DX340LCA

Engine Power : SAE J1349, net 185kW(247HP)@1,800rpm
Operational Weight : 34,400kg(75,839 lb) - STD.
Bucket capacity(SAE) : 1.25 ~ 2.35m³

DX340LCA

Hydraulic Excavator
DX340LCA

A New Model Doosan DX340 LCA Hydraulic Excavator :

The new DX340LCA hydraulic excavator has all the advantages of the previous model, and now offers additional added value to the operator. The new DX340LCA was developed with the concept of "providing optimum value to the end user." In concrete terms, this translates into : Improved ergonomics, increases comfort and excellent all round visibility ensuring a safe and pleasant working environment. Improved reliability is achieved through the use of high performance materials combined with new methods of structural stress analysis, and leads to increased component life expectancy, thus reducing running costs. Reduced maintenance increases the availability and reduces operating costs of the excavator.

DX340LCA is designed for tough and heavy work environments where need massive force.
The performance of the DX340LCA has a direct effect on its productivity.

Excavator control
New e-EPOS system (Electronic Power Optimizing System)

The brains of the hydraulic excavator, the e-EPOS, have been improved, through a CAN(Controller Area Network) communication link, enabling a continuous exchange of information between the engine and the hydraulic system.

These units are now perfectly synchronised.
The advantages of the new e-EPOS impacts at several levels, Ease of operation and user-friendliness:

· The availability of a power mode and standard mode guarantee maximum efficiency under all conditions.
· The automatic deceleration mode enables fuel saving.
· Regulation and precise control of the flow rate required by the equipment are available as standard.
· A self-diagnosis function enables technical problems to be resolved quickly and efficiently.
· An operational memory provides a graphic display of the status of the machine.
· Maintenance and oil change intervals can be displayed.

DOOSAN DX340LCA ENGINE

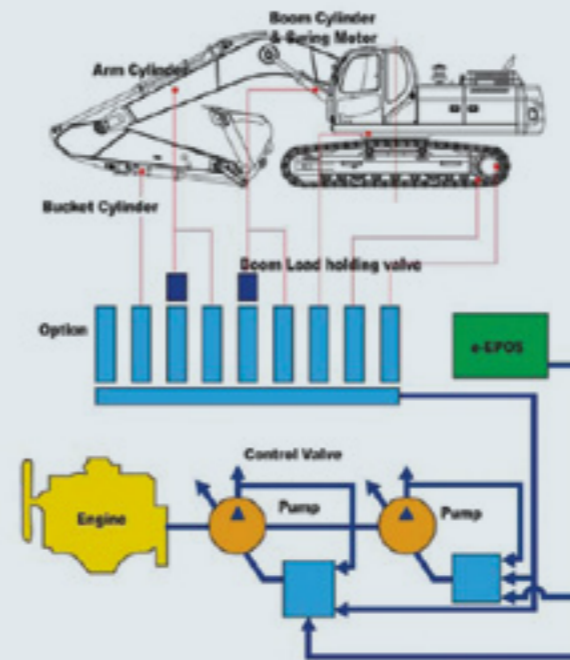| Maker & Model	DOOSAN DE12TIS
Performance Standard	DIN 6271, SAE J1349
Power (Max , Rated)	195 kW (265 PS) @ 1800 rpm (DIN 6271)
	185 kW (247 HP) @ 1800 rpm (SAE J1349)
Max. Torque	114 kg.m/ 1400 rpm
Fuel Consumption (Max , Rated)	155 g/ps.h @ RATED SPEED (TIER-II)

Hydraulic Pump

The Main pump has a capacity of 2x247ℓ/min reducing cycle time while a high capacity gear pump improves pilot line efficiency.

Swing Drive

Shocks during rotation are minimized, while increased torque is available to ensure rapid cycles.
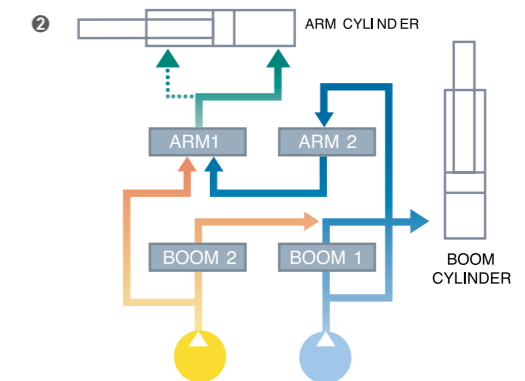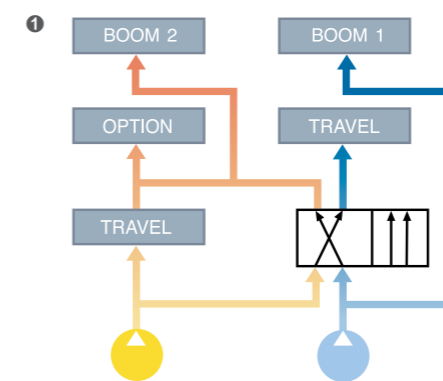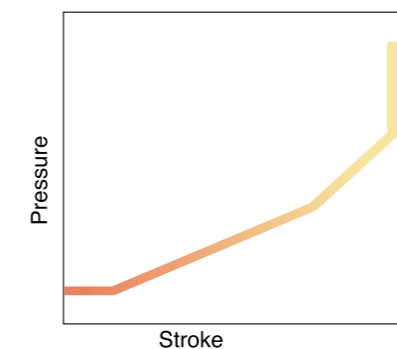
❶ BOOM 2 BOOM 1 OPTION TRAVEL TRAVEL
❷ ARM CYLINDER ARM1 ARM 2 BOOM 2 BOOM 1 BOOM CYLINDER
❸ 2-Stage — Pressure / Stroke

❶ Advanced hydraulic circuit seperates the oil flow for travel and boom function to allow precise and safe operation when handling loads during travel.

❷ The circuits for the boom, arm, and bucket have been improved to assure smooth and confident control during combination.

❸ New technologically advanced control valve and joystick valves have been installed to allow speedy, smooth and responsive control.

Comfort

The work rate of the hydraulic excavator is directly linked to the performace of its operator. DOOSAN designed the DX 340 LCA by putting the operator at the center of the development goals. The result is significant ergonomic value that improves the efficiency and safety of the operator.

More space, better visibility, air conditioning, a very comfortable seat. These are all elements that ensure the operator can work for hours and hours in excellent conditions.

The high performance air conditioning provides an air flow which is adjusted and electronically controlled for the conditions. Five operating modes enable even the most demanding operator to be satisfied.
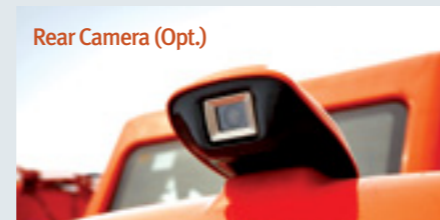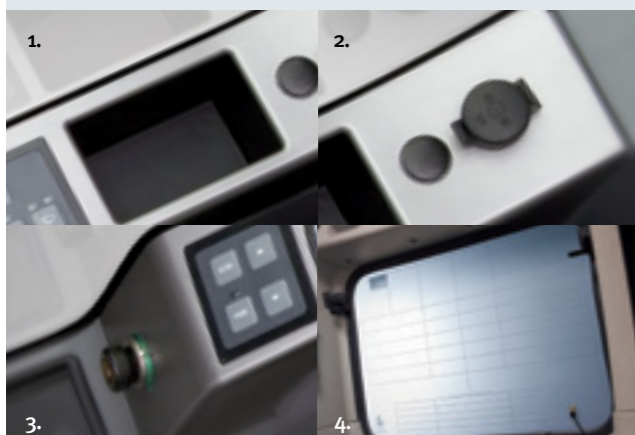
1. Cellular phone box
2. 12V Power socket
3. Cigarette lighter
4. Glass antenna

1.
2.
3.
4.

Rear Camera (Opt.)

1. Warning lights
2. Control panel
3. Operation modes

Control lever

Very precise control of the equipment increases versatility, safety and facilitates tricky operations requiring great precision. Leveling operations and particularly the movement of suspended loads are made easier and safer. The control levers have additional electrical buttons for controlling other additional equipment (for example, grabs, crushers, grippers, etc.)

