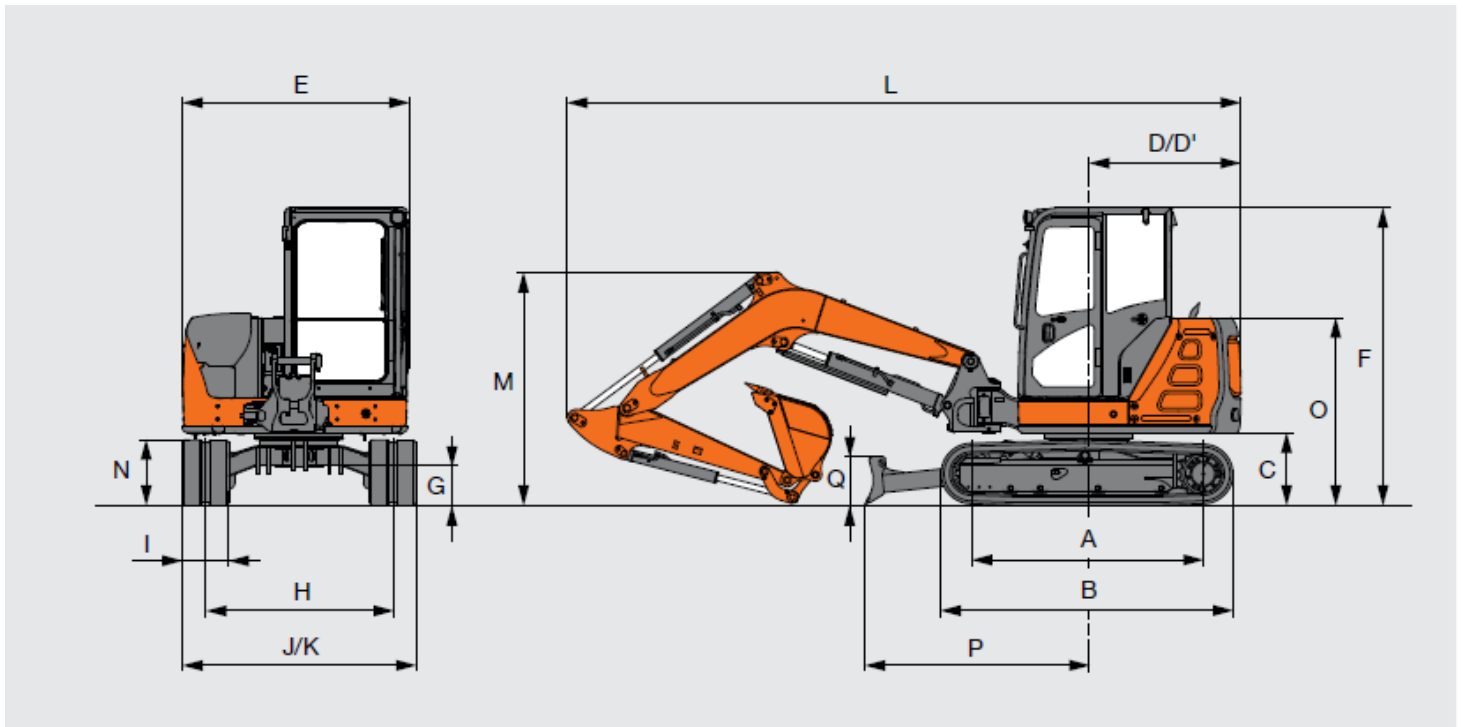
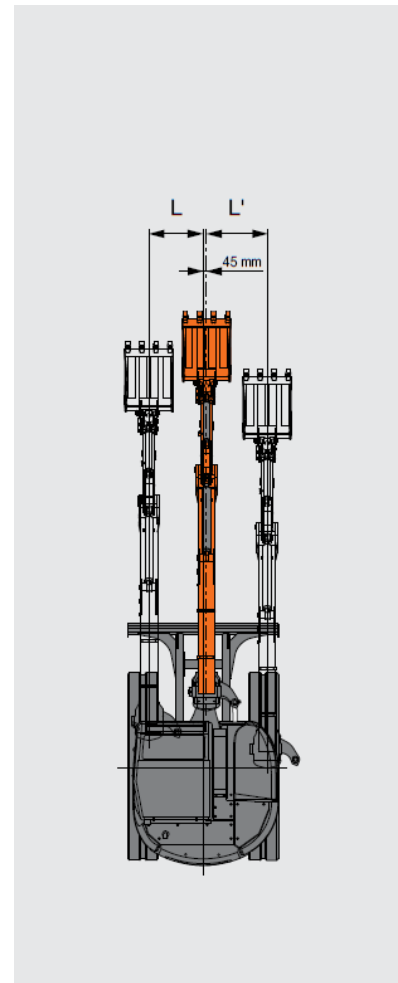
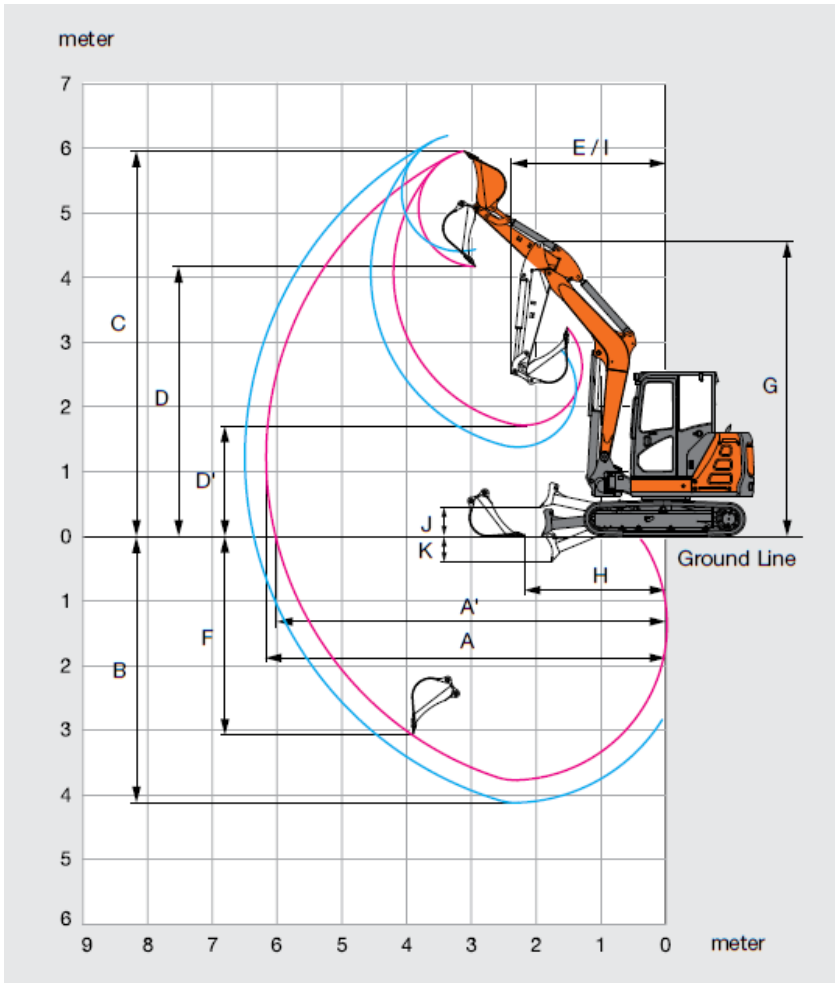


