'7" (3 230)	**10'8" (3 260)
	With 13'1" (4.00 m) arm	11'9" (3 570)	-
N	Track height With triple grouser shoes	3'4" (1 020)	3'9" (1 140)

* Excluding track shoe lug. G: Triple grouser shoe
** Equipped with H-front

WORKING RANGES

ZAXIS330LC/370



Unit: ft in (mm)

	ZAXIS330LC			ZAXIS370		
Arm length	8'9" (2.66 m)	10'6" (3.20 m)	13'1" (4.00 m)	8'9" (2.66 m)	10'6" (3.20 m)	13'1" (4.00 m)
A Max. digging reach	34'8" (10 570)	36'5" (11 100)	38'11" (11 860)	34'8" (10 570)	36'5" (11 100)	38'11" (11 860)
A' Max. digging reach (on ground)	34'0" (10 370)	35'9" (10 900)	38'4" (11 680)	34'0" (10 360)	35'9" (10 890)	38'4" (11 680)
B Max. digging depth	22'6" (6 850)	24'3" (7 380)	26'10" (8 180)	22'1" (6 730)	23'10" (7 270)	26'5" (8 052)
B' Max. digging depth (8' level)	21'10" (6 650)	23'8" (7 220)	26'5" (8 050)	21'6" (6 550)	23'4" (7 110)	26'1" (7 950)
C Max. cutting height	32'5" (9 870)	33'7" (10 230)	34'10" (10 620)	34'10" (10 620)	34'0" (10 360)	35'3" (10 740)
D Max. dumping height	22'5" (6 830)	23'5" (7 130)	24'7" (7 500)	22'9" (6 930)	23'9" (7 240)	29'11" (9 120)
E Min. swing radius	15'0" (4 570)	14'9" (4 490)	24'10" (4 520)	15'0" (4 570)	14'9" (4 490)	29'10" (9 090)
F Max. vertical wall	18'5" (5 620)	21'3" (6 480)	24'2" (7 370)	18'2" (5 540)	21'0" (6 410)	23'11" (7 290)
Bucket digging SAE : PCSA force*	48,220 lbf (21 870 kgf 214.5 kN)					
Arm crowd SAE : PCSA force*	43,000 lbf (19 510 kgf 191 kN)	37,400 lbf (16 970 kgf 166 kN)	32,140 lbf (14 580 kgf 143 kN)	43,000 lbf (19 510 kgf 191 kN)	37,400 lbf (16 970 kgf 166 kN)	32,140 lbf (14 580 kgf 143 kN)

Excluding track shoe lug * At power boost

BACKHOE BUCKETS

ZAXIS330LC/370

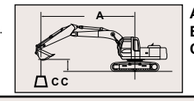
A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. The buckets have an adjustable bushing for side clearance, with the exception of the ditching bucket. Tooth selection includes either the John Deere Fanggs®, Standard, Tiger, Twin Tiger, Abrasion panel, or Flare tooth, or the ESCO (Vertalok) Standard, Tiger, Twin Tiger, or Flare tooth. Replaceable cutting edges are available through John Deere parts. Optional side cutters add 6 inches (150 mm) to bucket widths.

