

TECHNICAL SPECIFICATIONS

DX140LC

* ENGINE

■ Model

Doosan DLo6
"Common Rail" engine with direct fuel injection and electronic control, 4 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for phase III.

■ Number of cylinders

6

■ Nominal flywheel power

71 kW(95HP) @ 1,850 rpm (SAE J1349, net)

■ Max torque

44.5 kgf.m(436 Nm) at 1,400 rpm

■ Piston displacement

5,890 cc (359 cu.in)

■ Bore & stroke

∅100 mm x 125 mm (3.9" X 4.9")

■ Starter

24 V / 4.5 kW

■ Batteries

2 x 12 V / 100 Ah

■ Air cleaner

Double element with auto dust evacuation.

* HYDRAULIC SYSTEM

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

The new e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- The hydraulic system enables independent or combined operations.
- Two travel speeds offer either increased torque or high speed tracking.
- Cross-sensing pump system for fuel savings.
- Auto deceleration system.
- Two operating modes, two power modes.
- Button control of flow in auxiliary equipment circuits.
- Computer-aided pump power control.

■ Main pumps

2 variable displacement axial piston pumps
max flow: 2 x 114 ℓ /min (2 X 30.1 US gpm, 2 X 25.1 Imp gpm)

■ Pilot pump

Gear pump - max flow: 27.75 ℓ /min (7.33 US gpm, 6.1 Imp gpm)

■ Maximum system pressure

Boom/arm/Bucket:

Normal mode: 330 kgf/cm²(324 bar)

Power mode: 350 kgf/cm²(343 bar)

Travel: 330 kgf/cm²(324 bar)

Swing: 245 kgf/cm²(240 bar)

* WEIGHT

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

Shoe width	Operating weight	Ground pressure (kgf/cm ²)
500 mm (1'8")	13,800 kg (30,423 lb)	0.43 kgf/cm ² (42 kpa, 6.11 psi)
600 mm (2")	14,000 kg (30,864 lb)	0.36 kgf/cm ² (35 kpa, 5.12 psi)
700 mm (2'4")	14,200 kg (31,305 lb)	0.30 kgf/cm ² (29 kpa, 4.26 psi)

■ Weight with Dozer Blade

STD. - Boom 4,600 mm (15'1") ■ Arm 2,500 mm (8'2") ■ Bucket SAE 0.51 m³ (0.67 yd³)

Shoe width	Dozer Blade weight	Operating weight
STD. + 500 mm (1'8")	2,500 mm : 590 kg (1,300 lb)	14,770 kg (32,562 lb)
STD. + 600 mm (2")	2,600 mm : 602 kg (1,327 lb)	15,007 kg (33,084 lb)
STD. + 700 mm (2'4")	2,700 mm : 615 kg (1,356 lb)	15,245 kg (33,609 lb)

※ When the dozer blade is installed, additional weight may be occurred by track frame, dozer cylinder, dozer unit, pin assembly, track shoe.

* HYDRAULIC CYLINDERS

The piston rods and cylinder bodies are made of high-strength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

Cylinders	Quantity	Bore x Rod diameter x stroke
Boom	2	110 X 75 X 1,085mm (4.3" X 3.0" X 3'7")
Arm	1	115 X 80 X 1,108mm (4.5" X 3.1" X 3'8")
Bucket	1	100 X 70 X 900mm (3.9" X 2.8" X 2'11")

* UNDERCARRIAGE

Chassis are of very robust construction, all welded structures are designed to limit stresses.

High-quality material used for durability.

Lateral chassis welded and rigidly attached to the undercarriage. Track rollers lubricated for life, idlers and sprockets fitted with floating seals.

Tracks shoes made of induction-hardened alloy with triple grouser.

Heat-treated connecting pins.

Hydraulic track adjuster with shock-absorbing tension mechanism.

■ Number of rollers and track shoes per side

Upper rollers: 1

Lower rollers: 7

Shoes: 46

Total length of track: 3,755mm (12'4")

* ENVIRONMENT

Noise levels comply with environmental regulations (dynamic values).