Dimensions



	ZAXIS 65USB
A - Distance between tumbler	1 900 (1 980)
B - Undercarriage length	2 500 (2 480)
C - Counterweight clearance*	620 (615)
D - Rear-end swing radius	1 300
D' - Rear-end length	1 300
E - Overall width of upper structure	1 930
F - Overall height of cab	2 540
G - Minimum ground clearance*	335 (330)
H - Track gauge	1 600
I - Track shoe width	400
J - Undercarriage width	2 000
K - Overall width	2 000
L - Overall length	
With 1.50 m arm	5 760
With 1.85 m arm	5 760
M - Overall height of boom	
With 1.50 m arm	1 980
With 1.85 m arm	2 170
N - Track Height	560 (550)
O - Engine cover-height	1 600
P - Horizontal distance to blade	1 920
Q - Blade Height	420
* = Excluding track shoe lug	
() = information with () are dimensions of grouser shoe	

Working Ranges



Arm length	1.50m	1.85m
A – Maximum digging reach	6 230	6 560
A' – Maximum digging reach (on ground)	6 080	6 420
B – Maximum digging depth	3 770	4 120
C – Maximum cutting height	5 960	6 190
D – Maximum dumping height	4 170	4 410
D' – Minimum dumping height	1 720	1 380
E – Minimum swing radius	2 450	2 540
F – Maximum vertical wall digging depth	3 050	3 390
G – Front height at Minimum swing radius	4 560	4 560
H – Minimum level crowding distance	2 170	2 000
I – Working radius at Minimum swing radius (Maximum boom-swing angle)	1 980	2 060
J – Blade bottom highest position above ground	450	450
K – Blade bottom lowest position above ground	390	390
L/L' – Offset distance	720 / 850	720 / 850
Maximum boom-swing angle (degree)	80 / 60	80 / 60