Type Bucket	Bucket Width		Bucket Capacity*		Weight		Arm Dig Force Dig Force		Arm Dig Force 8 ft. 9 in. (2.66 m)		Arm Dig Force 10 ft. 6 in. (3.2 m)		Arm Dig Force 13 ft. 1 in. (4.0 m)		Bucket Tip Radius		No. Teeth
	in.	mm	cu. yd.	m^3	lb.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	kN	in.	mm	
General-Purpose	30	762	1.20	0.92	1,770	803	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	4
Plate Lip	36	914	1.48	1.13	1,872	849	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	4
	42	1067	1.75	1.34	1,998	906	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	5
	48	1219	2.03	1.55	2,115	959	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	6
	54	1372	2.30	1.76	2,215	1005	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	7
	60	1524	2.59	1.98	2,338	1061	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	7
General-Purpose	30	762	1.26	0.96	2,420	1098	43,712	194.4	41,389	184.1	36,153	160.8	31,216	138.8	69.5	1765	4
High Capacity	36	914	1.56	1.19	2,550	1157	43,712	194.4	41,389	184.1	36,153	160.8	31,216	138.8	69.5	1765	4
	42	1067	1.85	1.41	2,710	1229	43,712	194.4	41,389	184.1	36,153	160.8	31,216	138.8	69.5	1765	5
	48	1219	2.15	1.64	2,815	1277	43,712	194.4	41,389	184.1	36,153	160.8	31,216	138.8	69.5	1765	5
	54	1372	2.45	1.87	2,982	1353	43,712	194.4	41,389	184.1	36,153	160.8	31,216	138.8	69.5	1765	6
	60	1524	2.74	2.09	3,089	1401	43,712	194.4	41,389	184.1	36,153	160.8	31,216	138.8	69.5	1765	7
Heavy-Duty	36	914	1.48	1.13	2,138	970	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	4
Plate Lip	42	1067	1.75	1.34	2,210	1002	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	5
	48	1219	2.03	1.55	2,324	1054	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	6
	54	1372	2.30	1.76	2,557	1160	48,220	214.5	43,000	191.3	37,396	166.3	32,136	142.9	63.0	1600	6
Heavy-Duty	30	762	1.26	0.96	2,516	1141	43,712	194.4	41,389	184.1	36,158	160.8	31,216	138.8	69.5	1765	4
High Capacity	36	914	1.56	1.19	2,781	1261	43,712	194.4	41,389	184.1	36,158	160.8	31,216	138.8	69.5	1765	4
	42	1067	1.85	1.41	3,120	1415	43,712	194.4	41,389	184.1	36,158	160.8	31,216	138.8	69.5	1765	5
	48	1219	2.15	1.64	3,318	1505	43,712	194.4	41,389	184.1	36,158	160.8	31,216	138.8	69.5	1765	6
	54	1372	2.45	1.87	3,562	1616	43,712	194.4	41,389	184.1	36,158	160.8	31,216	138.8	69.5	1765	6
Severe-Duty	42	1067	1.75	1.34	2,774	1258	46,730	207.9	42,486	189.0	37,003	164.6	32,222	143.3	65.0	1651	5
Cast Lip	48	1219	2.03	1.55	2,815	1277	46,730	207.9	42,486	189.0	37,003	164.6	32,222	143.3	65.0	1651	5
Severe-Duty	30	762	1.26	0.96	2,850	1293	41,038	182.5	40,347	179.5	34,010	151.3	26,940	119.8	74.0	1880	3
Plate Lip	36	914	1.56	1.19	3,024	1372	41,038	182.5	40,347	179.5	34,010	151.3	26,940	119.8	74.0	1880	4
	42	1067	1.85	1.41	3,343	1516	41,038	182.5	40,347	179.5	34,010	151.3	26,940	119.8	74.0	1880	4
	48	1219	2.15	1.64	3,522	1598	41,038	182.5	40,347	179.5	34,010	151.3	26,940	119.8	74.0	1880	5
Ditching	72	1829	1.66	1.27	2,531	1148	59,576	265.0	46,306	206.0	39,933	177.7	33,987	151.2	51.0	1295	0
	84	2134	3.42	2.61	3,369	1528	48,220	214.5	43,000	141.3	37,396	166.3	32,136	142.9	63.0	1600	0

*All capacities are SAE heaped ratings and with side cutters.

LIFTING CAPACITIES

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.



A: Load radius
B: Load point height
C: Lifting capacity

Rating over-side or 360 degrees Rating over-front

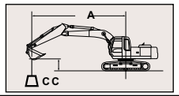
Unit: lb (kg)

