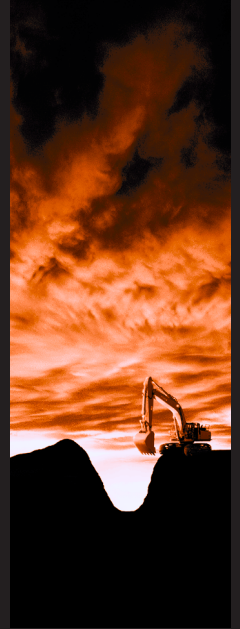
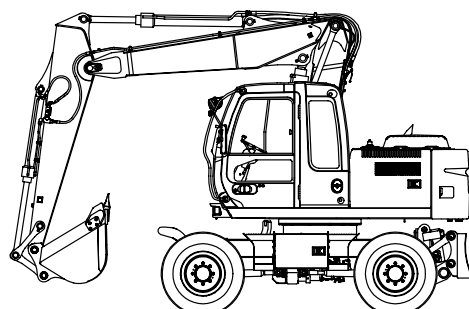


HITACHI ZAXIS130W

engine rated power
87.5 kW / 117 HP

operating weight
13 400 - 15 300 kg

bucket capacity
0.19 - 0.66 m³



HITACHI

Engine

Model	Isuzu 4BG1XABFA
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	4
Rated power	
Traveling	
DIN 6271, net	87.5 kW (119 PS, 117 HP) at 2 200 min ⁻¹ (rpm)
SAE J1349, net	87.5 kW (119 PS, 117 HP) at 2 200 min ⁻¹ (rpm)
ISO 9249, net	87.5 kW (119 PS, 117 HP) at 2 200 min ⁻¹ (rpm)
ECE-R24	87.5 kW (119 PS, 117 HP) at 2 200 min ⁻¹ (rpm)
Digging	
DIN 6271, net	H/P mode: 86.2 kW (117 PS, 116 HP) at 1 950 min ⁻¹ (rpm)
	P mode: 83.0 kW (113 PS, 111 HP) at 1 750 min ⁻¹ (rpm)
SAE J1349, net	H/P mode: 86.2 kW (117 PS, 116 HP) at 1 950 min ⁻¹ (rpm)
	P mode: 83.0 kW (113 PS, 111 HP) at 1 750 min ⁻¹ (rpm)
ISO 9249, net	H/P mode: 86.2 kW (117 PS, 116 HP) at 1 950 min ⁻¹ (rpm)
	P mode: 83.0 kW (113 PS, 111 HP) at 1 750 min ⁻¹ (rpm)
Maximum torque	437 Nm at 1 800 min ⁻¹ (rpm)
Piston Displacement	4.329 l
Bore and stroke	105 mm x 125 mm
Batteries	2 x 12 V / 55 Ah
Governor	Mechanical speed control with stepping motor

Hydraulic system

- Work mode selector
Digging mode / Attachment mode
- Engine speed sensing system

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 x 176 l/min
Pilot pump	1 gear pump
Maximum oil flow	26.6 l/min
Steering pump	1 gear pump
Maximum oil flow	27.8 l/min

HYDRAULIC MOTORS

Travel	1 variable displacement axial piston motor
Swing	1 axial piston motor

RELIEF VALVE SETTINGS

Implement circuit	34.3 MPa (350 kgf/cm ² , 4 980 psi)
Swing circuit	32.3 MPa (310 kgf/cm ² , 4 410 psi)
Travel circuit	34.3 MPa (350 kgf/cm ² , 4 980 psi)
Pilot circuit	3.9 MPa (40 kgf/cm ² , 570 psi)

HYDRAULIC CYLINDERS

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

DIMENSIONS

	Quantity	Bore	Rod diameter
Boom (2-Piece boom)	2	110 mm	80 mm
Positioning (2-Piece boom)	1	170 mm	120 mm
Boom (Monoblock boom)	2	110 mm	80 mm
Arm	1	120 mm	90 mm
Bucket	1	105 mm	75 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.

Controls

Pilot controls. 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 pedal	1
Outrigger and/or blade lever	1
Positioning and/or Att Pedal	1

Upperstructure

REVOLVING FRAME

Welded sturdy box construction, using heavy-gauge steel plates for ruggedness. Reinforced 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. 13.3 min⁻¹ (rpm)

OPERATOR'S CAB

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Reclining seat with armrests; adjustable with or without control levers.

Undercarriage

Wheeled type undercarriage. The frame is of welded, stress-relieved structure.

Drive system: 2 gear power shift transmission and variable displacement axial piston type travel motor.

Travel speed (forward and reverse)

Creeper speed range 0 to 2.3 km/h

Low speed range 0 to 9.0 km/h

High speed range 0 to 32.0 km/h

Gradeability 35 degree (70%)

Minimum turning radius 6 280 mm

Axle:

All-wheel drive.

The front axle can be locked hydraulically in any position.

Oscillating front axle left: ± 6°
right: ± 6°

Brakes system:

Maintenance free wet-disc brakes on front axle and rear axle are standard.

Fully hydraulic service brake system.