Choice of operating modes

Power mode - Standard : uses 88% engine power for all work
- Power : uses 100% engine power for heavy work
- Economy : 76% engine power

Control panel
With color LCD display

Standard screen	Theft prevention function	Filter/oil information	Operation history	Flow rate control	Contrast control

Air suspension seat (Opt.)

Equipped with various functions of adjustment forth and back and, and lumbar support, it reduces the vibration of equipment transmitted during work in an effective way.
Also for considering winter working environment,
Seat warmer functions equipped.
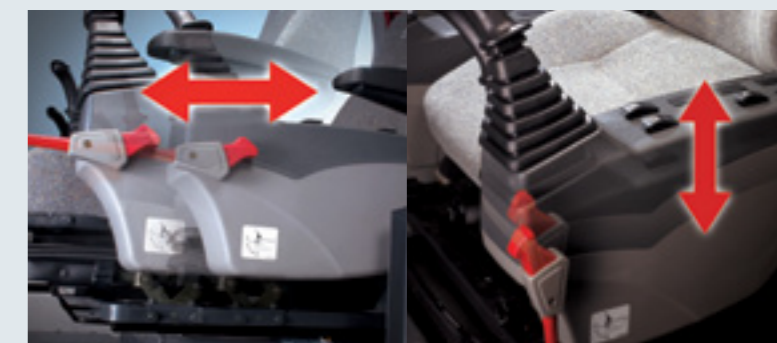
Comfortable 2-stage sliding seat

Control stand (Telescopic Function)

❶ Strengthened Boom

The reliability of a product contributes to its overall lifetime operating costs.

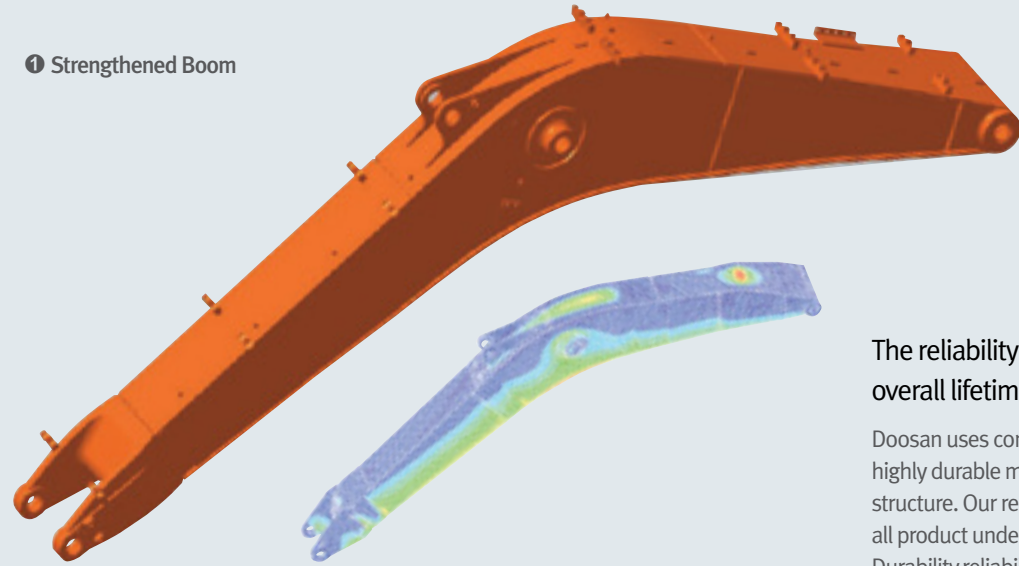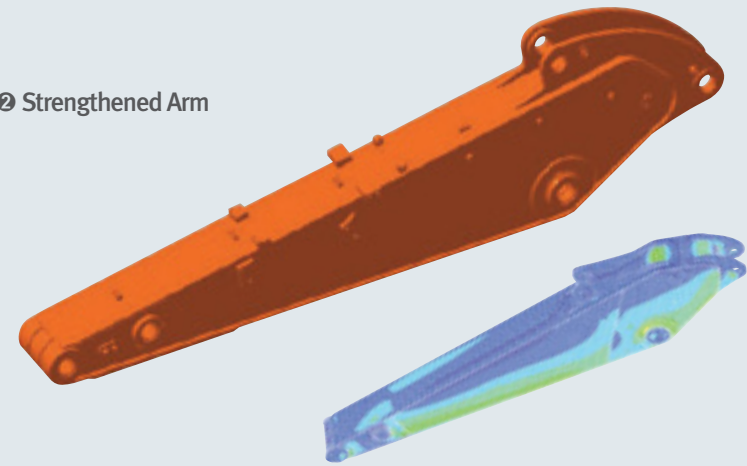Doosan uses computer- assisted design techniques, highly durable materials and a quality engineered structure. Our research and development engineers test all product under the most extreme conditions. Durability,reliability and product longevity are Doosan's top priorities.

❷ Strengthened Arm

❶ **Strengthened Boom**

The shape of the boom has been optimized by finite elements design, allowing uniform load distribution throughout the structure. This combined with increased material thickness means improved durability and reliability by limiting element fatigue.

❷ **Strengthened Arm**

In the arm assembly greater strength has been gained by using cast elements and reinforcement around the bosses to give it an increased lifetime.
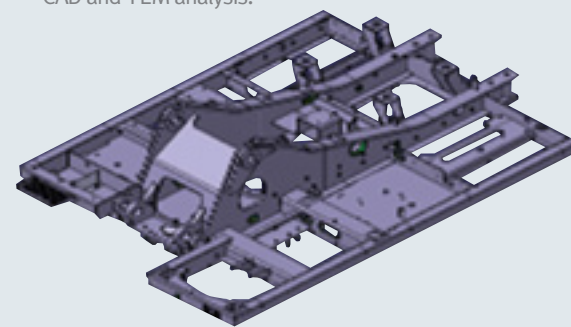
Advanced Track Frame

The X-chassis frame section has been designed using finite element and 3-dimensional computer simulation
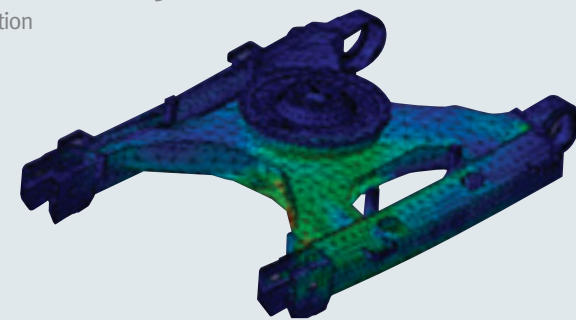
Advanced Main Frame

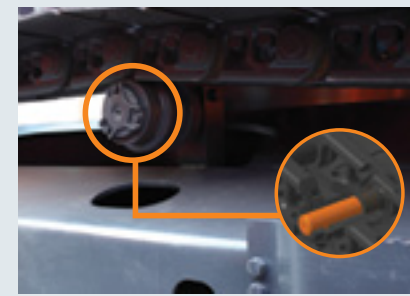Designed using advanced technology 3D CAD and FEM analysis.

Bucket Highly wear-resistant materials are used for the most susceptible elements such as the blades, teeth, rear and lateral reinforcement plates and corners of the bucket.

Bushing

A highly lubricated metal is used for the boom pivot in order to increase the lifetime and extend the greasing intervals to 250 hours.

Ultra-hard wear-resistant disc

New have been used in order to increase the wear resistance and to increase the service intervals.

Centralized grease inlets for easy maintenance

The arm grease inlets are grouped for easy access.

