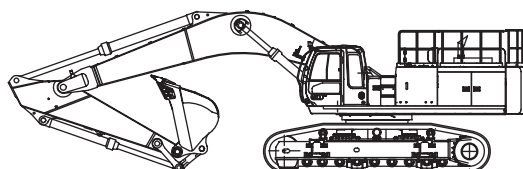


HITACHI ZAXIS800/850H

engine rated power
340 kW / 454 HP

operating weight
ZAXIS800: 73 900 - 77 400 kg
ZAXIS850H: 75 900 - 76 100 kg

bucket capacity
SAE, PCSA heaped : 1.5 - 4.3 m³
CECE heaped : 1.3 - 3.8 m³



HITACHI

Service refill capacities

Fuel tank	901.0 l
Engine coolant	107.0 l
Engine oil	55.0 l
Pump drive	7.0 l
Swing mechanism (each side)	15.0 l
Travel final device (each side)	21.0 l
Hydraulic system	
Backhoe	670.0 l
Hydraulic tank	324.0 l

Weights and ground pressure

BACKHOE

ZAXIS800:

Equipped with 8.25 boom, 3.60 m arm, and 3.4 m³ (SAE, PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm	73 900 kg	101 kPa (1.03 kgf/cm ²)
Double grouser	750 mm	74 600 kg	88 kPa (0.90 kgf/cm ²)
Double grouser	900 mm	75 600 kg	74 kPa (0.75 kgf/cm ²)

ZAXIS800:

Equipped with 7.1 m BE-boom, 2.95 m BE- arm, and 4.3 m³ (SAE, PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm	75 700 kg	103 kPa (1.05 kgf/cm ²)
Double grouser	750 mm	76 400 kg	90 kPa (0.92 kgf/cm ²)
Double grouser	900 mm	77 400 kg	76 kPa (0.78 kgf/cm ²)

ZAXIS850H:

Equipped with 8.20 m H-boom, 3.60 m H-arm, and 3.4 m³ (SAE, PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm	75 900 kg	103 kPa (1.05 kgf/cm ²)

ZAXIS850H:

Equipped with 7.1 m BE-boom, 3.60 m H-arm, and 3.6 m³ (SAE, PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm	76 100 kg	104 kPa (1.06 kgf/cm ²)

LOADING SHOVEL

ZAXIS800:

Equipped with 4.0 m³ bottom dump bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm	77 700 kg	106 kPa (1.08 kgf/cm ²)

ZAXIS850H:

Equipped with 3.6 m³ bottom dump rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm	78 700 kg	107 kPa (1.09 kgf/cm ²)

Backhoe attachments

Boom and arms of all-welded, box-section design. 7.10 m BE-boom, 8.25 m boom, 10.0 m long boom, 8.20 m H-boom, 2.95 m BE-arm, 3.60 m, 3.60 m H-arm, 4.40 m arm, 5.40 m arm and 9.50 m long arms are available. Bucket is all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

Booms and arms are available as follows:

	Boom	Arm
ZAXIS800	7.10 m BE-boom	2.95 m BE-arm
	8.25 m	3.60 m, 4.40 m and 5.40 m
	10.0 m	5.40 m and 9.50 m
ZAXIS850H	8.20 m H-boom	3.60 m H-arm
	7.10 m BE-boom	3.60 m H-arm
	7.10 m BE-boom	2.95 m BE-arm

Loading shovel attachments

Boom and arm are of all-welded, box-section design.

Efficient, automatic level crowding achieved by one-lever control because the parallel link mechanism keeps the bucket digging angle constant, and level cylinder circuit maintains the bucket height constant. (Auto-Leveling Crowd Mechanism)

BUCKETS

Capacity		Width		No. of teeth	Weight	Recommendation								
						ZAXIS800						ZAXIS850H		
						BE-front	8.25 m				10.0 m	BE-front	H-front	
						7.1 m BE-boom	boom				boom	7.1 m BE-boom	8.2 m H-boom	
SAE (PCSA) heaped	CECE heaped	Without side cutters	With side cutters			2.95 m BE-arm	3.6 m arm	4.4 m arm	5.4 m arm	5.4 m arm	9.5 m arm	2.95 m BE-arm	3.6 m H-arm	3.6 m H-arm
1.5 m ³	1.3 m ³	1 270 mm	1 400 mm	5	1 130 kg	×	×	×	×	×	○	×	×	×
1.8 m ³	1.6 m ³	1 220 mm	1 360 mm	5	1 870 kg	×	×	×	○	○	×	×	×	×
2.2 m ³	2.0 m ³	1 450 mm	1 590 mm	5	2 140 kg	×	×	×	×	—	×	×	×	×
2.4 m ³	2.2 m ³	1 420 mm	1 560 mm	5	2 350 kg	×	○	○	×	×	×	×	○	—
2.8 m ³	2.4 m ³	1 510 mm	1 700 mm	5	2 400 kg	×	○	○	×	×	×	×	○	—
3.4 m ³	3.0 m ³	1 850 mm	2 040 mm	5	2 650 kg	×	○	—	×	×	×	×	○	—
4.3 m ³	3.8 m ³	—	2 130 mm	5	3 580 kg	○	×	×	×	×	×	○	×	×
*1 3.4 m ³	3.0 m ³	—	1 940 mm	5	3 460 kg	×	—	—	×	×	×	×	●	●
*1 3.6 m ³	3.2 m ³	—	1 960 mm	5	3 490 kg	×	—	—	×	×	×	×	●	—
*1 4.3 m ³	3.8 m ³	—	2 130 mm	5	4 100 kg	—	×	×	×	×	×	●	×	×
*2 1.9 m ³	1.7 m ³	—	1 490 mm	3	4 100 kg	×	—	—	×	×	×	×	●	●
*2 2.2 m ³	2.0 m ³	—	1 580 mm	3	4 300 kg	—	×	×	×	×	×	●	×	×
One-point ripper					1	2 600 kg	—	×	×	×	×	×	●	●

○ Suitable for materials with density of 1 800 kg/m³ or less

● Heavy-duty service

— Not applicable

× Cannot be installed

*1 Rock bucket.