Operating weight

ZAXIS130W WITH MONOBLOCK BOOM:

Equipped with monoblock boom, 2.52 m arm and 0.5 m³ (SAE heaped) bucket.

Stabilization	Operating weight	
	Short chassis	STD chassis
Rear Blade	13 400 kg	13 600 kg
Rear Outrigger	13 700 kg	13 900 kg
Front and Rear Outrigger	--	14 900 kg
Outrigger and Blade	--	14 600 kg

ZAXIS130W WITH 2-PIECE BOOM:

Equipped with 2-piece boom, 2.52 m arm and 0.5 m³ (SAE heaped) bucket.

Stabilization	Operating weight	
	Short chassis	STD chassis
Rear Blade	13 800 kg	14 000 kg
Rear Outrigger	14 100 kg	14 400 kg
Front and Rear Outrigger	--	15 300 kg
Outrigger and Blade	--	15 000 kg

Service refill capacities

Fuel tank	280 l
Engine coolant	19.2 l
Engine oil	15.8 l
Swing mechanism	6.2 l
Transmission	2.9 l
Front differential gear	11 l
Rear differential gear	13 l
Hub reduction gear	
Front axle	2 x 2 l
Rear axle	2 x 2 l
Hydraulic system	180 l
Hydraulic tank	100 l

Backhoe attachments

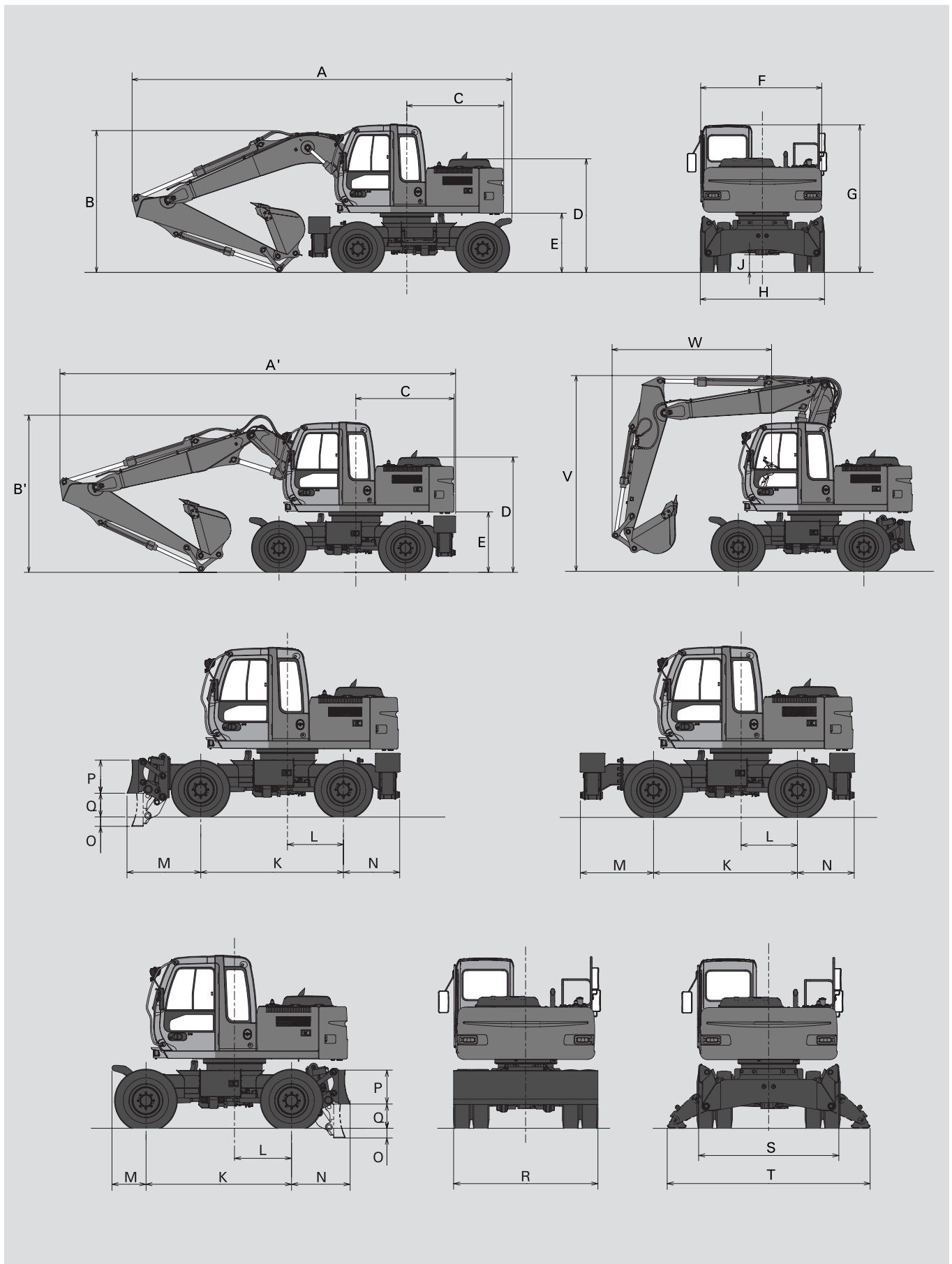
Booms and arms are of welded, box-section design.
 Monoblock and 2-piece booms are available.
 2.10 m, 2.52 m and 3.01 m arms are available.
 Bucket is of all-welded, high-strength steel structure.

