



Doosan Infracore  
Construction Equipment

## DX15

Engine power: 12,7 kW / 17 Hp at 2.300 rpm

Operational weight: 1.680 kg (Cabin)  
1.590 kg (Canopy)

Bucket capacity (SAE): 0,045 m<sup>3</sup>

## DX18

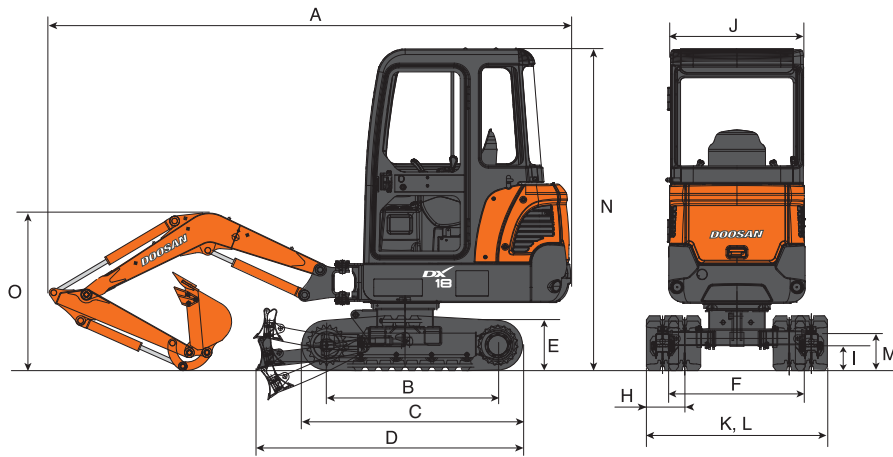
Engine power: 12,7 kW / 17 Hp at 2.300 rpm

Operational weight: 1.810 kg (Cabin)  
1.720 kg (Canopy)

Bucket capacity (SAE): 0,045 m<sup>3</sup>



# Dimensions and working ranges

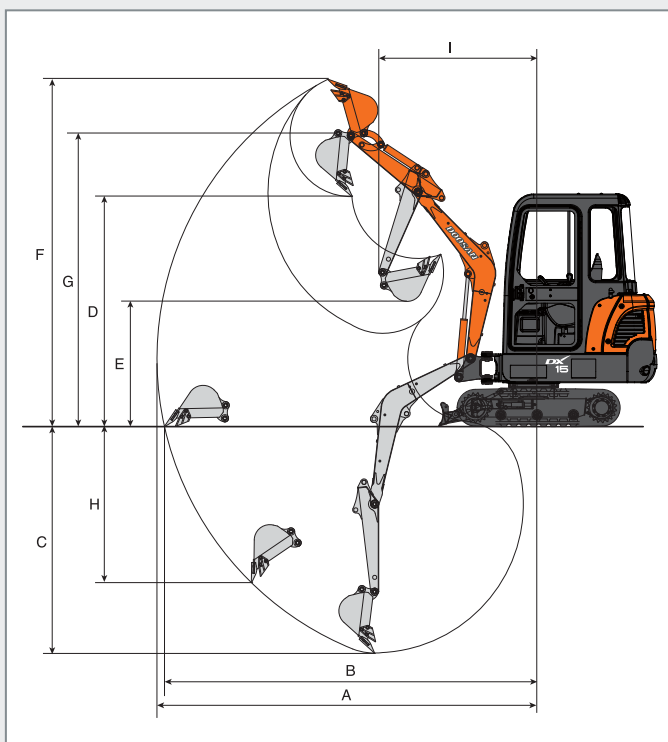


## \* Dimensions

			DX15	DX18
A	Overall length	mm	3.750	3.750
B	Tumbler distance	mm	1.224	1.230
C	Track length	mm	1.580	1.586
D	Track to dozer length	mm	1.760	1.915
E	Track height	mm	360	360
F	Track gauge	mm	770	750 ~ 1.070
H	Shoe width	mm	230	230
I	Ground clearance	mm	155	165
J	Body width	mm	980	980
K	Overall width	mm	1.000	980 ~ 1.300
L	Dozer width	mm	1.000	980 ~ 1.300
M	Dozer height	mm	235	235
N	Overall height (Cabin)	mm	2.300	2.345
	(Canopy)	mm	2.345	2.390
O	Overall height (Boom)	mm	1.120	1.135

