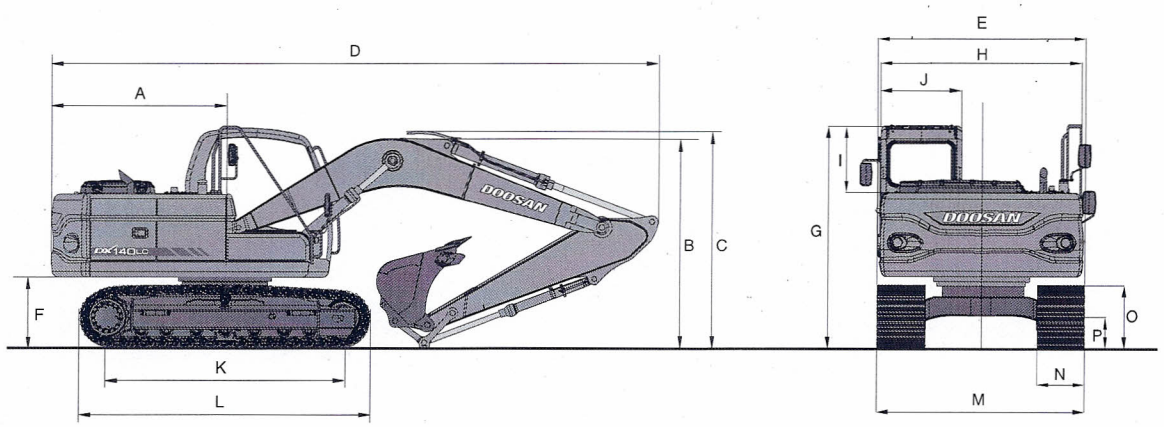
DIMENSIONS

[One-piece Boom]



DIMENSIONS

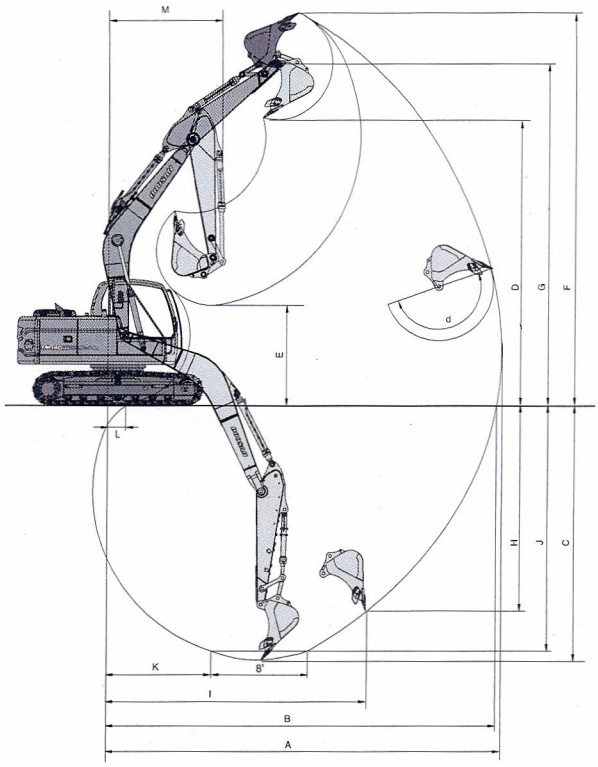
Boom type (One-piece)	4,600mm(15'1")		
Arm type	2,100mm (6'11")	2,500mm (8'2")	3,000mm (9'10")
Bucket type (PCSA)	0.51m3	0.51m3	0.39m3
A. Tail Swing Radius	→	2,200mm (7'3")	←
B. Shipping Height (Boom)	2,515mm (8'3")	2,630mm (8'8")	3,030mm (9'11")
C. Shipping Height (Hose)	2,570mm (8'5")	2,710mm (8'11")	3,090mm (10'2")
D. Shipping Length	7,590mm (25'3")	7,680mm (25'2")	7,640mm (25'1")
E. Shipping Width	→	2,590mm (8'6")	←
F. C/Weight Clearance	→	894mm (2'11")	←
G. Height Over Cab.	→	2,773mm (9'1")	←
H. House Width	→	2,540mm (8'4")	←
I. Cab. Height above House	→	835mm (2'9")	←
J. Cab. Width	→	960mm (3'2")	←
K. Tumbler Distance	→	3,034mm (9'11")	←
L. Track Length	→	3,755mm (12'4")	←
M. Undercarriage Width	→	2,590mm (8'6")	←
N. Shoe Width	→	600mm (2')	←
O. Track Height	→	728mm (2'5")	←
P. Car Body Clearance	→	410mm (1'4")	←