BUCKETS

Capacity		Width		Weight	Recommendation ZAXIS130W		
SAE (PCSA) heaped	CECE heaped	With side cutters	Without side cutters		2.10 m arm	2.52 m arm	3.01 m arm
0.19 m ³	0.17 m ³	450 mm	550 mm	260 kg	⊙	⊙	⊙
0.30 m ³	0.25 m ³	580 mm	700 mm	290 kg	⊙	⊙	⊙
0.40 m ³	0.33 m ³	680 mm	800 mm	340 kg	⊙	⊙	⊙
0.45 m ³	0.40 m ³	850 mm	970 mm	400 kg	⊙	⊙	○
0.50 m ³	0.45 m ³	890 mm	1 010 mm	410 kg	⊙	⊙	○
0.59 m ³	0.50 m ³	950 mm	1 070 mm	430 kg	⊙	⊙	—
0.66 m ³	0.50 m ³	1 030 mm	-	430 kg	□	○	—

- ⊙ Suitable for materials with density of 1 800 kg/m³ or less
 ○ Suitable for materials with density of 1 600 kg/m³ or less
 □ Suitable for materials with density of 1 100 kg/m³ or less

Dimensions



Dimensions

Unit: mm

	Short Chassis		STD Chassis			
	Rear BL	Rear O/R	Rear BL	Rear O/R	Front BL Rear O/R	Front and Rear O/R
A Overall length (with monoblock boom)						
2.10 m arm	7 600	7 600	8 150	8 150	8 440	8 440
2.52 m arm	7 760	7 760	8 150	8 150	8 470	8 470
3.01 m arm	7 730	7 730	8 150	8 150	8 440	8 440
A' Overall length (with 2-piece boom)						
2.10 m arm	7 970	7 970	7 970	7 970	7 970	7 970
2.52 m arm	7 980	7 980	8 530	8 530	8 820	8 820
3.01 m arm	8 130	8 130	8 550	8 550	8 840	8 840
B Overall height (with monoblock boom)						
2.10 m arm			* 3 030			
2.52 m arm			* 3 030			
3.01 m arm			3 330			
B' Overall height (with 2-piece boom)						
2.10 m arm			3 060			
2.52 m arm			3 160			
3.01 m arm			3 180			
C Rear-end swing radius			1 980			
D Engine cover height			2 320			
E Counterweight clearance			1 215			
F Overall width of the upperstructure			2 465			
G Overall height of cabin			3 030			
H Overall width of tires			2 530			
J Minimum ground clearance			360			
K Wheel base			2 550			
L Swing-center to rear axle			1 000			
M Front overhang	600	600	1 015	1 015	1 310	1 300
N Rear overhang	1 020	1 010	1 020	1 010	1 010	1 010
O Maximum blade lower	150	-	150	-	150	-
P Height of blade	590	-	590	-	590	-
Q Maximum blade raise	440	-	440	-	440	-
R Overall width of blade	2 530	-	2 530	-	2 530	-
S Overall width of O/R retract	-	2 470	-	2 470	2 470	2 470
T Overall width of O/R extend	-	3 570	-	3 570	3 570	3 570
V Overall height of boom (traveling)						
**2.10 m arm			3 970			
**2.52 m arm			3 970			
3.01 m arm			3 790			
W Front overhang (traveling)						
**2.10 m arm	2 980	2 980	2 980	2 980	2 980	2 980
**2.52 m arm	2 990	2 990	2 990	2 990	3 230	3 230
3.01 m arm	4 880	4 880	4 880	4 880	4 880	4 880

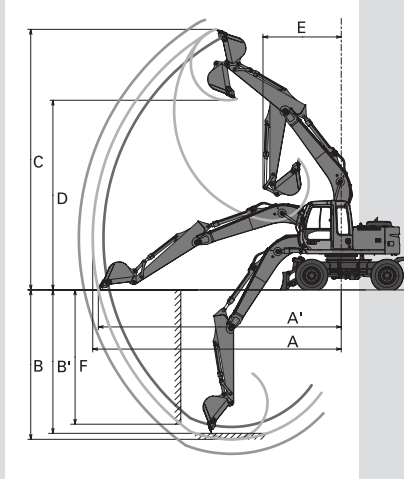
Transportation dimensions are A (A'), B (B'), H (without blade) or A (A'), B (B'), R (with blade).

* Cab Height.