■ Sound level guarantee

101 dB(A) (2000/14/EC)

■ Cab sound level

71 dB(A) (ISO 6396)

* SWING MECHANISM

- An axial piston motor with two-stage planetary reduction gear is used for the swing.
- Increased swing torque reduces swing time.
- Internal induction-hardened gear.
- Internal gear and pinion immersed in lubricant bath.
- The swing brake for parking is activated by spring and released hydraulically.

Swing speed: 0 to 10.7 rpm

* DRIVE

Each track is driven by an independent axial piston motor through a planetary reduction gearbox.

Two levers with control pedals guarantee smooth travel with counter-rotation on demand.

■ Travel speed (fast/slow)

4.7/3.0km/h (2.9/1.9 mph)

■ Maximum traction force

7,300 / 11,800 kgf (16,094 / 26,014 lbf)

■ Maximum grade

35° / 70%

* REFILL CAPACITIES

■ Fuel tank

267 ℓ (70.5 US gal, 58.7 lmp gal)

■ Cooling system (Radiator capacity)

20 ℓ (5.3 US gal, 4.4 lmp gal)

■ Engine oil

25 ℓ (6.6 US gal, 5.5 lmp gal)

■ Swing drive

3.8 ℓ (1.0 US gal, 0.84 lmp gal)

■ Final drive (each)

3 ℓ (0.8 US gal, 0.66 lmp gal)

■ Hydraulic system

148 ℓ (39 US gal, 32.6 lmp gal)

■ Hydraulic tank

99 ℓ (26 US gal, 21.7 lmp gal)

* BUCKET

Capacity		Width		Weight	Recommendation				
					4,600mm (15'1") One-piece Boom			4,988 mm (16'4") Two-piece Boom	
PCSA, heaped	CECE heaped	Without side cutters	With side cutters		2,100mm (6'11")Arm	2,500mm (8'2")Arm	3,000mm (9'10")Arm	2,100 mm (6'11")Arm	2,500 mm (8'2")Arm
0.24m³ (0.31 yd³)	0.22m³	468.4mm (1'6")	534.0mm (1'9")	294 kg (648 lb)	A	A	A	A	A
0.39m³ (0.51 yd³)	0.35m³	736.4mm (2'5")	819.8mm (2'8")	362 kg (798 lb)	A	A	B	A	B
0.45m³ (0.59 yd³)	0.40m³	823.8mm (2'8")	911.0mm (3')	402 kg (886 lb)	A	B	B	B	B
0.51m³ (0.67 yd³)	0.45m³	907.4mm (3')	991.0mm (3'3")	418 kg (922 lb)	A	B	C	B	C
0.59m³ (0.77 yd³)	0.51m³	997.4mm (3'3")	1,081.0mm (3'7")	439 kg (968 lb)	B	C	-	C	-
0.64m³ (0.84 yd³)	0.55m³	1,083.4mm (3'7")	1,167.0mm (3'10")	465 kg (1,025 lb)	C	-	-	C	-

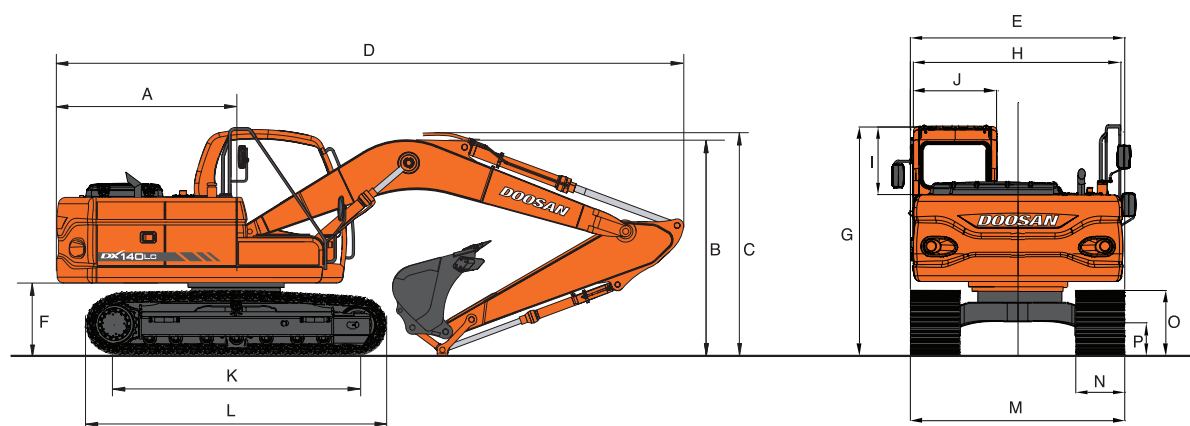
A. Suitable for materials with density of 2,000 kg/m³ (3,370 lb/CU . yd) or less

