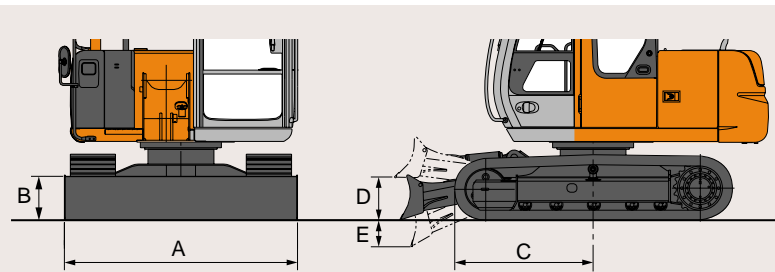


BACKFILL BLADE (DETAIL)



- A Overall width of blade..... 7'7" (2 320 mm)
- B Overall height of blade..... 1'5" (435 mm)
- C Blade distance..... 6'3" (1 910 mm)
- D Max. raising height above ground..... 1'4" (400 mm)
- E Max. lowering depth from ground..... 11.0" (280 mm)

EQUIPMENT

STANDARD EQUIPMENT

ENGINE

- Meets EPA Tier II non-road emissions regulations
- P mode control
- E mode control
- 30 A alternator
- Dry-type air filter 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

HYDRAULIC SYSTEM

- E-P control system
- 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 for control valve
- Suction filter
- Full-flow filter
- Pilot filter

CAB

- CRES (Center pillar Reinforced Structure) cab
- All-weather sound-suppressed steel cab
- Reinforced, tinted glass windows
- 4 fluid-filled elastic mounts
- Upper and lower front windows and left side windows that open
- Intermittent windshield wipers
- Front window washer
- Deluxe reclining suspension cloth seat with armrests and lumbar support
- Footrest
- Transparent tinted overhead hatch with sunshade
- Electric double horn
- 12 V-60 W, 5 amp, cellular phone outlet

- Coat hook
- AM-FM stereo with digital clock
- Auto-idle selector
- Seat belt, 2" (50 mm) retractable
- Large cup holder
- Cigar lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Heater
- Pilot control shut-off lever
- Engine stop knob
- Auto-control air conditioner

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, work light, auto-idle
- Alarm buzzers:
 - Engine oil pressure and engine overheat

LIGHTS

- 2 working lights

UPPERSTRUCTURE

- Undercover
- 1,763 lb (800 kg) counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Rearview mirror (right & left side)
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Hydraulic track adjuster

- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 24" (600 mm) triple grouser shoes
- Motion alarm with cancel switch
- Backfill blade

FRONT ATTACHMENTS

- HN bushing
- WC thermal spraying
- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Dirt seal on all bucket pins

MISCELLANEOUS

- Lockable fuel filling cap
- Handrails
- Travel direction mark on track frame
- On-board MIC

OPTIONAL EQUIPMENT

- One-piece boom
- Off-set boom with 5' 4" (1.62 m) arm
- 5' 4" (1.62 m) arm
- 6' 11" (2.12 m) arm
- 18" (450 mm) rubber crawler pads
- Window vandal protection covers
- Auxiliary hydraulic and electric pilot controls
- Hydraulic filter restriction indicator kit
- Auxiliary lines with shutoff valve
- Buckets: heavy-duty with teeth and ditching
- Seat belt, 3" (76 mm) non-retractable
- Alternate pilot control pattern
- Cab circulation fan
- 24- to 12-volt, DC radio converters, 10 amp
- Secondary exit kit-top hatch
- Upper and lower front window guards
- Lockable machine covers

HITACHI

Hitachi Construction Products

P.O. Box 8806 • 1515 5th Avenue • Moline, IL 61265

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DKAZX80HT (04-04)

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.



Zaxis80

HITACHI

Zaxis

80

Rated Engine
52 hp (39 kW)

Operating Weight
15,905 lbs (7 215 kg)

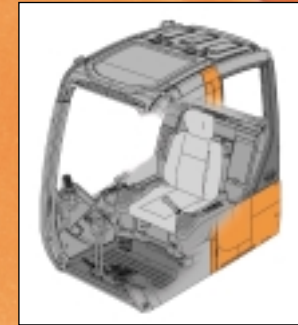
Bucket Capacity
0.19 - 0.75 yd³ (0.15 - 0.57 m³)

SMARTER and FASTER

Smarter, faster, more productive yet more efficient—the versatile Hitachi Zaxis 80 can be found at construction sites all over the world. 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.

Durable

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



Safety, Comfort, and Convenience

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

Rigid Undercarriage

The overall rigidity of the entire undercarriage has been strengthened for increased durability.

High-Power Engine

The Isuzu CC-4JG1 generates

- 52 hp @ 2,100 rpm in (39 kW/min⁻¹)
- 142 lbf•ft max. torque @ 1,800 rpm (19.6 kgf•m/min⁻¹)

and meets EPA Tier II non-road emission regulations.