** Certified by the German Automobile Inspection.

Working ranges

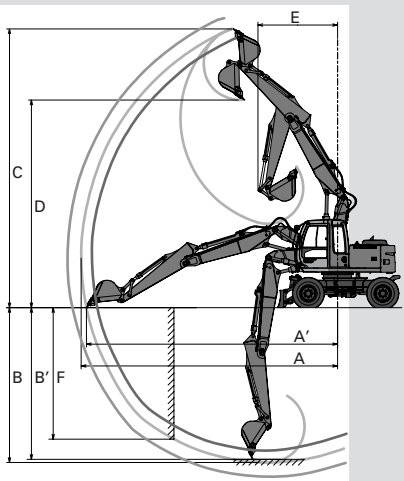
ZAXIS130W WITH MONOBLOCK BOOM



Unit: mm

Arm length	2.10 m	2.52 m	3.01 m
A Max. digging reach	8 040	8 410	8 870
A' Max. digging reach (on ground)	7 840	8 210	8 690
B Max. digging depth	4 630	5 050	5 540
B' Max. digging depth (8° level)	4 400	4 850	5 360
C Max. cutting height	8 630	8 810	9 130
D Max. dumping height	6 220	6 410	6 730
E Min. swing radius	2 610	2 640	2 900
F Max. vertical wall	4 140	4 540	5 020
Bucket digging force ISO	99 kN (10 100 kgf)	99 kN (10 100 kgf)	99 kN (10 100 kgf)
Bucket digging force SAE : PCSA	86 kN (8 800 kgf)	86 kN (8 800 kgf)	86 kN (8 800 kgf)
Arm digging force ISO	73 kN (7 500 kgf)	65 kN (6 600 kgf)	58 kN) (7 600 kgf)
Arm digging force SAE : PCSA	71 kN (7 200 kgf)	63 kN (6 400 kgf)	57 kN (5 800 kgf)

ZAXIS130W WITH 2-PIECE BOOM



Unit: mm

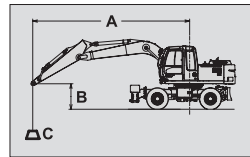
Arm length	2.10 m	2.52 m	3.01 m
A Max. digging reach	8 420	8 790	9 260
A' Max. digging reach (on ground)	8 230	8 610	9 090
B Max. digging depth	4 900	5 310	5 800
B' Max. digging depth (8° level)	4 780	5 200	5 700
C Max. cutting height	9 320	9 560	9 930
D Max. dumping height	6 870	7 120	7 490
E Min. swing radius	2 640	2 730	2 930
F Max. vertical wall	4 150	4 510	4 990
Bucket digging force ISO	99 kN (10 400 kgf)	99 kN (10 400 kgf)	99 kN (10 400 kgf)
Bucket digging force SAE : PCSA	86 kN (8 800 kgf)	86 kN (8 800 kgf)	86 kN (8 800 kgf)
Arm digging force ISO	73 kN (7 500 kgf)	65 kN (6 600 kgf)	58 kN) (5 900 kgf)
Arm digging force SAE : PCSA	71 kN (7 200 kgf)	63 kN (6 400 kgf)	57 kN (5 800 kgf)

LIFTING CAPACITIES

Metric measure

ZAXIS130W WITH MONOBLOCK BOOM, 2.52 M ARM, STD CHASSIS

- Notes:
1. Ratings are based on 10567.
 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 the center-line of the bucket pivot mounting pin on the arm.
 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