B. Suitable for materials with density of 1,600 kg/m³ (2,700 lb/CU . yd) or less

C. Suitable for materials with density of 1,100 kg/m³ (1,850 lb/CU . yd) or less

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)	0.51m ³	0.51m ³	0.39m ³
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	7,690mm (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")	←

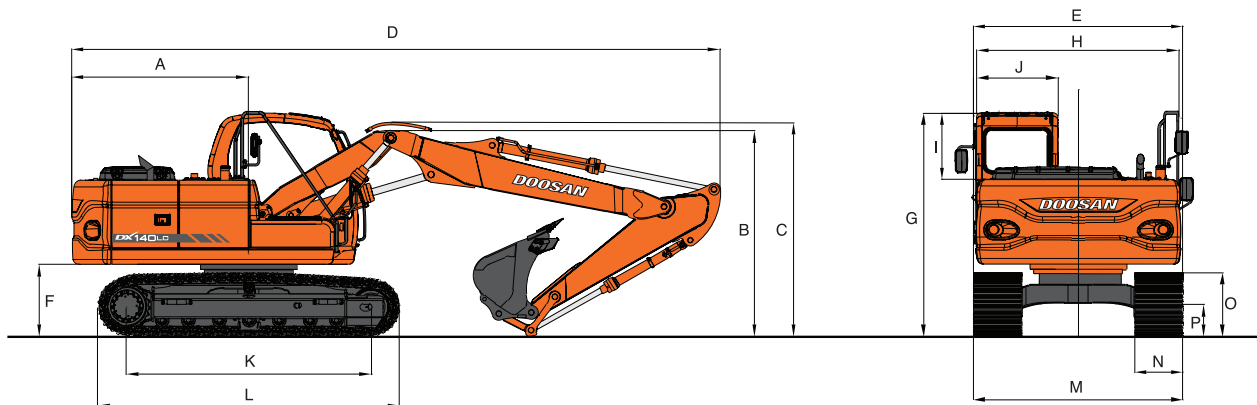
* DIGGING FORCE

Bucket (PCSA)	0.22m ³	0.35m ³	0.40m ³	0.45m ³	0.51m ³	0.55m ³	0.65m ³
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)

DX140LC

[Two-piece Boom]



* DIMENSIONS

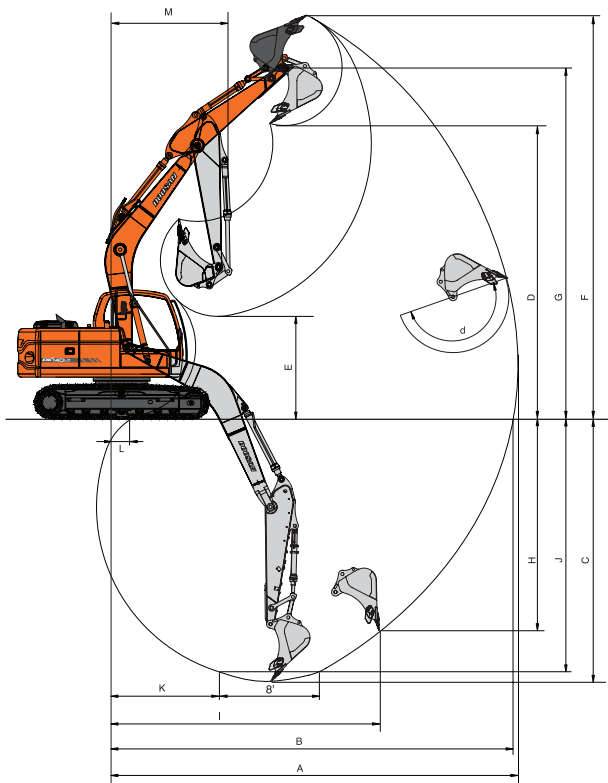
Boom type (Two-piece)	4,988 mm (16'4")	
Arm type	2,100 mm (6'11")	2,500 mm (8'2")
Bucket type (PCSA)	0.51m ₃	0.51m ₃
A. Tail Swing Radius	2,200mm (7'3")	←
B. Shipping Height (Boom)	2,555mm (8'6")	2,680mm (8'10")
C. Shipping Height (Hose)	2,655mm (8'9")	2,770mm (9'1")
D. Shipping Length	8,060mm (26'5")	8,015mm (26'4")
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. rack Height	728mm (2'5")	←
P. Car Body Clearance	410mm (1'4")	←

