

Doosan Infracore India Pvt.Ltd

Plot No. 34, Door No. 1/61-19, Palwels street, Ravi Colony,
St. Thomas Mount, Chennai-600 016

Tel : +91-44-4222-3900

Fax : +91-44-4222-3905

www.doosaninfracore.com

Doosan Infracore Europe S.A.

1A, Rue Achille Degrace, 7080 Frameries, Belgium
Tel : +32-65-61-3230 Fax : +32-65-67-7338

Doosan Infracore U.K., Ltd.

Doosan House, Unit 6, 3 Heol Y Gamlas, Parc Nantgarw, Nantgarw,
Cardiff. CF15 7QU, U.K.
Tel : +44-1443-84-2273 Fax : +44-1443-84-1933

Doosan Infracore Europe S.A. Germa

Heinrich-von- Stephan str. 2 40764 Langenfeld, Germany
Tel : +49-2173-2035-210 Fax : +49-2173-2035-219

Doosan Infracore France

ZAC de La Clef Saint Pierre - Buroplus 2 1A Avenue Jean d'Alembert
78990 Elancourt, France
Tel : +33-(0)1-30-16-21-41 Fax : +33-(0)1-30-16-21-44

Doosan Infracore America Corporation

2905 Shawnee Industrial Way, Suwanee, Georgia 30024, U. S. A
Tel : +1-770-831-2200 Fax : +1-770-831-0480

Doosan Infracore China Co., Ltd.

#28, Wuzhishan Road, Eco. & Tech, Development Zone,
Yantai, Shandong, China
Tel : +86-535-638-2000 Fax : +86-535-638-2004

Doosan Infracore South Africa (PTY) LTD.

60C Electron Road, Isando 1600, Johannesburg, South Africa
Tel : 27-11-974-2095 Fax : 27-11-974-2778

Doosan Infracore Middle East Center (Dubai)

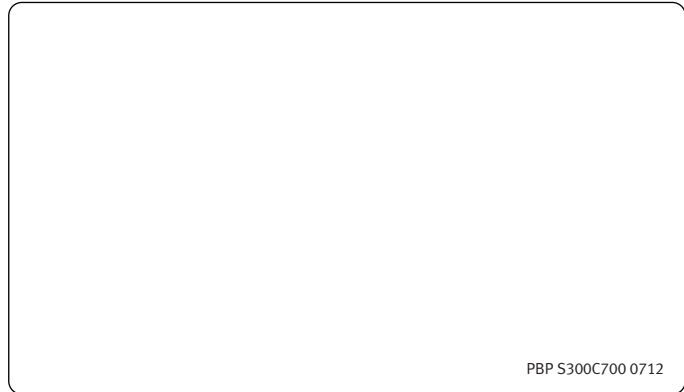
P.O.Box 183127, Al-Serkal Building, Air Port Road,Dubai, U.A.E
Tel : +971-4-295-2781~2 Fax:+971-4-295-2783

Doosan Infracore Seoul Office

Doosan Tower 27th FL. 18-12, Euljiro-6 Ga, Jung-Gu, Seoul, Korea 100-730
Tel : +82-2-3398-8049 Fax : +82-2-3398-8117

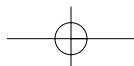
Doosan Infracore do Brasil Serviços de Suporte Comercial Ltda.

Alameda Santos 2222 Cj52 CEP 01418.200 São Paulo, SP, Brasil
Tel : +55-11-3061-3227 Fax : +55-11-3061-2731



PBP S300C700 0712

The illustrations do not necessary show the product in standard version.
All products and equipment are not available in all markets.
Materials and specifications are subject to change without prior notice.

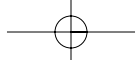




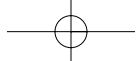
Doosan Infracore
Construction Equipment

SOLAR300LC-7





SOLAR 300LC-7





Introducing the advanced series of excavators...

Featuring a curved exterior style appropriate to the new millennium, these machines combine whisper quiet noise levels with the smoothness of silk yet still retain the Doosan tradition of great power and speed.

Consumption

SOLAR300LC-7

The fuel efficiency and reliability of SOLAR 300LC-7 have a direct impact on its productivity. Air-to-air intercooler engine with powerful performance and hydraulic excavator controlled

Higher efficiency, Lower Running Cost

Close combination of powerful engine, cooling module and main pump



Thanks to powerful engine performance, a cooling module, high capacity main pumps and an EPOS system that automatically controls engine rpm and flow rates, the fuel consumption has been reduced remarkably.

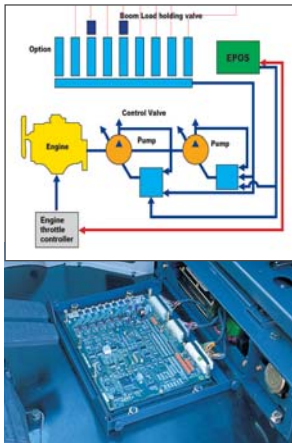
Strong air to air intercooler engine with 205PS



Thanks to DOOSAN D1146TA engine with excellent efficiency the performance is guaranteed in all working conditions with high reliability.



EPOS system for optimum performance in any operating condition



Engine by EPOS - optimization of hydraulic system

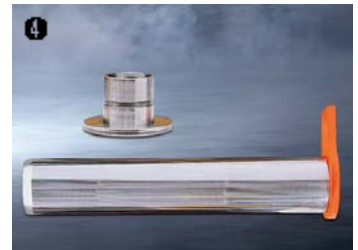
With the use of EPOS which automatically controls engine and main pump for optimum performance.