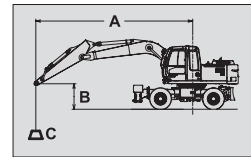
Unit: 1 000 kg

	Stabilization	Load radius										At max. reach		
		3 m		4 m		5 m		6 m		7 m				
														meter
6 m	Rear blade up					3.1	2.9					*2.4	2.4	5.71
	Rear blade down					*3.4	*3.4					*2.4	*2.4	
	Rear outrigger down					*3.4	*3.4					*2.4	*2.4	
	Front outrigger and rear blade down					*3.4	*3.4					*2.4	*2.4	
	Front blade and rear outrigger down					*3.4	*3.4					*2.4	*2.4	
4 outrigger down					*3.4	*3.4					*2.4	*2.4		
5 m	Rear blade up					3.1	2.9	2.3	2.2			2.1	2.0	6.36
	Rear blade down					*3.5	3.4	*3.3	2.5			*2.3	2.3	
	Rear outrigger down					*3.5	*3.5	*3.3	3.1			*2.3	*2.3	
	Front outrigger and rear blade down					*3.5	*3.5	*3.3	*3.3			*2.3	*2.3	
	Front blade and rear outrigger down					*3.5	*3.5	*3.3	*3.3			*2.3	*2.3	
	4 outrigger down					*3.5	*3.5	*3.3	*3.3			*2.3	*2.3	
4 m	Rear blade up			*4.2	4.0	3.0	2.8	2.3	2.1			1.8	1.7	6.80
	Rear blade down			*4.2	*4.2	*3.8	3.3	*3.6	2.5			*2.3	2.0	
	Rear outrigger down			*4.2	*4.2	*3.8	*3.8	*3.6	3.0			*2.3	*2.3	
	Front outrigger and rear blade down			*4.2	*4.2	*3.8	*3.8	*3.6	*3.6			*2.3	*2.3	
	Front blade and rear outrigger down			*4.2	*4.2	*3.8	*3.8	*3.6	*3.6			*2.3	*2.3	
	4 outrigger down			*4.2	*4.2	*3.8	*3.8	*3.6	*3.6			*2.3	*2.3	
3 m	Rear blade up	6.2	5.8	4.0	3.8	2.9	2.7	2.2	2.1	1.7	1.6	1.7	1.6	7.06
	Rear blade down	*6.6	*6.6	*5.0	4.4	*4.2	3.2	*3.8	2.4	*2.6	1.9	*2.3	1.9	
	Rear outrigger down	*6.6	*6.6	*5.0	*5.0	*4.2	3.9	*3.8	3.0	*2.6	2.3	*2.3	2.3	
	Front outrigger and rear blade down	*6.6	*6.6	*5.0	*5.0	*4.2	*4.2	*3.8	3.6	*2.6	*2.6	*2.3	*2.3	
	Front blade and rear outrigger down	*6.6	*6.6	*5.0	*5.0	*4.2	*4.2	*3.8	3.8	*2.6	*2.6	*2.3	*2.3	
	4 outrigger down	*6.6	*6.6	*5.0	*5.0	*4.2	*4.2	*3.8	*3.8	*2.6	*2.6	*2.3	*2.3	
2 m	Rear blade up			3.8	3.6	2.8	2.6	2.2	2.0	1.7	1.6	1.6	1.6	7.17
	Rear blade down			*5.9	4.2	*4.7	3.1	*4.1	2.4	*3.3	1.9	*2.4	1.8	
	Rear outrigger down			*5.9	5.3	*4.7	3.8	*4.1	2.9	*3.3	2.3	*2.4	2.2	
	Front outrigger and rear blade down			*5.9	*5.9	*4.7	4.6	*4.1	3.5	*3.3	2.8	*2.4	*2.4	
	Front blade and rear outrigger down			*5.9	*5.9	*4.7	*4.7	*4.1	3.7	*3.3	2.9	*2.4	*2.4	
	4 outrigger down			*5.9	*5.9	*4.7	*4.7	*4.1	*4.1	*3.3	*3.3	*2.4	*2.4	
1 m	Rear blade up	*5.3	5.1	3.6	3.4	2.7	2.5	2.1	2.0	1.7	1.6	1.6	1.5	7.14
	Rear blade down	*5.3	*5.3	*6.6	4.0	*5.2	3.0	*4.3	2.3	*3.4	1.8	*2.6	1.8	
	Rear outrigger down	*5.3	*5.3	*6.6	5.1	*5.2	3.7	4.3	2.8	*3.4	2.3	*2.6	2.2	
	Front outrigger and rear blade down	*5.3	*5.3	*6.6	6.3	*5.2	4.5	*4.3	3.4	*3.4	2.7	*2.6	*2.6	
	Front blade and rear outrigger down	*5.3	*5.3	*6.6	*6.6	*5.2	4.8	*4.3	3.6	*3.4	2.9	*2.6	*2.6	
	4 outrigger down	*5.3	*5.3	*6.6	*6.6	*5.2	*5.2	*4.3	4.2	*3.4	3.4	*2.6	*2.6	
0 m	Rear blade up	5.4	5.0	3.5	3.3	2.6	2.5	2.0	1.9			1.7	1.6	6.95
	Rear blade down	*6.3	6.1	*6.9	3.9	*5.4	2.9	*4.4	2.2			*2.8	1.8	
	Rear outrigger down	*6.3	*6.3	*6.9	5.0	*5.4	3.6	4.2	2.8			*2.8	2.3	
	Front outrigger and rear blade down	*6.3	*6.3	*6.9	6.2	*5.4	4.4	*4.4	3.4			*2.8	2.8	
	Front blade and rear outrigger down	*6.3	*6.3	*6.9	6.6	*5.4	4.7	*4.4	3.6			*2.8	*2.8	
	4 outrigger down	*6.3	*6.3	*6.9	*6.9	*5.4	*5.4	*4.4	4.2			*2.8	*2.8	
-1 m	Rear blade up	5.4	5.0	3.5	3.3	2.6	2.4	2.0	1.9			1.8	1.7	6.60
	Rear blade down	*8.4	6.0	*6.9	3.9	*5.4	2.8	*4.4	2.2			*3.2	2.0	
	Rear outrigger down	*8.4	7.9	*6.9	4.9	*5.4	3.6	4.2	2.8			*3.2	2.4	
	Front outrigger and rear blade down	*8.4	*8.4	*6.9	6.1	*5.4	4.4	*4.4	3.4			*3.2	2.9	
	Front blade and rear outrigger down	*8.4	*8.4	*6.9	6.6	*5.4	4.7	*4.4	3.6			*3.2	3.1	
	4 outrigger downer down	*8.4	*8.4	*6.9	*6.9	*5.4	*5.4	*4.4	4.1			*3.2	*3.2	
-2 m	Rear blade up	5.4	5.0	3.5	3.3	2.6	2.4	2.0	1.9			2.0	1.9	6.07
	Rear blade down	*8.5	6.1	*6.5	3.9	*5.1	2.9	*4.0	2.2			*3.9	2.2	
	Rear outrigger down	*8.5	8.0	*6.5	4.9	*5.1	3.6	*4.0	2.8			*3.9	2.7	
	Front outrigger and rear blade down	*8.5	*8.5	*6.5	6.1	*5.1	4.4	*4.0	3.4			*3.9	3.3	
	Front blade and rear outrigger down	*8.5	*8.5	*6.5	*6.5	*5.1	4.7	*4.0	3.6			*3.9	3.5	
	4 outrigger down	*8.5	*8.5	*6.5	*6.5	*5.1	*5.1	*4.0	*4.0			*3.9	*3.9	
-3 m	Rear blade up	5.5	5.1	3.6	3.3	2.6	2.5					2.5	2.3	5.28
	Rear blade down	*7.3	6.2	*5.6	4.0	*4.3	2.9					*3.9	2.7	
	Rear outrigger down	*7.3	*7.3	*5.6	5.0	*4.3	3.6					*3.9	3.4	
	Front outrigger and rear blade down	*7.3	*7.3	*5.6	*5.6	*4.3	*4.3					*3.9	*3.9	
	Front blade and rear outrigger down	*7.3	*7.3	*5.6	*5.6	*4.3	*4.3					*3.9	*3.9	
	4 outrigger down	*7.3	*7.3	*5.6	*5.6	*4.3	*4.3					*3.9	*3.9	