DIGGING FORCE

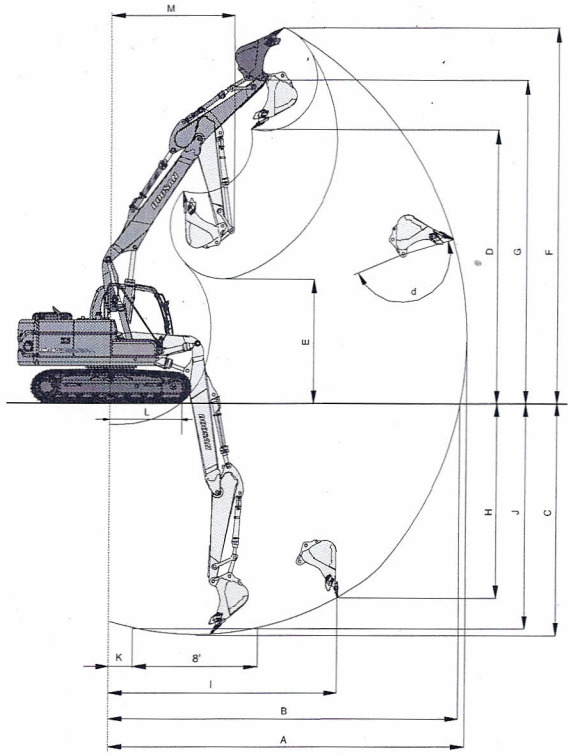
Bucket (PCSA)	0.22m³	0.35m³	0.40m³	0.45m³	0.51m³	0.55m³	0.65m³
Digging force (ISO)	11,100 kgf	11,100 kgf	11,100 kgf	11,100 kgf	11,100 kgf	11,100 kgf	11,100 kgf
	109 kN	109 kN	109 kN	109 kN	109 kN	109 kN	109 kN
	24,471 lbf	24,471 lbf	24,471 lbf	24,471 lbf	24,471 lbf	24,471 lbf	24,471 lbf
Digging force (SAE)	9,600 kgf	9,600 kgf	9,600 kgf	9,600 kgf	9,600 kgf	9,600 kgf	9,600 kgf
	94 kN	94 kN	94 kN	94 kN	94 kN	94 kN	94 kN
	21,164 lbf	21,164 lbf	21,164 lbf	21,164 lbf	21,164 lbf	21,164 lbf	21,164 lbf

At power boost (ISO)

WORKING RANGES



[One-piece Boom]



[Two-piece Boom]