- Power mode control that supports efficient working
- Auto idle feature for reduced noise and high fuel efficiency
- Pressure surge on demand function to tackle tough job situations arising suddenly
- Micro processor controlled machine history and fault diagnosis system with malfunction history for easy identification and rectification of problems if the need arises
- Automatic travel control



Disk

To reduce the wear and tear of bucket connecting parts, wear proof disk is applied to arm end boss. Since replaceable disk is used, service can be done easily.



Widening the clearance between chrome coated in & bush

As chrome coated pin high-tension brass bush are used, strength and wearproof property are improved and the clearance between pin and bush minimized for longer life.

* The value of fuel saving is based on our test between SOLAR300LC-7 with our earlier V model.

by engine and EPOS, with a cost/performance ratio that makes the SOLAR 300LC-7 even more appealing.

Reliability

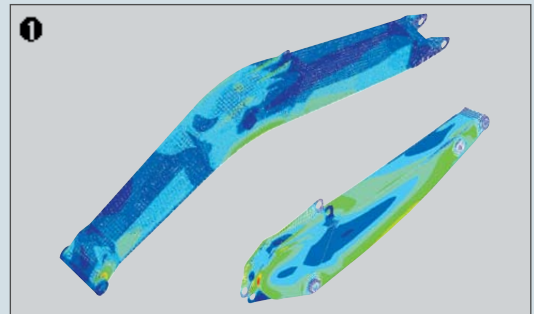
SOLAR300LC-7

When there's more to Reliability, Doosan gets more done.





Air to Air Intercooler Engine with 205PS

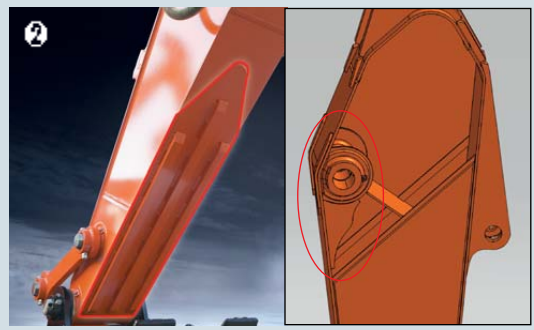
High capacity hydraulic pump delivering a flow of 2X246 l/min



Strengthened Boom & Arm Assembly

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 gives improved durability and reliability by limiting element fatigue. In the arm assembly greater strength has been gained by using cast elements and reinforcement around the bosses to give increased life.

Enhanced durability of boom and arm Strength is increased: Boom 5% , Arm 10% 



The durability of arm is enhanced, because the thickness of steel plate of boom and The boss shape's change is increased by 5~10% compared to V model, steel plate is additionally applied to the end of arm and the inside of arm center is reinforced by plate.*

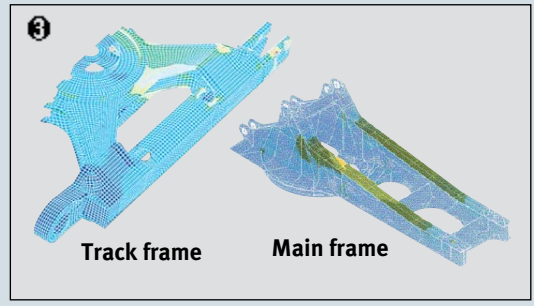
Body with the section structure of optimum X-shaped box
The deformation caused by distortion is minimized.



Increasing the section coefficient of track frame
Thanks to the increased thickness of iron plate of track frame, stability is improved.

Reinforced idler fram
The reinforced idler frame increases the durability of idler and track link.

X-chassis
The X-chassis frame section has been designed using finite element and 3-dimensional computer simulation, to ensure greater durability and optimum structural integrity. The swing gear is solid and stable.



Track & Main frame

Thanks to the overall adoption of high tension and improved shape, namely, heightening strength of fixed parts of boom, engine and counterweight and reinforcing tank assembly parts, etc, durability is improved remarkably.

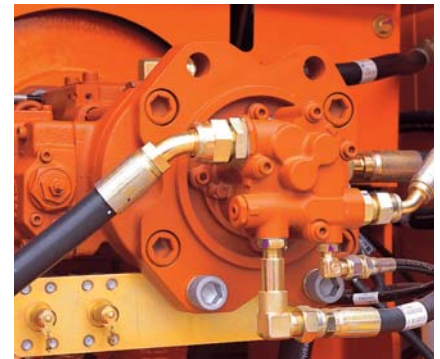
* The measured value is based on our test and the compared equipment is Doosan V model.

Performance

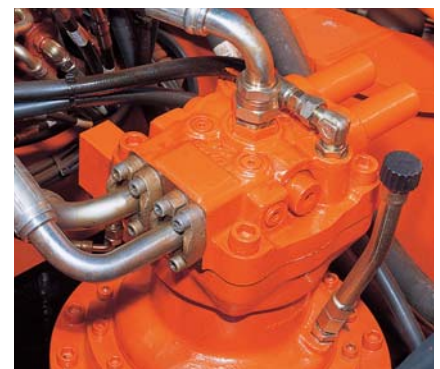
SOLAR300LC-7

The advanced hydraulic system combined with a powerful engine provides for powerful excavation and work efficiency as well as the highest breakout force. Thanks to filter provided for purifying interior air, air quality inside the cabin is maintained. As

Superior PERFORMANCE with less FUEL



High capacity & efficient hydraulic system
2X246 ℓ /min hydraulic pumps and gear pumps enable the functioning of pilot line smoothly and efficiently.