* DIGGING FORCE

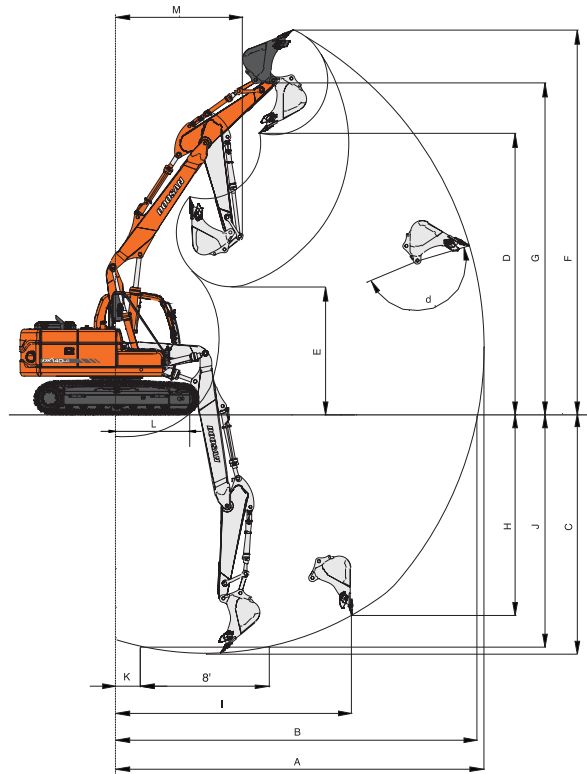
Arm	2,100mm	2,500mm	3,000mm
Digging force (ISO)	7,700 kgf	6,500 kgf	6,000 kgf
	75.6 kN	63.8 kN	58.9 kN
	16,975 lbf	14,330 lbf	13,228 lbf
Digging force (SAE)	7,300 kgf	6,300 kgf	5,800 kgf
	71.7 kN	61.8 kN	56.9 kN
	16,094 lbf	13,889 lbf	12,787 lbf

At power boost (ISO)

WORKING RANGES



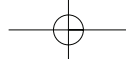
[One-piece Boom]



[Two-piece Boom]

