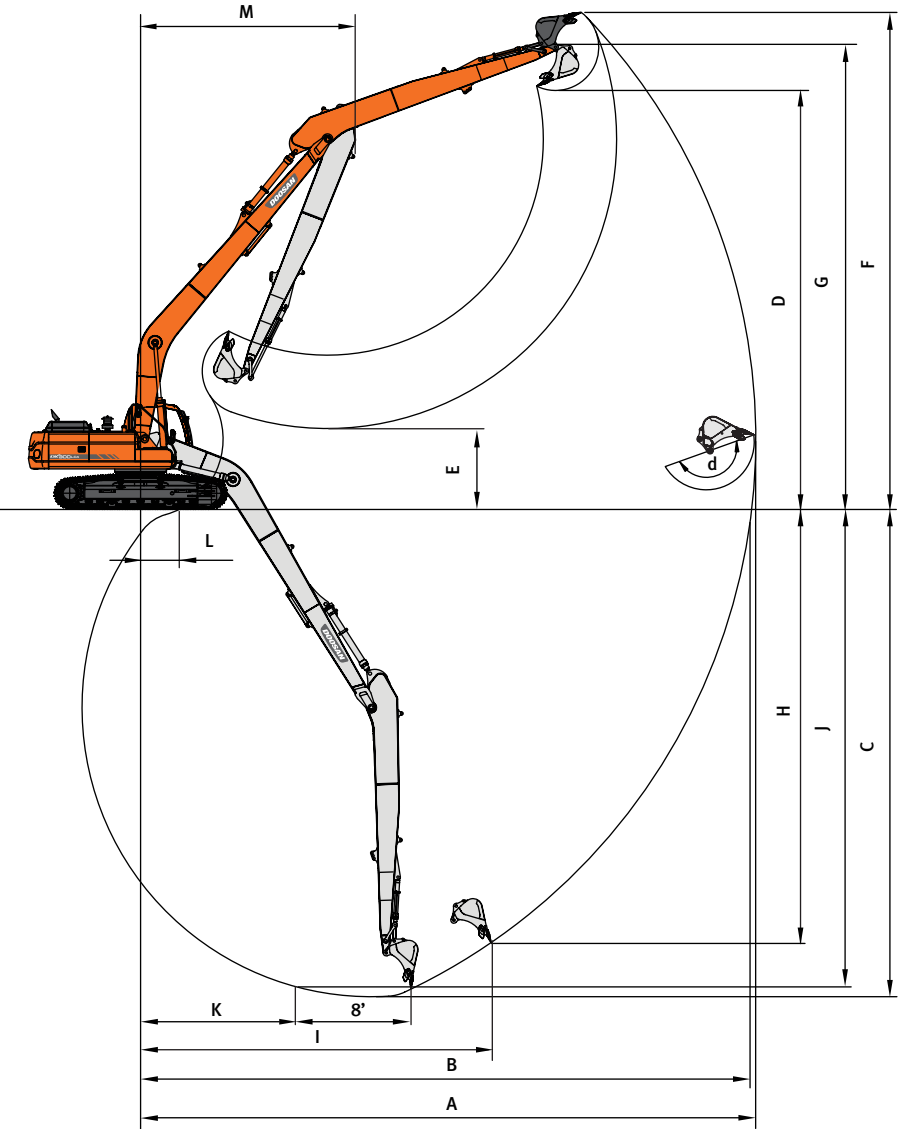


WORKING RANGES

DX300LCA SLR

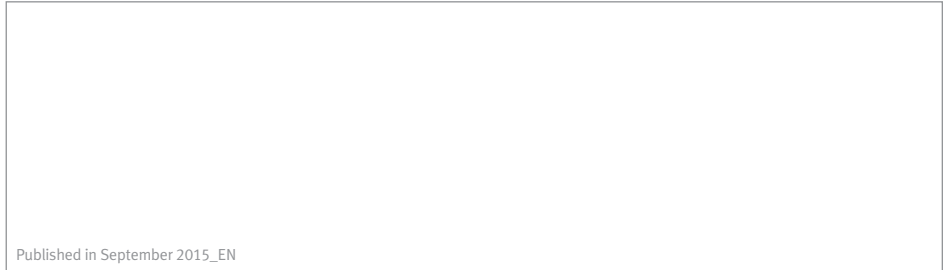


Working Ranges

BOOM TYPE (ONE PIECE)	(mm)		10,000
ARM TYPE	(mm)		7,000
BUCKET TYPE (PCSA)	(m ³)		0.64
MAX. DIGGING REACH	(mm)	A	17,520
MAX. DIGGING REACH (GROUND)	(mm)	B	17,405
MAX. DIGGING DEPTH	(mm)	C	13,875
MAX. LOADING HEIGHT	(mm)	D	11,930
MIN. LOADING HEIGHT	(mm)	E	2,310
MAX. DIGGING HEIGHT	(mm)	F	14,155
MAX. BUCKET PIN HEIGHT	(mm)	G	13,165
MAX. VERTICAL WALL DEPTH	(mm)	H	11,630
MAX. RADIUS VERTICAL	(mm)	I	10,905
MAX. DEPTH TO 8° LINE	(mm)	J	13,790
MIN. RADIUS 8° LINE	(mm)	K	5,380
MIN. DIGGING REACH	(mm)	L	1,095
MIN. SWING RADIUS	(mm)	M	6,125
BUCKET ANGLE	(deg)	d	169



A Solid Promise



Published in September 2015_EN

Materials and Specifications in the catalogue are subject to change without notice.

DOOSAN