Accurate swing point : anti-rebound valve
Swing anti-rebound valve are installed as standard part of equipment, allowing the operator to stop upper structure at the desired position. As a result, operating efficiency improves greatly. Also improves durability.

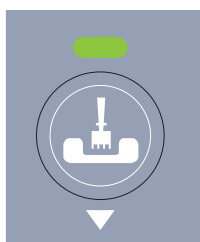
Swing torque (Max) - 1,860 kgf.m



Powerful excavating capability
Due to the introduction of advanced hydraulics the machine offers powerful excavation capabilities by adopting precision built control valves.



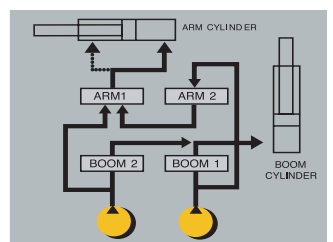
Leveling work
Thanks to the adoption of the highest control valve and hydraulic circuit, leveling work performance is improved remarkably and heavy cargo can be transported easily due to smooth front movement while running.



Press button select switch for toggling between power and operating modes

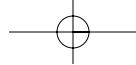
Operating mode – Optimization of engine and hydraulics will deliver high fuel efficiency with ease of operation.

Power mode – For faster cycle times and high output. Cycle time reduction of upto 15% is achieved compared to operating mode.



Control valve highly efficient in complex operation is specially applied

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



equipment status can be checked by PC in SMS, thereby extending the life of equipment. Doosan always strives for profit and happiness of customer and your wise selection will keep you happy and prosperous for years to come.

Maintenance

SOLAR300LC-7

With Low cost of maintenance, and high component durability total cost decrease



Sub assemblies

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



Engine oil drain valve

The engine oil drain valve with quick coupler provides fast and easy draining of used lube oil which is environment friendly.



Electric refuelling pump

A electric refuelling pump is provided next to the main pump for easy clean dispensing of fuel avoiding spillage for clean work environment.



PC monitoring function (SMS)

By connecting a laptop PC to the controller (EPOS controller) of the machine, data such as pump pressure and engine RPM can be displayed graphically. Also other vital machine data can be stored in memory and printed out using a printer.



Engine oil filter

High efficiency engine oil filter capable of filtering the minute particles is installed for extended life of the engine.



Fuel purification

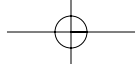
The fuel system is provided with a high capacity water separator and dual filtration system to minimize impurities entering the system thus protecting the engine to improve operational efficiency.



High capacity air filter

The large cyclonic type dual air filters ensure minute particles of dust are eliminated from air intake safe guarding the engine life. The location of the filter provides easy access for cleaning and changing of cartridges.





Working Environment

SOLAR300LC-7

Wide operator cabin(meeting ISO and fops standards) space gives wide all round visibility reducing blind spots. Care has been taken to ensure low noise(74dB) and low vibration providing safe and ergonomic operating environment.

When the going gets tough Working with Doosan makes me confident.



Long wind shield wiper blade
Front visibility is further improved by using the lengthened wiper blade (wiper area increased 35% compared to previous machine.)



Large ceiling cover
The ceiling cover can be opened to confirm the bucket operation even at the maximum excavating height. (Visual range increased by 25% compared to previous machine.)



Provision for additional work lights on the cabin (Optional)





Increased foot space

Instruments, controls, and accessories have been ergonomically located in the cabin and 300mm seat slide has been achieved to provide ample space for operator's feet and legs.



Cup holder

A folding style cup holder has been installed in the cabin allowing the operator to store a can or cup.



12V Spare Power Socket

This socket can be used for charging a cellular phone or powering a small 12V DC electrical device.



Radio & Cassette player

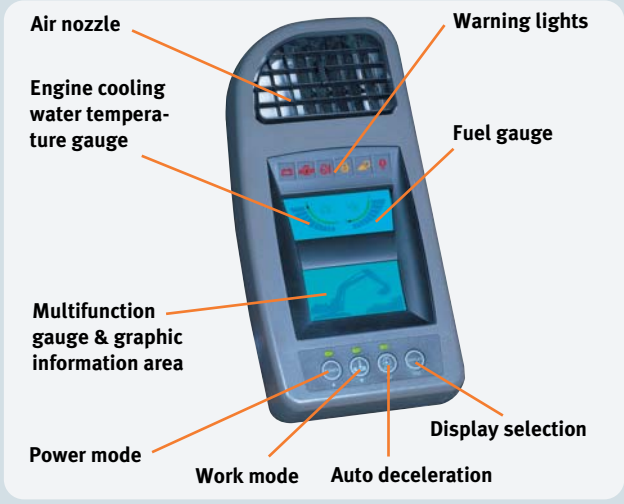
To provide operator fatigue and improved work atmosphere.



Simplified operation mode selection

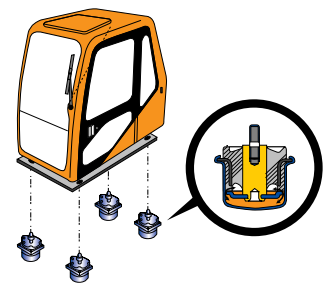
The 3 work modes from the previous models have been reduced to digging and trenching modes for easy selection.

- **Digging Mode :**
General Excavating, Ground Leveling, Loading Dump Truck, allows for versatility.
- **Trenching Mode :**
trenching or excavating of side wall, operations which require heavy swing work.



