



Standard & Optional Equipment

SOLAR **255** LCV

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
- Air conditioner
- Adjustable suspension seat with head rest and adjustable arm rest
- Pull-up type front window and removable lower front window
- Room light
- Intermittent windshield wiper
- Cigarette lighter and ashtray
- Cup holder
- Hot & cool box
- Graphic display monitor
- Fuel control dial
- AM/FM Radio and cassette player
- Remote radio ON/OFF switch
- 12V spare power socket
- Serial communication port for laptop PC interface
- Joystick lever with 2 switches

Safety

- Large handrails and step
- Punched metal anti-slip plates
- Seat belt
- Hydraulic safety lock lever
- Safety glass
- Hammer for emergency escape
- 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, 60 amps)
- Electric horn
- Halogen working lights (frame mounted 2, boom mounted 2)
- Hydraulic track adjuster
- Track guards

Optional equipment

Safety

- Boom and arm hose rupture protection valve
- Overload warning device
- Cabin Top/Front guard (ISO 10262, FOGS standard)
- Travel alarm
- Travel & swing alarm
- Rotating beacon

Cabin & Interior

- Sunvisor
- Sun roof
- Joystick lever with 3 switches

Others

- 2.99m narrow track
- Piping for hammer (one way)
- Piping for rotation
- Double fuel filter
- Greased and sealed track link
- Additional work lights on the cabin (① 2 front lamps, ② 4 front and 2 rear lamps)
- Large capacity alternator (24V, 80A)
- Electric fuel supply pump



Boom and arm hose rupture protection valve



Sunvisor



Additional work lights on the cabin



Electric fuel supply pump

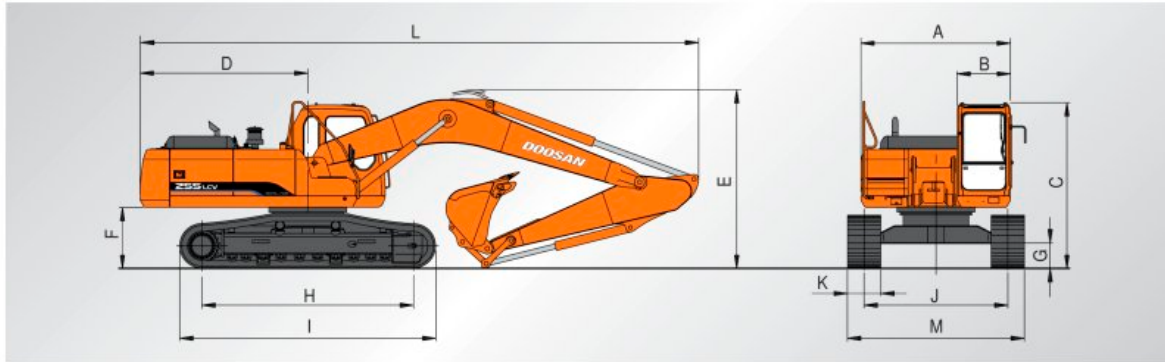


Rotating beacon



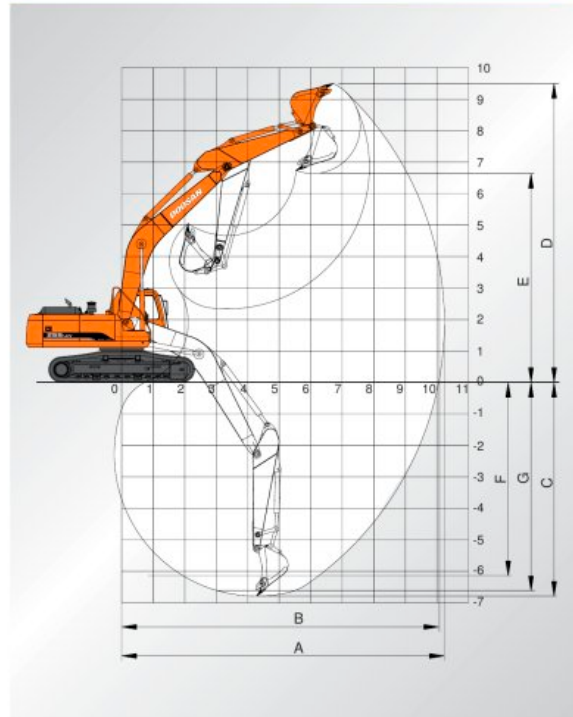
Dimensions & Working Ranges

Dimensions (5.9m(19' 4") Boom, 3.0m(9' 10") Arm, 600mm(24") Shoe)



A Overall width of upper structure	2,710mm(8'11")
B Overall width of cab	960mm(38")
C Overall height of cab	3,000mm(9'10")
D Tail swing radius	3,035mm(9'11")
E Overall height	3,250mm(10'8")
F Clearance under counterweight	1,110mm(3'8")
G Ground clearance	450mm(18")
H Tumbler distance	3,830mm(12'7")
I Track length	4,635mm(15'2")
J Track gauge (standard track)	2,600mm(8'6")
J' Track gauge (narrow track)	2,390mm(7'10")
K Track shoe width	600mm(24")
L Overall length	10,110mm(33'2")
M Overall track width (standard track)	3,200mm(10'6")
M' Overall track width (narrow track)	2,990mm(9'10")

Working ranges



Digging forces (Maximum radial tooth forces)