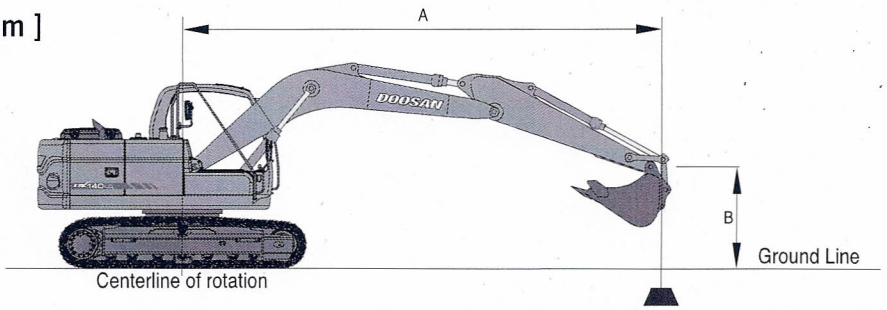
* WORKING RANGE

Boom length	4,600mm(15'1") One-piece Boom			4,988mm(16'4") Two-piece Boom	
Arm type	2,100mm (6'11")	2,500mm (8'2")	3,000mm (9'10")	2,100mm (6'11")	2,500mm (8'2")
Bucket type (pcsa)	0.51m3	0.51m3	0.39m3	0.51m3	0.51m3
A. Max. digging reach	7,845 (25'9")	8,300 (27'3")	8,680 (28'6")	8,380 (27'6")	8,805 (28'11")
B. Max. digging reach at ground level	7,690 (25'3")	8,156 (26'9")	8,540 (28')	8,235 (27')	8,665 (28'5")
C. Max. digging depth	5,250 (17'3")	5,645 (18'6")	6,150 (20'2")	5,440 (17'10")	5,850 (19'2")
D. Max. loading height	5,875 (19'3")	6,300 (20'8")	6,415 (21')	6,420 (21'1")	6,810 (22'4")
E. Min. loading height	2,570 (8'5")	2,170 (7'1")	1,700 (5'7")	2,925 (9'7")	2,935 (9'8")
F. Max. digging height	8,195 (26'11")	8,675 (28'6")	8,745 (28'8")	8,820 (28'11")	9,235 (30'4")
G. Max. bucket pin height	7,110 (23'4")	7,535 (24'9")	7,645 (25'1")	7,650 (25'1")	8,040 (26'5")
H. Max. vertical wall depth	3,810 (12'6")	4,560 (15')	4,830 (15'10")	4,815 (15'10")	5,415 (17'9")
I. Max. radius vertical	5,690 (18'8")	5,555 (18'3")	5,860 (19'3")	5,365 (17'7")	5,270 (17'3")
J. Max. digging depth(8'level)	4,950 (16'3")	5,420 (17'9")	5,920 (19'5")	5,530 (18'2")	5,745 (18'10")
k. Min. radius 8' line	1,850 (6'1")	1,960 (6'5")	1,855 (6'1")	795 (2'7")	800 (2'7")
L. Min. digging reach	1,005 (3'4")	265 (10")	-305 (-1")	2000 (6'7")	1,615 (5'4")
M. Min. swing radius	2,345 (7'8")	2,375 (7'10")	2,585 (8'6")	2,925 (9'7")	2,935 (9'9")
d. Bucket angle (deg)	173°	173°	173°	173°	173°

LIFTING CAPACITY

DX140LC

[One-piece Boom]



Boom : 4,600mm(15'1") Arm : 2,500mm(8'2") Bucket : SAE 0.51m³(0.67yd³) Shoe : 600mm(2')

Metric

Unit : 1,000kg

A(m) / B(m)	2		3		4		5		6		Max. Reach		
													A(m)
7					*3.73	*3.73					*2.88	*2.88	4.24
6					*3.39	*3.39	*3.59	2.92			*2.45	*2.45	5.32
5					*3.61	*3.61	*3.72	2.94	*2.57	2.11	*2.25	2.08	6.04
4			*4.25	*4.25	*4.31	4.22	*4.05	2.92	3.42	2.13	*2.17	1.81	6.53
3					*5.38	4.11	*4.61	2.87	3.40	2.11	*2.16	1.66	6.83
2					*6.57	3.99	4.55	2.80	3.37	2.08	*2.20	1.59	6.98
1					6.52	3.88	4.48	2.75	3.33	2.05	*2.29	1.58	6.97
0 (Ground)					6.45	3.82	4.44	2.70	3.31	2.03	*2.45	1.64	6.82
-1			*6.07	6.04	6.42	3.79	4.41	2.68	3.30	2.02	*2.71	1.77	6.51
-2	*5.42	*5.42	*9.89	6.08	6.43	3.80	4.42	2.69	3.31	2.03	*3.13	2.03	6.01
-3	*9.35	*9.35	*9.47	6.15	6.47	3.84	4.46	2.72			4.15	2.54	5.24
-4			*7.27	6.27	*5.01	3.94					*4.55	3.74	4.14