## \* Digging force (ISO)

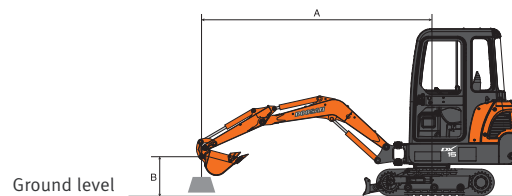
Bucket (PCSA)	0,045 m <sup>3</sup>	
Digging force	1.270 kgf / 12,5 kN	
Arm	850 mm	1.100 mm
Digging force	830 kgf / 8,14 kN	680 kgf / 6,67 kN
At power boost (ISO)		



## \* Working range

		DX15		DX18	
Boom type	mm	1.690		1.690	
Arm type	mm	850	1.100	850	1.100
Bucket type (SAE)	m <sup>3</sup>	0,045	0,045	0,045	0,045
A Max. digging reach	mm	3.700	3.920	3.700	3.920
C Max. digging depth	mm	2.140	2.385	2.075	2.325
D Max. loading height	mm	2.245	2.420	2.310	2.485
F Max. digging height	mm	3.400	3.560	3.465	3.625
H Max. vertical wall depth	mm	1.630	1.845	1.565	1.780
I Min. swing radius	mm	1.500	1.670	1.500	1.670

# Lifting capacity



STANDARD — Boom: 1.690 mm - Arm: 850 mm - Bucket: SAE 0,045 m<sup>3</sup> (CECE 0,04 m<sup>3</sup>) - Shoe: 230 mm

Units: 1.000 kg

A (m)	2				2,5				3				Max. reach						
	Dozer up		Dozer down		Dozer up		Dozer down		Dozer up		Dozer down		Dozer up			Dozer down			
	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	A (m)	☺	☹	A (m)	
2,5	*0,28	*0,28					*0,25	*0,25					*0,30	*0,30	2,28	*0,26	*0,26	2,62	
2	*0,28	*0,28					*0,24	*0,24					*0,30	*0,30	2,70	*0,26	*0,26	2,98	
1,5	*0,36	*0,36	*0,29	*0,29	*0,31	*0,31	*0,27	*0,27				*0,26	*0,26	*0,30	*0,30	2,95	*0,26	*0,26	3,20
1	*0,47	*0,47	*0,40	*0,40	*0,36	*0,36	*0,32	*0,32	*0,31	0,31	*0,28	*0,28	*0,31	0,30	3,07	*0,27	0,27	3,31	
0,5	*0,56	0,54	*0,52	*0,52	*0,40	0,40	*0,38	*0,38	*0,32	0,30	*0,31	0,31	*0,31	0,29	3,09	*0,28	0,26	3,32	
0 (ground)	*0,60	0,54	*0,59	0,54	*0,43	0,39	*0,42	0,39			*0,33	0,30	*0,32	0,30	3,00	*0,29	0,27	3,24	
-0,5	*0,58	0,54	*0,60	0,54	*0,41	0,39	*0,43	0,39			*0,32	0,30	*0,34	0,30	2,80	*0,30	0,29	3,06	
-1	*0,49	*0,49	*0,55	0,54			*0,39	*0,39					*0,34	*0,34	2,44	*0,31	*0,31	2,75	
-1,5			*0,41	*0,41									*0,31	*0,31	1,80	*0,31	*0,31	2,24	

STANDARD — Boom: 1.690 mm - Arm: 1.100 mm - Bucket: SAE 0,045 m<sup>3</sup> (CECE 0,04 m<sup>3</sup>) - Shoe: 230 mm

Units: 1.000 kg

A (m)	2				2,5				3				Max. reach					
	Dozer up		Dozer down		Dozer up		Dozer down		Dozer up		Dozer down		Dozer up			Dozer down		
	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	A (m)	☺	☹	A (m)
3													*0,27	*0,27	2,10	*0,27	*0,27	2,10
2,5					*0,24	*0,24	*0,24	*0,24					*0,26	*0,26	2,67	*0,26	*0,26	2,67
2					*0,24	*0,24	*0,24	*0,24	*0,26	*0,26	*0,26	*0,26	*0,26	*0,26	3,01	*0,26	*0,26	3,01
1,5	*0,30	*0,30	*0,30	*0,30	*0,28	*0,28	*0,28	*0,28	*0,26	*0,26	*0,26	*0,26	*0,26	0,24	3,22	*0,26	0,24	3,22
1	*0,42	*0,42	*0,42	*0,42	*0,33	*0,33	*0,33	*0,33	*0,29	0,27	*0,29	0,27	*0,27	0,23	3,32	*0,27	0,23	3,32
0,5	*0,53	0,47	*0,53	0,47	*0,39	0,35	*0,39	0,35	*0,31	0,27	*0,31	0,27	0,28	0,23	3,32	0,28	0,23	3,32
0 (Ground)	0,57	0,47	0,57	0,47	0,41	0,34	0,41	0,34	0,32	0,26	0,32	0,26	0,29	0,24	3,23	0,29	0,24	3,23
-0,5	0,57	0,47	0,57	0,47	0,41	0,34	0,41	0,34	*0,31	0,26	*0,31	0,26	*0,30	0,26	3,03	*0,30	0,26	3,03
-1	*0,54	0,47	*0,54	0,47	*0,37	0,34	*0,37	0,34					*0,31	0,31	2,70	*0,31	0,31	2,70
-1,5	*0,37	*0,37	*0,37	*0,37									*0,31	*0,31	2,15	*0,31	*0,31	2,15