Construction Equipment

DX300LCA SLR

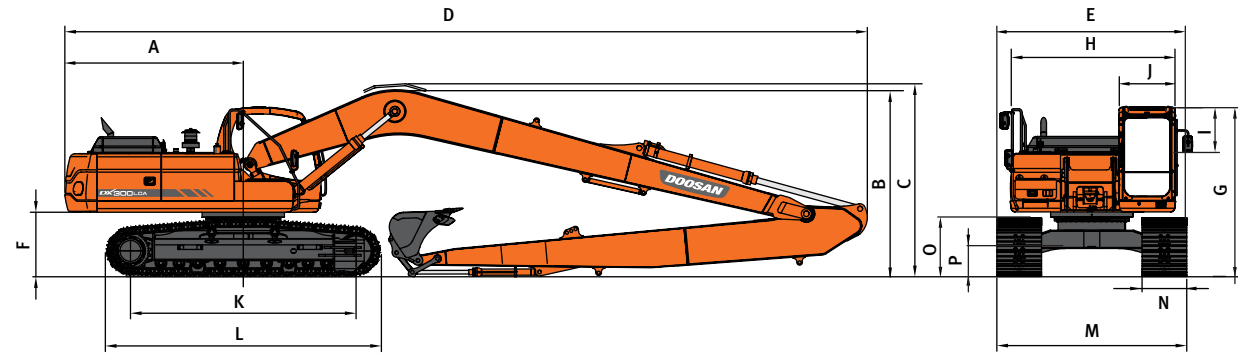
Engine Power	SAE J1349, net 147kW (197HP) @ 1,900rpm
Operational Weight	30,900kg
Bucket / PCSA	0.64m ³ (0.83cu.yd)



Doosan Infracore Korea Office (HQ)
27/F, Doosan Tower 18-12, Euljiro-6Ga, Jung-Gu
Seoul 100-730 Korea
Tel : 82 2 3398 8114

www.doosaninfracore.com/ce/

DIMENSIONS



Dimensions

BOOM TYPE (ONE PIECE)	(mm)	10,000
ARM TYPE	(mm)	7,000
BUCKET TYPE (PCSA)	(m ³)	0.64
TAIL SWING RADIUS	(mm) A	3,200
SHIPPING HEIGHT (BOOM)	(mm) B	3,427
SHIPPING HEIGHT (HOSE)	(mm) C	3,455
SHIPPING LENGTH	(mm) D	14,370
SHIPPING WIDTH (STD.)	(mm) E	3,200
C/WEIGHT CLEARANCE	(mm) F	1,150
HEIGHT OVER CAB.	(mm) G	3,065
HOUSE WIDTH	(mm) H	2,960
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	3,400
SHOE WIDTH	(mm) N	800
TRACK HEIGHT	(mm) O	1,048
CAR BODY CLEARANCE	(mm) P	500

