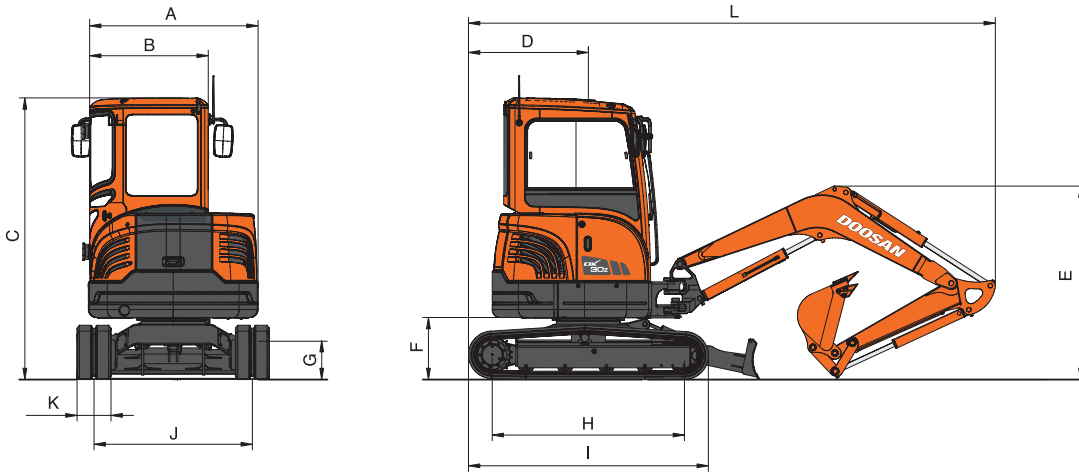


Dimensions and working ranges



**DX
27z**

**DX
30z**

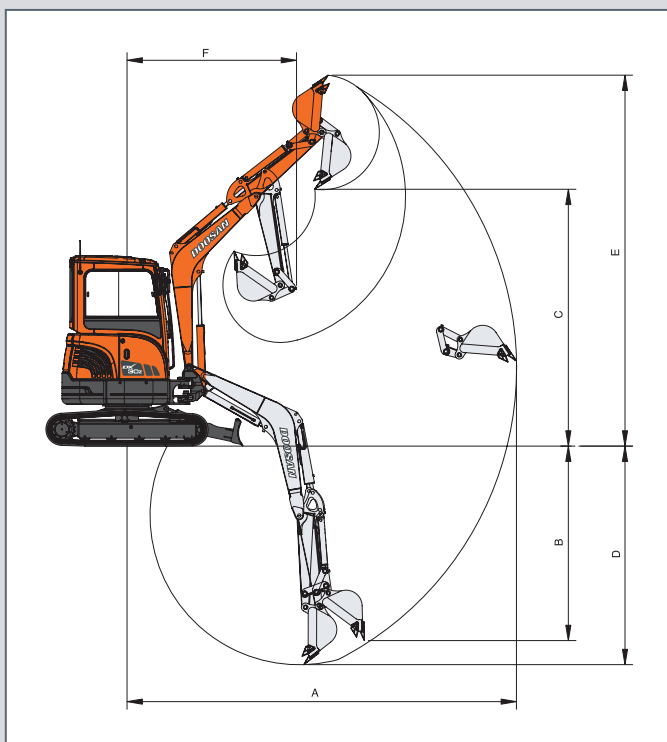
* Dimensions

	DX27z	DX30z
Boom type	2000 mm	2280 mm
Arm type	1100 mm	1190 mm
A Overall width of upper structure	1440 mm	1440 mm
B Overall width of cabin	1030 mm	1030 mm
C Overall height of cabin	2445 mm	2480 mm
D Tail swing radius	760 mm	775 mm
E Boom transport height	1488 mm	1590 mm
F Clearance under counterweight	520 mm	535 mm
G Ground clearance	440 mm	450 mm
H Tumbler distance	1550 mm	1650 mm
I Track length	1970 mm	2100 mm
J Track gauge	1270 mm	1250 mm
K Track shoe width	300 mm	300 mm
L Overall length	4060 mm	4507 mm

