

Technical Data

Engine

Model DOOSAN DE08TIS
 Displacement (Total dis. volume) 8,071 cc (2.1 gallon)
 Rated flywheel horse power
 DIN 6271, net 147KW (200PS)
 at 1,900 rpm
 SAE J1349, net 147KW (197HP)
 at 1,900 rpm

Hydraulic system

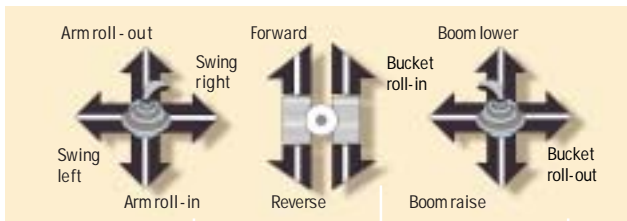
e-EPOS (Electronic Power Optimizing System) allows the operator to maximize work efficiency over a full range of operating conditions and to minimize fuel consumption.

- 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.

Pumps type variable displacement axial piston
 Max. flow rate 2 × 250 ℓ / min (2 × 66 gallon)
 Main relief set pressure
 Boom/Arm/ Bucket Normal : 330kgf/cm² (4,690 psi)
 Power Boost : 350kgf/cm² (4,970 psi)
 Travel circuit 330kgf/cm² (4,690 psi)

Controls. 2 implement levers

Lever control type Hydraulic pilot
 Lever pattern ISO



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 with floating seals and sprockets. Track shoes of induction-hardened rolled alloy with triple grousers. Specially heat-treated connecting pins. Track adjusters with shock-absorbing recoil springs.

Using retract chasis ≥ 50 tons class to achieve high stability and productivity.

Shoe width 600mm (2')
 Tumbler distance 4,010mm (13'2")

Weight

Equipped with 10.0m(32'8")boom, 7.0m(23')arm, and 0.64m³(0.84yd³; PCSA heaped) bucket.

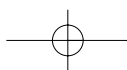
Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600mm (2')	30,700 kg (67,540 lb)	0.59kgf/cm ² (58kpa, 8.4psi)
	700mm (2'4")	31,300 kg (68,860 lb)	0.52kgf/cm ² (51kpa, 7.3psi)
	800mm (2'7")	31,700 kg (69,740 lb)	0.46kgf/cm ² (45kpa, 6.5psi)
	850mm (2'10")	31,900 kg (70,330 lb)	0.43kgf/cm ² (42kpa, 6.1psi)

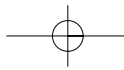
Service refill capacities

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

Buckets

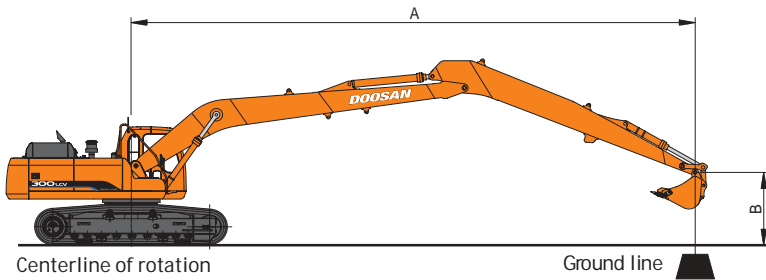
Capacity		Width		Weight	Recommendation
PCSA, heaped	CECE, heaped	Without side cutters	With side cutters		10.0m (32'8") Boom
					7.0m (23') Arm
0.64m ³ (0.84cu.yd)	0.55m ³ (0.72cu.yd)	1,060mm (3'6")	1,145mm (3'9")	478kg (1,054 lb)	-





Lifting Capacities

Standard



Boom : 10.0m (32'8")
 Arm : 7.0m (23')
 Bucket : PCSA 0.64m³ (CECE 0.55m³)
 Shoe : 600mm (2')

Metric

Unit : 1,000 kg

A (m)	2		3		4		5		6		7		8		9		10		11		12		14		15		16		Max. Reach		
	B (m)	0	90	180	0	90	180	0	90	180	0	90	180	0	90	180	0	90	180	0	90	180	0	90	180	0	90	180	A(m)		
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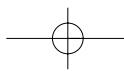
Feet