Metric measure

ZAXIS130W WITH 2-PIECE BOOM, 2.52 M ARM, STD CHASSIS

- Notes
1. Ratings are based on 10567.
 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 the center-line of the bucket pivot mounting pin on the arm.
 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: 1 000 kg

	Stabilization	Load radius										At max. reach		
		3 m		4 m		5 m		6 m		7 m				
														meter
6 m	Rear blade up					3.1	3.0	2.3	2.2			2.2	2.0	6.19
	Rear blade down					*3.2	*3.2	*3.0	2.5			*2.4	2.4	
	Rear outrigger down					*3.2	*3.2	*3.0	*3.0			*2.4	*2.4	
	Front outrigger and rear blade down					*3.2	*3.2	*3.0	*3.0			*2.4	*2.4	
	Front blade and rear outrigger down					*3.2	*3.2	*3.0	*3.0			*2.4	*2.4	
	4 outrigger down					*3.2	*3.2	*3.0	*3.0			*2.4	*2.4	
5 m	Rear blade up			*3.5	*3.5	*3.1	3.0	2.4	2.2			1.8	1.7	6.80
	Rear blade down			*3.5	*3.5	*3.3	*3.3	*3.2	2.6			*2.3	2.0	
	Rear outrigger down			*3.5	*3.5	*3.3	*3.3	*3.2	3.1			*2.3	*2.3	
	Front outrigger and rear blade down			*3.5	*3.5	*3.3	*3.3	*3.2	*3.2			*2.3	*2.3	
	Front blade and rear outrigger down			*3.5	*3.5	*3.3	*3.3	*3.2	*3.2			*2.3	*2.3	
	4 outrigger down			*3.5	*3.5	*3.3	*3.3	*3.2	*3.2			*2.3	*2.3	
4 m	Rear blade up	*5.1	*5.1	*4.2	4.0	3.1	2.9	2.4	2.2	1.8	1.6	1.6	1.5	7.21
	Rear blade down	*5.1	*5.1	*4.2	*4.2	*3.7	3.3	*3.4	2.6	*3.1	1.9	*2.3	1.8	
	Rear outrigger down	*5.1	*5.1	*4.2	*4.2	*3.7	*3.7	*3.4	3.1	*3.1	2.4	*2.3	2.2	
	Front outrigger and rear blade down	*5.1	*5.1	*4.2	*4.2	*3.7	*3.7	*3.4	*3.4	*3.1	2.8	*2.3	*2.3	
	Front blade and rear outrigger down	*5.1	*5.1	*4.2	*4.2	*3.7	*3.7	*3.4	*3.4	*3.1	3.0	*2.3	*2.3	
	4 outrigger down	*5.1	*5.1	*4.2	*4.2	*3.7	*3.7	*3.4	*3.4	*3.1	*3.1	*2.3	*2.3	
3 m	Rear blade up	6.2	5.8	4.1	3.9	3.0	2.9	*2.4	2.2	1.7	1.6	1.5	1.4	7.46
	Rear blade down	*6.4	*6.4	*5.1	4.5	*4.2	*3.3	*3.7	2.6	*3.4	1.9	*2.3	1.7	
	Rear outrigger down	*6.4	*6.4	*5.1	*5.1	*4.2	3.9	*3.7	*3.0	*3.4	2.3	*2.3	2.1	
	Front outrigger and rear blade down	*6.4	*6.4	*5.1	*5.1	*4.2	*4.2	*3.7	3.6	*3.4	2.8	*2.3	*2.3	
	Front blade and rear outrigger down	*6.4	*6.4	*5.1	*5.1	*4.2	*4.2	*3.7	*3.7	*3.4	3.0	*2.3	*2.3	
	4 outrigger down	*6.4	*6.4	*5.1	*5.1	*4.2	*4.2	*3.7	*3.7	*3.4	*3.4	*2.3	*2.3	
2 m	Rear blade up	6.1	5.7	4.0	*3.8	3.0	2.9	2.3	2.2	1.7	1.6	1.5	1.4	7.56
	Rear blade down	*7.5	6.7	*5.9	4.4	*4.6	3.2	*3.9	2.5	*3.5	1.9	*2.4	1.6	
	Rear outrigger down	*7.5	*7.5	*5.9	5.3	*4.6	*3.9	*3.9	*3.0	3.4	2.3	*2.4	2.0	
	Front outrigger and rear blade down	*7.5	*7.5	*5.9	*5.9	*4.6	4.5	*3.9	3.5	*3.5	2.8	*2.4	*2.4	