Feet

Unit : 1,000lb

A(ft) / B(ft)	10'		15'		20'		Max. Reach		
									A(ft)
25							*7.75	*7.75	10.61
20			*8.03	7.52			*5.46	*5.46	17.17
15			*8.44	7.52	*7.07	4.55	*4.87	4.29	20.58
10			*10.67	7.32	7.30	4.53	*4.75	3.67	22.38
5			11.56	7.04	7.20	4.44	*4.92	3.48	22.94
0 (Ground)			11.33	6.84	7.11	4.35	*5.41	3.61	22.38
-5	*17.99	13.00	11.27	6.79	7.09	4.34	7.01	4.29	20.14
-10	*20.42	13.19	11.37	6.88			9.23	5.66	17.10

Boom : 4,600mm(15'1") Arm : 3,000mm(9'10") Bucket : SAE 0.51m³(0.67yd³) Shoe : 600mm(2')

Metric

Unit : 1,000kg

A(m) / B(m)	2		3		4		5		6		7		Max. Reach		
															A(m)
7													*2.39	*2.39	4.87
6							*3.15	2.98					*2.14	*2.14	5.83
5							*3.20	2.98	*3.11	2.16			*2.04	1.86	6.49
4					*3.63	*3.63	*3.58	2.95	3.45	2.16			*2.00	1.64	6.95
3			*5.78	*5.78	*4.71	4.17	*4.17	2.89	3.42	2.13	2.63	1.61	*2.02	1.51	7.23
2					*5.97	4.03	4.57	2.82	3.38	2.09	2.61	1.60	*2.09	1.45	7.37
1					6.55	3.90	4.49	2.75	3.34	2.05	2.59	1.58	*2.21	1.44	7.37
0 (Ground)			*5.04	*5.04	6.45	3.81	4.43	2.70	3.30	2.02	2.57	1.56	*2.39	1.48	7.22
-1			*6.59	6.00	6.40	3.77	4.40	2.66	3.28	2.00			2.61	1.58	6.93
-2	*5.25	*5.25	*9.32	6.01	6.39	3.76	4.39	2.66	3.28	2.00			2.92	1.78	6.47
-3	*8.16	*8.16	*10.17	6.06	6.42	3.79	4.41	2.68					3.50	2.14	5.79
-4	*12.02	*12.02	*8.53	6.16	*6.33	3.85							*4.67	2.91	4.81

Feet

Unit : 1,000lb

A(ft) / B(ft)	10'		15'		20'		Max. Reach		
									A(ft)
25							*5.95	*5.95	13.22
20			*6.56	*6.56			*4.76	*4.76	18.87
15			*7.23	*7.23	*7.22	4.64	*4.44	3.85	22.01
10	*12.34	*12.34	*9.53	7.39	7.35	4.57	*4.45	3.34	23.69
5			11.61	7.08	7.22	4.45	*4.71	3.17	24.23
0 (Ground)	*11.82	*11.82	11.33	6.83	7.10	4.34	*5.27	3.26	23.70
-5	*17.98	12.88	11.21	6.73	7.05	4.29	6.06	3.69	22.01
-10	*21.95	13.02	11.26	6.77			7.80	4.78	18.87
-15	*15.09	13.41					*10.54	8.79	13.00

1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

: Rating Over Front

: Rating Over Side or 360 degree