



DX27Z

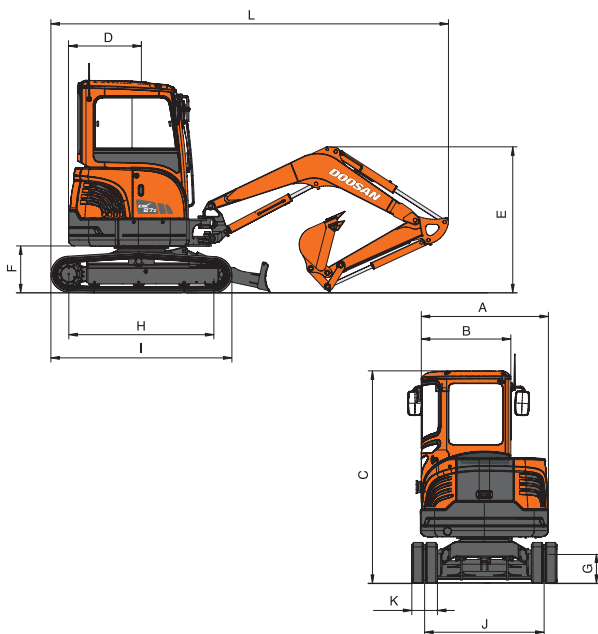
Engine power: 15,8 kW / 21,2 Hp at 2.200 rpm
 Operational weight: 2.790 kg
 Bucket capacity (SAE): 0,08 m³



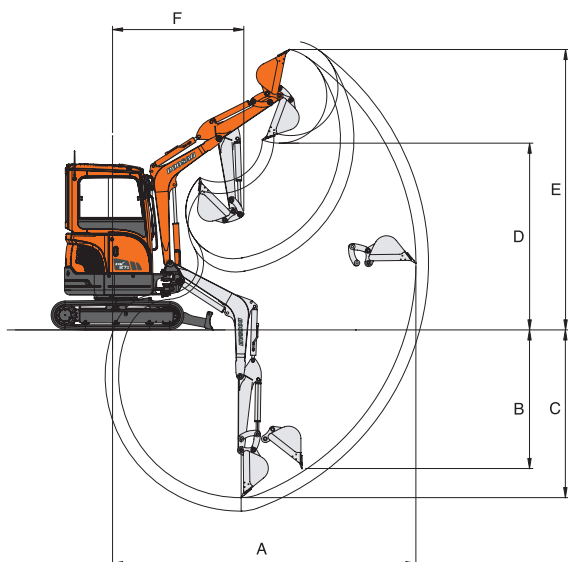
Doosan Infracore
 Construction Equipment

Dimensions – Boom : 2.000 mm - Shoe : 300 mm - Std.

Dimensions



Working Ranges



Operating weight		kg	2.790	2.800
Bucket				
Capacity	SAE	m ³	0,08	
Engine				
Model			3TNV82A-SDB	
Displacement		cc	1.331	
Rated power/R. P. M.		Hp/rpm	21,2 / 2.200	
		kW/rpm	15,8 / 2.200	
Front Attachment				
Boom Length		mm	2.000	
Arm Length (Std)		mm	1.100	1.300
Transport Dimension				
Length		mm	4.060	4.085
Height		mm	2.445	2.445
Width		mm	1.570	1.570
Working Range				
(A) Max. digging depth		mm	2.490	2.690
(B) Max. cutting height		mm	4.165	4.280
(C) Max. dumping height		mm	2.775	2.935
(D) Min. swing radius		mm	1.950	1.985
Rear-and swing radius		mm	760	
Performance				
Max. digging force (ISO) Bucket		kgf	2.020*	
* At power boost	Arm	kgf	1.400*	1.260*
Traveling speed		km/h	2,4/4,3	
Swing speed		rpm	9,63	9,63
Hydraulics				
Pump	Type		Tandem, Axial Piston	
Max. flow rate		l/min	2 x 26,4	
Main relief set pressure		kg/cm ²	220	
Track				
Shoe width		mm	300	
Tumbler distance		mm	1.550	
Control				
Lever control type			Hydraulic pilot	Hydraulic pilot
Lever pattern			SAE	SAE
Tank				
Fuel tank		l	30	
Hydraulic tank		l	30	
Ground pressure		kg/cm ²	0,27	

Lifting Capacities



Standard — Boom: 2.000 mm - Arm: 1.100 mm - Shoe: 300 mm - Bucket: 0,08 m³ (CECE 0,07 m³)

Unit : 1.000 kg

A (m) B (m)	2		2,5		3		3,5		Max. Reach		A(m)
3					*0,58	0,43			*0,59	0,42	3,03
2,5					*0,57	0,43			*0,59	0,35	3,39
2			*0,67	0,57	*0,62	0,43	*0,60	0,33	*0,60	0,31	3,63
1,5	*1,17	0,79	*0,85	0,56	*0,71	0,42	*0,64	0,33	*0,62	0,29	3,76
1			*1,04	0,54	*0,81	0,41	*0,69	0,32	*0,64	0,28	3,80
0,5	*1,24	0,74	*1,17	0,53	*0,89	0,40	*0,73	0,32	*0,66	0,28	3,76
o (ground)	*1,67	0,74	*1,22	0,52	*0,92	0,40	*0,74	0,32	*0,69	0,30	3,63
-0,5	*1,66	0,74	*1,19	0,52	*0,90	0,40			*0,72	0,33	3,40
-1	*1,46	0,74	*1,07	0,53	*0,77	0,40			*0,75	0,39	3,04
-1,5	*1,09	0,76							*0,76	0,55	2,46

Standard — Boom: 2.000 mm - Arm: 1.300 mm - Shoe: 300 mm - Bucket: 0,08 m³ (CECE 0,07 m³)

Unit : 1.000 kg

A (m) B (m)	2		2,5		3		3,5		Max. Reach		A(m)
3,5									*0,53	0,53	2,76
3					*0,49	0,47			*0,53	0,41	3,27
2,5					*0,49	0,47	*0,53	0,36	*0,54	0,34	3,61
2					*0,55	0,47	*0,54	0,36	*0,55	0,31	3,82
1,5	*0,98	0,88	*0,75	0,61	*0,65	0,46	*0,59	0,36	*0,57	0,29	3,95
1	*1,42	0,84	*0,96	0,60	*0,76	0,45	*0,65	0,35	*0,59	0,29	3,99
0,5	*1,48	0,81	*1,12	0,58	*0,85	0,44	*0,70	0,35	*0,61	0,29	3,95
o (ground)	*1,65	0,80	*1,20	0,57	*0,90	0,44	*0,73	0,35	*0,64	0,30	3,83
-0,5	*1,71	0,80	*1,20	0,57	*0,91	0,43	*0,71	0,35	*0,67	0,33	3,61
-1	*1,56	0,81	*1,12	0,57	*0,84	0,44			*0,70	0,38	3,28
-1,5	*1,27	0,82	*0,90	0,58					*0,73	0,50	2,78

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.

: Nominal force

: Nominal force at the side or 360°

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