ZAXIS330LC

Conditions	Load point height	Load radius: 10 ft. (3.05 m)		15 ft. (4.57 m)		20 ft. (6.10 m)		25 ft. (7.62 m)		30 ft. (9.15 m)	
Boom 21'0" (6.40 m)	20 ft. (6.10 m)							*15,903 (7214)	12,553 (5694)		
Arm 8'9" (2.66 m)	15 ft. (4.57 m)					*19,843 (9001)	17,682 (8021)	*17,194 (7799)	12,063 (5472)	14,136 (6412)	8,506 (3858)
Bucket	10 ft. (3.05 m)					*23,951 (10 864)	16,255 (7373)	18,867 (8558)	11,377 (5161)	13,826 (6271)	8,221 (3729)
2.3 yd^3 (1.76 m^3)	5 ft. (1.52 m)					25,927 (11 760)	15,059 (6831)	18,139 (8228)	10,724 (4864)	13,468 (6109)	7,892 (3580)
Shoe 24" (600 mm)	Ground Line					25,199 (11 430)	14,429 (6545)	17,636 (8000)	10,272 (4659)	13,204 (5989)	7,650 (3470)
	–5 ft. (–1.52 m)			*23,374 (10 602)	22,719 (10 305)	25,004 (11 342)	14,261 (6469)	17,429 (7906)	10,085 (4575)	13,150 (5965)	7,600 (3447)
	–10 ft. (–3.05 m)	*34,367 (15 589)	*34,367 (15 589)	*21,236 (9633)	*21,236 (9633)	25,191 (11 427)	14,422 (6542)	17,549 (7960)	10,194 (4624)		
	–15 ft. (–4.57 m)			*25,600 (11 612)	23,858 (10 822)	*20,618 (9352)	14,948 (6780)				
Boom 21'0" (6.40 m)	20 ft. (6.10 m)							*14,473 (6565)	12,754 (5785)	*8,723 (3957)	*8,723 (3957)
Arm 10'6" (3.2 m)	15 ft. (4.57 m)							*15,945 (7233)	12,230 (5547)	14,260 (6468)	8,605 (3903)
Bucket	10 ft. (3.05 m)			*31,935 (14 486)	25,772 (11 690)	*22,285 (10 108)	16,626 (7542)	*18,081 (8201)	11,508 (5220)	13,880 (6296)	8,256 (3745)
2.3 yd^3 (1.76 m^3)	5 ft. (1.52 m)					*26,176 (11 873)	15,295 (6938)	18,234 (8271)	10,791 (4895)	13,462 (6106)	7,872 (3571)
Shoe 24" (600 mm)	Ground Line			*21,194 (9614)	*21,194 (9614)	25,279 (11 466)	14,474 (6565)	17,634 (7999)	10,251 (4650)	13,126 (5954)	7,564 (3431)
	–5 ft. (–1.52 m)	*15,603 (7077)	*15,603 (7077)	*20,544 (9319)	*20,544 (9319)	24,905 (11 297)	14,151 (6419)	17,321 (7857)	9,970 (4522)	12,963 (5880)	7,414 (3363)
	–10 ft. (–3.05 m)	*25,984 (11 786)	*25,984 (11 786)	*26,208 (11 888)	22,761 (10 324)	24,953 (11 319)	14,192 (6437)	17,316 (7854)	9,966 (4521)		
	–15 ft. (–4.57 m)	*20,074 (9106)	*20,074 (9106)	*28,870 (13 095)	23,371 (10 601)	*22,802 (10 343)	14,572 (6610)	*16,970 (7698)	10,328 (4685)		
Boom 21'0" (6.40 m)	20 ft. (6.10 m)									*11,403 (5172)	9,071 (4115)
Arm 13'1" (4.0 m)	15 ft. (4.57 m)									*13,260 (6015)	8,802 (3992)
Bucket	10 ft. (3.05 m)			*26,288 (11 924)	*26,288 (11 924)	*19,583 (8883)	17,248 (7824)	*16,337 (7410)	11,784 (5345)	14,039 (6368)	8,382 (3802)
2.3 yd^3 (1.76 m^3)	5 ft. (1.52 m)			*35,209 (15 971)	24,259 (11 004)	*24,032 (10 901)	15,732 (7136)	18,456 (8372)	10,966 (4974)	13,537 (6140)	7,922 (3593)
Shoe 24" (600 mm)	Ground Line			*28,835 (13 079)	22,655 (10 276)	25,497 (11 565)	14,632 (6637)	17,706 (8031)	10,293 (4669)	13,101 (5943)	7,521 (3412)
	–5 ft. (–1.52 m)	*16,801 (7621)	*16,801 (7621)	*27,413 (12 434)	22,192 (10 066)	24,835 (11 265)	14,058 (6377)	17,233 (7817)	9,867 (4476)	12,815 (5813)	7,259 (3293)
	–10 ft. (–3.05 m)	*21,986 (9973)	*21,986 (9973)	*30,098 (13 652)	22,256 (10 095)	24,660 (11 186)	13,907 (6308)	17,063 (7740)	9,715 (4407)	12,747 (5782)	7,196 (3264)
	–15 ft. (–4.57 m)	*22,737 (10 313)	*22,737 (10 313)	*32,779 (14 868)	2,689 (10 292)	24,885 (11 288)	14,102 (6397)	17,222 (7812)	9,857 (4471)		
	–20 ft. (–6.10 m)			*24,969 (11 326)	23,551 (10 683)	*19,196 (8707)	14,704 (6670)				