* WORKING RANGE

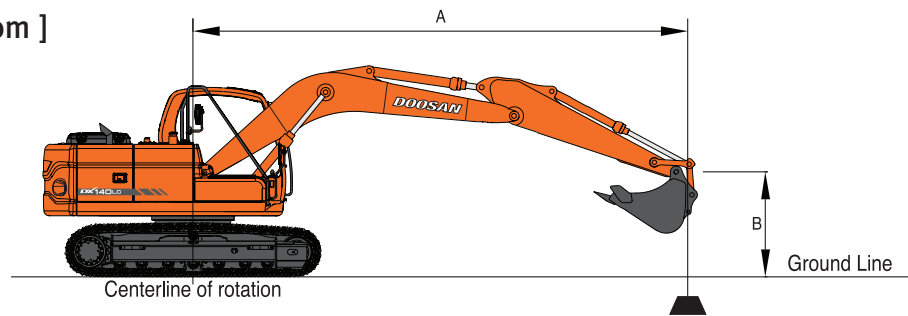
Boom length	4,600mm(15'1") One-piece Boom			4,988mm(16'4") Two-piece Boom	
Arm type	2,100mm (6'11")	2,500mm (8'2")	3,000mm (9'10")	2,100mm (6'11")	2,500mm (8'2")
Bucket type (pcsa)	0.51m ³	0.51m ³	0.39m ³	0.51m ³	0.51m ³
A. Max. digging reach	7,845 (25'9")	8,300 (27'3")	8,680 (28'6")	8,380 (27'6")	8,805 (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)	2		3		4		5		6		Max. Reach		A(m)
B(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
O (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)	10'		15'		20'		Max. Reach		A(ft)
B(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
O (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)	2		3		4		5		6		7		Max. Reach		A(m)
B(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
O (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)	10'		15'		20'		Max. Reach		A(ft)
B(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
O (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

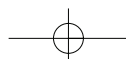
1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.



: Rating Over Front



: Rating Over Side or 360 degree



LIFTING CAPACITY

Boom : 4,600mm(15'1") Arm : 2,500mm(8'2") Bucket : SAE 0.51m³(0.67yd³) Shoe : 700mm(2'4")

Metric

Unit : 1,000kg

A(m)	2		3		4		5		6		Max. Reach		A(m)
B(m)													
7					*3.73	*3.73					*2.88	*2.88	4.24
6					*3.39	*3.39	*3.59	2.96			*2.45	*2.45	5.32
5					*3.61	*3.61	*3.72	2.99	*2.57	2.15	*2.25	2.12	6.04
4			*4.25	*4.25	*4.31	4.28	*4.05	2.96	3.48	2.17	*2.17	1.84	6.53
3					*5.38	4.18	*4.61	2.91	3.46	2.15	*2.16	1.69	6.83
2					*6.57	4.05	4.63	2.85	3.43	2.12	*2.20	1.62	6.98
1					6.63	3.94	4.56	2.79	3.39	2.09	*2.29	1.61	6.97
O (Ground)					6.56	3.88	4.51	2.75	3.37	2.06	*2.45	1.67	6.82
-1			*6.07	*6.07	6.53	3.85	4.49	2.73	3.36	2.05	*2.71	1.81	6.51
-2	*5.42	*5.42	*9.89	6.17	6.54	3.86	4.49	2.73	*3.37	2.07	*3.13	2.06	6.01
-3	*9.35	*9.35	*9.47	6.24	6.58	3.90	4.54	2.77			4.22	2.59	5.24
-4			*7.27	6.36	*5.01	4.00					*4.55	3.80	4.14

Feet

Unit : 1,000lb

A(ft)	10'		15'		20'		Max. Reach		A(ft)
B(ft)									
25							*7.75	*7.75	10.61
20			*8.03	7.63			*5.46	*5.46	17.17
15			*8.44	7.63	*7.07	4.63	*4.87	4.37	20.58
10			*10.67	7.43	7.43	4.61	*4.75	3.74	22.38
5			11.75	7.15	7.32	4.51	*4.92	3.55	22.94
O (Ground)			11.53	6.96	7.24	4.43	*5.41	3.68	22.38
-5	*17.99	13.20	11.46	6.90	7.22	4.42	7.14	4.37	20.14
-10	*20.42	13.40	11.57	6.99			9.39	5.75	17.10

Boom : 4,600mm(15'1") Arm : 3,000mm(9'10") Bucket : SAE 0.51m³(0.67yd³) Shoe : 700mm(2'4")

