

DOOSAN

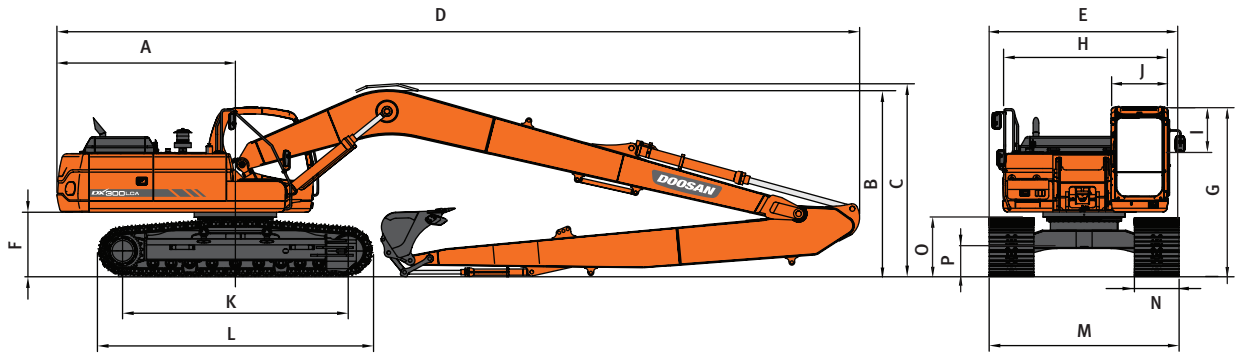
Construction Equipment

DX300LCA SLR

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



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
	10,160kgf
DIGGING FORCE	99.6kN
	22,400lbf
ARM	7,000mm
	7,400kgf
DIGGING FORCE	72.6kN
	16,300lbf