	Front blade and rear outrigger down	*7.5	*7.5	*5.9	*5.9	*4.6	*4.6	*3.9	*3.7	*3.5	3.0	*2.4	*2.4	
	4 outrigger down	*7.5	*7.5	*5.9	*5.9	*4.6	*4.6	*3.9	*3.9	*3.5	3.4	*2.4	*2.4	
1 m	Rear blade up	6.1	5.7	4.0	3.8	3.0	2.9	2.2	2.1	1.7	1.6	1.5	1.4	7.53
	Rear blade down	*8.1	6.7	*6.5	*4.4	*5.0	3.3	*4.2	2.4	*3.6	1.8	*2.5	1.6	
	Rear outrigger down	*8.1	*8.1	*6.5	5.3	*5.0	3.9	*4.2	3.0	3.4	2.3	*2.5	2.0	
	Front outrigger and rear blade down	*8.1	*8.1	*6.5	6.2	*5.0	4.5	*4.2	*3.6	*3.6	2.8	*2.5	2.4	
	Front blade and rear outrigger down	*8.1	*8.1	*6.5	*6.5	*5.0	4.8	*4.2	3.7	*3.6	2.9	*2.5	*2.5	
	4 outrigger down	*8.1	*8.1	*6.5	*6.5	*5.0	*5.0	*4.2	*4.2	*3.6	3.4	*2.5	*2.5	
0 m	Rear blade up	6.1	5.8	4.1	3.8	2.9	2.8	2.1	2.0	1.6	1.5	1.5	1.4	7.35
	Rear blade down	*9.0	6.7	*6.7	4.4	*5.2	3.2	*4.3	2.4	*3.7	1.8	*2.7	1.6	
	Rear outrigger down	*9.0	8.3	*6.7	*5.3	*5.2	4.0	*4.2	2.9	3.4	2.2	*2.7	2.0	
	Front outrigger and rear blade down	*9.0	*9.0	*6.7	*6.3	*5.2	4.6	*4.3	3.5	*3.7	2.7	*2.7	2.5	
	Front blade and rear outrigger down	*9.0	*9.0	*6.7	6.6	*5.2	*4.8	*4.3	3.7	*3.7	2.9	*2.7	2.7	
	4 outrigger down	*9.0	*9.0	*6.7	*6.7	*5.2	*5.2	*4.3	*4.2	*3.7	3.3	*2.7	*2.7	
-1 m	Rear blade up	6.0	5.6	3.9	3.7	2.8	2.6	2.1	1.9	1.6	1.5	1.6	1.5	7.03
	Rear blade down	*9.4	6.7	*6.8	4.3	*5.3	3.1	*4.4	2.3	*3.3	1.7	*3.0	1.7	
	Rear outrigger down	*9.4	*8.5	*6.8	5.4	*5.3	3.8	4.3	2.8	*3.3	2.2	*3.0	2.2	
	Front outrigger and rear blade down	*9.4	*9.4	*6.8	6.4	*5.3	4.6	*4.4	3.4	*3.3	2.7	*3.0	2.6	
	Front blade and rear outrigger down	*9.4	*9.4	*6.8	*6.7	*5.3	4.9	*4.4	3.6	*3.3	2.8	*3.0	2.8	
	4 outrigger downer down	*9.4	*9.4	*6.8	*6.8	*5.3	*5.3	*4.4	4.2	*3.3	*3.3	*3.0	*3.0	
-2 m	Rear blade up	5.9	5.5	3.8	3.6	2.7	2.5	2.0	1.9			1.7	1.6	6.53
	Rear blade down	*9.6	6.6	*6.9	4.2	*5.4	2.9	*4.2	2.2			*3.5	1.9	
	Rear outrigger down	*9.6	8.6	*6.9	5.3	*5.4	3.7	*4.2	2.7			*3.5	2.4	
	Front outrigger and rear blade down	*9.6	*9.6	*6.9	6.5	*5.4	4.5	*4.2	3.4			*3.5	2.9	
	Front blade and rear outrigger down	*9.6	*9.6	*6.9	*6.9	*5.4	4.8	*4.2	3.6			*3.5	3.1	
	4 outrigger down	*9.6	*9.6	*6.9	*6.9	*5.4	*5.4	*4.2	4.2			*3.5	*3.5	
-3 m	Rear blade up	5.8	5.4	3.7	3.4	2.6	2.4					2.1	2.0	5.73
	Rear blade down	*9.8	6.5	*6.9	4.1	*5.0	2.9					*3.6	2.3	
	Rear outrigger down	*9.8	8.5	*6.9	5.1	*5.0	3.6					*3.6	2.9	
	Front outrigger and rear blade down	*9.8	*9.8	*6.9	6.4	*5.0	4.4					*3.6	3.6	
	Front blade and rear outrigger down	*9.8	*9.8	*6.9	6.8	*5.0	4.7					*3.6	*3.6	
	4 outrigger down	*9.8	*9.8	*6.9	*6.9	*5.0	*5.0					*3.6	*3.6	