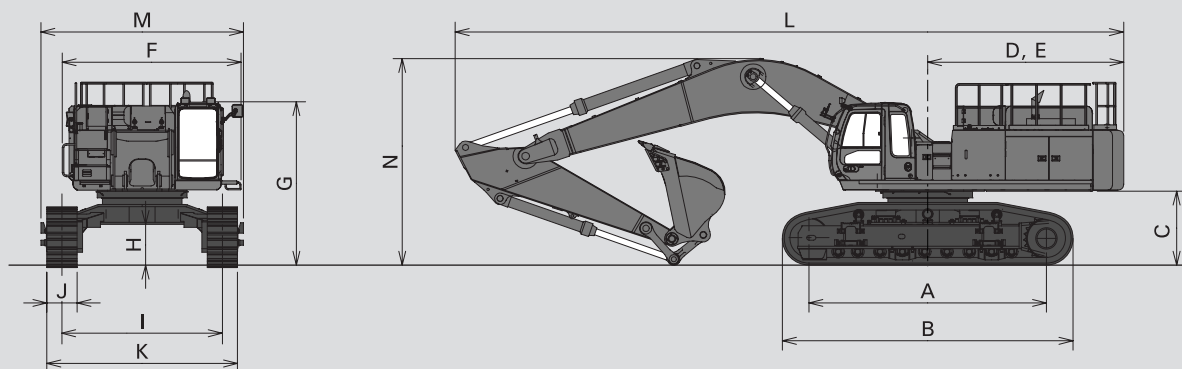
*2 Ripper bucket.

LOADING SHOVEL BUCKET (PCSA HEAPED)

Type	Capacity	Max. width	No. of teeth	Weight
Bottom dump type rock bucket	3.6 m ³	2 300 mm	6	6 080 kg
Bottom dump type general purpose bucket	4.0 m ³	2 460 mm	6	5 620 kg
Tilt dump type rock bucket	4.0 m ³	2 360 mm	6	4 980 kg
Tilt dump type general purpose bucket	4.4 m ³	2 520 mm	6	4 630 kg

SPECIFICATIONS

Dimensions: Backhoe



NOTE: This illustration shows ZAXIS800.

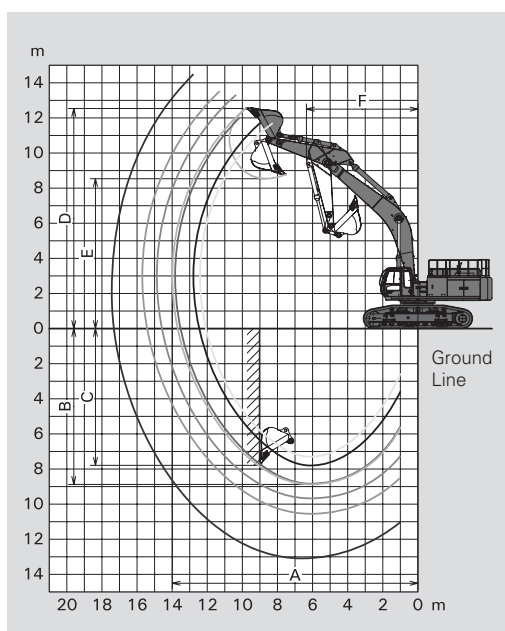
Unit: mm

	ZAXIS800	ZAXIS850H
A Sprocket center to idler centre	5 110	5 110
B Undercarriage length	6 350	6 350
*C Counterweight clearance	1 590	1 590
D Rear-end swing radius	4 300	4 300
E Rear-end length	4 220	4 220
F Overall width of upper structure	3 850	3 850
G Overall height of cabin	3 520	3 640
*H Minimum ground clearance	880	880
I Track gauge	3 450	3 450
J Track shoe width	650	650
K Undercarriage width: Extended / Retracted	4 100 / 3 480	4 100 / 3 480
L Overall length	14 320	13 850
M Overall width	4 360	4 360
N Overall height of boom	4 480	4 900