Tracks

The chain is composed of self-lubricating sealed links isolated from all external contamination. The tracks are locked by mechanically bolted pins.
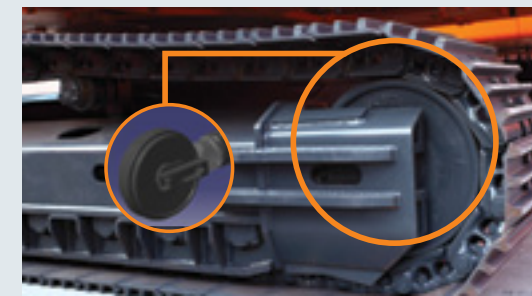
Integrated Track Spring and Idler

The track spring and the idler have been joined directly to achieve high durability and improved maintenance convenience.
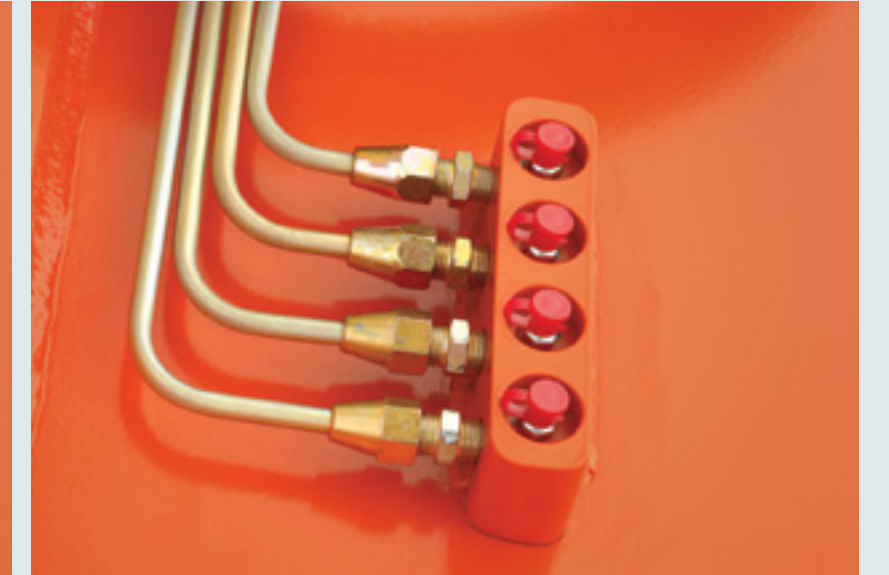
Improve the pilot hose material

· Resins → Rubber
· Decrease curve angle of hose

Apply CORG type

· Captive O-Ring Groove
· Narrow groove hold O-ring in more effective way.
· This will prevent leaking by O-Ring damage.

Track Link

Reinforce thickness on Stressed region.

S340LC   DX340LCA

· Change Tooth design → Prevent Popping
· Increase Thickness → Increase more Thickness
  of Tooth   and Durability of Tooth
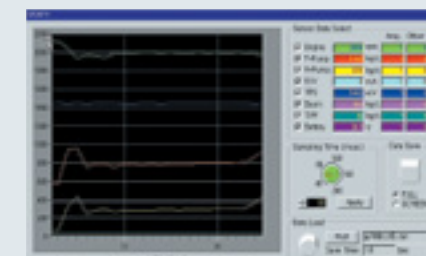
PC Monitoring (DMS)

A PC monitoring function enables connection to the e-EPOS system, allowing various parameters to be checked during maintenance.
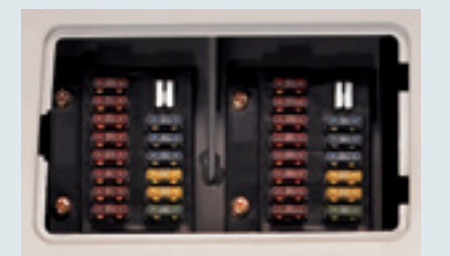
Convenient Fuse Box

The fuse box is conveniently located in a section of the storage compartment behind the operator's seat providing a clean environment and easy access.

DOOSAN has developed the DX 340 LCA profitability with end-user in mind. Easy maintenance operations at long intervals increase the availability of the equipment on site.

Easy maintenance

Access to the various radiators and coolers is very easy, making cleaning easier. Access to the various parts of the engine is from the top and via side panels.

Fuel pre-filter

High efficiency fuel filtration is attained by the use of multiple filters, including a fuel pre-filter fitted with a water separator that removes most moisture from the fuel.

Hydraulic oil return filter

The protection of the hydraulic system is more effective,using glass fiber filter technology in the main oil return filter.

Air cleaner

The large capacity forced air cleaner removes over 99% of airborne particles, reducing the risk of engine contamination and making the cleaning and cartridge change intervals greater.

Technical Specification

Engine

MODEL
Doosan DE12TIS

TYPE
4-Cycle ATA Intercooler in-Line

NUMBER OF CYLINDERS
6

RATED HORSE POWER
195 kW (265 PS) @ 1,800 rpm (DIN 6271)
185 kW (247 HP) @ 1,800 rpm (SAE J1349)

MAX TORQUE
114 kgf.m @ 1,400 rpm

PISTON DISPLACEMENT
11,051cc

BORE & STROKE
∅123mm x 155 mm

STARTING MOTOR
24 V x 6.0 kW

BATTERIES
12 V x 2/150 AH

AIR CLEANER
Double element

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	150 X 100 X 1,430mm
Arm	1	170 X 120 X 1,805mm
Bucket	1	150 X 100 X 1,300mm

Weight

TRIPLE GROUSER

Shoe width	Ground pressure	Machine Weight
(STD)600G mm	0.66 kgf/cm²	34.4 ton
(OPT)700G mm	0.56 kgf/cm²	34.5 ton
(OPT)800G mm	0.50 kgf/cm²	34.8 ton
(OPT)850G mm	0.47 kgf/cm²	35.0 ton
(OPT)900G mm	0.45 kgf/cm²	35.2 ton
(OPT)600DG mm	0.67 kgf/cm²	34.9 ton

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
Parallel, Bentaxis, Piston
max flow : 2x274 ℓ/min
Displacement : 157 cc/rev
weight : 180kg

PILOT PUMP
Gear pump - max flow : 22.5 ℓ/min
Pilot pump : 11.86 cc/rev
Relief valve pressure : 40 kgf/cm²

MAIN RELIEF PRESSURE
Boom/Arm/Bucket
Working, Travel - 330 [+10−0] kg/cm²
Pressure up - 350 [+10−0] kg/cm²

Swing Mechanism

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is singlerow, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant.

SWING SPEED - 0 to 8.9 rpm
MAX. SWING TORQUE - 11660 kgf.m (EFF.=0.863)

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 grousers.Heat-treated connecting pins.Hydraulic track adjuster with shock-absorbing tension mechanism.

Upper rollers(Standard shoe) - 2
Lower rollers - 9
Track shoes - 48
Overall track length - 4,940mm

Drive

Each track is driven by an independent, high-torque, axial piston motor through planetary reduction gear. Two levers or foot pedal control provide smooth travel or counter-rotation upon demand.

TRAVEL SPEED (HIGH/LOW) - 3.1/4.7 km/h (EFF.=99.0/95.2%)
MAXIMUM TRACTION FORCE - 27.0 / 15.1 ton (EFF.=75.7/68.8%)
GRADEABILITY - 70%

Refill Capacities

FUEL TANK - 550 ℓ
COOLING SYSTEM (RADIATOR CAPACITY) - 34 ℓ
ENGINE OIL - 28 ℓ
SWING DRIVE (=SWING DEVICE = SWING MOTOR + SWING REDUCTION GEAR) - 6 ℓ
FINAL DRIVE (=TRAVEL DEVICE = TRAVEL MOTOR + TRAVEL REDUCTION GEAR) - 2x5.5 ℓ
HYDRAULIC TANK (FULL) - 380 ℓ

Bucket

Bucket	Capacity		Width		Weight	Boom (6,500mm)		Boom (6,200mm)
	SAE heaped	CECE heaped	W/Cutter	W/O Cutter		Arm (2,600mm)	Arm (3,200mm)	Arm (2,600mm)
G.P	1.25m³	1.10m³	1228mm	1278mm	1,249kg	A	A	A
	1.49m³	1.30m³	1410mm	1460mm	1,344kg	A	A	A
	1.61m³	1.41m³	1500mm	1550mm	1,392kg	A	A	A
	1.83m³	1.60m³	1668mm	1718mm	1,522kg	A	B	A
H.D	1.20m³	1.09m³	1068mm	1134mm	1,290kg	A	A	A
	1.42m³	1.29m³	1220mm	1286mm	1,414kg	A	A	A
	1.65m³	1.48m³	1372mm	1438mm	1,512kg	A	B	A
	1.79m³	1.60m³	1460mm	1526mm	1,596kg	A	B	A
	2.01m³	1.80m³	1610mm	1676mm	1,692kg	B	C	B
	2.35m³	2.35m³	1800mm	1760mm	1,870kg	D	D	C