Low Vibration Cab Mounting System

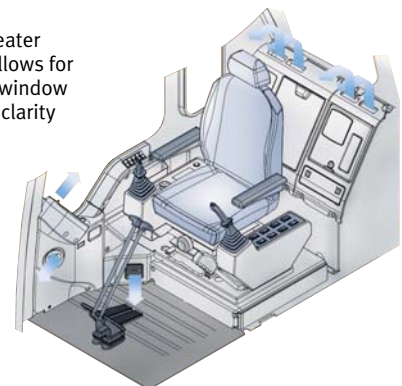
By using a total isolating seal design (full sealing) outside noise has been drastically reduced to the levels comparable to that in a modern car. A viscous sealed mounting system has been incorporated, and the frame, cabin and seat have been designed to absorb major and minor vibrations, resulting in a significant decrease in vibration felt by the operator.



Fresh Air Type Air Conditioner

One touch selector switch for the air conditioner and heater output, featuring a multi-vent circulation system that allows for greater cooling / heating performance. Improved front window defroster system has been added to provide enhanced clarity and visibility during any working condition.

- Easy replaceable air filter.
- Larger cool air intake vents.
- Industry standard fresh air/ recirculation control system incorporated.



SOLAR300LC-7

Technical specifications

ENGINE

Model	Doosan D1146TA
Type	Water-cooled, 4-cycle, direct injection .
Aspiration	Turbocharged Air-to-Air intercooled
No. of cylinders	6
Rated flywheel horse power	147KW (200PS) @ 1,900 rpm (DIN 6271, net) 147KW (197HP) @ 1,900 rpm (SAE J1349, net)
Piston displacement	8,071cc (493cu.in)
Maximum torque	86kgf.m (843Nm, 622 lbf.ft) @ 1,300 rpm
Bore and stroke	111mm X 139mm (4.4" X 5.5")
Starting system	24V Electric motor
Batteries	2 X 12V X 150 AH

HYDRAULIC SYSTEM

e-EPOS (Electronic Power Optimizing System) allows the operator to maximize work efficiency over a full range of operating conditions and to minimize fuel consumption.

- Hydraulic system assures fully independent and combined operations.
- Automatic 2 speed travel system for high traction force and travel speed.
- Cross-sensing and fuel saving pump system.
- Auto idle system.
- 2-Working /2-power mode selection system.
- Computer aided engine-pump control.

Main pumps	2 variable displacement axial piston pumps. max flow: 2 X 246 ℓ /min (2 X 65.2 US gpm, 2 X 54.3 lmp gpm)
Pilot pump	Gear pump - max flow: 28.5 ℓ /min (7.5US gpm, 6.3lmp gpm)
Maximum system pressure	Boom/arm/Bucket: Normal mode: 324bar (4,690 psi, 330kgf/cm ²) Power mode: 343bar (4,970 psi, 350kgf/cm ²) Travel: 324bar (4,690 psi, 330kgf/cm ²) Swing: 279bar(4,050 psi, 285 kgf/cm ²)

HYDRAULIC CYLINDERS

High-strength piston rods and tubes are used. Cylinder cushion mechanism is provided for all cylinders to assure shock-free operation and extend life of cylinder.

Cylinders	Quantity	Bore X Rod diameter X stroke
Boom	2	140 X 95 X 1440mm (5.5" X 3.7" X 56.7")
Arm	1	150 X 105 X 1755mm (5.9" X 4.1" X 69.1")
Bucket	1	140 X 90 X 1150mm (5.5" X 3.5" X 45.3")

SUPER-STRUCTURE REVIVING FRAME

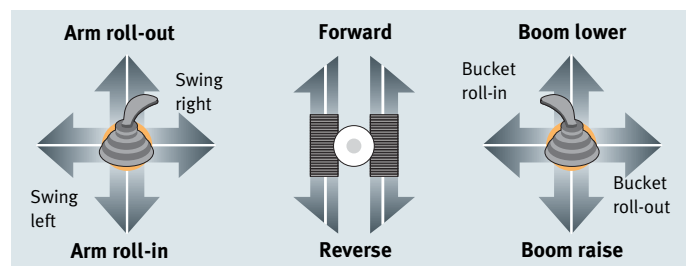
A deep, full-reinforced box section. Heavy-gauge steel plates used for ruggedness.

OPERATOR'S CAB

A roomy, independent, shock and noise-free operator's cab, 4 side safety glass windows give all-round visibility. Front window slides up and stores in the roof and side window can be opened for ventilation. Fully adjustable suspension seat. Air conditioner: Option. ISO standard cab.

CONTROLS. 2 IMPLEMENT LEVERS

Pilot pressure control type. Right lever is boom and bucket control, left lever for swing and arm control.



2 TRAVEL PEDALS WITH LEVERS

Pilot pressure control type. Independent drive at each track allows counter-rotation of the tracks. Levers are detachable.

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 parking brake is spring-set, hydraulic-released disc type.

- **Swing speed** : 0 to 10.1 rpm(min⁻¹)
- **Rear swing radius** : 3,200 mm(10'6")

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 (fast/slow)	5.2/3.1km/h (3.2/1.9 mph)
Maximum traction force	23,400 kgf (51,587 lbf)
Maximum grade	35°(70%) continuous

TRAVEL MOTOR BRAKES

Oil immersed disc brakes on the final drive input shafts. Parking brakes are spring applied, hydraulic-released disc type.

UNDERCARRIAGE

Tractor type undercarriage. Heavy-duty track frame, all welded stress-relieved structure. Top grade materials are used for toughness. Side frames are welded, securely and rigidly, to the track frame. Lifetime-lubricated track rollers, idlers and sprockets with floating seals. Track shoes of induction-hardened rolled alloy with triple grousers. Specially heat-treated connecting pins. Hydraulic track adjusters with shock-absorbing recoil springs.