* Excluding track shoe lug

Working ranges

Unit: mm

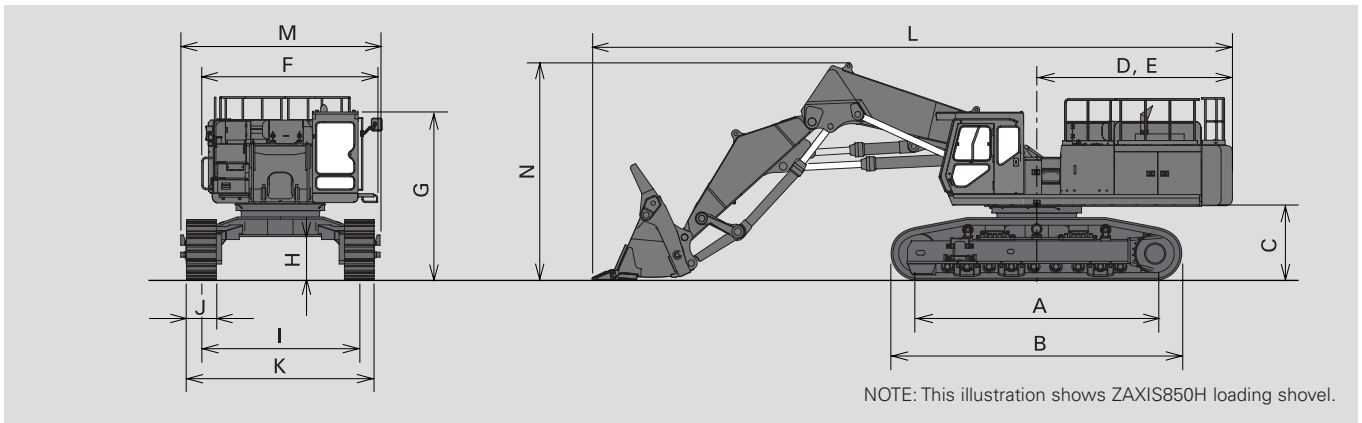


		ZAXIS800					ZAXIS850H		
Boom	7.10 m	8.25					7.10 m		
Arm	2.95 m	3.60 m	4.40 m	5.40 m	5.40 m	2.95 m	3.60 m	3.60 m	
A Max. digging reach	12 410	13 990	14 870	15 700	17 440	12 410	12 790	13 830	
*B Max. digging depth	7 240	8 880	9 670	10 550	12 060	7 240	7 800	8 860	
*C Max. vertical wall	4 340	7 790	8 970	9 200	10 350	4 340	5 640	6 030	
*D Max. cutting height	11 680	12 530	13 310	13 520	14 490	11 680	11 710	12 000	
*E Max. dumping height	7 820	8 530	9 210	9 770	10 790	7 820	7 860	8 270	
F Min. swing radius	5 520	6 360	6 240	6 240	7 620	5 520	5 380	6 340	
Bucket digging force	438 kN	342 kN	281 kN	281 kN	260 kN	438 kN	342 kN	353 kN	
	(44 700 kgf)	(34 900 kgf)	(28 700 kgf)	(28 700 kgf)	(26 500 kgf)	(44 700 kgf)	(34 900 kgf)	(36 000 kgf)	
Arm digging force	325 kN	273 kN	206 kN	206 kN	190 kN	325 kN	274 kN	300 kN	
	(33 200 kgf)	(27 900 kgf)	(21 000 kgf)	(21 000 kgf)	(19 400 kgf)	(33 200 kgf)	(28 000 kgf)	(30 600 kgf)	

*Excluding track shoe lug.

SPECIFICATIONS

Dimensions: Loading shovel



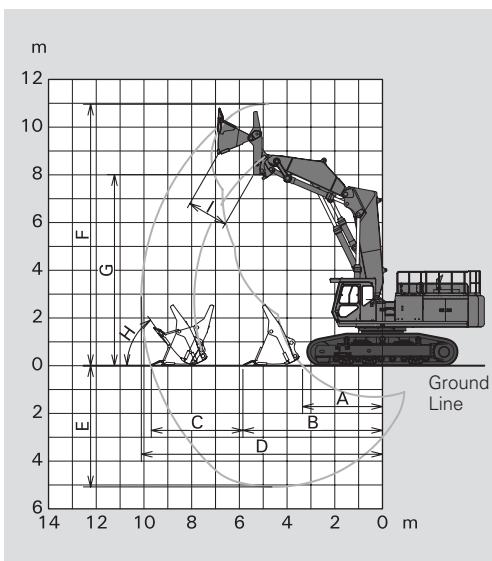
Unit: mm

	ZAXIS850H
A Sprocket center to idler center	5 110
B Undercarriage length	6 350
*C Counterweight clearance	1 590
D Rear-end swing radius	4 300
E Rear-end length	4 220
F Overall width of upper structure	3 850
G Overall height of cabin	3 640
*H Minimum ground clearance	880
I Track gauge	3 450
J Track shoe width	650
K Undercarriage width Extended / Retracted	4 100 / 3 480
L Overall length	13 850
M Overall width	4 360
N Overall height of boom	4 900

* Excluding track shoe lug.

Working ranges

Unit: mm



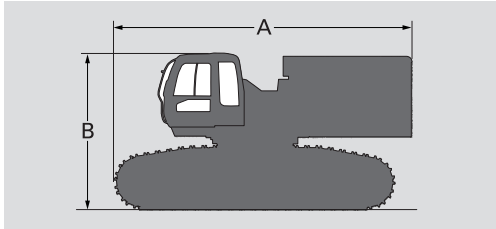
	ZAXIS850H Bottom dump type	ZAXIS850H Tilt dump type
A Minimum digging distance	3 350	3 160
B Minimum level crowding distance	5 780	5 780
C Level crowding distance	3 820	3 820
D Maximum digging reach	10 000	10 000
E Maximum digging depth	5 060	5 060
F Maximum cutting height	10 850	10 850
G Maximum dumping height	7 900	4 960
H Maximum bucket tilting angle on the ground (°)	55	49
I Maximum bucket opening width	1 600	—
Digging force	441 kN (45 000 kgf)	441 kN (45 000 kgf)