Metric

Unit : 1,000kg

A(m)	2		3		4		5		6		7		Max. Reach		A(m)
B(m)															
7													*2.39	*2.39	4.87
6							*3.15	3.02					*2.14	*2.14	5.83
5							*3.20	3.03	*3.11	2.20			*2.04	1.89	6.49
4					*3.63	*3.63	*3.58	3.00	3.51	2.19			*2.00	1.67	6.95
3			*5.78	*5.78	*4.71	4.23	*4.17	2.94	3.48	2.17	2.68	1.64	*2.02	1.54	7.23
2					*5.97	4.09	4.65	2.87	3.44	2.13	2.66	1.63	*2.09	1.48	7.37
1					6.66	3.96	4.57	2.80	3.40	2.09	2.64	1.61	*2.21	1.47	7.37
O (Ground)			*5.04	*5.04	6.56	3.87	4.51	2.74	3.36	2.06	2.62	1.59	*2.39	1.51	7.22
-1			*6.59	6.09	6.50	3.83	4.47	2.71	3.34	2.04			2.66	1.62	6.93
-2	*5.25	*5.25	*9.32	6.11	6.49	3.82	4.46	2.70	3.34	2.04			2.97	1.81	6.47
-3	*8.16	*8.16	*10.17	6.16	6.52	3.85	4.49	2.72					3.56	2.18	5.79
-4	*12.02	*12.02	*8.53	6.26	*6.33	3.91							*4.67	2.96	4.81

Feet

Unit : 1,000lb

A(ft)	10'		15'		20'		Max. Reach		A(ft)
B(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	4.71	*4.44	3.92	22.01
10	*12.34	*12.34	*9.53	7.51	7.48	4.65	*4.45	3.40	23.69
5			11.80	7.19	7.35	4.53	*4.71	3.23	24.23
O (Ground)	*11.82	*11.82	11.52	6.95	7.23	4.42	*5.27	3.33	23.70
-5	*17.98	13.08	11.40	6.84	7.18	4.37	6.18	3.76	22.01
-10	*21.95	13.22	11.45	6.89			7.95	4.86	18.87
-15	*15.09	13.61					*10.54	8.93	13.00

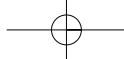
1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.



: Rating Over Front



: Rating Over Side or 360 degree



Boom : 4,600mm(15'1") Arm : 2,500mm(8'2") Bucket : SAE 0.51m³(0.67yd³) Shoe : 600mm(2') Dozer blade : 2,590mm(8'6")

Metric

Unit : 1,000kg

A(m)	2		3		4		5		6		Max. Reach		A(m)
B(m)													
7					*3.73	*3.73					*2.88	*2.88	4.24
6					*3.39	*3.39					*2.45	*2.45	5.32
5					*3.61	*3.61	*3.72	3.23	*2.57	2.35	*2.25	*2.25	6.04
4			*4.25	*4.25	*4.31	*4.31	*4.05	3.21	3.39	2.36	*2.17	2.02	6.53
3					*5.38	4.51	4.58	3.16	3.37	2.34	*2.16	1.86	6.83
2					*6.57	4.38	4.51	3.10	3.33	2.31	*2.20	1.79	6.98
1					6.46	4.27	4.44	3.04	3.30	2.28	*2.29	1.78	6.97
O (Ground)					6.39	4.21	4.39	3.00	3.27	2.26	*2.45	1.84	6.82
-1			*6.07	*6.07	6.36	4.18	4.37	2.98	3.26	2.25	*2.71	1.98	6.51
-2	*5.42	*5.42	*9.89	6.67	6.37	4.19	4.37	2.98	3.28	2.27	*3.13	2.26	6.01
-3	*9.35	*9.35	*9.47	6.74	6.41	4.23	4.42	3.01			4.11	2.82	5.24
-4			*7.27	6.86	*5.01	4.33					*4.55	4.11	4.14

Feet

Unit : 1,000lb

A(ft)	10'		15'		20'		Max. Reach		A(ft)
B(ft)									
25							*7.75	*7.75	10.61
20			*8.03	*8.03			*5.46	*5.46	17.17
15			*8.44	8.24	*7.07	5.05	*4.87	4.78	20.58
10			*10.67	8.04	7.23	5.03	*4.75	4.11	22.38
5			11.45	7.76	7.12	4.94	*4.92	3.91	22.94
O (Ground)			11.22	7.57	7.03	4.86	*5.41	4.05	22.38
-5	*17.99	14.28	11.16	7.51	7.02	4.85	6.94	4.80	20.14
-10	*20.42	14.48	11.26	7.60			9.14	6.27	17.10