LIFTING CAPACITIES

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.



A: Load radius
B: Load point height
C: Lifting capacity

ZAXIS330LC

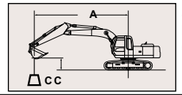
Rating over-side or 360 degrees | Rating over-front

Unit: lb (kg)

Conditions	Load point height	Load radius 10 ft. (3.05 m)		15 ft. (4.57 m)		20 ft. (6.10 m)		25 ft. (7.62 m)		30 ft. (9.15 m)	
Boom 21'0" (6.40 m) Arm 8'9" (2.66 m) Bucket 2.3 yd³ (1.76 m³) Shoe 32" (800 mm)	20 ft. (6.10 m)							*15,903 (7214)	12,920 (5860)		
	15 ft. (4.57 m)					*19,843 (9001)	18,167 (8240)	*17,194 (7799)	12,429 (5638)	14,599 (6622)	8,800 (3992)
	10 ft. (3.05 m)					*23,951 (10 864)	16,740 (7593)	*19,160 (8691)	11,744 (5327)	14,290 (6482)	8,516 (3863)
	5 ft. (1.52 m)					26,737 (12 128)	15,544 (7051)	18,729 (8495)	11,090 (5030)	13,931 (6319)	7,944 (3603)
	Ground Line					26,009 (11 798)	14,914 (6765)	18,225 (8267)	10,638 (8267)	13,667 (6199)	7,944 (3603)
	–5 ft. (–1.52 m)			*23,374 (10 602)	*23,374 (10 602)	25,814 (11 709)	14,746 (6689)	18,018 (8173)	10,452 (4741)	13,613 (6175)	7,895 (3581)
	–10 ft. (–3.05 m)	*34,367 (15 589)	*34,367 (15 589)	*21,236 (9633)	*21,236 (9633)	*25,874 (11 736)	14,907 (6762)	18,138 (8227)	10,560 (4790)		
	–15 ft. (–4.57 m)			*25,600 (11 612)	24,575 (11 147)	*20,618 (9352)	15,433 (7000)				
Boom 21'0" (6.40 m) Arm 10'6" (3.2 m) Bucket 2.3 yd³ (1.76 m³) Shoe 32" (800 mm)	20 ft. (6.10 m)							*14,473 (6565)	13,120 (5951)	*8,723 (3957)	*8,723 (3957)
	15 ft. (4.57 m)							*15,945 (7233)	12,596 (5714)	14,723 (6678)	8,899 (4037)
	10 ft. (3.05 m)			*31,935 (14 486)	26,489 (12 015)	*22,285 (10 108)	17,111 (7761)	*18,081 (8201)	11,875 (5386)	14,343 (6506)	8,550 (3878)
	5 ft. (1.52 m)					*26,176 (11 873)	15,780 (7158)	18,824 (8539)	11,157 (5061)	13,925 (6316)	8,166 (3704)
	Ground Line			*21,194 (9614)	*21,194 (9614)	26,089 (11 834)	14,959 (6785)	18,223 (8266)	10,618 (4816)	13,589 (6164)	7,858 (3564)
	–5 ft. (–1.52 m)	*15,603 (7077)	*15,603 (7077)	*20,544 (9319)	*20,544 (9319)	25,715 (11 664)	14,636 (6639)	17,910 (8124)	10,336 (4688)	13,426 (6090)	7,708 (3496)
	–10 ft. (–3.05 m)	*25,984 (11 786)	*25,984 (11 786)	*26,208 (11 888)	23,478 (10 650)	25,763 (11 686)	14,677 (6657)	17,905 (8122)	10,332 (4687)		
	–15 ft. (–4.57 m)	*20,074 (9106)	*20,074 (9106)	*28,870 (13 095)	24,089 (10 927)	*22,802 (10 343)	15,057 (6830)	*16,970 (7698)	10,694 (4851)		
Boom 21'0" (6.40 m) Arm 13'1" (4.0 m) Bucket 2.3 yd³ (1.76 m³) Shoe 32" (800 mm)	20 ft. (6.10 m)									*11,403 (5172)	9,361 (4246)
	15 ft. (4.57 m)									*13,260 (6015)	9,093 (4125)
	10 ft. (3.05 m)			*26,288 (11 924)	*26,288 (11 924)	*19,583 (8883)	17,726 (8040)	*16,337 (7410)	12,145 (5509)	*14,491 (6573)	8,673 (3934)
	5 ft. (1.52 m)			*35,209 (15 970)	24,967 (11 325)	*24,032 (10 901)	16,211 (7353)	*18,798 (8527)	11,327 (5138)	14,000 (6350)	8,212 (3725)
	Ground Line			*28,835 (13 079)	23,362 (10 597)	26,307 (11 933)	15,110 (6854)	18,295 (8299)	10,654 (4833)	13,564 (6152)	7,812 (3543)
	–5 ft. (–1.52 m)	*16,801 (7621)	*16,801 (7621)	*27,413 (12 434)	22,899 (10 387)	25,644 (11 632)	14,537 (6594)	17,822 (8084)	10,228 (4639)	13,278 (6023)	7,549 (3424)
	–10 ft. (–3.05 m)	*21,986 (9973)	*21,986 (9973)	*30,098 (13 652)	22,963 (10 416)	25,470 (11 553)	14,385 (6525)	17,652 (8007)	10,076 (4570)	13,210 (5992)	7,486 (3396)
	–15 ft. (–4.57 m)	*22,737 (10 313)	*22,737 (10 313)	*32,779 (14 868)	23,396 (10 612)	*25,124 (11 396)	14,580 (6613)	17,811 (8079)	10,218 (4635)		
	–20 ft. (–6.10 m)			*24,969 (11 326)	24,259 (11 004)	*19,196 (8707)	15,182 (6887)				