SPECIFICATIONS

Transportation

BASIC MACHINE – BACKHOE

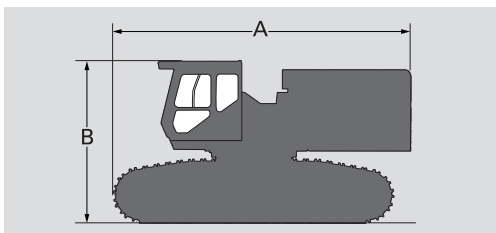
(without front attachment & counterweight)



	Shoe width	A	B	Overall width	Weight
ZAXIS800	650 mm	6 720 mm	3 570 mm	3 490 mm	46 300 kg
ZAXIS800	750 mm	6 720 mm	3 570 mm	3 580 mm	47 000 kg
ZAXIS850H	650 mm	6 720 mm	3 690 mm	3 490 mm	46 600 kg

BASIC MACHINE - LOADING SHOVEL

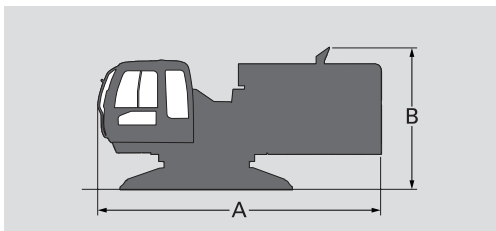
(without front attachment & counterweight)



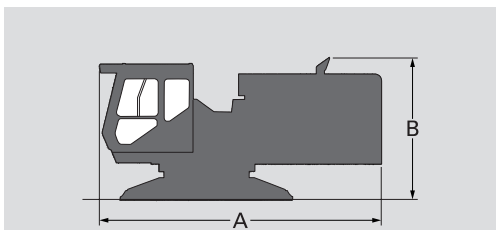
	Shoe width	A	B	Overall width	Weight
ZAXIS800	650 mm	6 600 mm	3 570 mm	3 490 mm	45 700 kg
ZAXIS800	750 mm	6 600 mm	3 570 mm	3 580 mm	46 400 kg
ZAXIS850H	650 mm	6 600 mm	3 690 mm	3 490 mm	46 600 kg

BASIC MACHINE

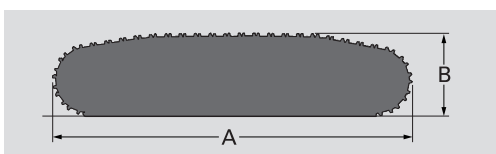
(without front attachment, side frame, steps on the hydraulic oil tank and hand rails on the right-hand frame)



	A	B	Overall width	Weight
ZAXIS800	5 760 mm	2 890 mm	3 200 mm	23 100 kg
ZAXIS850H	5 730 mm	2 890 mm	3 200 mm	23 200 kg



SIDE FRAME



	Shoe width	A	B	Overall width	Weight
ZAXIS800	650 mm	6 350 mm	1 470 mm	820 mm	11 600 kg
ZAXIS800	750 mm	6 350 mm	1 470 mm	820 mm	11 950 kg
ZAXIS850H	650 mm	6 350 mm	1 470 mm	820 mm	11 700 kg

COUNTERWEIGHT

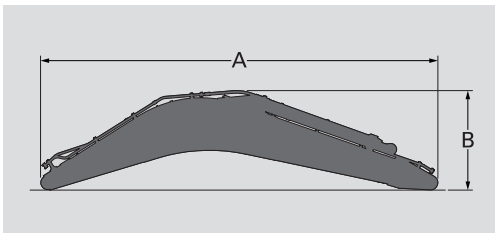


A	B	Overall height	Weight
3 190 mm	715 mm	1 440 mm	12 500 kg

SPECIFICATIONS

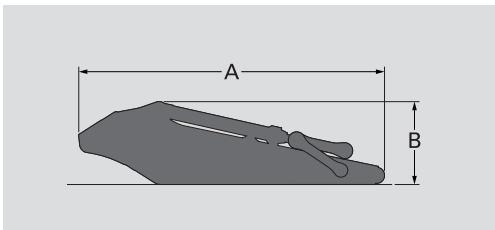
Transportation

BOOM



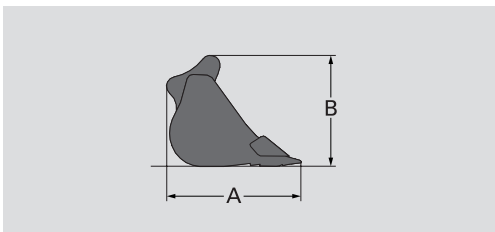
	A	B	Overall width	Weight
7.10 m BE-boom	7 500 mm	2 450 mm	1 420 mm	7 200 kg
8.25 m	8 500 mm	1 900 mm	1 420 mm	7 090 kg
8.20 m H-boom	8 620 mm	2 440 mm	1 420 mm	7 610 kg
10.0 m	10 310 mm	2 320 mm	1 420 mm	8 020 kg