* Digging force (ISO)

	DX27z		DX30z	
Bucket (PCSA)	0.08 m³		0.091 m³	
Digging force	2020 kgf		2800 kgf	
Arm	1100 mm	1300 mm	1190 mm	1300 mm
Digging force	1400 kgf	1260 kgf	1800 kgf	1700 kgf

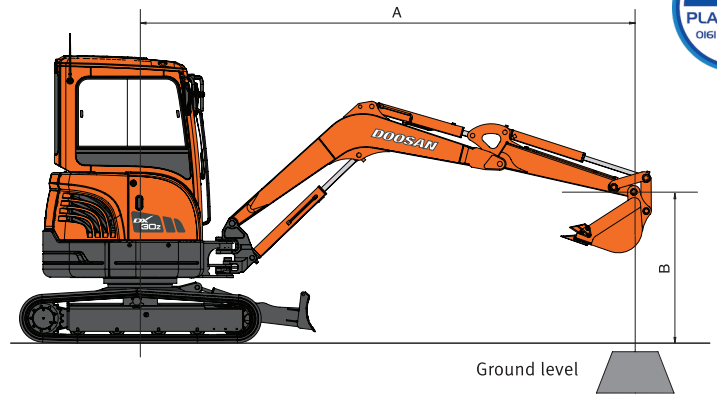
At power boost (ISO)



* Working range

		DX27z		DX30z	
	mm	2000	1300	2280	1300
Boom type	mm				
Arm type	mm	1100	1300	1190	1300
Bucket type (SAE)	m ³	0.08	0.08	0.09	0.09
A Max. digging reach	mm	4505	4690	4882	4984
B Max. vertical wall depth	mm	2295	2500	2278	2383
C Max. loading height	mm	2775	2935	3122	3185
D Max. digging depth	mm	2490	2690	2838	2948
E Max. digging height	mm	4165	4280	4555	4618
F Min. swing radius	mm	1950	1985	2015	2034

Lifting capacity



DX27z

STANDARD — Boom: 2000 mm - Arm: 1100 mm - Bucket: SAE 0,08 m³ (CECE 0,07 m³) - Shoe: 300 mm

Units: 1000 kg

A (m)	2		2.5		3		3.5		Max. reach													
	Dozer up		Dozer down		Dozer up		Dozer down		Dozer up		Dozer down		A (m)	A (m)								
B (m)	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹						
3							0.51	0.43	*0.58	0.43			0.5	0.42	3.03	*0.59	0.42	3.03				
2.5							0.52	0.43	*0.57	0.43			0.42	0.35	3.39	*0.59	0.35	3.39				
2					*0.67	0.57	*0.67	0.57	0.51	0.43	*0.62	0.43	0.40	0.33	*0.60	0.33	0.37	0.31	3.63	*0.60	0.31	3.63
1.5	0.98	0.79	*1.17	0.79	0.68	0.56	*0.85	0.56	0.51	0.42	*0.71	0.42	0.39	0.33	*0.64	0.33	0.35	0.29	3.76	*0.62	0.29	3.76
1					0.66	0.54	*1.04	0.54	0.50	0.41	*0.81	0.41	0.39	0.32	*0.69	0.32	0.34	0.28	3.80	*0.64	0.28	3.80
0.5	0.93	0.74	*1.24	0.74	0.65	0.53	*1.17	0.53	0.49	0.40	*0.89	0.40	0.39	0.32	*0.73	0.32	0.34	0.28	3.76	*0.66	0.28	3.76
O (ground)	0.92	0.74	*1.67	0.74	0.64	0.52	*1.22	0.52	0.48	0.40	*0.92	0.40	0.38	0.32	*0.74	0.32	0.36	0.30	3.63	*0.69	0.30	3.63
-0.5	0.92	0.74	*1.66	0.74	0.64	0.52	*1.19	0.52	0.48	0.40	*0.90	0.40					0.40	0.33	3.40	*0.72	0.33	3.40
-1	0.93	0.74	*1.46	0.74	0.64	0.53	*1.07	0.53	0.49	0.40	*0.77	0.40					0.48	0.39	3.04	*0.75	0.39	3.04
-1.5	0.94	0.76	*1.09	0.76													0.67	0.55	2.46	*0.76	0.55	2.46