	3.0m (9'10") Arm	2.5m (8'2") Arm	3.5m (11'6") Arm
Bucket digging force *	15,200 kgf 149 kN 33,500 lbf	15,200 kgf 149 kN 33,500 lbf	15,200 kgf 149 kN 33,500 lbf
Arm digging force *	11,800 kgf 116 kN 26,000 lbf	13,800 kgf 135 kN 30,250 lbf	10,700 kgf 109 kN 24,400 lbf

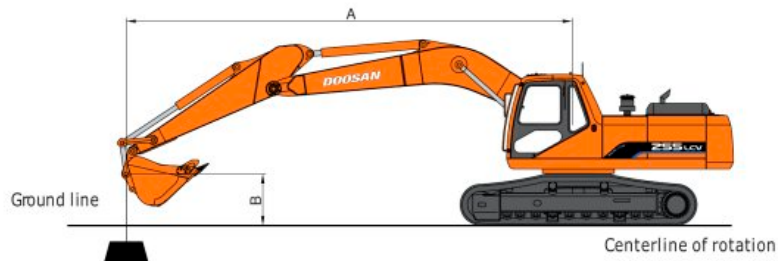
*At power boost

Boom length	5,900mm (19'4")		
Arm length	3.0m (9'10") Arm	2.5m (8'2") Arm	3.5m (11'6") Arm
A. Max. digging reach	10,240mm (33'7")	9,740mm (31'4")	10,710mm (35'2")
B. Max. digging reach at ground level	10,060mm (33')	9,560mm (31'11")	10,540mm (34'7")
C. Max. digging depth	6,790mm (22'3")	6,290mm (20'8")	7,290mm (23'11")
D. Max. digging height	9,500mm (31'2")	9,180mm (30'1")	9,720mm (31'11")
E. Max. dumping height	6,640mm (21'9")	6,360mm (20'10")	6,860mm (22'6")
F. Max. vertical wall digging depth	6,080mm (19'11")	5,360mm (17'7")	6,560mm (21'6")
G. Max. digging depth (8' level)	6,620mm (21'9")	6,090mm (19'12")	7,140mm (23'5")



Lifting Capacities

Standard



Boom : 5.9m (19'4")
 Arm : 3.0m (9'10")
 Bucket : PCSA 1.1m³ (CECE 0.95m³)
 Shoe : 600mm (24")

Metric

Unit : 1,000 kg

A (m)	2		3		4		5		6		7		8		Max. Reach		
B (m)	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	A (m)
7											*4.46	*4.46			*3.60	*3.60	7.33
6											*5.03	*5.03			*3.61	*3.61	7.94
5											*5.30	5.01	*4.94	3.99	*3.68	3.67	8.39
4									*6.16	*6.16	*5.71	4.92	*5.43	3.94	*3.81	3.41	8.70
3			*14.32	*14.32	*10.07	*10.07	*8.07	*8.07	*6.93	6.12	*6.21	4.81	*5.74	3.87	*4.00	3.25	8.88
2			*6.75	*6.75	*12.07	11.10	*9.28	7.84	*7.71	5.94	*6.72	4.69	5.79	3.80	*4.26	3.17	8.95
1			*5.86	*5.86	*13.51	10.73	*10.29	7.60	*8.40	5.79	7.04	4.59	5.72	3.74	*4.61	3.16	8.90
0 (Ground)			*7.18	*7.18	*14.28	10.52	*10.97	7.44	8.86	5.67	6.95	4.51	5.66	3.69	4.94	3.22	8.74
-1	*6.21	*6.21	*9.31	*9.31	*14.50	10.43	*11.31	7.35	8.78	5.60	6.90	4.46	5.63	3.66	5.18	3.37	8.46
-2	*8.78	*8.78	*12.00	*12.00	*14.28	10.43	*11.29	7.32	8.75	5.57	6.88	4.44	5.63	3.66	5.59	3.63	8.04
-3	*11.60	*11.60	*15.36	*15.36	*13.63	10.49	*10.91	7.35	8.77	5.58	6.90	4.46			6.28	4.08	7.46
-4	*14.93	*14.93	*15.90	*15.90	*12.47	10.61	*10.05	7.43	*8.19	5.65					*7.04	4.84	6.68
-5			*13.29	*13.29	*10.56	*10.56	*8.44	7.58							*7.24	6.38	5.62

Feet

Unit : 1,000 lb

A (ft)	10'		15'		20'		25'		Max. Reach		
B (ft)	□	□	□	□	□	□	□	□	□	□	A (ft)
25'									*8.02	*8.02	22'48"
20'							*9.76	9.66	*7.95	*7.95	25'89"
15'					*12.62	*12.62	*11.78	9.52	*8.23	7.81	28'01"
10'	*30.44	*30.44	*19.19	*19.19	*15.01	13.19	*12.95	9.26	*8.80	7.18	29'11"
5'	*13.84	*13.84	*23.98	19.51	*17.47	12.62	13.69	8.97	*9.73	6.95	29'33"
0 (Ground)	*16.40	*16.40	*26.87	18.80	19.05	12.21	13.45	8.75	10.90	7.10	28'67"
-5'	*23.98	*23.98	*27.59	18.55	18.83	12.01	13.33	8.65	11.84	7.70	27'08"
-10'	*34.86	*34.86	*26.28	18.63	18.85	12.03			13.94	9.05	24'36"
-15'	*31.68	*31.68	*22.37	19.01	*15.89	12.33			*15.81	12.28	20'06"

- Note
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 hyd. capacity or 75% of tipping capacity.

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