Number of rollers and shoes (each side) ground contact area

Upper rollers	2
Lower rollers	9
Track shoes	51
Overall track length	4,930mm(16'2")

REFILL CAPACITIES

Fuel tank	450 ℓ (118.9 US gal, 99.0 Imp gal)
Cooling system (Radiator capacity)	37 ℓ (9.8 US gal, 8.1 Imp gal)
Engine oil	24.0 ℓ (6.3 US gal, 5.3 Imp gal)
Swing drive	6.0 ℓ (1.6 US gal, 1.3 Imp gal)
Final drive (each)	4.3 ℓ (1.1 US gal, 0.9 Imp gal)
Hydraulic system	290 ℓ (76.6 US gal, 63.8 Imp gal)
Hydraulic tank	160 ℓ (42.3 US gal, 35.2 Imp gal)

WEIGHT

Equipped with 6,245m(20'6") boom, 3.1m(10'2") arm, and 1.27m³(1.66yd³; PCSA heaped) bucket and 600mm(24") shoes.

Shoe width	Operating weight	Ground pressure (kgf/cm ²)
600 mm (24")	29,600kg (65,300lb)	0.57kgf/cm ² (56kpa, 8.1psi)
700 mm (28")	30,200kg (66,600lb)	0.50kgf/cm ² (49kpa, 7.1psi)
800 mm (32")	30,600kg (67,500lb)	0.44kgf/cm ² (43kpa, 6.2psi)
850 mm (34")	30,800kg (67,900lb)	0.42kgf/cm ² (41kpa, 6.0psi)

BUCKET

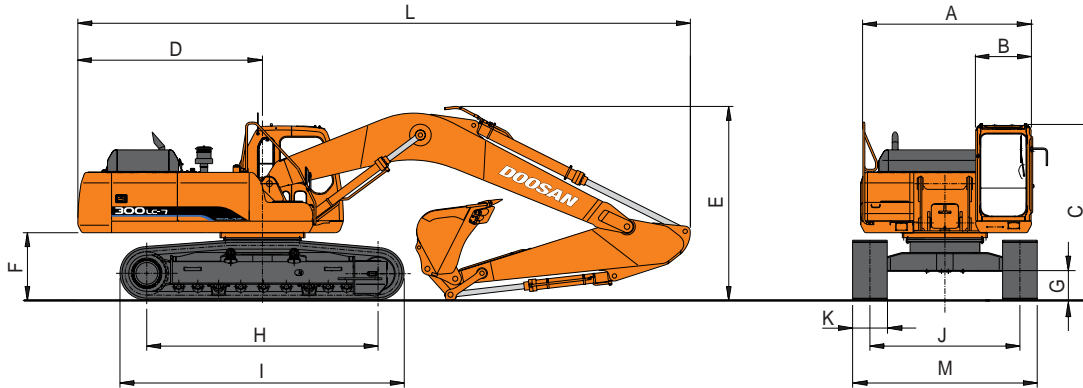
Capacity		Width		Weight	Recommendation		
PCSA, heaped	CECE, heaped	Without side cutters	With side cutters		2.5 m (8'2")Arm	3.1m (10'2")Arm	3.75m (12'4")Arm
0.80m ³ (1.05yd ³)	0.7m ³	926mm (36")	1,035mm (41")	863kg (1,900 lb)	A	A	A
1.05m ³ (1.37yd ³)	0.9m ³	1,136mm (45")	1,245mm (49")	984kg (2,170 lb)	A	A	B
1.27m ³ (1.66yd ³)	1.1m ³	1,336mm (53")	1,445mm (57")	1,083kg (2,387lb)	A	B	C
1.50m ³ (1.96yd ³)	1.3m ³	1,546mm (61")	1,655mm (65")	1,221kg (2,690 lb)	B	C	-
1.75m ³ (2.29yd ³)	1.5m ³	1,756mm (69")	1,865mm (73")	1,326kg (2,925 lb)	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

SOLAR300LC-7

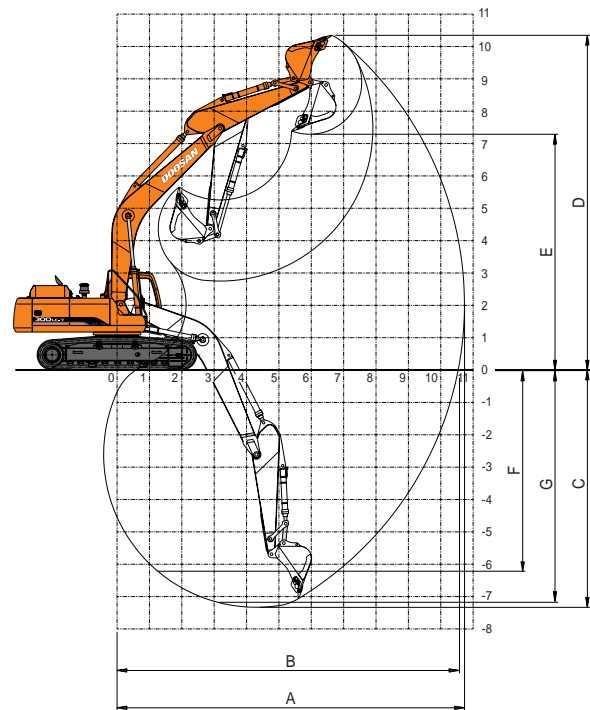
Dimensions & Working range

DIMENSIONS - 6,245mm(20'6")Boom, 3.1m(10'2")Arm, 600mm(2')Shoe



A Overall width of upper structure	2,960mm(9'9")
B Overall width of cab	960mm(38")
C Overall height of cab	3,065mm(10'1")
D Tail swing radius	3,200mm(10'6")
E Overall height	3,365mm(11'1")
F Clearance under counterweight	1,175mm(3'10")
G Ground clearance	500mm(20")
H Tumbler distance	4,010mm(13'2")
I Track length	4,930mm(16'2")
J Track gauge (Standard Track)	2,600mm(8'6")
J' Track gauge (Narrow Track)	2,400mm(7'10")
K Track shoe width	600mm(24")
L Overall length	10,620mm(34'10")
M Overall track width with 600mm(24") shoe	3,200mm(10'6")