Based on ISO 10567 and SAE J296, arm length without quick change clamp
A. Suitable for materials with density of 2,100 kg•m³ (3,500 lb/yd³) or less
B. Suitable for materials with density of 1,800 kg•m³ (3,000 lb/yd³) or less
C. Suitable for materials with density of 1,500 kg•m³ (2,500 lb/yd³) or less
D. Suitable for materials with density of 1,200 kg•m³ (2,000 lb/yd³) or less

Digging forces (ISO)

Arm		Length	Diggingforce (Nom./Press.up, ton)	Bucket		Diggingforce (Nom./Press.up, ton)
	STD. Arm	3200mm	[SAE] 16.3 / 17.3 , [ISO] 16.9 / 17.9	Bucket	G.P	[SAE] 20.4 / 21.7 , [ISO] 23.1 / 24.5
	Short Arm	2600mm	[SAE] 20.0 / 21.2 , [ISO] 20.7 / 22.0		H.D	[SAE] 21.5 / 22.8 , [ISO] 23.4 / 24.8

Dimensions
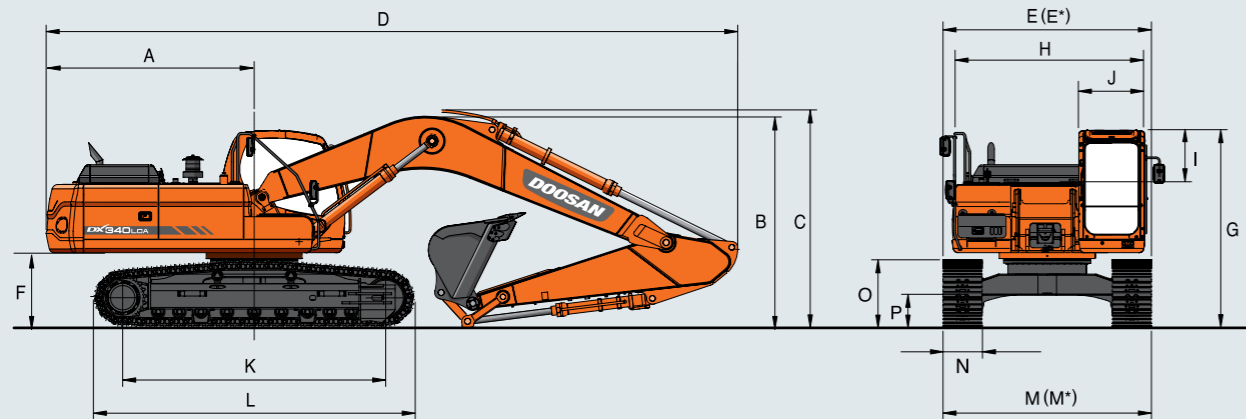
Standard

Dimensions (6,500mm(21'4")Boom, 3,200mm(10'6")Arm, 600mm(24")shoe)

			6,500		6,200
Boom Type (One Piece)	(mm)				
Arm Type	(mm)		3,200	2,600	2,600
Bucket Type (pcsa)	(m³)		1.49	1.83	2.01
Tail Swing Radius	(mm)	A	3,500	←	←
Shipping Height (Boom)	(mm)	B	3,220	3,475	3,620
Shipping Height (Hose)	(mm)	C	3,360	3,592	3,720
Shipping Lengh	(mm)	D	11,280	11,380	11,080
Shipping Width (Std.)	(mm)	E	3,280	←	←
Shipping Width (Narrow)	(mm)	E*	3,000	←	←
C/Weight Clearance	(mm)	F	1,195	←	←
Height Over Cab.	(mm)	G	3,125	←	←
House Width	(mm)	H	2,990	←	←
Cab. Height Above House	(mm)	I	845	←	←
Cab. Width	(mm)	J	1,010	←	←
Tumbler Distance	(mm)	K	4,040	←	←
Track Length	(mm)	L	4,940	←	←
Undercarriage Width (Std.)	(mm)	M	3,280	←	←
Shoe Width	(mm)	N	600	←	←
Track Height	(mm)	O	1,048	←	←
Car Body Clearance	(mm)	P	510	←	←

Working Range
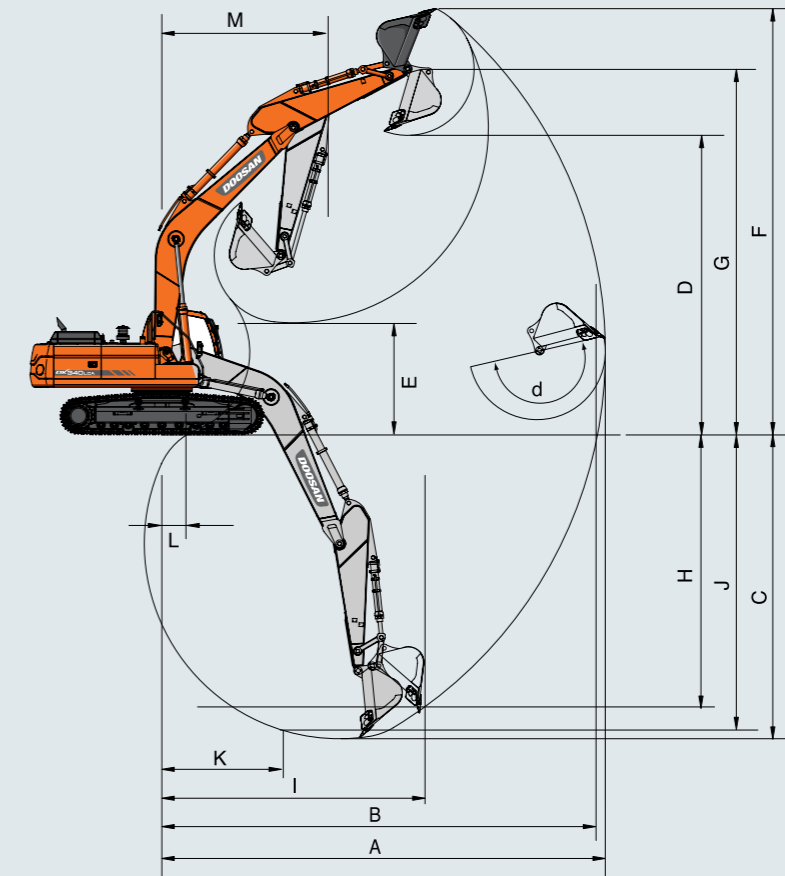
			6,500		6,200
Boom Type (One Piece)	(mm)				
Arm Type	(mm)		3,200	2,600	2,600
Bucket Type (pcsa)	(m³)		1.49	1.83	2.01
MAX. digging reach	(mm)	A	11,168	10,586	10,200
Max. digging reach (ground)	(mm)	B	10,975	10,382	9,990
MAX. digging depth	(mm)	C	7,533	6,931	6,635
Max. loading height	(mm)	D	7,196	6,882	6,695
Min. loading height	(mm)	E	2,704	3,355	3,245
Max. digging height	(mm)	F	10,345	9,994	9,510
Max. bucket pin height	(mm)	G	8,898	8,584	8,315
Max.vertical wall depth	(mm)	H	5,916	5,121	2,185
Max. radius vertical	(mm)	I	7,713	7,711	9,265
Max. digging depth 8'line	(mm)	J	7,361	6,719	6,400
Min. radius 8'line	(mm)	K	3,393	3,345	3,085
Min. digging reach	(mm)	L	723	2,180	1,950
Min.swing radius	(mm)	M	4,413	4,438	4,275
Bucket angle	(deg)	d	178	178	178