Standard Equipment

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

ENGINE

- The engine conforms to EU stage II standards
- Turbocharged, intercooled
- The radiator, oil cooler and intercooler are all made of aluminum
- H/P mode control
- E mode control
- 50 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
- Auto acceleration system

HYDRAULIC SYSTEM

- Work mode selector
- Engine speed sensing system
- E-P control system
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Boom-arm anti-drift valve
- Brake valves for travel circuits
- Accumulator in pilot circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

- Steering filter
- Outriggers are individually controlled

CABIN

- CRES (Center pillar Reinforced Structure) cabin
- All-weather sound-suppressed steel cab
- Reinforced, tinted (green color) glass windows
- 4 fluid-filled elastic mounts
- Windows on upper, lower-front and left side can be opened
- Intermittent windshield retractable wipers
- Front window washer
- Transparency roof (with roll curtain)
- Adjustable suspension seat with 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
- Pilot control shut-off lever
- Engine stop knob
- Information controller
- Auto control air conditioner

MONITOR SYSTEM

- Meters: Speedometer, hourmeter and tripmeter, engine coolant temperature gauge, hydraulic brake pressure gauge, fuel gauge
- Warning lamps: Alternator charge, brake pressure warning indicator, engine oil pressure, engine overheat, travel motor warning indicator, air filter restriction and minimum fuel level
- Pilot lamps: Work light, auto-idle and auto-acceleration, digging mode and attachment mode, engine preheat, turn signals, head light high beam, parking brake, digging brake, axle lock, hazard warning signals, shift lever (N/D/L), clearance light, outrigger/dozer, blade operation
- Alarm buzzers: Front attachment operation while parking brake is on, engine oil pressure, engine overheat, and brake pressure

LIGHTS AND SIGNALS

- Two headlights
- Working light
- Combination lamps
- Turn signal lamps
- Brake lamps
- Clearance lamps
- Hazard lamps

UPPERSTRUCTURE

- Undercover
- Fuel level float
- Hydraulic oil level gauge
- Rearview mirrors, left and right
- Swing parking brake
- Swing lock

UNDERCARRIAGE

- Parking brake
- Toolbox left chassis
- Traction type pattern tires (10.00-20-14 PR)
- Tire spacer

FRONT ATTACHMENTS

- HN bushing
- WC thermal spraying
- Reinforced resin thrust plate
- Flanged pin
- Bucket clearance adjust mechanism
- Centralized lubrication system
- Dirt seal on all bucket pins

MISCELLANEOUS

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

Optional Equipment

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

CABIN

- Full seat screw on the cab
- Roof guard for cab
- Upper front guard for cab
- Low front guard for cab
- Suspension seat with heater
- Air suspension seat with heater
- Immobilizer key
- 12 V power source
- Vandal cover for cab
- Rotating lamp
- OPG top and front guard level 2 (ISO) compliant cab

LIGHTS

- Additional cab roof front light
- Additional cab roof rear light
- Additional boom light with cover

FRONT ATTACHMENTS

- 2-piece boom
- 2.10 m arm
- 3.01 m arm
- Other variety buckets
- Reinforced arm

UNDERCARRIAGE

- Short chassis
- Rear dozer blade
- Rear outriggers
- Front dozer blade + rear outriggers
- Front outriggers + rear dozer blade
- Front outriggers + rear outriggers
- Right toolbox
- Twin tire 11:00-20
- Single tire 600/40-22.5
- Single tire 18R-19.5

ATTACHMENT

- Parts for hammer and crusher
- Hammer and crusher piping
- Assist piping
- Clamshell piping
- Quick coupler piping

OTHERS

- Hose rupture valve (boom) with overload warning device
- Hose rupture valve (arm)
- Hose rupture valve (positioning)
- Pre-cleaner
- Fuel double filter
- Biodegradable oil
- High-performance full flow filter (with restriction indicator)
- Electric fuel refilling pump

NOTES

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NOTES

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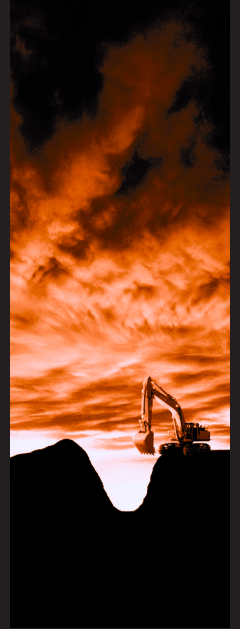
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**Breaking
new
ground**

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