WORKING RANGE



DIGGING FORCE (Maximum Radial Tooth Force)

	3.1m(10'2") Arm	2.5m(8'2") Arm	3.75m(12'4") Arm
Bucket digging force *	18,100kgf	18,100kgf	18,100kgf
	177kN	177kN	177kN
	39,900lbf	39,900lbf	39,900lbf
Arm digging force *	13,400kgf	16,200kgf	12,200kgf
	131kN	159kN	119kN
	29,500lbf	35,700lbf	26,800lbf

*At power boost

Boom length	6,245mm(20'6")		
Arm length	3.1m(10'2")	2.5m(8'2")	3.75m(12'4")
A. Max. digging reach	10,735mm(35'3")	10,155mm(33'4")	11,290mm(37'0")
B. Max. digging reach at ground level	10,540mm(34'7")	9,950mm(32'8")	11,105mm(36'5")
C. Max. digging depth	7,330mm(24'1")	6,730mm(22'1")	7,980mm(26'2")
D. Max. digging height	10,345mm(33'11")	9,985mm(32'9")	10,520mm(34'6")
E. Max. dumping height	7,290mm(23'11")	6,960mm(22'10")	7,475mm(24'6")
F. Max. vertical wall digging depth	6,145mm(20'2")	5,370mm(17'7")	6,745mm(22'2")
G. Max. digging depth (8' level)	7,150mm(23'5")	6,505mm(21'4")	7,810mm(25'7")

SOLAR300LC-7

Standard & 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
- Adjustable suspension seat with head rest and adjustable arm rest
- Pull-up type front window and removable lower front window
- Room light
- Cigarette lighter and ashtray
- Graphic display monitor
- Serial communication port for laptop PC interface
- Joystick lever with 2 switches
- Floor mat
- Air conditioner
- Radio Cassette
- Engine speed(RPM) control dial
- Intermittent windshield wiper
- 12V spare power socket
- Electrical control access box

Safety

- Large handrails and step
- Punched metal anti-slip plates
- Seat belt
- Hydraulic safety lock lever
- Safety glass
- Right and left rearview mirrors
- 360 degree fan guard

Others

- Double element air cleaner
- Pre-cleaner
- Water separator
- Dust screen for radiator
- Engine overheat prevention system
- Engine restart prevention system
- Self-diagnostic system
- Alternator (24V, 50 A)
- Electric horn
- Halogen working lights
(frame mounted 2, boom mounted 2)
- Hydraulic track adjuster
- Track guards
- Double fuel filter
- Electric fuel supply pump

OPTIONAL EQUIPMENT

Safety

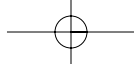
- Boom and arm hose rupture protection valve
- Cabin/Front lower guard

Cabin & Interior

- Hot & Cool box
- Cup Holder
- Hammer for emergency escape

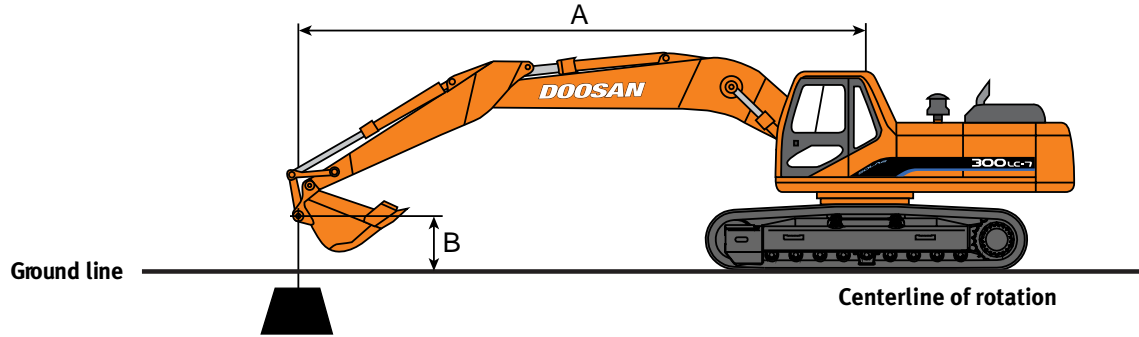
Others

- Piping for hammer (one way)
- Greased and sealed track link
- Additional work lights on the cabin
(2 front lamps)
- Large capacity alternator (24V, 80A)



SOLAR300LC-7

Lifting Capacity



Metric

Boom : 6,245mm(20'6") Arm : 3,100mm(10'2") Bucket : SAE 1.27m³(1.667yd³) CECE 1.1m³ Shoe : 600mm(2')