ARM



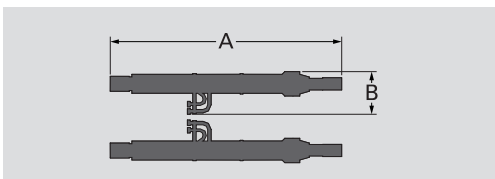
	A	B	Overall width	Weight
2.95 m BE-arm	4 410 mm	1 700 mm	840 mm	4 350 kg
3.60 m	5 065 mm	1 190 mm	840 mm	3 590 kg
3.60 m H-arm	5 065 mm	1 190 mm	840 mm	4 010 kg
4.40 m	5 820 mm	1 320 mm	840 mm	3 900 kg
5.40 m	6 820 mm	1 270 mm	840 mm	3 990 kg

BUCKET



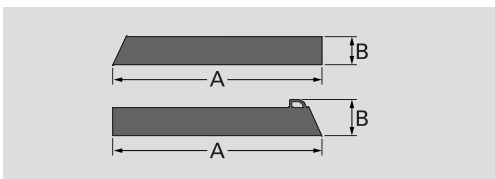
Capacity		A	B	Overall width	Weight
SAE, PCSA heaped	CECE heaped				
1.5 m³	1.3 m³	1 860 mm	1 430 mm	1 400 mm	1 130 kg
1.8 m³	1.6 m³	2 115 mm	1 735 mm	1 360 mm	1 870 kg
2.0 m³	1.8 m³	2 115 mm	1 735 mm	1 490 mm	2 060 kg
2.2 m³	2.0 m³	2 120 mm	1 740 mm	1 590 mm	2 140 kg
2.4 m³	2.2 m³	2 210 mm	1 870 mm	1 560 mm	2 350 kg
2.8 m³	2.4 m³	2 210 mm	1 870 mm	1 700 mm	2 400 kg
3.4 m³	3.0 m³	2 210 mm	1 870 mm	2 040 mm	2 650 kg
4.3 m³	3.8 m³	2 350 mm	1 950 mm	2 130 mm	3 580 kg
3.4 m³	3.0 m³	2 260 mm	1 930 mm	1 940 mm	3 460 kg
3.6 m³	3.2 m³	2 260 mm	1 930 mm	1 960 mm	3 490 kg
4.3 m³	3.8 m³	2 350 mm	1 950 mm	2 130 mm	4 100 kg

BOOM CYLINDERS - 700 kg x 2



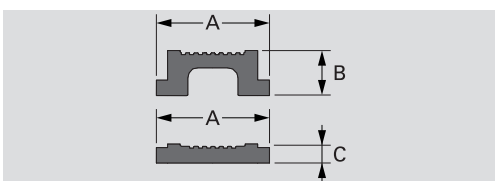
A	B
2 900 mm	530 mm

LEFT SIDEWALK



	A	B	Weight
Front	2 405 mm	340 mm	20.2 kg
Reverse	2 410 mm	425 mm	20.7 kg

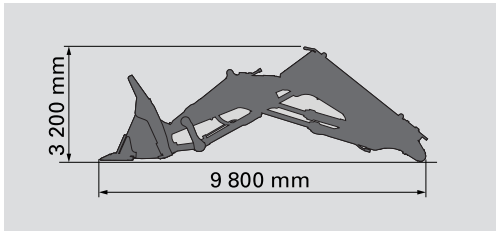
STEP - 18 kg x 4, 12.7 kg x 4



A	B	C	Overall height
540 mm	215 mm	90 mm	125 mm

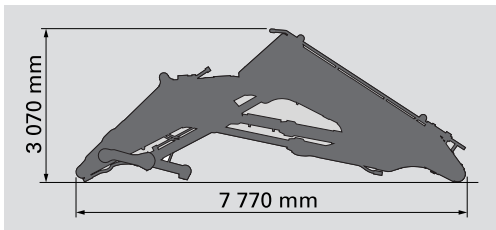
Transportation

LOADING SHOVEL FRONT ATTACHMENT



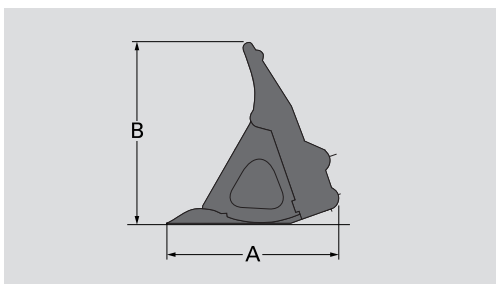
Bucket capacity (PCSA heaped)	Weight	Overall width
3.6 m ³	17 500 kg	2 400 mm
4.0 m ³	17 000 kg	2 560 mm

LOADING SHOVEL FRONT ATTACHMENT



Weight	Overall width
11 450 mm	1 450 mm

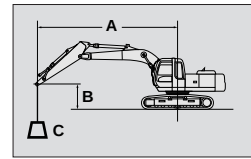
LOADING SHOVEL BUCKET



Type	Bucket capacity	A (mm)	B (mm)	Max. width (mm)	Weight (kg)
Bottom dump type rock bucket	3.6 m ³	2 280	2 570	2 300	6 080
Bottom dump type general purpose bucket	4.0 m ³	2 300	2 570	2 460	5 620
Tilt dump type rock bucket	4.0 m ³	2 290	2 560	2 360	4 980
Tilt dump type general purpose bucket	4.4 m ³	2 290	2 560	2 520	4 630