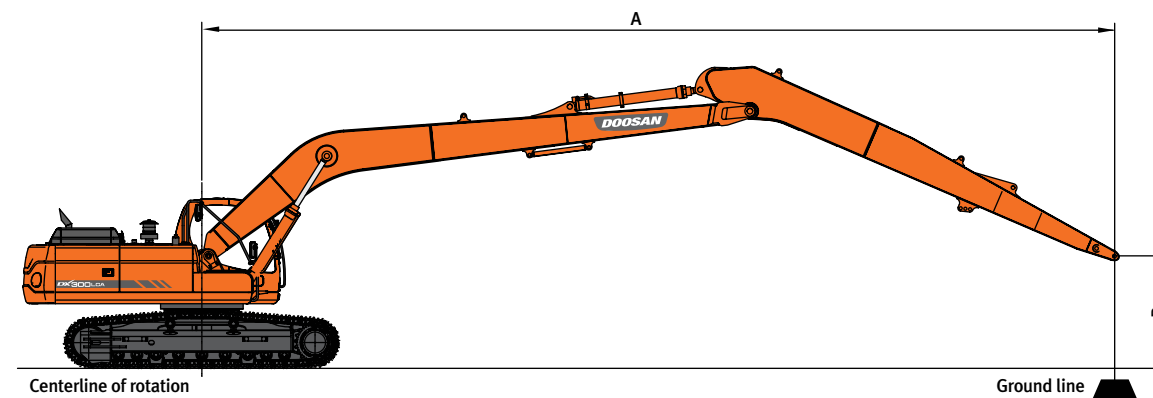
Digging Force (ISO)

BUCKET (PCSA)	0.64m ³
DIGGING FORCE	10,160kgf
	99.6kN
	22,400lbf
ARM	7,000mm
	7,400kgf
DIGGING FORCE	72.6kN
	16,300lbf

Weight

Boom : 10,000mm (32'10")	Arm : 7,000mm (22'11")	Bucket : PCSA 0.64m ³ (0.84 yd ³)	Shoe : 600mm (24")
SHOE TYPE	SHOE WIDTH	OPERATING WEIGHT	GROUND PRESSURE (kgf/cm ²)
	600mm (24")(Std.)	30,000kg (66,140lb)	0.57kgf/cm ² (56kpa, 8.1psi)
TRIPLE GROUSER	700mm (28")(Opt.)	30,500kg (67,240lb)	0.50kgf/cm ² (49kpa, 7.1psi)
	800mm (32")(Opt.)	30,900kg (68,120lb)	0.44kgf/cm ² (43kpa, 6.3psi)
	850mm (34")(Opt.)	31,200kg (68,790lb)	0.42kgf/cm ² (41kpa, 6.0psi)