OPTION — Boom: 2000 mm - Arm: 1300 mm - Bucket: SAE 0,08 m³ (CECE 0,07 m³) - Shoe: 300 mm

Units: 1000 kg

A (m)	2		2.5		3		3.5		Max. reach													
	Dozer up		Dozer down		Dozer up		Dozer down		Dozer up		Dozer down		A (m)	A (m)								
B (m)	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹						
3.5													*0.53	0.53	2.76	*0.53	0.53	2.76				
3							*0.49	0.47	*0.59	0.47			0.49	0.41	3.27	*0.53	0.41	3.27				
2.5							*0.49	0.47	*0.49	0.47	0.44	0.36	*0.53	0.36	0.41	0.34	3.61	*0.54	0.34	3.61		
2							*0.55	0.47	*0.55	0.47	0.44	0.36	*0.54	0.36	0.37	0.31	3.82	*0.55	0.31	3.82		
1.5	*0.98	0.88	*0.98	0.88	0.74	0.61	*0.75	0.61	0.55	0.46	*0.65	0.46	0.43	0.36	*0.59	0.36	0.35	0.29	3.95	*0.57	0.29	3.95
1	1.04	0.84	*1.12	0.84	0.72	0.60	*0.96	0.60	0.54	0.45	*0.76	0.45	0.43	0.35	*0.65	0.35	0.35	0.29	3.99	*0.59	0.29	3.99
0.5	1.01	0.81	*1.48	0.81	0.71	0.58	*1.12	0.58	0.53	0.44	*0.85	0.44	0.42	0.35	*0.70	0.35	0.35	0.29	3.95	*0.61	0.29	3.95
O (ground)	1.00	0.80	*1.65	0.80	0.70	0.57	*1.20	0.57	0.53	0.44	*0.90	0.44	0.42	0.35	*0.73	0.35	0.36	0.30	3.83	*0.64	0.30	3.83
-0.5	1.00	0.80	*1.71	0.80	0.70	0.57	*1.20	0.57	0.53	0.43	*0.91	0.43	0.42	0.35	*0.71	0.35	0.40	0.33	3.61	*0.67	0.33	3.61
-1	1.01	0.81	*1.56	0.81	0.70	0.57	*1.12	0.57	0.53	0.44	*0.84	0.43					0.46	0.38	3.28	*0.70	0.38	3.28
-1.5	1.02	0.82	*1.27	0.82	0.71	0.58	*0.90	0.58									0.60	0.50	2.78	*0.73	0.50	2.78

DX30z

STANDARD — Boom: 2280 mm - Arm: 1190 mm - Bucket: SAE 0,09 m³ (CECE 0,078 m³) - Shoe: 300 mm