Unit : 1,000 kg

A(m) B(m)	2		3		4		5		6		7		8		9		Max.Reach		A(m)		
8												*4.49	*4.49					*4.21	*4.21	@7.10	
7												*5.07	*5.07					*4.17	*4.17	@7.84	
6												*5.28	*5.28	*5.34	5.20			*4.22	*4.22	@8.40	
5									*5.94	*5.94	*5.69	*5.69	*5.55	5.13				*4.33	4.32	@8.81	
4							*7.70	*7.70	*6.81	*6.81	*6.25	*6.25	*5.90	5.03	*4.96	4.10		*4.51	4.03	@9.09	
3			*11.40	*11.40	*11.86	*11.86	*9.24	*9.24	*7.79	7.76	*6.90	6.10	*6.32	4.92	*5.96	4.03		*4.76	3.84	@9.26	
2			*5.12	*5.12	*14.24	13.97	*10.72	9.89	*8.76	7.50	*7.55	5.92	*6.76	4.80	*6.24	3.96		*5.10	3.75	@9.31	
1			*5.43	*5.43	*15.36	13.51	*11.91	9.57	*9.61	7.28	*8.15	5.77	*7.17	4.70	6.32	3.90		*5.55	3.73	@9.25	
0 (Ground)			*7.31	*7.31	*14.79	13.27	*12.73	9.36	*10.25	7.12	*8.63	6.66	*7.50	4.62	6.27	3.85		*6.16	3.80	@9.08	
-1	*6.80	*6.80	*9.73	*9.73	*16.36	13.17	*13.16	9.24	*10.65	7.02	*8.94	5.58	7.46	4.57				6.46	3.96	@8.80	
-2	*9.53	*9.53	*12.58	*12.58	*16.79	13.17	*13.21	9.20	*10.77	6.97	*9.03	5.54	7.44	4.55				6.94	4.25	@8.38	
-3	*12.45	*12.45	*15.97	*15.97	*16.19	13.24	*12.90	9.23	*10.58	6.98	*8.83	5.56						*7.65	4.74	@7.81	
-4	*15.78	*15.78	*19.44	*19.44	*15.11	13.37	*12.15	9.31	*9.96	7.05	*8.18	5.63						*8.08	5.56	@7.06	
-5	*19.81	*19.81	*16.98	*16.98	*13.36	*13.36	*10.77	9.48	*8.65	7.20								*8.56	7.13	@6.04	
-6					*10.46	*10.46													*9.04	*9.04	@4.60

Feet

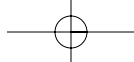
Unit : 1,000 lb

A(ft) B(ft)	10'		15'		20'		25'		30'		Max.Reach		A(ft)	
25'												*9.22	*9.22	@24.30
20'							*11.65	*11.65				*9.29	*9.29	@27.42
15'					*13.78	*13.78	*12.70	12.18				*9.70	9.21	@29.36
10'	*29.52	*29.52	*22.18	*22.18	*16.84	16.72	*14.30	11.75	*11.72	8.66	*10.47	8.48	@30.35	
5'	*11.77	*11.77	*27.93	24.57	*19.91	15.91	*16.01	11.31	13.66	8.44	*11.68	8.22	@30.49	
0 (Ground)	*16.64	*16.64	*31.30	23.67	*22.19	15.33	*17.39	10.97			*13.57	8.37	@29.80	
-5'	*25.09	*25.09	*32.25	23.36	*23.27	15.05	17.68	10.79			14.73	9.03	@28.20	
-10'	*36.14	*36.14	*31.15	23.44	*22.86	15.04	*17.42	10.83			*16.91	10.52	@25.53	
-15'	*39.51	*39.51	*27.63	23.86	*20.17	15.34					*18.41	13.93	@21.38	
-20'											*20.02	*20.02	@14.50	

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





Metric Boom : 6,245mm(20'6") Arm : 2,500mm(8'2") Bucket : SAE 1.5m³(1.96yd³) CECE 1.3m³ Shoe : 600mm(2") Unit : 1,000 kg

A(m) B(m)	2		3		4		5		6		7		8		Max. Reach					
																	A(m)			
8																	*5.76	*5.76	@6.25	
7												*5.81	*5.81				*5.83	*5.83	@7.08	
6									*6.05	*6.05	*5.94	*5.94					*5.95	5.47	@7.70	
5							*7.34	*7.34	*6.70	*6.70	*6.30	*6.30	*6.11	5.05			*6.10	4.90	@8.14	
4					*10.86	*10.86	*8.72	*8.72	*7.54	*7.54	*6.82	6.19	*6.39	4.97			*6.28	4.53	@8.45	
3					*13.50	*13.50	*10.21	10.10	*8.46	7.65	*7.42	6.03	*6.76	4.87			*6.49	4.31	@8.62	
2					*14.70	13.66	*11.55	9.73	*9.35	7.41	*8.01	5.87	*7.14	4.77			*6.73	4.19	@8.68	
1					*12.92	*12.92	*12.53	9.48	*10.08	7.23	*8.52	5.74	*7.48	4.69			6.76	4.18	@8.62	
O (Ground)					*14.52	13.24	*13.10	9.32	*10.58	7.10	*8.89	5.65	*7.52	4.63			6.94	4.28	@8.43	
-1	*7.63	*7.63	*10.63	*10.63	*16.91	13.23	*13.29	9.26	*10.81	7.03	*9.07	5.60	7.49	4.60			7.32	4.50	@8.13	
-2	*11.51	*11.51	*14.74	*14.74	*16.42	13.27	*13.11	9.26	*10.75	7.02	*9.00	5.59					7.99	4.90	@7.67	
-3	*15.45	*15.45	*19.51	*19.51	*15.52	13.38	*12.54	9.32	*10.32	7.07	*8.55	5.64					*8.47	5.59	@7.05	
-4	*20.04	*20.04	*17.69	*17.69	*14.09	13.56	*11.46	9.45	*9.34	7.18							*8.95	6.85	@6.20	
-5			*14.69	*14.69	*11.81	*11.81	*9.46	*9.46									*9.45	*9.45	@5.01	
-6					*10.46	*10.46														