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.

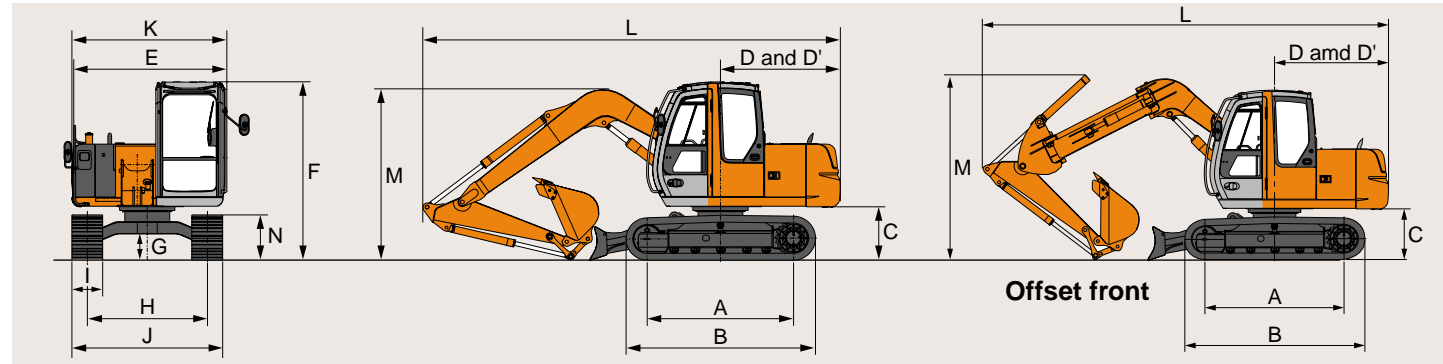
Multi-function Operations

The Zaxis 80 continues the Hitachi tradition of smooth, multi-functioning excavators. Executing combined operations such as simultaneous swinging and traveling are easy with Zaxis.



DIMENSIONS / WORKING RANGES

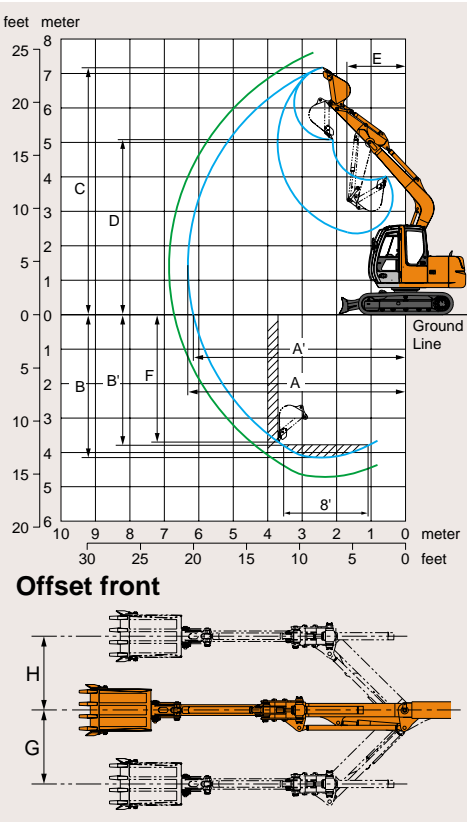
ZAXIS80



Unit: ft in (mm)

	ZAXIS80	ZAXIS80 with Off-set front
A Distance between tumblers	7'0" (2 140)	7'0" (2 140)
B Undercarriage length	9'1" (2 765)	9'1" (2 765)
*C Counterweight clearance	2'6" (760)	2'6" (760)
D Rear-end swing radius	5'9" (1 750)	5'9" (1 750)
D' Rear-end length	5'9" (1 750)	5'9" (1 750)
E Overall width of upperstructure	7'5" (2 260)	7'5" (2 260)
F Overall height of cab	8'6" (2 600)	8'6" (2 600)
*G Min. ground clearance	1'2" (360)	1'2" (360)
H Track gauge	5'9" (1 750)	5'9" (1 750)
I Track shoe width	G 24" (600)	G 24" (600)
J Undercarriage width	7'3" (2 200)	7'3" (2 200)
K Overall width	7'5" (2 260)	2 260 (7'5")
L Overall length		
With 5'4" (1.62 m) arm	19'11" (6 080)	20'4" (6 200)
With 6'11" (2.12 m) arm	20'1" (6 120)	
M Overall height of boom		
With 5'4" (1.62 m) arm	8'4" (2 550)	9'3" (2 810)
With 6'11" (2.12 m) arm	9'5" (2 880)	
N Track height	2'2" (655)	2'2" (655)

* Excluding track shoe lug. G: Triple grouser shoe



Unit: ft in (mm)