LIFTING CAPACITIES

Metric measure



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

ZAXIS800

Heavy-lifting system



Rating over-front



Rating over-side or 360 degrees

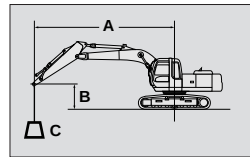
Unit: 1 000 kg

Conditions		Load point height	Load radius												At max. reach		
			4 m		6 m		8 m		10 m		12 m		14 m		meter		
Boom	8.25 m	8m							*9.0	*9.0					*5.5	*5.5	12.5
Arm	3.60 m								*10.1	*10.1					*6.2	*6.2	
Bucket		6 m							*9.6	*9.6					*5.6	*5.6	13.1
SAE/PCSA	3.4 m³								*10.8	*10.8					*6.3	*6.3	
Shoes	650 mm	4 m					*13.3	*13.3	*10.8	*10.8	*9.6	8.2			*5.9	*5.9	13.4
							*14.9	*14.9	*12.1	11.6	*10.9	8.2			*6.6	*6.6	
		2 m					*15.9	15.7	*12.2	11.0	*10.2	7.9			*6.4	*6.4	13.4
							*17.8	15.7	*13.7	11.0	*11.6	7.9			*7.1	6.5	
		0 m					*17.7	14.9	*13.3	10.5	*10.7	7.7			*7.2	6.8	12.9
							*19.7	14.9	*14.9	10.5	*12.1	7.7			*8.0	6.8	
		-2 m			*25.6	23.1	*18.3	14.5	*13.8	10.2					*8.6	7.7	12.1
					*28.4	23.1	*20.4	14.5	*15.4	10.2					*9.5	7.7	
		-4 m	*24.2	*24.2	*23.9	23.4	*17.6	14.6	*13.2	10.3					*9.9	9.6	10.7
			*25.3	*25.3	*26.5	23.4	*19.7	14.6	*14.8	10.3					*10.4	9.6	
		-6 m	*27.1	*27.1	*20.4	*20.4	*15.2	15.0									
			*30.2	*30.2	*22.8	*22.8	*17.0	15.0									
Boom	8.25 m	10 m													*4.0	*4.0	12.4
Arm	4.40 m														*4.5	*4.5	
Bucket		8 m													*3.8	*3.8	13.4
SAE/PCSA	2.8 m³														*4.3	*4.3	
Shoes	650 mm	6 m							*8.7	*8.7	*8.4	*8.4			*3.8	*3.8	14.1
									*9.8	*9.8	*9.4	8.8			*4.3	*4.3	
		4 m			*16.7	*16.7	*12.1	*12.1	*10.0	*10.0	*8.9	8.5			*3.9	*3.9	14.3
					*18.6	*18.6	*13.5	*13.5	*11.2	*11.2	*10.1	8.5			*4.5	*4.5	
		2 m					*14.9	*14.9	*11.5	11.2	*9.7	8.1			*4.2	*4.2	14.2
							*16.7	16.1	*12.9	11.2	*11.0	8.1			*4.8	*4.8	
		0 m			*20.0	*20.0	*17.1	15.1	12.8	10.6	*10.4	7.8			*4.7	*4.7	13.8
					*21.1	*21.1	*19.0	15.1	*14.4	10.6	*11.8	7.8			*5.4	*5.4	
		-2 m			*25.9	23.0	*18.1	14.6	*13.6	10.3	*10.8	7.6			*5.6	*5.6	13.1
					*28.8	23.0	*20.2	14.6	*15.3	10.3	*12.2	7.6			*6.2	*6.2	
		-4 m	*20.8	*20.8	*24.9	23.1	*18.0	14.5	*13.6	10.2					*6.9	*6.9	11.8
			*22.0	*22.0	*27.7	23.1	*20.1	14.5	*15.2	10.2					*7.7	*7.7	
		-6 m	*31.3	*31.3	*22.3	*22.3	*16.4	14.7	*11.9	10.4					*9.2	*9.2	9.9
			*34.8	*34.8	*24.9	23.6	*18.4	14.7	*13.4	10.4					*9.6	*9.6	
		-8 m			*16.9	*16.9	*11.7	*11.7									
					*18.9	*18.9	*13.2	*13.2									

- 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.
 5. 0 m = Ground.