Boom : 4,600mm(15'1") Arm : 3,000mm(9'10") Bucket : SAE 0.51m³(0.67yd³) Shoe : 600mm(2') Dozer blade : 2,590mm(8'6")

Metric

Unit : 1,000kg

A(m)	2		3		4		5		6		7		Max. Reach		A(m)
B(m)															
7													*2.39	*2.39	4.87
6							*3.15	*3.15					*2.14	*2.14	5.83
5							*3.20	*3.20	*3.11	2.40			*2.04	*2.04	6.49
4					*3.63	*3.63	*3.58	3.24	3.42	2.39			*2.00	1.83	6.95
3			*5.78	*5.78	*4.71	4.56	*4.17	3.19	3.39	2.36	2.60	1.81	*2.02	1.70	7.23
2					*5.97	4.42	4.53	3.11	3.35	2.33	2.58	1.79	*2.09	1.63	7.37
1					6.49	4.29	4.45	3.04	3.30	2.29	2.56	1.77	*2.21	1.62	7.37
O (Ground)			*5.04	*5.04	6.39	4.21	4.39	2.99	3.27	2.25	2.55	1.76	*2.39	1.67	7.22
-1			*6.59	*6.59	6.34	4.16	4.35	2.96	3.25	2.23			2.58	1.78	6.93
-2	*5.25	*5.25	*9.32	6.61	6.33	4.15	4.34	2.95	3.25	2.23			2.89	1.99	6.47
-3	*8.16	*8.16	*10.17	6.66	6.36	4.18	4.37	2.97					3.47	2.39	5.79
-4	*12.02	*12.02	*8.53	6.76	*6.33	4.24							*4.67	3.21	4.81

Feet

Unit : 1,000lb

A(ft)	10'		15'		20'		Max. Reach		A(ft)
B(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	5.14	*4.44	4.30	22.01
10	*12.34	*12.34	*9.53	8.12	7.28	5.08	*4.45	3.75	23.69
5			11.50	7.81	7.14	4.95	*4.71	3.57	24.23
O (Ground)	*11.82	*11.82	11.22	7.56	7.03	4.85	*5.27	3.68	23.70
-5	*17.98	14.17	11.10	7.46	6.97	4.80	6.00	4.14	22.01
-10	*21.95	14.30	11.15	7.50			7.73	5.32	18.87
-15	*15.09	14.70					*10.54	9.67	13.00

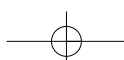
1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.



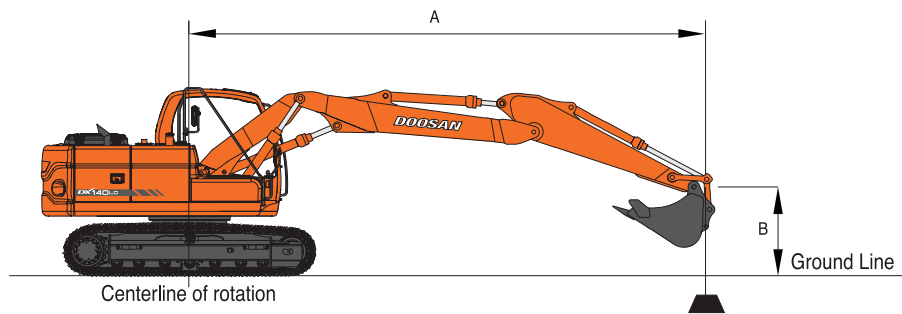
: Rating Over Front



: Rating Over Side or 360 degree



[Two-piece Boom]



Boom : 4,988mm(16'4") Arm : 2,500mm(9'10") Bucket : SAE 0.51m³(0.67yd³) Shoe : 700mm(2'4")