Lifting Capacity

A
Ground Line
B
Centerline of rotation
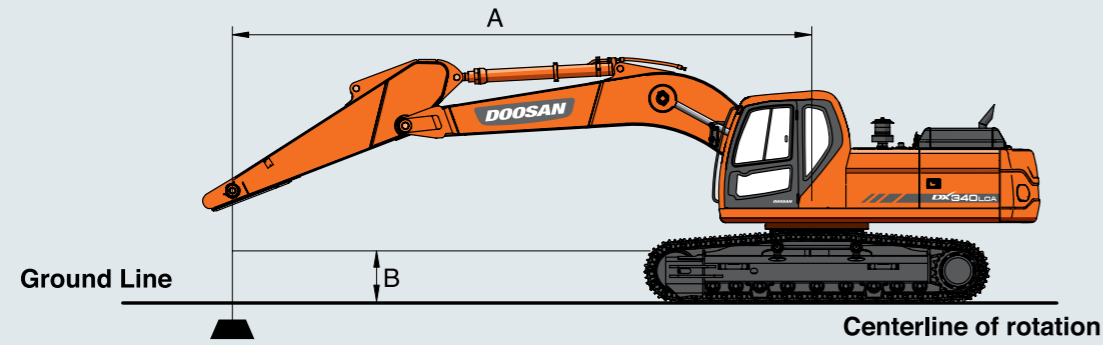
Standard

Boom : 6,500mm(21'4") Arm : 3,200mm(10'6") Bucket : Without Bucket Shoe : 600mm(24")
Standard Track : 3,280mm(10'9")

Metric
Unit : 1,000kg

A(m) B(m)	1.5 front	1.5 side	3.0 front	3.0 side	4.5 front	4.5 side	6.0 front	6.0 side	7.5 front	7.5 side	9.0 front	9.0 side	Max. Reach	Max. Reach side	A(m)
7.5									*7.68	7.33			*7.71	6.97	7.71
6.0									*7.78	7.26			*7.62	5.73	8.59
4.5					*11.99	*11.99	*9.58	*9.58	*8.33	7.02	*7.68	5.20	7.58	5.06	9.14
3.0					*15.08	*14.22	*11.03	*9.33	*9.07	6.71	7.64	5.07	7.10	4.70	9.42
1.5					*17.22	*13.24	*12.28	*8.81	*9.76	6.43	7.49	4.92	6.95	4.57	9.45
0					*17.80	*12.83	*12.95	*8.48	9.62	6.22	7.38	4.82	7.11	4.65	9.23
-1.5			*14.10	*14.10	*17.27	*12.76	*12.91	*8.35	9.52	6.13			7.64	4.98	8.76
-3.0	*16.70	*16.79	*21.31	*21.31	*15.81	*12.90	*12.07	*8.39	9.30	6.18			*8.45	5.72	7.97
-4.5			*17.23	*17.23	*13.14	*13.10	*9.96	*8.63					*8.35	7.36	6.76

Feet
Unit : 1,000ld

A(ft) B(ft)	5 front	5 side	10 front	10 side	15 front	15 side	20 front	20 side	25 front	25 side	30 front	30 side	Max. Reach	Max. Reach side	A(ft)
25									*17.04	15.68			*17.04	15.67	25.01
20									*17.03	15.60			*16.81	12.76	28.04
15					*25.78	*25.78	*20.75	*20.75	*18.15	15.11			16.79	11.21	29.92
10					*32.42	30.70	*23.86	20.14	*19.71	14.47	16.44	10.90	15.69	10.39	30.88
5					*37.17	28.55	*26.57	19.01	*21.17	13.86	16.12	10.60	15.33	10.08	31.00
0					*38.57	27.63	*28.05	18.29	20.72	13.42	15.90	10.40	15.68	10.26	30.30
-5			*31.86	*31.86	*37.46	27.46	*27.98	17.99	20.51	13.22			16.88	11.01	28.69
-10	*37.58	*37.58	*46.30	*46.30	*34.25	27.75	*26.07	18.09	19.94	13.35			*18.63	12.69	26.03
-15			*37.09	*37.09	*28.22	*28.22	*21.20	18.64					*18.36	16.51	21.92

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree
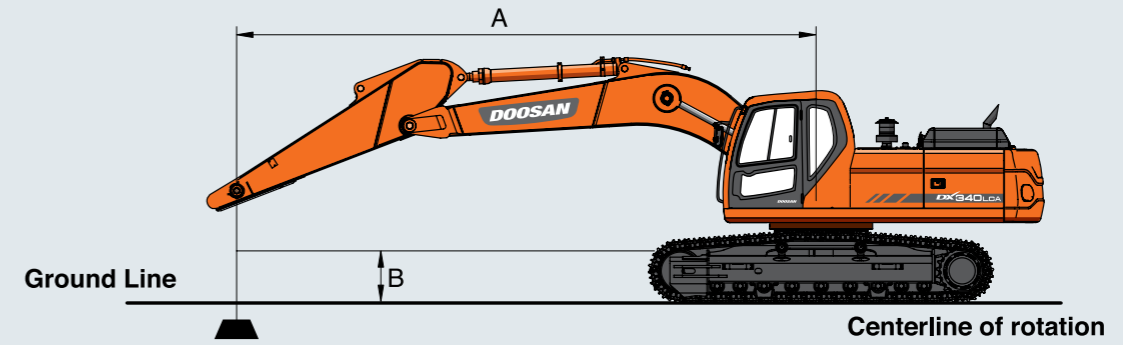
Option 1

Boom : 6,500mm(21'4") Arm : 3,200mm(10'6") Bucket : Without Bucket Shoe : 700mm(28")
Standard Track : 3,200mm(10'6")

Metric
Unit : 1,000kg

A(m) B(m)	1.5 front	1.5 side	3.0 front	3.0 side	4.5 front	4.5 side	6.0 front	6.0 side	7.5 front	7.5 side	9.0 front	9.0 side	Max. Reach	Max. Reach side	A(m)
7.5									*7.68	7.38			*7.71	7.01	7.71
6.0									*7.78	7.31			*7.62	5.77	8.59
4.5					11.99	11.99	*9.58	*9.58	*8.33	7.07	*7.68	5.24	7.64	5.10	9.14
3.0					15.08	14.32	11.03	9.40	*9.07	6.76	7.70	5.11	7.16	4.74	9.42
1.5					17.22	13.34	12.28	8.88	*9.76	6.48	7.55	4.96	7.01	4.61	9.45
0					17.80	12.93	12.95	8.55	9.70	6.27	7.44	4.86	7.17	4.69	9.23
-1.5			14.10	14.10	17.27	12.86	12.91	8.41	9.60	6.18			7.71	5.02	8.76
-3.0	16.79	16.79	21.31	21.31	15.81	13.00	12.07	8.45	*9.30	6.23			*8.45	5.77	7.97
-4.5			17.23	17.23	13.14	13.14	*9.96	8.69					*8.35	7.42	6.76

Feet
Unit : 1,000ld

A(ft) B(ft)	5 front	5 side	10 front	10 side	15 front	15 side	20 front	20 side	25 front	25 side	30 front	30 side	Max. Reach	Max. Reach side	A(ft)
25									*17.04	15.79			*17.04	15.78	25.01
20									*17.03	15.71			*16.81	12.85	28.04
15					*25.78	*25.78	*20.75	*20.75	*18.15	15.22			*16.87	11.29	29.92
10					*32.42	30.70	*23.86	20.14	*19.71	14.58	16.57	10.98	15.82	10.47	30.88
5					*37.17	28.55	*26.57	19.01	*21.17	13.97	16.25	10.69	15.46	10.17	31.00
0					*38.57	27.63	*28.05	18.29	20.90	13.52	16.03	10.49	15.81	10.34	30.30
-5			*31.86	*31.86	*37.46	27.46	*27.98	17.99	20.68	13.33			17.03	11.10	28.69
-10	*37.58	*37.58	*46.30	*46.30	*34.25	27.75	*26.07	18.09	*19.94	13.46			*18.63	12.79	26.03
-15			*37.09	*37.09	*28.22	*28.22	*21.20	18.64					*18.36	16.64	21.92

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree

Lifting Capacity

Ground Line — **Centerline of rotation**

Ground Line — **Centerline of rotation**

Option 2

Boom : 6,500mm(21'4") Arm : 3,200mm(10'6") Bucket : Without Bucket Shoe : 600mm(24")
Narrow Track : 3,000mm(9'8")