Arm length	ZAXIS80		ZAXIS80 with Off-set front	
	5'4" (1.62 m)	6'11" (2.12 m)	5'4" (1.62 m)	
A Max. digging reach	20'9" (6 320)	22'4" (6 810)	20'9" (6 320)	19'3" (5 875)
A' Max. digging reach (on ground)	20'3" (6 170)	21'11" (6 670)	20'3" (6 165)	19'2" (5 840)
B Max. digging depth	13'8" (4 170)	15'4" (4 670)	13'8" (4 160)	12'2" (3 710)
B' Max. digging depth (8' level)	12'6" (3 820)	14'2" (4 320)	12'5" (3 780)	10'11" (3 330)
C Max. cutting height	23'6" (7 150)	24'9" (7 550)	23'5" (7 130)	22'3" (6 775)
D Max. dumping height	16'7" (5 060)	17'11" (5 450)	16'9" (5 050)	15'5" (4 700)
E Min. swing radius	5'8" (1 720)	6'10" (2 080)	6'11" (2 100)	6'11" (2 100) / 7'5" (2 260)*
F Max. vertical wall	12'3" (3 730)	14'1" (4 280)	11'8" (3 550)	10'2" (3 090)
G Left side off-set dist.	-	-	-	3'9" (1 150)
H Right side off-set dist.	-	-	-	3'9" (1 150)
Bucket digging force SAE : PCSA	11,220 lbf (5 089 kgf)			
Arm crowd force SAE : PCSA	8,425 lbf (3 821 kgf)	7,190 lbf (3 261 kgf)	8,200 lbf (3 700 kgf)	

Excluding track shoe lug

BACKHOE BUCKETS

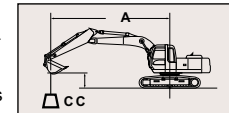
A full line of buckets is offered to meet a wide variety of applications. Tooth selection includes either the John Deere Fanggs® tooth or Tiger, Twin Tiger, Flare, or Star tooth. Replaceable cutting edges are available through Hitachi parts.

Type Bucket	Bucket Width		Bucket Capacity*		Weight		Bucket Dig Force		Arm Dig Force 5 ft. 4 in. (1.62 m)		Arm Dig Force 6 ft. 11 in. (2.12 m)		Bucket Tip Radius		No. Teeth
	in.	mm	cu. yd.	m ³	lb.	kg	lb.	kN	lb.	kN	lb.	kN	in.	mm	
Heavy-Duty Plate Lip	18	460	0.19	0.15	421	191	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	4
	24	610	0.27	0.21	495	225	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	5
	30	760	0.36	0.28	522	237	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	6
	36	915	0.45	0.34	544	247	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	7
Ditching	42	1 065	0.65	0.50	584	265	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	8
	42	1 065	0.53	0.41	472	214	12,465	55.4	8,845	39.3	7,435	33.1	34.1	866	0
	48	1 220	0.60	0.46	492	223	12,465	55.4	8,845	39.3	7,435	33.1	34.1	866	0
	60	1 525	0.75	0.57	564	256	12,465	55.4	8,845	39.3	7,435	33.1	34.1	866	0

*All capacities are SAE heaped ratings.

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

Unit: lb (kg)

ZAXIS80

Rating over-front Rating over-side or 360 degrees

Conditions with blade on ground	Load point height	Load radius							
		5 ft. (1.52 m)		10 ft. (3.05 m)		15 ft. (4.57 m)		20 ft. (6.10 m)	
Boom 12'2" (3.72 m)	10 ft. (3.05 m)								
Arm 5'4" (1.62 m)	5 ft. (1.52 m)								
Bucket	Ground Line								
.36 yd ³ (.28 m ³)	-5 ft. (-1.52 m)	*7,935 (3 599)	*7,935 (3 599)	5,670 (2 572)	4,687 (2 126)	2,946 (1 336)	2,503 (1 135)		
Shoe 24" (600 mm)	-10 ft. (-3.05 m)			*5,210 (2 363)	4,844 (2 197)				
Boom 12'2" (3.72 m)	15 ft. (4.57 m)								
Arm 6'11" (2.12 m)	10 ft. (3.05 m)								
Bucket	5 ft. (1.52 m)								
.36 yd ³ (.28 m ³)	Ground Line								
Shoe 24" (600 mm)	-5 ft. (-1.52 m)	*6,604 (2 996)	*6,604 (2 996)	*7,264 (3 295)	4,638 (2 104)	*4,636 (2 103)	2,480 (1 125)		
	-10 ft. (-3.05 m)	*10,373 (4 705)	*10,373 (4 705)	*6,098 (2 766)	4,730 (2 146)				
Boom (offset)	15 ft. (4.57 m)								
12'2" (3.72 m)	10 ft. (3.05 m)								
Arm 5'4" (1.62 m)	5 ft. (1.52 m)								
Bucket	Ground Line								
.36 yd ³ (.28 m ³)	-5 ft. (-1.52 m)								
Shoe 24" (600 mm)	-10 ft. (-3.05 m)								