LIFTING CAPACITIES

Metric measure



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

ZAXIS800

Heavy-lifting system

Rating over-front

Rating over-side or 360 degrees

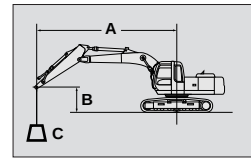
Unit: 1 000 kg

Conditions		Load point height	Load radius												At max. reach		
			4 m		6 m		8 m		10 m		12 m		14 m				meter
Boom	8.25 m	10 m													*3.2	*3.2	13.4
Arm	5.40 m														*3.7	*3.7	
Bucket	SAE/PCSA 2.2 m ³	8 m									*6.8	*6.8			*3.0	*3.0	14.3
Shoes	650 mm										*7.5	*7.5			*3.5	*3.5	
		6 m									*7.6	*7.6			*3.0	*3.0	14.9
											*8.6	*8.6			*3.5	*3.5	
		4 m							*9.2	*9.2	*8.3	*8.3	*4.4	*4.4	*3.1	*3.1	15.1
									*10.4	*10.4	*9.4	8.9	*4.9	*4.9	*3.6	*3.6	
		2 m			*20.2	*20.2	*13.8	*13.8	*10.9	*10.9	*9.3	8.5	*5.6	*5.6	*3.4	*3.4	15.1
					*22.4	*22.4	*15.5	*15.5	*12.2	11.7	*10.5	8.5	*6.3	6.2	*3.9	*3.9	
		0 m			*24.2	24.1	*16.3	15.6	*12.4	11.0	*10.2	8.1	*5.0	*5.0	*3.8	*3.8	14.7
					*26.9	24.1	*18.2	15.6	*13.9	11.0	*11.5	8.1	*5.6	*5.6	*4.3	*4.3	
		-2 m	*10.2	*10.2	*25.9	23.2	*17.9	14.8	*13.5	10.5	*10.8	7.8			*4.4	*4.4	14.0
			*10.9	*10.9	*28.7	23.2	*19.9	14.8	*15.1	10.5	*12.2	7.8			*5.0	*5.0	
		-4 m	*18.4	*18.4	*25.8	23.0	*18.3	14.6	*13.8	10.3	*10.8	7.7			*5.4	*5.4	12.9
			*19.4	*19.4	*28.6	23.0	*20.4	14.6	*15.5	10.3	*12.2	7.7			*6.1	*6.1	
		-6 m	*29.5	*29.5	*24.0	23.3	*17.4	14.7	*13.1	10.4					*7.3	*7.3	11.2
			*31.0	*31.0	*26.7	23.3	*19.5	14.7	*14.7	10.4					*8.1	*8.1	
		-8 m	*28.5	*28.5	*20.0	*20.0	*14.5	*14.5									
			*31.7	*31.7	*22.4	*22.4	*16.3	15.2									
Boom	7.10 m	8 m					*10.7	*10.7							*6.7	*6.7	10.8
BE-Boom							*12.0	*12.0							*7.5	*7.5	
Arm	2.95 m	6 m					*11.4	*11.4							*6.6	*6.6	11.5
BE-Arm							*12.8	*12.8							*7.4	*7.4	
Bucket	SAE/PCSA 4.3 m ³	4 m					*13.4	*13.4	*11.3	10.7					*6.8	*6.8	11.8
Shoes	650 mm						*15.0	*15.0	*12.8	10.7					*7.7	7.5	
		2 m					*15.7	15.1	*12.3	10.2					*7.4	*7.4	11.7
							*17.6	15.1	*13.9	10.2					*8.3	7.4	
		0 m					*17.2	14.3	*13.0	9.8					*8.5	8.0	11.2
							*19.3	14.3	*14.6	9.8					*9.4	8.0	
		-2 m			*24.6	22.8	*17.4	14.0	*12.5	9.7					*10.4	9.7	10.1
					*27.4	22.8	*19.5	14.0	*14.2	9.7					*11.4	9.7	
		-4 m	*29.0	*29.0	*21.6	*21.6	*15.4	14.3									
			*32.4	*32.4	*24.2	*23.2	*17.3	14.3									

- Notes:
1. Ratings are based on SAE J1097.
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 3. The load point is a hook (not standard equipment) located on the back of the bucket.
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 5. 0 m = Ground.

LIFTING CAPACITIES

Metric measure



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

ZAXIS850H

Heavy-lifting system



Rating over-front



Rating over-side or 360 degrees

Unit: 1 000 kg

Conditions		Load point height	Load radius												At max. reach		
			4 m		6 m		8 m		10 m		12 m		14 m				
																	meter
Boom	8.20 m	8 m							*7.7	*7.7					*5.1	*5.1	12.4
H-boom									*8.8	*8.8					*5.8	*5.8	
Arm	3.60 m	6 m							*8.3	*8.3					*5.2	*5.2	13.1
H-arm									*9.5	*9.5					*5.9	*5.9	
Bucket		4 m			*17.4	*17.4	*11.8	*11.8	*9.5	*9.5	*8.1	7.6			*5.6	*5.6	13.3
SAE/PCSA	3.4 m³				*19.4	*19.4	*13.3	*13.3	*10.8	*10.8	*9.0	7.6			*6.3	6.0	
Rock Bucket		2 m					*14.5	*14.5	*10.9	10.3	*9.2	7.3			*6.2	5.9	13.2
Shoes	650 mm						*16.3	15.1	*12.4	10.3	*10.5	7.3			*7.0	5.9	
		0 m			*22.4	*22.4	*16.4	14.2	*12.1	9.8	*9.8	7.0			*7.2	6.2	12.8
					*23.6	22.5	*18.4	14.2	*13.7	9.8	*11.1	7.0			*8.0	6.2	
		-2 m			*24.8	22.4	*17.3	13.8	*12.8	9.5					*8.8	7.1	11.9
					*27.7	22.4	*19.4	13.8	*14.4	9.5					*9.8	7.1	
		-4 m	*29.4	*29.4	*23.5	22.7	*16.9	13.9	*12.5	9.6							
			*30.7	*30.7	*26.3	22.7	*19.0	13.9	*14.1	9.6							
		-6 m	*28.5	*28.5	*20.6	*20.6	*14.9	14.3									
			*31.8	*31.8	*23.0	*23.0	*16.7	14.3									
Boom	7.10 m	8 m													*4.1	*4.1	11.3
BE-boom															*4.7	*4.7	
Arm	3.60 m	6 m					*10.7	*10.7	*9.1	*9.1					*4.1	*4.1	12.1
H-arm							*12.0	*12.0	*10.1	*10.1					*4.7	*4.7	
Bucket		4 m			*17.1	*17.1	*12.9	*12.9	*11.0	*11.0					*4.4	*4.4	12.3
SAE/PCSA	3.6 m³				*18.9	*18.9	*14.4	*14.4	*12.4	11.4					*5.0	*5.0	
Rock Bucket		2 m			*22.6	*22.6	*15.4	*15.4	*12.2	10.8					*4.9	*4.9	12.2
Shoes	650 mm				*25.1	*25.1	*17.2	16.0	*13.7	10.8					*5.6	*5.6	
		0 m			*25.6	23.9	*17.4	15.1	*13.2	10.3					*5.9	*5.9	11.7
					*28.4	23.9	*19.4	15.1	*14.8	10.3					*6.6	*6.6	
		-2 m	*23.6	*23.6	*25.8	23.5	*18.0	14.6	*13.3	10.1					*7.5	*7.5	10.7
			*24.9	*24.9	*28.6	23.5	*20.1	14.6	*15.0	10.1					*8.3	*8.3	
		-4 m	*33.9	*33.9	*23.7	23.7	*16.8	14.7									
			*37.1	*37.1	*26.4	23.7	*18.8	14.7									
		-6 m			*18.2	*18.2											
					*20.4	*20.4											
Boom	7.10 m	8 m					*10.3	*10.3							*6.3	*6.3	10.8
BE-Boom							*11.6	*11.6							*7.1	*7.1	
Arm	2.95 m	6 m					*11.0	*11.0							*6.2	*6.2	11.6
BE-arm							*12.4	*12.4							*7.0	*7.0	
Bucket		4 m					*13.0	*13.0	*10.9	10.5					*6.5	*6.5	11.9
SAE, PCSA:	4.3 m³						*14.6	*14.6	*12.4	10.5					*7.3	7.2	
Rock Bucket		2 m					*15.3	14.9	*11.8	9.9					*7.0	*7.0	11.8
Shoes	650 mm						*17.2	14.9	*13.4	9.9					*7.9	7.1	
		0 m					*16.8	14.1	*12.5	9.5					*8.1	7.7	11.2
							*18.9	14.1	*14.2	9.5					*9.0	7.7	
		-2 m			*24.2	22.6	*16.9	13.8	*12.1	9.5					*9.9	9.4	10.2
					*26.9	22.6	*19.0	13.8	*13.7	9.5					*11.0	9.4	
		-4 m	*28.6	*28.6	*21.2	*21.2	*14.9	14.0									
			*31.9	*31.9	*23.7	23.0	*16.9	14.0									