Metric — Unit : 1,000kg

A(m) / B(m)	1.5		3.0		4.5		6.0		7.5		9.0		Max. Reach		A(m)
7.5							*7.68	6.58					*7.71	6.25	7.71
6.0							*7.78	6.51					*7.62	5.12	8.59
4.5					11.99	11.99	*9.58	8.87	*8.33	6.27	*7.68	4.63	7.55	4.51	9.14
3.0					15.08	12.46	11.03	8.28	*9.07	5.98	7.61	4.50	7.08	4.18	9.42
1.5					17.22	11.53	12.28	7.78	*9.76	5.70	7.46	4.36	6.93	4.05	9.45
0					17.80	11.14	12.95	7.46	9.59	5.50	7.35	4.26	7.08	4.11	9.23
-1.5			14.10	14.10	17.27	11.07	12.91	7.33	9.48	5.40			7.61	4.40	8.76
-3.0	16.79	16.79	21.31	21.31	15.81	11.20	12.07	7.37	*9.30	5.45			*8.45	5.06	7.97
-4.5			17.23	17.23	13.14	11.52	*9.96	7.60					*8.35	6.51	6.76

Feet — Unit : 1,000ld

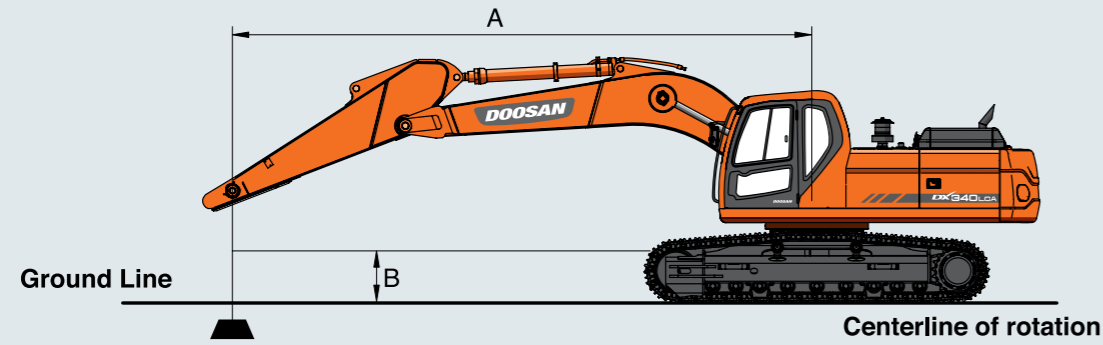| A(ft) / B(ft)	5		10		15		20		25		30		Max. Reach		A(ft)
25							*17.04	14.06					*17.04	14.06	25.01
20							*17.03	13.99					*16.81	11.41	28.04
15					*25.78	*25.78	*20.75	19.13	*18.15	13.51			16.73	9.98	29.92
10					*32.42	26.95	*23.86	17.89	*19.71	12.89	16.37	9.68	15.62	9.22	30.88
5					*37.17	24.89	*26.57	16.79	21.13	12.29	16.05	9.39	15.27	8.93	31.00
0					*38.57	24.00	*28.05	16.09	20.64	11.85	15.83	9.19	15.61	9.07	30.30
-5			*31.86	*31.86	*37.46	23.84	*27.98	15.80	20.43	11.66			16.82	9.73	28.69
-10	*37.58	*37.58	*46.30	*46.30	*34.25	24.12	*26.07	15.89	*19.94	11.79			*18.63	11.22	26.03
-15			*37.09	*37.09	*28.22	24.84	*21.20	16.43					*18.36	14.59	21.92

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree
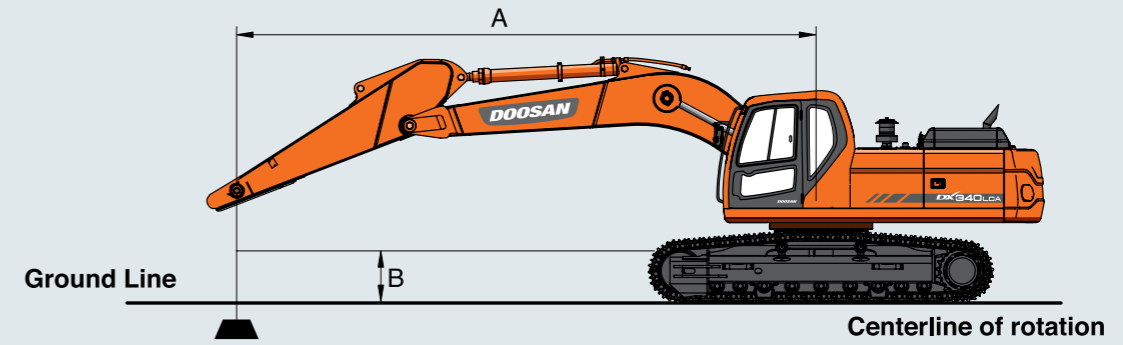
Option 3

Boom : 6,500mm(21'4") Arm : 2,600mm(8'6") Bucket : Without Bucket Shoe : 600mm(24")
Standard Track : 3,200mm(10'6")

Metric — Unit : 1,000kg

A(m) / B(m)	3.0		4.5		6.0		7.5		Max. Reach		A(m)
7.5									*8.56	8.13	6.98
6.0					*9.20	*9.20	*8.46	7.15	*8.38	6.47	7.95
4.5			13.37	13.37	10.36	9.77	*8.90	6.95	*8.38	5.64	8.53
3.0					11.71	9.21	*9.55	6.68	7.85	5.21	8.83
1.5					12.75	8.76	9.84	6.43	7.68	5.07	8.87
0			17.72	12.89	13.14	8.51	9.67	6.27	7.90	5.18	8.64
-1.5			16.74	12.93	12.79	8.44	9.62	6.23	8.61	5.62	8.12
-3.0	18.82	18.82	14.88	13.14	11.54	8.56			*9.05	6.63	7.26
-4.5	14.37	14.37	11.56	11.56					*8.64	*8.64	5.91

Feet — Unit : 1,000ld

A(ft) / B(ft)	10		15		20		25		Max. Reach		A(ft)
25									*18.93	18.37	22.58
20			*20.01	*20.01	*18.56	15.36			*18.48	14.45	25.90
15	*28.69	*28.69	*22.42	21.08	*19.39	14.97			*18.46	12.49	27.93
10			*25.31	19.88	*20.73	14.40			17.34	11.51	28.96
5			*27.59	18.90	21.20	13.87			16.94	11.17	29.09
0	*38.48	27.73	*28.48	18.34	20.82	13.53			17.41	11.42	28.34
-5	*32.52	*32.52	*36.37	27.80	*27.72	18.21	20.74	13.45	19.02	12.42	26.62
-10	*40.99	*40.99	*32.24	28.26	*24.89	18.46			*19.94	14.72	23.72
-15	*30.87	*30.87	*24.70	*24.70					*18.93	*18.93	19.10

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree

Lifting Capacity

DX340LCA

Ground Line — **Centerline of rotation**

Option 4

Boom : 6,500mm(21'4") Arm : 2,600mm(8'6") Bucket : Without Bucket Shoe : 700mm(28")
Standard Track : 3,200mm(10'6")

Metric
Unit : 1,000kg

A(m) B(m)	3.0 (front)	3.0 (side)	4.5 (front)	4.5 (side)	6.0 (front)	6.0 (side)	7.5 (front)	7.5 (side)	Max. Reach (front)	Max. Reach (side)	A(m)
7.5									*8.56	8.19	6.98
6.0			*9.20	*9.20	*8.46	7.2			*8.38	6.52	7.95
4.5			13.37	13.37	10.36	9.84	*8.90	7.0	*8.38	5.68	8.53
3.0					11.71	9.27	*9.55	6.73	7.92	5.25	8.83
1.5					12.75	8.82	9.92	6.48	7.75	5.11	8.87
0			17.72	12.98	13.14	8.57	9.75	6.32	7.96	5.22	8.64
-1.5			16.74	13.03	12.79	8.51	9.70	6.28	8.68	5.67	8.12
-3.0	18.82	18.82	14.88	13.23	11.54	8.62			*9.05	6.69	7.26
-4.5	14.37	14.37	11.56	11.56					*8.64	*8.64	5.91