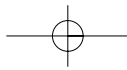
Unit : 1,000 lb

A (ft)	10'		15'		20'		25'		30'		35'		40'		45'		50'		Max. Reach		
	B (ft)	0	90	180	0	90	180	0	90	180	0	90	180	0	90	180	0	90	180	A(ft)	
40'																					
35'																					
30'																					
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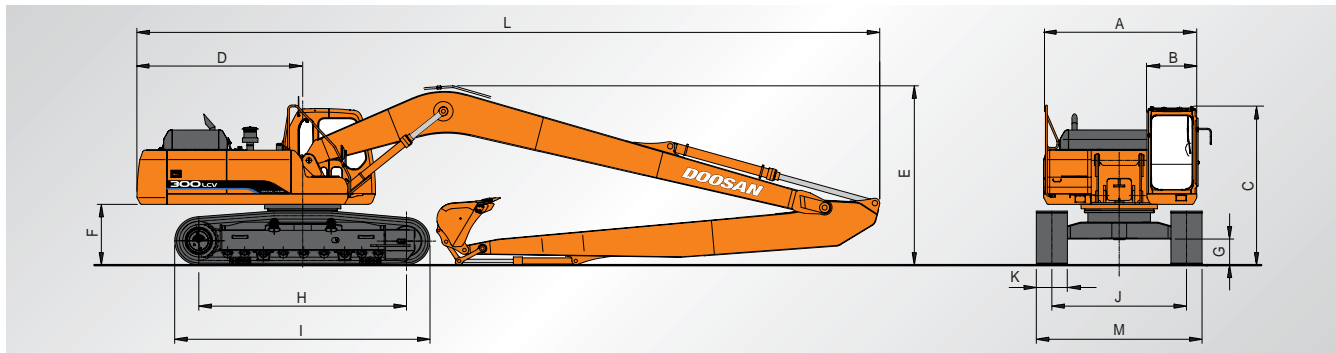
- Note 1. The load point is a hook located on the back of the bucket.
- Note 2. " * " Rated loads are based on hydraulic capacity.
- Note 3. Rated loads do not exceed 87% of hyd . capacity or 75% of tipping capacity.

☺ : Rating over front
 ☺☺ : Rating over side or 360 degree
 0 : Ground





Dimensions (10.0m(32'8") Boom, 7.0m(23') Arm, 600mm(2') Shoe)



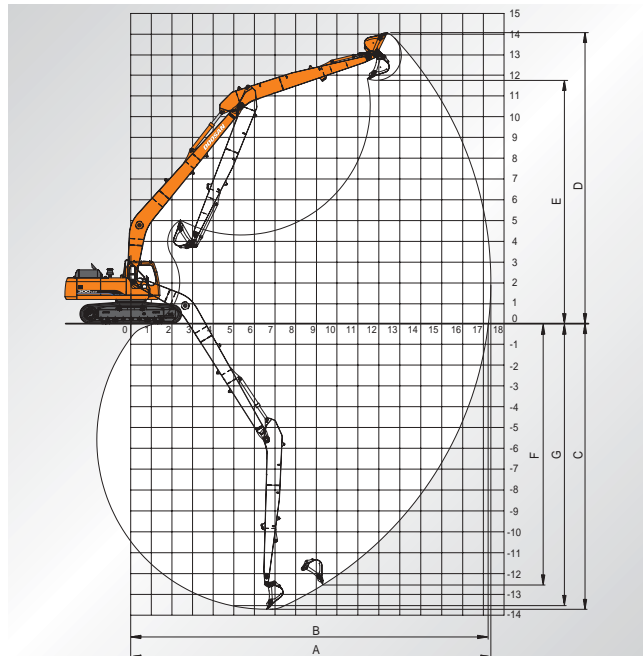
A Overall width of upper structure	2,960mm (9'9")
B Overall width of cab	1,500mm (4'11")
C Overall height of cab	3,065mm (10'1")
D Tail swing radius	3,200mm (10'6")
E Overall height	3,365mm (11'1")
F Clearance under counterweight	1,175mm (3'10")
G Ground clearance	500mm (1'8")
H Tumbler distance	4,010mm (13'2")
I Track length	4,930mm (16'2")
J Track gauge	2,600mm (8'6")
K Track shoe width	600mm (2')
L Overall length	14,345mm (47'1")
M Overall track width with 600mm(2') shoe	3,200mm (10'6")

Digging forces (Maximum radial tooth forces)

	7.0m (23') Arm
Bucket digging force *	8,300 kgf 81.5 kN 18,300 lbf
Arm digging force *	7,300 kgf 71.7 kN 16,100 lbf

*At power boost

Working ranges



	10.0m (32'8")
Boom length	10.0m (32'8")
Arm length	7.0m (23')
A. Max. digging reach	17,440mm (57'3")
B. Max. digging reach at ground level	17,320mm (56'10")
C. Max. digging depth	13,840mm (45'5")
D. Max. digging height	14,100mm (46'3")
E. Max. dumping height	11,790mm (38'8")
F. Max. vertical wall digging depth	12,590mm (41'4")
G. Max. digging depth (8' level)	13,680mm (44'11")



Doosan Infracore
www.doosaninfracore.com

The illustrations do not necessarily show the product in standard version.

All products and equipments are not available in all markets.

Materials and specifications are subjects to change without prior notice. PBP S300C50S 0703

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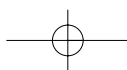
60C Electron Road, Isando 1600, Johannesburg, South Africa
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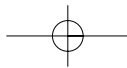
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Doosan Infracore
Construction Equipment

SOLAR300LCV SLR

Engine Power : DIN 6271,net 147kw(200ps)@1,950 rpm

SAE J1349,net 147kw(197HP)@1,950 rpm

Operational Weight : 30,700kg (67,681 lb)

Bucket capacity(PCSA) : 0.641m³(0.84 cu.yd)