Excluding track shoe lug

Unit: mm

Bucket and Arm Digging Force

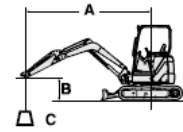
Arm length	1.50 m	1.85 m
Bucket digging force ISO	4.1 kN (4190 kgf)	
Bucket digging force SAE: PCSA	35.9 kN (3660 kgf)	
Arm crowd force ISO	31.1 kN (3170 kgf)	27.0 kN (2750 kgf)
Arm crowd force SAE: PCSA	29.5 kN (3010 kgf)	25.8 kN (2630 kgf)

Service Refill Capabilities

Fuel tank	120.0 L
Engine coolant	7.4 L
Engine oil	11.2 L
Travel device (each side)	0.9 L
Hydraulic system	108.0 L
Hydraulic oil tank	60.0 L

LIFTING CAPACITIES

- Notes: 1. Ratings are based on ISO 10667.
 2. Lifting capacity 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.
 5. 0 m = Ground.



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

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.

ZAXIS 65USB, Blade above Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		meter		
Boom 2.97 m Arm 1.50 m Rubber shoe 400 mm	4.0							1.37	1.16			1.20	1.02	4.32
	3.0					*1.78	*1.78	1.35	1.15			0.95	0.81	4.95
	2.0					2.01	1.66	1.29	1.09	0.92	0.78	0.85	0.72	5.26
	1.0					1.87	1.53	1.23	1.03	0.89	0.76	0.82	0.69	5.32
	0 (Ground)					1.82	1.48	1.20	1.00	0.88	0.74	0.85	0.71	5.14
	-1.0	*2.58	*2.58	*3.07	2.90	1.82	1.49	1.19	0.99			0.96	0.81	4.70
	-2.0			3.88	2.97	1.86	1.53					1.28	1.07	3.87

ZAXIS 65USB, Blade above ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		meter		
Boom 2.97 m Arm 1.85 m Rubber shoe 400 mm	4.0							*1.29	1.18			1.03	0.88	4.74
	3.0							1.36	1.15	0.94	0.80	0.85	0.72	5.30
	2.0					2.05	1.70	1.30	1.10	0.92	0.78	0.76	0.65	5.59
	1.0					1.88	1.54	1.23	1.03	0.89	0.75	0.74	0.62	5.65
	0 (Ground)					1.80	1.46	1.18	0.98	0.86	0.72	0.76	0.64	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	1.78	1.45	1.16	0.97	0.86	0.72	0.84	0.71	5.08
	-2.0	*3.37	*3.37	3.78	2.88	1.81	1.48	1.18	0.98			1.06	0.89	4.34
-3.0			*2.97	*2.97							*1.79	1.62	2.93	

ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		meter		
Boom 2.97 m Arm 1.50 m Rubber shoe 400 mm	4.0							*1.55	1.16			*1.62	1.02	4.32
	3.0					*1.78	*1.78	*1.64	1.15			*1.64	0.81	4.95
	2.0					*2.74	1.66	*1.98	1.09	*1.71	0.78	*1.67	0.72	5.26
	1.0					*3.64	1.53	*2.35	1.03	*1.84	0.76	*1.75	0.69	5.32
	0 (Ground)					*3.87	1.48	*2.55	1.00	*1.90	0.74	*1.82	0.71	5.14
	-1.0	*2.58	*2.58	*3.07	2.90	*3.63	1.49	*2.47	0.99			*1.91	0.81	4.70
	-2.0			*4.67	2.97	*2.91	1.53					*1.96	1.07	3.87

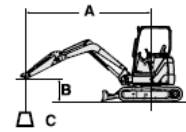
ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		meter		
Boom 2.97 m Arm 1.85 m Rubber shoe 400 mm	4.0							*1.29	1.18			*1.37	0.88	4.74
	3.0							*1.42	1.15	*1.45	0.80	*1.30	0.72	5.30
	2.0					*2.31	1.70	*1.78	1.10	*1.57	0.78	*1.32	0.65	5.59
	1.0					*3.34	1.54	*2.19	1.03	*1.75	0.75	*1.41	0.62	5.65
	0 (Ground)					*3.81	1.46	*2.47	0.98	*1.87	0.72	*1.59	0.64	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	*3.75	1.45	*2.51	0.97	*1.80	0.72	*1.75	0.71	5.08
	-2.0	*3.37	*3.37	*4.58	2.88	*3.23	1.48	*2.15	0.98			*1.83	0.89	4.34
-3.0			*2.97	*2.97							*1.79	1.62	2.93	

LIFTING CAPACITIES

- Notes: 1. Ratings are based on ISO 10567.
 2. Lifting capacity 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.
 5. 0 m = Ground.



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

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.