Feet
Unit : 1,000ld

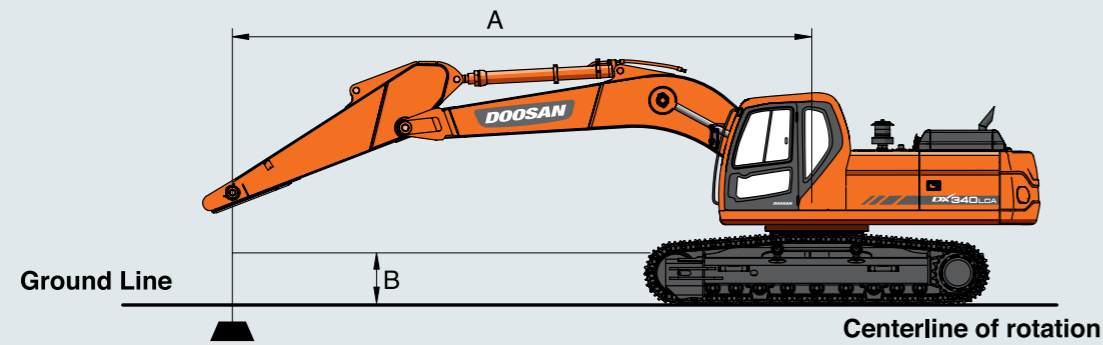| A(ft) B(ft)	10 (front)	10 (side)	15 (front)	15 (side)	20 (front)	20 (side)	25 (front)	25 (side)	Max. Reach (front)	Max. Reach (side)	A(ft)
25									*18.93	18.49	22.58
20			*20.01	*20.01	*18.56	15.47			*18.48	14.55	25.90
15			*28.69	*28.69	*22.42	21.23	*19.39	15.07	*18.46	12.59	27.93
10					*25.31	20.02	*20.73	14.50	17.48	11.60	28.96
5					*27.59	19.04	21.37	13.98	17.08	11.26	29.09
0			*38.48	27.94	*28.48	18.49	21.0	13.63	17.56	11.52	28.34
-5	*32.52	*32.52	36.37	28.02	*27.72	18.35	20.92	13.56	19.18	12.52	26.62
-10	*40.99	*40.99	*32.24	28.47	*24.89	18.61			*19.94	14.84	23.72
-15	*30.87	*30.87	*24.70	*24.70					*18.93	*18.93	19.10

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree

Option 5

Boom : 6,500mm(21'4") Arm : 2,600mm(8'6") Bucket : Without Bucket Shoe : 600mm(24")
Narrow Track : 3,000mm(9'8")

Metric
Unit : 1,000kg

A(m) B(m)	3.0 (front)	3.0 (side)	4.5 (front)	4.5 (side)	6.0 (front)	6.0 (side)	7.5 (front)	7.5 (side)	Max. Reach (front)	Max. Reach (side)	A(m)
7.5									*8.56	7.29	6.98
6.0			*9.20	9.19	*8.46	6.41			*8.38	5.79	7.95
4.5			13.37	13.34	10.36	8.71	*8.90	6.21	*8.38	5.03	8.53
3.0					11.71	8.16	*9.55	5.94	7.82	4.64	8.83
1.5					12.75	7.73	9.81	5.70	7.65	4.50	8.87
0			17.72	11.19	13.14	7.48	9.63	5.54	7.87	4.59	8.64
-1.5			16.74	11.23	12.79	7.42	9.59	5.51	8.58	4.98	8.12
-3.0	18.82	18.82	14.88	11.43	11.54	7.53			*9.05	5.87	7.26
-4.5	14.37	14.37	11.56	11.56					*8.64	*8.06	5.91

Feet
Unit : 1,000ld

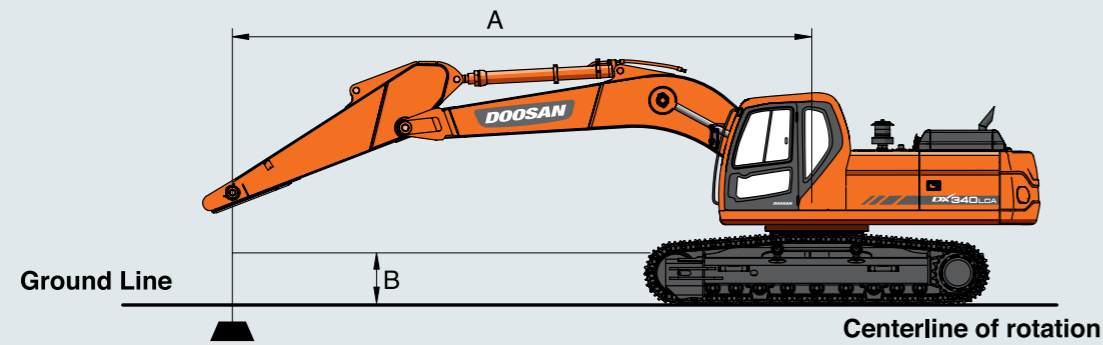| A(ft) B(ft)	10 (front)	10 (side)	15 (front)	15 (side)	20 (front)	20 (side)	25 (front)	25 (side)	Max. Reach (front)	Max. Reach (side)	A(ft)
25									*18.93	16.48	22.58
20			*20.01	19.81	*18.56	13.76			*18.48	12.93	25.90
15			*28.69	*28.69	*22.42	18.81	*19.39	13.37	*18.46	11.15	27.93
10					*25.31	17.64	*20.73	12.82	17.28	10.24	28.96
5					*27.59	16.68	21.12	12.30	16.87	9.91	29.09
0			*38.48	24.10	28.48	16.15	20.74	11.97	17.35	10.12	28.34
-5	*32.52	*32.52	36.37	24.18	*27.72	16.02	20.66	11.90	18.94	10.99	26.62
-10	*40.99	*40.99	*32.24	24.62	*24.89	16.26			*19.94	13.03	23.72
-15	*30.87	*30.87	*24.70	*24.70					*18.93	18.18	19.10

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree

Lifting Capacity

A

Ground Line B Centerline of rotation

A

Ground Line B Centerline of rotation

Option 6

Boom : 6,200mm(20'4") Arm : 2,600mm(8'6") Bucket : Without Bucket Shoe : 600mm(24")
Standard Track : 3,200mm(10'6")
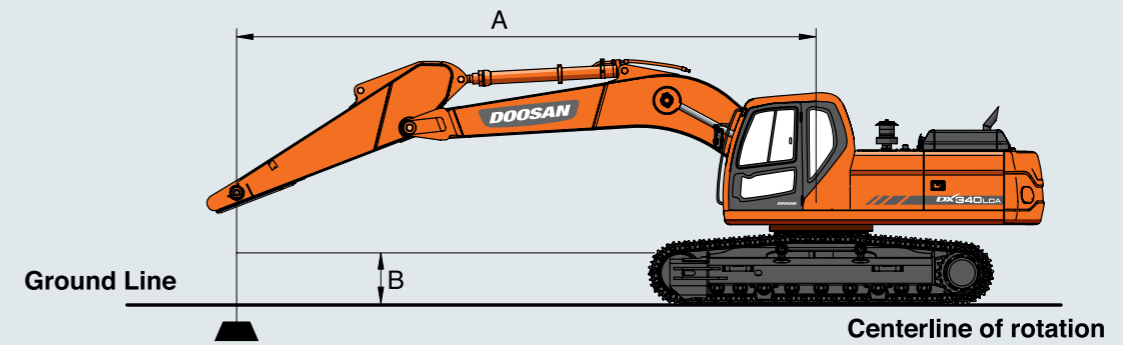
Metric

Unit : 1,000kg

B(m) \ A(m)	3.0 (front)	3.0 (side)	4.5 (front)	4.5 (side)	6.0 (front)	6.0 (side)	7.5 (front)	7.5 (side)	Max. Reach (front)	Max. Reach (side)	A(m)
7.5			* 8.96	* 8.96					* 8.98	8.98	6.58
6.0			* 9.33	* 9.33	*8.78	7.17			* 8.78	7.0	7.61
4.5			13.09	13.09	10.41	9.91	* 9.11	7.02	* 8.78	6.05	8.22
3.0			16.08	14.22	11.75	9.39	* 9.71	6.78	8.36	5.57	8.53
1.5			17.89	13.41	12.85	8.94	9.96	6.55	8.18	5.42	8.56
0			18.06	13.31	13.31	8.68	9.79	6.39	8.43	5.55	8.32
-1.5	17.81	17.81	17.13	13.14	12.96	8.61	9.76	6.36	9.26	6.06	7.79
-3.0	19.66	19.66	15.13	13.34	11.54	8.73			* 9.58	7.26	6.89
-4.5	14.42	14.42	11.28	11.28					* 9.07	* 9.07	5.44