LIFTING CAPACITY



Boom : 10,000mm Arm : 7,000mm Bucket : PCSA 0.64m³ Shoe : 800mm

Metric unit : 1,000kg

A(m)	B(m)																Max. Reach A(m)																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																			
8													2.22*	2.22*	2.15*	2.14	1.37*	1.37*	0.94*	0.94*	15.37														
7													2.31*	2.31*	2.30*	2.1	1.74*	1.74*	0.95*	0.95*	15.73														
6													2.46*	2.46*	2.41*	2.41	2.38*	2.04	2.04*	1.73	0.97*	0.97*	16.01												
5													2.72*	2.72*	2.62*	2.62*	2.54*	2.33	2.48*	1.98	2.29*	1.68	1.29*	1.29*	0.98*	0.98*	16.23								
4													3.36*	3.36*	3.12*	3.12*	2.94*	2.94*	2.79*	2.63	2.68*	2.24	2.58*	1.91	2.52*	1.63	1.53*	1.38	1.00*	1.00*	16.38				
3				5.76*	5.76*	9.24*	9.24*	6.92*	6.92*	5.59*	5.59*	4.74*	4.74*	4.16*	4.16*	3.73*	3.73*	3.41*	3.41*	3.17*	2.95	2.98*	2.51	2.82*	2.15	2.70*	1.84	2.61*	1.58	1.71*	1.34	1.03*	1.03*	16.48	
2				3.75*	3.75*	7.39*	7.39*	8.24*	8.24*	6.49*	6.49*	5.39*	5.39*	4.64*	4.64	4.11*	3.88	3.71*	3.28	3.40*	2.8	3.16*	2.4	2.97*	2.06	2.82*	1.77	2.71*	1.52	1.83*	1.3	1.08*	1.08*	16.51	
1				3.70*	3.70*	5.93*	5.93*	9.34*	8.19	7.30*	6.44	5.99*	5.24	5.10*	4.34	4.47*	3.65	4.00*	3.11	3.63*	2.66	3.35*	2.29	3.13*	1.97	2.95*	1.7	2.7	1.47	1.88*	1.26	1.13*	1.13*	16.47	
0 (Ground)				4.12*	4.12*	5.70*	5.70*	8.41*	7.65	7.96*	6.01	6.52*	4.9	5.52*	4.08	4.80*	3.45	4.27*	2.94	3.85*	2.53	3.53*	2.18	3.27*	1.89	2.98	1.64	2.65	1.42	1.85*	1.23	1.19*	1.16	16.38	
1	4.06*	4.06*	4.66*	4.66*	5.92*	5.92*	8.05*	7.3	8.48*	5.7	6.96*	4.64	5.88*	3.87	5.10*	3.28	4.51*	2.8	4.06*	2.41	3.70*	2.09	3.29	1.81	2.92	1.58	2.6	1.37	1.70*	1.2	1.27*	1.16	16.23		
2	4.69*	4.69*	5.25*	5.25*	6.34*	6.34*	8.16*	7.09	8.84*	5.49	7.29*	4.45	6.18*	3.7	5.35*	3.13	4.72*	2.69	4.16	2.32	3.65	2.01	3.23	1.75	2.87	1.53	2.57	1.34	1.38*	1.17	1.36*	1.17	16.01		
3	5.32*	5.32*	5.88*	5.88*	6.89*	6.89*	8.53*	6.98	9.09*	5.36	7.54*	4.31	6.41*	3.58	5.46	3.03	4.69	2.59	4.08	2.24	3.58	1.95	3.17	1.7	2.83	1.49	2.54	1.31			1.48*	1.2	15.72		
4	5.96*	5.96*	6.54*	6.54*	7.52*	7.52*	9.08*	6.93	9.22*	5.28	7.70*	4.23	6.39	3.5	5.38	2.95	4.62	2.52	4.02	2.18	3.53	1.9	3.13	1.66	2.8	1.46	2.46*	1.29			1.62*	1.24	15.36		
5	6.62*	6.62*	7.23*	7.23*	8.23*	8.23*	9.77*	6.94	9.25*	5.26	7.75	4.19	6.34	3.45	5.33	2.9	4.57	2.48	3.98	2.15	3.5	1.87	3.11	1.64	2.79	1.45					1.80*	1.31	14.93		
6	7.31*	7.31*	7.97*	7.97*	9.00*	9.00*	10.58*	6.99	9.19*	5.27	7.74	4.18	6.32	3.43	5.31	2.88	4.55	2.46	3.96	2.13	3.49	1.86	3.11	1.64	2.8	1.46					2.03*	1.4	14.41		
7	8.03*	8.03*	8.76*	8.76*	9.86*	9.86*	10.88*	7.08	9.04*	5.32	7.67*	4.21	6.34	3.45	5.32	2.89	4.56	2.47	3.97	2.14	3.5	1.87													
8	8.79*	8.79*	9.61*	9.61*	10.82*	10.45	10.51*	7.21	8.78*	5.41	7.49*	4.27	6.38	3.49	5.35	2.92	4.59	2.5	4	2.16	3.54	1.9													
9	9.60*	9.60*	10.53*	10.53*	11.89*	10.69	10.00*	7.37	8.40*	5.53	7.20*	4.36	6.25*	3.56	5.42	2.99	4.65	2.55	4.06	2.22	3.61	1.97													
10	10.47*	10.47*	11.55*	11.55*	11.35*	10.99	9.32*	7.58	7.87*	5.69	6.77*	4.49	5.89*	3.67	5.15*	3.08	4.52*	2.65	3.94*	2.32															
11	11.39*	11.39*	12.67*	12.67*	10.19*	10.19*	8.43*	7.84	7.16*	5.89	6.17*	4.66																							
12			10.83*	10.83*	8.68*	8.68*	7.25*	7.25*	6.18*	6.16	5.30*	4.89																							
13							4.76*	4.76*																											