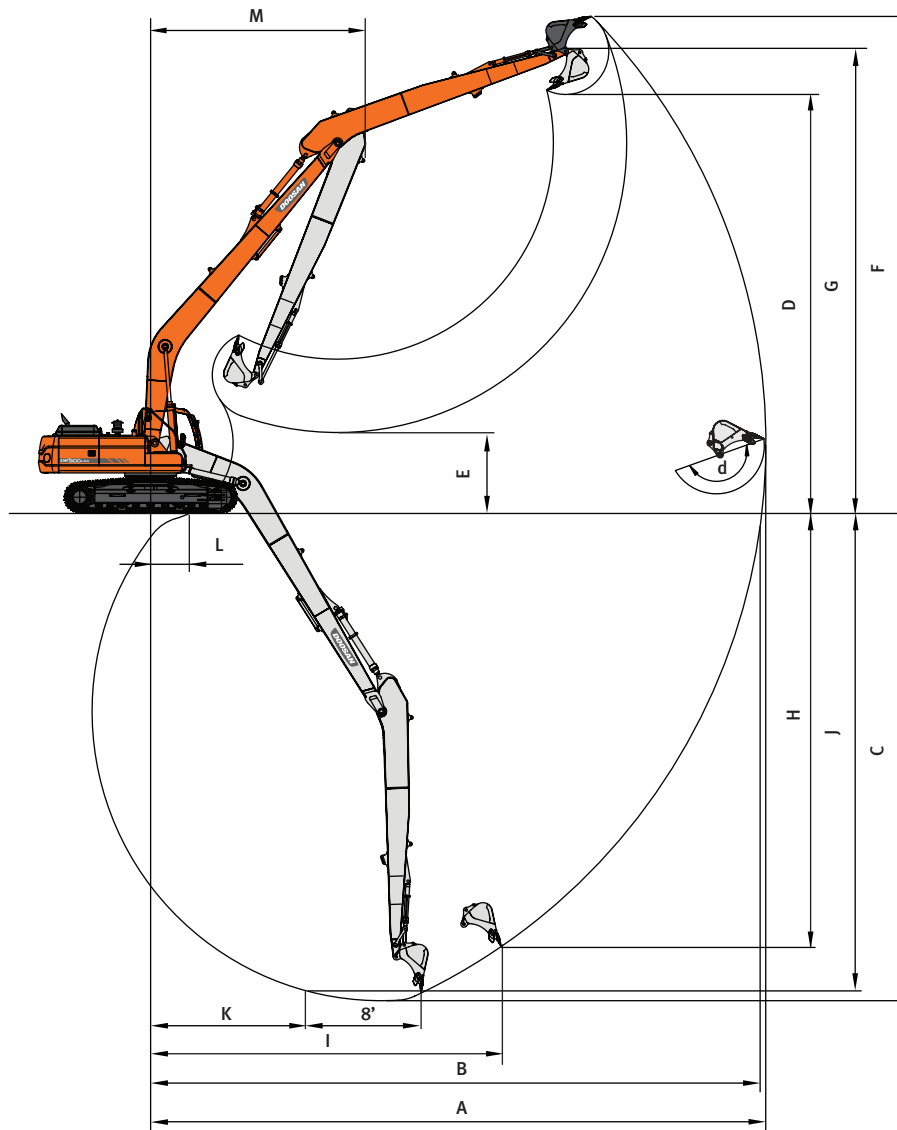
Weight

Boom : 10,000mm (32'10") Arm : 7,000mm (22'11") Bucket : PCSA 0.64m³ (0.84 yd³) Shoe : 600mm (24")

SHOE TYPE	SHOE WIDTH	OPERATING WEIGHT	GROUND PRESSURE (kgf/cm ²)
TRIPLE GROUSER	600mm (24")(Std.)	30,000kg (66,140lb)	0.57kgf/cm ² (56kpa, 8.1psi)
	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)

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

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 (72,836lb.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.

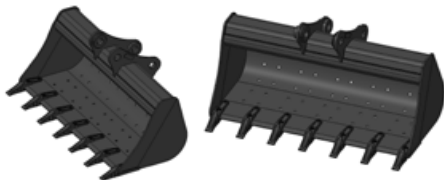
Travel speed (fast/slow)	5.1 / 3.0km/h (3.2 / 1.9mph)
Maximum traction force	13,700 / 25,200kgf (30,203 / 55,556lb)
Gradeability	35° / 70%

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)	7 ℓ (1.8US gal, 1.5Imp gal)
Hydraulic system	310 ℓ (81.9US gal, 68.2Imp gal)
Hydraulic tank	280 ℓ (74.0US gal, 61.6Imp gal)

Options

0.45m³ bucket-ditch cleaning
0.54m³ bucket-ditch cleaning
0.51m³ GP bucket



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

Tandem axial piston pumps
Max flow : 2 x 247 ℓ /min (2 x 65.3US gpm, 2 x 54.3Imp gpm)

Pilot pump

Gear pump - max flow : 28.5 ℓ /min (7.5US gpm, 6.3Imp gpm)

Main relief pressure

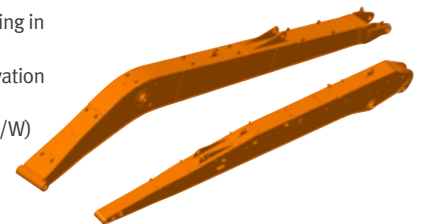
Boom / arm / Bucket
- Normal mode : 330kgf/cm² (324bar)
- Power mode : 350kgf/cm² (343bar)
Travel : 330kgf/cm² (324bar)
Swing : 275kgf/cm² (270bar)

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	140 x 95 x 1440mm
Arm	1	150 x 105 x 1755mm
SLR. Bucket	1	95 x 65 x 900mm

Doosan SLR kit is designed for using in drainage canal construction and preservation and Light duty excavation at long distance.
(should be equipped additional C/W)



Bucket

Capacity		Width		Weight	Recommendation
PCSA, heaped	CECE heaped	Without side cutters	With side cutters		10,000mm (32'10") Boom
0.64m ³ (0.84yd ³)	0.55m ³ (0.72yd ³)	1,083mm (3'7")	1,167mm (3'10")	445kg (981lb)	7,000m (22'11") Arm
					C

Based on ISO 10567 and SAE J296, arm length without quick change clamp

A : Suitable for materials with density of 2,100kg/m³ (3500lb/yd³) or less
B : Suitable for materials with density of 1,800kg/m³ (3000lb/yd³) or less
C : Suitable for materials with density of 1,500kg/m³ (2500lb/yd³) or less
D : Suitable for materials with density of 1,200kg/m³ (2000lb/yd³) or less

A Solid Promise



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Published in September 2015_EN

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