Feet Unit : 1,000 lb

A(ft) B(ft)	10'		15'		20'		25'		Max. Reach				
											A(ft)		
25'											*12.74	*12.74	@21.63
20'						*13.20	*13.20	*13.08	12.28	*13.09	12.21		@25.09
15'				*18.60	*18.60	*15.38	*15.38	*13.89	12.02	*13.61	10.41		@27.19
10'				*24.80	*24.80	*18.29	16.48	*15.32	11.63	*14.29	9.51		@28.27
5'				*29.85	24.20	*21.06	15.75	*16.82	11.25	14.85	9.20		@28.42
O (Ground)	*15.20	*15.20	*32.13	23.58	*22.89	15.29	17.87	10.98	15.30	9.43			@27.67
-5'	*28.59	*28.59	*32.12	23.47	*23.42	15.11	17.77	10.89	16.81	10.32			@25.94
-10'	*42.75	*42.75	*30.11	23.69	*22.27	15.22			*18.72	12.42			@23.00
15'	*35.17	*35.17	*25.28	24.28					*20.37	17.92			@18.28

Metric Boom : 6,245mm(20'6") Arm : 3,750mm(12'4") Bucket : SAE 1.05m³(1.37yd³) CECE 0.9m³ Shoe : 600mm(2") Unit : 1,000 kg

A(m) B(m)	2		3		4		5		6		7		8		9		Max. Reach				
																			A(m)		
8																			*3.88	*3.88	@7.86
7													*4.66	*4.66					*3.85	*3.85	@8.53
6													*4.78	*4.78	*4.03	*4.03	*3.88	*3.88			@9.05
5											*5.10	*5.10	*5.06	*5.06	*5.07	4.32	*3.97	3.96			@9.43
4									*6.07	*6.07	*5.70	*5.70	*5.45	5.19	*5.31	4.25	*4.11	3.72			@9.69
3				*14.10	*14.10	*10.14	*10.14	*8.21	*8.21	*7.10	*7.10	*6.39	6.28	*5.92	5.07	*5.61	4.17	*4.32	3.56		@9.85
2				*10.46	*10.46	*12.76	*12.76	*9.82	*9.82	*8.15	7.72	*7.11	6.10	*6.42	4.94	*5.95	4.08	*4.58	3.48		@9.90
1				*7.58	*7.58	*14.84	13.88	*11.22	9.83	*9.12	7.47	*7.79	5.92	*6.90	4.82	*6.28	4.00	*4.94	3.46		@9.84
O (Ground)	*4.32	*4.32	*8.04	*8.04	*16.18	13.50	*12.28	9.55	*9.91	7.27	*8.38	5.78	*7.32	4.72	6.35	3.94	*5.41	3.51			@9.68
-1	*6.37	*6.37	*9.58	*9.58	*16.62	13.30	*12.96	9.37	*10.48	7.13	*8.81	5.68	7.54	4.65	6.30	3.89	5.89	3.63			@9.42
-2	*8.55	*8.55	*11.70	*11.70	*17.04	13.22	*13.28	9.28	*10.79	7.05	*9.05	5.61	7.49	4.61	6.28	3.87	6.25	3.85			@9.03
-3	*10.96	*10.96	*14.37	*14.37	*16.77	13.23	*13.23	9.26	*10.81	7.02	*9.06	5.59	7.49	4.60			6.84	4.21			@8.51
-4	*13.72	*13.72	*17.73	*17.73	*16.04	13.32	*12.78	9.30	*10.48	7.05	*8.75	5.62					*7.54	4.80			@7.82
-5	*17.03	*17.03	*19.13	*19.13	*14.76	13.48	*11.85	9.41	*9.69	7.14							*8.03	5.81			@6.92
-6	*21.27	*21.27	*16.23	*16.23	*12.67	*12.67	*10.13	9.61									*8.62	7.89			@5.70

Feet Unit : 1,000 lb

A(ft) B(ft)	10'		15'		20'		25'		30'		Max. Reach										
													A(ft)								
25'																					
20'							*10.05	*10.05					*8.50	*8.50	@26.69						
15'							*10.37	*10.37					*8.54	*8.54	@29.55						
10'							*11.59	*11.59					*11.38	9.19	*8.88	8.48	@31.36				
5'	*29.91	*29.91	*19.40	*19.40	*15.36	*15.36	*13.34	12.11	*12.27	8.95	*9.49	7.87					@32.29				
O (Ground)	*18.32	*18.32	*30.20	24.12	*21.47	15.66	*16.93	11.22	13.67	8.46	*11.92	7.73					@31.77				
-5'	*23.91	*23.91	*32.20	23.58	*23.11	15.25	17.84	10.96	13.53	8.34	13.35	8.23					@30.28				
-10'	*32.51	*32.51	*32.08	23.48	*23.39	15.12	17.77	10.89									15.16	9.34			@27.81
-15'	*43.60	*43.60	*29.76	23.74	*21.87	15.28											*17.23	11.69			@24.06
-20'	*34.57	*34.57	*24.03	*24.03													*19.14	18.10			@18.25

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

: Rating Over Front
 : Rating Over Side or 360 degree