1. The nominal forces are based on the SAE J1097 standard.

2. The load point is the hook at the rear of the bucket.

3. \* = The nominal loads are based on hydraulic capacity.

4. The nominal loads do not exceed 87% of the hydraulic capacity or 75% of the capacity of the swing.

☺ : Over front

☹ : Over side or 360°

## Technical specifications

### \* Engine

• Model	L3E
• Number of cylinders / Piston displacement	3 / 952 cc
• Nominal flywheel power	12,7 kW (17,2 Ps / 17 Hp) at 2.300 rpm
• Max torque	5,5 kgf.m (54 Nm) at 1.000 rpm
• Bore & stroke	76 mm x 70 mm
• Alternator	12 V / 45 Ah

### \* Operator's Cab

• Noise Levels (dynamic value)	
LWA External noise	Guaranteed Sound Power Level 93 dB (A) (2000/14/EC)
LPA Operator noise	79 dB (A) (ISO 6396)

### \* Hydraulic system

• Main pumps	2 variable displacement axial piston pumps	
	Max flow:	2 x 16,3 l/min + 10,4 l/min
• Pilot pump	Gear pump - max flow: 11,7 l/min	
• Maximum system pressure		
	Boom/Arm/Bucket:	210 kgf/cm <sup>2</sup> (205 bar)
	Travel :	210 kgf/cm <sup>2</sup> (205 bar)
	Swing :	210 kgf/cm <sup>2</sup> (205 bar)

### \* Bucket

Capacity (m <sup>3</sup> )		Width (mm)		Weight (Kg)
PCSA heaped	CECE heaped	Without side cutters	With side cutters	35,8 kg
0,045 m <sup>3</sup>	0,040 m <sup>3</sup>	426 mm	452 mm	

### \* Swing mechanism

• Swing speed	11 rpm
• Rear swing radius	1.190 mm
• Left/right swing angle	75°/50°

### \* Drive

• Travel speed (high/low)	3,8 / 2,0 km/h
• Maximum traction force	1.500 kgf
• Maximum grade	25° / 46,6%

### \* Weight

Boom 1.690 mm - Arm 850 mm - Bucket SAE 0,045 m <sup>3</sup> - Shoe 230 mm		
	DX15	DX18
Operating weight (Cabin)	1.680 kg	1.810 kg
Operating weight (Canopy)	1.590 kg	1.720 kg
Ground pressure (Cabin)	0,27 kgf/cm <sup>2</sup>	0,29 kgf/cm <sup>2</sup>
Ground pressure (Canopy)	0,26 kgf/cm <sup>2</sup>	0,28 kgf/cm <sup>2</sup>

### \* Refill capacities

Fuel tank	19 l
Cooling system (radiator capacity)	1,8 l
Engine oil	4,1 l
Final drive (each)	0,33 l
Hydraulic tank	26 l

**DOOSAN Infracore Europe S.A.**

1<sup>st</sup>, rue Achille Degrâce  
7080 Frameries, Belgium  
Tel : +32-65-61 32 30 • Fax : +32-65-67 73 38

**DOOSAN Infracore France SA**

Buroplus 2  
Parc d'Activités de La Clef St Pierre  
Avenue Jean d'Alembert, bâtiment n° 2  
78990 Elancourt, France  
Tel : +33-1-30 16 21 41 • Fax : +33-1-30 16 21 44

**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. German office**

Heinrich-von-Stephan-Str. 2  
D-40764, Langenfeld, Germany  
Tel : +49-2173-2035212 • Fax : +49-2173-2035219

**Head Office**

Doosan Tower 27<sup>th</sup> FL. 18-12, Euljiro-6Ga,  
Jung-Gu, Seoul, Korea 100-730  
Tel : +82-2-3389-8114 • Fax : +82-2-3389-8117

[www.doosaneurope.com](http://www.doosaneurope.com)

Buy's Machines BV  
Bergsebaan 46  
4622 RN Bergen op Zoom (NL)  
Tel: 0164-233086  
[www.buys-machines.nl](http://www.buys-machines.nl)