Units: 1000 kg

A (m)	2		2.5		3		3.5		Max. reach													
	Dozer up		Dozer down		Dozer up		Dozer down		Dozer up		Dozer down		A (m)	A (m)								
B (m)	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹						
3							*0.50	0.46	0.50	0.50			0.51	0.35	3.50	0.57	0.38	3.50				
2.5							*0.55	0.46	0.55	0.49	0.52	0.35	0.56	0.38	0.44	0.30	3.81	0.59	0.33	3.81		
2	0.90	0.88	0.90	0.90	0.73	0.61	0.73	0.65	*0.65	0.45	0.65	0.49	0.51	0.35	0.61	0.38	0.40	0.27	4.01	0.61	0.30	4.01
1.5					0.88	0.59	0.98	0.63	0.65	0.44	0.78	0.48	0.51	0.34	0.68	0.37	0.38	0.26	4.12	0.63	0.28	4.12
1					0.85	0.56	1.22	0.61	0.64	0.43	0.92	0.46	0.50	0.34	0.76	0.36	0.38	0.25	4.16	0.66	0.27	4.16
0.5					0.84	0.55	1.38	0.59	0.63	0.42	1.02	0.45	0.49	0.33	0.83	0.36	0.38	0.25	4.12	0.69	0.28	4.12
O (ground)	1.21	0.77	1.27	0.83	0.83	0.54	1.45	0.59	0.62	0.41	1.09	0.45	0.49	0.33	0.87	0.36	0.40	0.26	4.00	0.72	0.29	4.00
-0.5	1.22	0.77	2.00	0.83	0.83	0.54	1.44	0.59	0.62	0.41	1.10	0.45	0.49	0.32	0.87	0.35	0.43	0.29	3.80	0.76	0.31	3.80
-1	1.23	0.78	1.88	0.84	0.83	0.55	1.37	0.59	0.62	0.41	1.05	0.45					0.49	0.33	3.49	0.81	0.36	3.49
-1.5	1.24	0.79	1.63	0.85	0.84	0.56	1.20	0.60	0.63	0.42	0.88	0.46					0.62	0.42	3.02	0.87	0.45	3.02

OPTION — Boom: 2280 mm - Arm: 1300 mm - Bucket: SAE 0,09 m³ (CECE 0,078 m³) - Shoe: 300 mm

Units: 1000 kg

A (m)	2		2.5		3		3.5		Max. reach													
	Dozer up		Dozer down		Dozer up		Dozer down		Dozer up		Dozer down		A (m)	A (m)								
B (m)	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹						
3							0.46	0.46	0.46	0.46	0.52	0.38	0.52	0.38	0.52	0.35	3.63	0.54	0.35	3.63		
2.5							0.51	0.50	0.51	0.50	0.53	0.38	0.53	0.38	0.46	0.31	3.92	0.56	0.31	3.92		
2					0.66	0.66	0.66	0.66	0.61	0.49	0.61	0.49	0.55	0.38	0.58	0.38	0.42	0.28	4.11	0.58	0.28	4.11
1.5					0.92	0.63	0.92	0.63	0.70	0.48	0.74	0.48	0.55	0.37	0.65	0.37	0.40	0.27	4.22	0.60	0.27	4.22
1					0.92	0.61	1.17	0.61	0.69	0.46	0.88	0.46	0.54	0.36	0.74	0.36	0.39	0.26	4.26	0.63	0.26	4.26
0.5					0.90	0.59	1.34	0.59	0.68	0.45	1.00	0.45	0.53	0.36	0.81	0.36	0.39	0.26	4.22	0.66	0.26	4.22
O (ground)	1.29	0.82	1.29	0.82	0.89	0.58	1.43	0.58	0.67	0.45	1.07	0.45	0.53	0.35	0.86	0.35	0.41	0.27	4.11	0.69	0.27	4.11
-0.5	1.30	0.83	1.90	0.83	0.89	0.58	1.44	0.58	0.67	0.44	1.09	0.44	0.52	0.35	0.87	0.35	0.44	0.30	3.91	0.73	0.30	3.91
-1	1.31	0.83	1.92	0.83	0.89	0.59	1.39	0.59	0.67	0.44	1.06	0.44	0.53	0.35	0.83	0.35	0.50	0.34	3.61	0.78	0.34	3.61
-1.5	1.33	0.84	1.70	0.84	0.90	0.59	1.24	0.59	0.67	0.45	0.93	0.45					0.62	0.41	3.18	0.83	0.41	3.18

1. The nominal forces are based on the SAE J1097 standard.

2. The load point is the hook at the rear of the bucket.

3. * = The nominal loads are based on hydraulic capacity.

4. The nominal loads do not exceed 87% of the hydraulic capacity or 75% of the capacity of the swing.

☺ : Over front

☹ : Over side or 360°