Feet unit : 1,000lb

A(ft)	B(ft)																Max. Reach A(ft)																			
	10	15	20	25	30	35	40	45	50	Max. Reach																										
30																																				
25																																				
20																																				
15																																				
10	13.85*	13.85*	16.88*	16.88*	12.01*	12.01*	9.54*	9.54*	8.08*	8.08*	7.12*	6.87	5.37*	5.37*	4.32*	4.32*																				
5	8.22*	8.22*	19.74*	19.74*	10.63	10.63	9.28*	8.11	7.97*	6.34	7.08*	5.02	6.01*	4.25	5.56*	3.35	2.17*	2.17*	2.27*	2.27*	54.04															
0 (Ground)	9.21*	9.21*	15.58*	15.58*	17.19*	17.19*	12.99	12.92*	9.63	10.40*	7.43	8.77*	5.86	7.66*	4.68	6.45*	4	5.85	3.18	2.42*	2.42*	54.13														
5	11.04*	11.04*	15.68*	15.68*	18.77*	12.04	14.16*	8.9	11.33*	6.89	9.47*	5.46	7.94	4.39	6.81	3.76	5.68	3.02	2.63*	2.56	53.75															
10	13.11*	13.11*	17.11*	17.11*	19.67*	11.53	15.01*	8.44	11.76	6.51	9.4	5.17	7.71	4.18	6.59	3.55	5.54	2.89	2.90*	2.56	52.89															
15	15.36*	15.36*	19.21*	17.61	20.03*	11.33	15.06	8.19	11.52	6.29	9.21	4.99	7.57	4.04	6.44	3.4	5.43*	2.8	3.27*	2.64	51.53															
20	17.82*	17.82*	21.84*	17.83	19.90*	11.35	14.99	8.13	11.43	6.21	9.13	4.92	7.52	4	6.35	3.32																				
25	20.55*	20.55*	25.03*	18.25	19.28*	11.56	15.1	8.23	11.49	6.26	9.18	4.97	7.59	4.06																						
30	23.65*	23.65*	23.72*	18.88	18.09*	11.93	14.41*	8.49	11.7	6.46	9.37	5.15																								
35	27.24*	27.24*	20.87*	19.76	16.12*	12.51	12.90*	8.92																												

- Load point is the end of the arm.
- Capacities marked with an asterisk(*) are limited by hydraulic capacities.
- Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
- The least stable position is over the side.
- Lift capacities are in compliance with ISO 10567.

TECHNICAL SPECIFICATIONS

DX300LCA SLR

Engine

Model	Doosan DE08TIS
Rated horse power	147kW (197HP) @ 1,900rpm (SAE J1349)
Piston displacement	8,071cc

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 9.9rpm
Max. swing torque	10,070kgf.m (72,836lbf.ft)

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)	5.1 / 3.0km/h (3.2 / 1.9mph)
Maximum traction force	13,700 / 25,200kgf (30,203 / 55,556lbf)
Gradeability	35° / 70%

Refill Capacities

Fuel tank	500 l (132.1US gal, 110.0Imp gal)
Cooling system (Radiator capacity)	35 l (9.2US gal, 7.7Imp gal)
Engine oil	31.5 l (8.3US gal, 6.9Imp gal)
Swing drive	6 l (1.6US gal, 1.3Imp gal)
Final drive (each)	6 l (1.6US gal, 1.3Imp gal)
Hydraulic system	310 l (81.9US gal, 68.2Imp gal)
Hydraulic tank	280