Metric

Unit : 1,000kg

A(m)	3		4		5		6		7		Max. Reach		A(m)
B(m)													
7											*3.24	3.20	4.75
6					*2.79	*2.79					*3.03	2.31	5.73
5			*2.74	*2.74	*2.89	*2.89	*3.11	2.17			*2.84	1.89	6.41
4	*4.04	*4.04	*3.54	*3.54	*3.31	2.96	*3.25	2.16			2.74	1.65	6.87
3			*4.69	4.13	*3.94	2.88	3.46	2.12	2.65	1.59	2.54	1.52	7.16
2			*5.94	3.96	4.61	2.79	3.41	2.08	2.63	1.58	2.44	1.45	7.30
1			6.55	3.83	4.52	2.72	3.36	2.03	2.61	1.56	2.43	1.44	7.29
0 (Ground)			6.46	3.75	4.46	2.66	3.33	2.00	2.59	1.54	2.51	1.49	7.15
-1	*3.46	*3.46	6.43	3.73	4.43	2.64	3.31	1.98			2.68	1.60	6.85
-2	*6.65	5.99	6.45	3.74	4.43	2.64	3.32	1.99			3.02	1.81	6.38
-3			6.50	3.78	4.47	2.67					4.04	2.43	5.32

Feet

Unit : 1,000lb

A(ft)	10'		15'		20'		Max. Reach		A(ft)
B(ft)									
25							*7.21	*7.21	12.76
20			*5.77	*5.77			*6.75	5.22	18.55
15			*6.67	*6.67	*6.95	4.64	*6.15	3.91	21.74
10			*9.15	7.36	7.43	4.55	5.61	3.36	23.45
5			11.65	6.98	7.28	4.41	5.35	3.18	23.99
0 (Ground)			11.37	6.74	7.15	4.29	5.53	3.28	23.45
-5	*11.46	*11.46	11.30	6.67	7.11	4.26	6.25	3.74	21.75
-10			11.41	6.77			9.28	5.57	17.04

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

STANDARD AND OPTIONAL EQUIPMENT

* STANDARD EQUIPMENT

▪ Hydraulic system

- Boom and arm flow regeneration
- Boom and arm holding valves
- Swing anti-rebound valves
- Spare ports(valve)
- One-touch power boost

▪ Cabin & Interior

- Viscous cab mounts
- All weather sound suppressed type cab
- Air conditioner
- Adjustable suspension seat with head rest and adjustable arm rest
- Pull-up type front window and removable lower front window
- Room light
- Intermittent windshield wiper
- Cigarette lighter and ashtray
- Cup holder
- Hot & Cool box
- LCD color monitor panel
- Engine speed(RPM) control dial
- AM/FM radio
- Remote radio ON/OFF switch
- 12V spare powers socket
- Serial communication port for laptop PC interface
- Joystick lever with 3 switches
- Sunvisor
- Sun roof
- Wiper

▪ Safety

- Large handrails and step
- Punched metal anti-slip plates
- Seat belt
- Hydraulic safety lock lever
- Safety glass
- Hammer for emergency escape
- Right and left rearview mirrors
- Travel alarm
- Emergency engine stop

▪ Undercarriage

- Hydraulic track adjuster
- Track guards
- Greased and sealed track link

▪ Others

- Double element air cleaner
- Fuel pre-filter
- Dust screen for radiator/oil cooler
- Engine overheat prevention system
- Engine restart prevention system
- Self-diagnostic system
- Alternator(24V, 60 amps)
- Electric horn
- Halogen working lights(frame mounted 2, boom mounted 2)

* OPTIONAL EQUIPMENT

Some of these optional equipment may be standard in some markets. Some of these optional equipment cannot be available on some markets. You must check with the local DOOSAN dealer to know about the availability or to release the adaptation following the needs of the applications.

▪ Safety

- Boom and arm hose rupture protection valve
- Overload warning device
- Cabin Top/Front guard(ISO 10262, FOGS standard)
- Travel & swing alarm
- Rotation beacon
- Lamp on counter weight

▪ Cabin & Interior

- Air suspension seat
- MP3/CD player or cassette player
- Rain shield
- 2 front lamps
- 4 front + 2 rear lamps

▪ Undercarriage

- 500mm/600mm/700mm shoe
- 2,490mm/2,590mm/2,690mm dozer blade

▪ Others

- Piping for crusher
- Piping for quick clamp
- Breaker filter
- Lower wiper
- Fuel heater
- Fuel filler pump