LIFTING CAPACITIES

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.



A: Load radius
B: Load point height
C: Lifting capacity

ZAXIS370

Rating over-side or 360 degrees | Rating over-front

Unit: lb (kg)

Conditions	Load point height	Load radius 10 ft. (3.05 m)		15 ft. (4.57 m)		20 ft. (6.10 m)		25 ft. (7.62 m)		30 ft. (9.15 m)	
Boom 21'0" (6.40 m) Arm 8'9" (2.66 m) Bucket 2.3 yd³ (1.76 m³) Shoe 30" (750 mm)	20 ft. (6.10 m)							*15,949 (7234)	14,921 (6768)		
	15 ft. (4.57 m)					*20,084 (9110)	*20,084 (9110)	*17,305 (7849)	14,411 (6537)	*15,790 (7162)	10,409 (4721)
	10 ft. (3.05 m)					*24,205 (10 979)	19,333 (8769)	*19,289 (8749)	13,720 (6223)	16,638 (7547)	10,116 (4589)
	5 ft. (1.52 m)					*27,531 (12 488)	18,167 (8240)	*21,137 (9588)	13,075 (5931)	16,282 (7385)	9,789 (4440)
	Ground Line					*28,844 (13 084)	17,571 (7970)	21,221 (9626)	12,638 (5733)	16,028 (7270)	9,555 (4334)
	–5 ft. (–1.52 m)			*22,777 (10 332)	*22,777 (10 332)	*28,203 (12 793)	17,426 (7904)	21,033 (9541)	12,469 (5656)		
	–10 ft. (–3.05 m)	*31,927 (14 482)	*31,927 (14 482)	*22,075 (10 013)	*22,075 (10 013)	*25,647 (11 633)	17,607 (7986)	*19,936 (9043)	12,599 (5715)		
	–15 ft. (–4.57 m)			*25,036 (11 356)	*25,036 (11 356)	*20,126 (9129)	18,164 (8239)				
Boom 21'0" (6.40 m) Arm 10'6" (3.2 m) Bucket 2.3 yd³ (1.76 m³) Shoe 30" (750 mm)	20 ft. (6.10 m)							*14,535 (6593)	*14,535 (6593)	*9,384 (4257)	*9,384 (4257)
	15 ft. (4.57 m)							*16,066 (7287)	14,576 (6612)	*14,889 (6754)	10,503 (4764)
	10 ft. (3.05 m)			*32,561 (14 770)	30,241 (13 717)	*22,557 (10 232)	19,699 (8935)	*18,223 (8266)	13,849 (6282)	*15,892 (7209)	10,148 (4603)
	5 ft. (1.52 m)					*26,371 (11 962)	18,392 (8343)	*20,334 (9223)	13,137 (5959)	16,272 (7381)	9,765 (4429)