ZAXIS 65USB, Blade above Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.50 m Grouser shoe 400 mm	4.0							1.39	1.18			1.22	1.04	4.32
	3.0					*1.78	*1.78	1.37	1.16			0.97	0.82	4.95
	2.0					2.04	1.69	1.32	1.11	0.94	0.79	0.86	0.73	5.26
	1.0					1.90	1.56	1.25	1.05	0.91	0.77	0.83	0.71	5.32
	0 (Ground)					1.85	1.51	1.22	1.02	0.89	0.76	0.86	0.73	5.14
	-1.0	*2.58	*2.58	*3.07	2.95	1.85	1.51	1.21	1.01			0.98	0.82	4.70
	-2.0			3.94	3.02	1.89	1.55					1.31	1.09	3.87

ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.50 m Grouser shoe 400 mm	4.0							*1.55	1.16			*1.62	1.02	4.32
	3.0					*1.78	*1.78	*1.64	1.15			*1.64	0.81	4.95
	2.0					*2.74	1.66	*1.98	1.09	*1.71	0.78	*1.67	0.72	5.26
	1.0					*3.64	1.53	*2.35	1.03	*1.84	0.76	*1.75	0.69	5.32
	0 (Ground)					*3.87	1.48	*2.55	1.00	*1.90	0.74	*1.82	0.71	5.14
	-1.0	*2.58	*2.58	*3.07	2.90	*3.63	1.49	*2.47	0.99			*1.91	0.81	4.70
	-2.0			*4.67	2.97	*2.91	1.53					*1.96	1.07	3.87

ZAXIS 65USB, Blade above Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.85 m Grouser shoe 400 mm	4.0							*1.29	1.20			1.05	0.89	4.74
	3.0							1.38	1.17	0.96	0.81	0.86	0.73	5.30
	2.0					2.08	1.72	1.32	1.12	0.93	0.79	0.78	0.66	5.59
	1.0					1.91	1.57	1.25	1.05	0.90	0.76	0.75	0.63	5.65
	0 (Ground)					1.83	1.49	1.20	1.00	0.88	0.74	0.77	0.65	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	1.82	1.48	1.18	0.99	0.87	0.73	0.86	0.72	5.08
	-2.0	*3.37	*3.37	3.85	2.94	1.85	1.51	1.20	1.00			1.08	0.90	4.34
-3.0			*2.97	*2.97							*1.79	1.65	2.93	

ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.85 m Grouser shoe 400 mm	4.0							*1.29	1.18			*1.37	0.88	4.74
	3.0							*1.42	1.15	*1.45	0.80	*1.30	0.72	5.30
	2.0					*2.31	1.70	*1.78	1.10	*1.57	0.78	*1.32	0.65	5.59
	1.0					*3.34	1.54	*2.19	1.03	*1.75	0.75	*1.41	0.62	5.65
	0 (Ground)					*3.81	1.46	*2.47	0.98	*1.87	0.72	*1.59	0.64	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	*3.75	1.45	*2.51	0.97	*1.80	0.72	*1.75	0.71	5.08
	-2.0	*3.37	*3.37	*4.58	2.88	*3.23	1.48	*2.15	0.98			*1.83	0.89	4.34
-3.0			*2.97	*2.97							*1.79	1.62	2.93	

EQUIPMENT

HITACHI EX65

● Standard equipment ○ Optional equipment

ENGINE

Auto idle system	●
Cartridge-type engine oil filter	●
Dust-proof indoor net	●
ECO/PWR mode control	●
Electrical fuel feed pump	●
Fuel main filter	●
High performance water separator	●
Radiator reserve tank	●
55 A alternator	●

HYDRAULIC SYSTEM

Boom anti-drift valve	●
Full-flow filter	●
Hydraulic pilot type control levers	●
Pilot control shut-off lever with neutral engine start system	●
Pilot filter	●
Suction filter	●
Swing parking brake	●
Travel parking brake	●
Two-speed travel system	●
Valve for extra piping	●

CAB

Air conditioner	●
AM/FM radio	●
Anti-slip plate	●
Armrest	●
Defroster	●
Drink holder	●
Electric horn	●
Floor mat	●
Reclining seat	●
Retractable seat belt	●
ROPS/FOPS cab	●
Spare power supply	●
Suspension seat	●
Window washer	●
Wiper	●

UPPERSTRUCTURE

Auxiliary flow rate selector	○
Auxiliary overload relief valve	○
Auxiliary function lever (AFL)	○
Electric refuel pump	○
Pilot accumulator	○
Rearview mirror	●
Stack muffler	●
Tool box	●
270 kg additional counterweight	○

UNDERCARRIAGE

400 mm grouser shoes	○
400 mm pad crawler shoes	○
400 mm rubber shoes	●

FRONT ATTACHMENTS

Assist piping	○
Extra piping	●
HN bushing	●
Hose rupture valve	○
1.50 m arm	○
1.85 m arm	●

MISCELLANEOUS

Theft deterrent system*	○
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