Feet

Unit : 1,000ld

B(ft) \ A(ft)	10 (front)	10 (side)	15 (front)	15 (side)	20 (front)	20 (side)	25 (front)	25 (side)	Max. Reach (front)	Max. Reach (side)	A(ft)
25			* 19.80	* 19.80					* 19.88	* 19.88	21.27
20			* 20.34	* 20.34					* 19.36	15.63	24.78
15	* 28.16	* 28.16	* 22.57	21.38	*19.88	15.12			* 19.35	13.41	26.89
10	* 34.59	30.71	* 25.44	20.26	* 21.12	14.61			18.46	12.30	27.96
5	* 38.66	28.91	* 27.82	19.29	21.46	14.12			18.03	11.94	28.10
0	* 39.18	28.27	* 28.84	18.72	21.10	13.79			18.59	12.24	27.31
-5	* 40.41	* 40.41	37.19	28.27	* 28.08	18.57	21.05	13.75	20.46	13.39	25.53
-10	* 42.73	* 42.73	* 32.74	28.72	* 24.84	18.84			* 21.11	16.14	22.49
-15	*30.82	* 30.82	* 23.94	* 23.94					* 19.85	* 19.85	17.53

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree

Option 7

Boom : 6,200mm(20'4") Arm : 2,600mm(8'6") Bucket : Without Bucket Shoe : 700mm(28")
Standard Track : 3,200mm(10'6")

Metric

Unit : 1,000kg

B(m) \ A(m)	3.0 (front)	3.0 (side)	4.5 (front)	4.5 (side)	6.0 (front)	6.0 (side)	7.5 (front)	7.5 (side)	Max. Reach (front)	Max. Reach (side)	A(m)
7.5			* 8.96	* 8.96					* 8.98	* 8.98	6.58
6.0			* 9.33	* 9.33	* 8.78	7.22			* 8.78	7.05	7.61
4.5			13.09	13.09	10.41	9.98	* 9.11	7.07	* 8.78	6.09	8.22
3.0			16.08	14.32	11.75	9.45	* 9.71	6.83	8.43	5.61	8.53
1.5			17.89	13.51	12.85	9.01	10.04	6.60	8.24	5.46	8.56
0			18.06	13.24	13.31	8.75	9.87	6.44	8.50	5.60	8.32
-1.5	17.81	17.81	17.13	13.24	12.96	8.68	9.84	6.41	9.33	6.11	7.79
-3.0	19.66	19.66	15.13	13.44	11.54	8.79			* 9.58	7.31	6.89
-4.5	14.42	14.42	11.28	11.28					* 9.07	* 9.07	5.44

Feet

Unit : 1,000ld

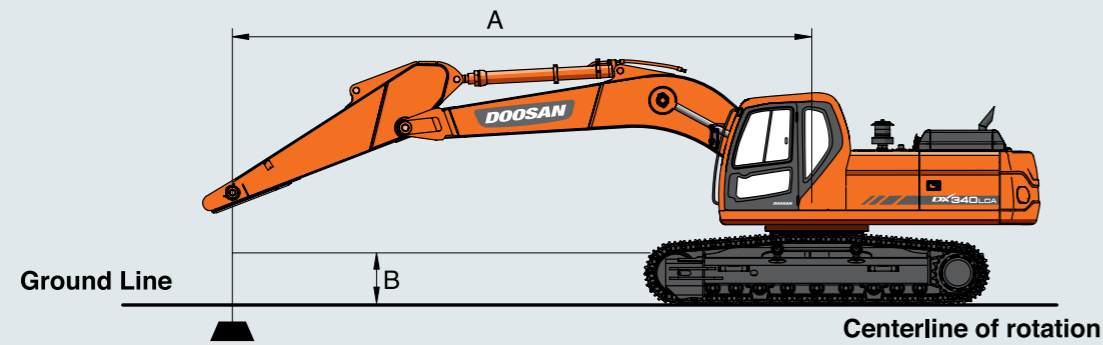| B(ft) \ A(ft)	10 (front)	10 (side)	15 (front)	15 (side)	20 (front)	20 (side)	25 (front)	25 (side)	Max. Reach (front)	Max. Reach (side)	A(ft)
25			* 19.80	* 19.80					* 19.88	* 19.88	21.27
20			* 20.34	* 20.34					* 19.36	15.74	24.78
15	* 28.61	* 28.61	* 22.57	21.52	*19.88	15.22			* 19.35	13.51	26.89
10	* 34.59	30.92	* 25.44	20.40	* 21.12	14.72			18.61	12.40	27.96
5	* 38.66	29.13	* 27.82	19.44	21.63	14.22			18.18	12.03	28.10
0	* 39.18	28.49	* 28.84	18.86	21.27	13.90			18.74	12.34	27.31
-5	* 40.41	* 40.41	37.19	28.49	* 28.08	18.71	21.23	13.86	20.62	13.50	25.53
-10	* 42.73	* 42.73	* 32.74	28.93	* 24.84	18.98			* 21.11	16.26	22.49
-15	* 30.82	* 30.82	* 23.94	* 23.94					* 19.85	* 19.85	17.53

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front
: Rating Over Side or 360 Degree

Lifting Capacity

Ground Line

Centerline of rotation

Option 8

Boom : 6,200mm(20'4") Arm : 2,600mm(8'6") Bucket : Without Bucket Shoe : 600mm(24")
Narrow Track : 3,000mm(9'8")

Metric   Unit : 1,000kg

A(m) B(m)	3.0		4.5		6.0		7.5		Max. Reach		A(m)
7.5					* 8.96	* 8.96			* 8.98	8.06	* 6.58
6.0					* 9.33	9.27	*8.78	6.43	* 8.78	6.27	* 7.61
4.5			13.09	13.09	10.41	8.85	* 9.11	6.28	* 8.78	5.40	* 8.22
3.0			16.08	12.47	11.75	8.34	* 9.71	6.04	8.33	4.96	* 8.53
1.5			17.89	11.70	12.85	7.91	9.93	5.82	8.15	4.81	* 8.56
0			18.06	11.44	13.31	7.66	9.76	5.67	8.40	4.93	* 8.32
-1.5	17.81	17.81	17.13	11.44	12.96	7.59	9.73	5.64	9.22	5.38	* 7.79
-3.0	19.66	19.66	15.13	11.63	11.54	7.70			* 9.58	6.43	* 6.89
-4.5	14.42	14.42	11.28	11.28					* 9.07	* 9.07	* 5.44

Feet   Unit : 1,000ld

A(ft) B(ft)	10		15		20		25		Max. Reach		A(ft)
25					* 19.80	* 19.80			* 19.88	18.24	21.27
20					* 20.34	19.98			* 19.36	14.01	24.78
15			* 28.16	* 28.16	* 22.57	19.10	*19.88	13.52	* 19.35	11.98	26.89
10			* 34.59	26.96	* 25.44	18.01	* 21.12	13.03	18.39	10.96	27.96
5			* 38.66	25.25	* 27.82	17.07	21.38	12.55	17.96	10.61	28.10
0			* 39.18	24.64	* 28.84	16.52	21.02	12.23	18.52	10.86	27.31
-5	* 40.41	* 40.41	* 37.19	24.63	* 28.08	16.37	20.97	12.19	20.38	11.88	25.53
-10	* 42.73	* 42.73	* 32.74	25.06	* 24.84	16.63			* 21.11	14.30	22.49
-15	* 30.82	* 30.82	* 23.94	* 23.94					* 19.85	* 19.85	17.53

1. Lifting Capacities are in Compliance with ISO 10567
2. Loading Point is The End of The Arm.
3. Capacities Marked with an Asterisk (*) are Limited by Hydraulic Capacities.
4. Lifting Capacities Shown Do Not Exceed 75% of Minimum Tipping Loads or 87% of Hydraulic Capacities.
5. The Least Stable Position is Over the Side.

: Rating Over Front

: Rating Over Side or 360 Degree

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