	Ground Line			*21,241 (9635)	*21,241 (9635)	*28,421 (12 892)	17,605 (7986)	21,213 (9622)	12,612 (5721)	15,945 (7233)	9,465 (4293)
	–5 ft. (–1.52 m)	*16,747 (7596)	*16,747 (7596)	*19,852 (9005)	*19,852 (9005)	*28,505 (12 930)	17,307 (7850)	20,918 (9488)	12,348 (5601)	15,796 (7165)	9,328 (4231)
	–10 ft. (–3.05 m)	*25,683 (11 650)	*25,683 (11 650)	*26,716 (12 118)	*26,716 (12 118)	*26,701 (12 111)	17,369 (7879)	*20,769 (9421)	12,362 (5607)		
	–15 ft. (–4.57 m)	*21,048 (9547)	*21,048 (9547)	*28,391 (12 878)	28,117 (12 754)	*22,431 (10 175)	17,774 (8062)	*16,527 (7497)	12,759 (5787)		
Boom 21'0" (6.40 m) Arm 13'1" (4.0 m) Bucket 2.3 yd³ (1.76 m³) Shoe 30" (750 mm)	25 ft. (7.62 m)									*6,877 (3119)	*6,877 (3119)
	20 ft. (6.10 m)									*11,567 (5247)	10,978 (4980)
	15 ft. (4.57 m)							*14,143 (6415)	*14,143 (6415)	*13,326 (6045)	10,696 (4852)
	10 ft. (3.05 m)			*26,924 (12 213)	*26,924 (12 213)	*19,875 (9015)	*19,875 (9015)	*16,494 (7482)	14,119 (6404)	*14,577 (6612)	10,270 (4658)
	5 ft. (1.52 m)			*35,619 (16 157)	28,802 (13 065)	*24,278 (11 012)	18,813 (8534)	*18,942 (8592)	13,305 (6035)	*15,946 (7233)	9,810 (4450)
	Ground Line			*28,564 (12 957)	27,294 (12 380)	*27,298 (12 382)	17,745 (8049)	*20,865 (9464)	12,645 (5736)	15,913 (7218)	9,416 (4271)
	–5 ft. (–1.52 m)	*17,524 (7949)	*17,524 (7949)	*27,494 (12 471)	26,875 (12 190)	*28,428 (12 895)	17,202 (7803)	20,820 (9444)	12,236 (5550)	15,639 (7094)	9,164 (4157)
	–10 ft. (–3.05 m)	*21,450 (9730)	*21,450 (9730)	*30,337 (13 761)	26,965 (12 231)	*27,696 (12 563)	17,073 (7744)	20,670 (9376)	12,101 (5489)	15,586 (7070)	9,116 (4135)
	–15 ft. (–4.57 m)	*23,376 (10 603)	*23,376 (10 603)	*32,408 (14 700)	27,421 (12 438)	*24,871 (11 281)	17,290 (7843)	*19,107 (8667)	12,265 (5563)		
	–20 ft. (–6.10 m)			*24,308 (11 026)	*24,308 (11 026)	*18,637 (8454)	17,927 (8132)