- Notes:
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Standard Equipment

Standard equipment may vary by country, so please consult your Hitachi dealer for details.

ENGINE

- H/P mode control
- E mode control
- 50 A alternator
- Dry-type air double filters with evacuator valve (with air cleaner restriction switch for monitor)
- 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
- Quick-idle system

HYDRAULIC SYSTEM

- Work mode selector
- Engine speed sensing system
- E-P control system
- Power boost
- Boom mode selector system
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

CABIN

- CRES (Center pillar Reinforced Structure) cabin
- OPG top guard fitted level I (ISO) compliant cabin
- All-weather sound-suppressed steel cab
- Tinted (bronze color) glass windows
- 6 fluid-filled elastic mounts
- Upper, lower, and left side windows can be opened
- Intermittent windshield retractable wipers
- Front window washer
- Adjustable reclining suspension seat with adjustable armrests
- Footrest
- Electric double horn
- AM - FM radio with digital clock
- Auto-idle / acceleration selector
- Seat belt
- Drink holder
- Cigar lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Auto control air conditioner
- Pilot control shut-off lever
- Engine stop knob
- 2 cabin lights

MONITOR SYSTEM

- Meters: Hourmeter and 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, auto-idle, auto-acceleration, digging mode, trench digging mode, attachment mode and precision (or heavy lift) mode
- Alarm buzzers: Engine oil pressure and engine overheat

UPPER STRUCTURE

- Undercover
- 12 500 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
- Track guards and hydraulic track adjuster
- Idler track guard
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 650 mm double grouser shoes

FRONT ATTACHMENTS

- Flanged pin
- Bucket clearance adjustment mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dust seal on all bucket pins
- 8.25 m boom
- 3.6 m arm
- 3.4 m³ (SAE, PCSA heaped) bucket

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Lockable fuel filling cap
- Skid-resistant tapes, plates, handrails and sidewalk
- Travel direction mark on track frame
- Onboard ICX

ZAXIS850H

(Heavy-duty version)

- 8.20 m H-boom and 3.6 m H-arm
- Damage preventive plate and square bars
- 3.4 m³ (SAE, PCSA heaped) rock bucket with dual type side shrouds
- Headguard integrated cabin with 2 cabin lights
- 4.5 mm thick undercover
- H-track guard (dual type)
- Reinforced side steps

Optional Equipment

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamps
- Auto-grease lubricator
- Electric grease gun with hose-reel

- OPG top and front guard fitted level II (ISO) compliant cabin
- Travel motion alarm device
- Attachment basic piping
- Accessories for breaker
- Accessories for breaker & crusher

- Accessories for 2 speed selector
- Front glass lower guard
- Front glass upper guard
- Headguard integrated cabin
- H-track guard (dual type)
- Full track guard

- Counterweight removal device
- Right sidewalk
- 750 mm double grouser shoes
- 900 mm double grouser shoes

NOTES

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire surface, typical of notebook or composition paper. The lines are uniform in thickness and color, providing a guide for handwriting. There are no margins, text, or other markings present on the page.

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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**Breaking
new
ground**



HITACHI