



# DX235LCR | Crawler Excavator



## Weights

Operating weight (boom 5.7 m + arm 2.9 m)	23700 kg
Operating weight (boom 5.7 m + arm 2.4 m)	23600 kg
Ground pressure (shoe width - 600 mm)	0.50 kgf/cm <sup>2</sup>
Ground pressure (shoe width - 800 mm)	0.38 kgf/cm <sup>2</sup>

## Engine

Make / model	Doosan / DL06
Bore / Stroke	100 mm x 125 mm
Rated power	124 (168 PS) kW at 1900 rpm (DIN 6271) 125 (166 HP) kW at 1900 rpm (SAE J1349)
Maximum torque	78 kgf.m at 1400 rpm
Number of cylinders	6
Displacement	5890 cc
Fuel consumption (Power / Standard / Eco mode)	25.9 / 22.9 / 18.4 l/h

## Performance

Bucket digging force (ISO)	13.4 / 14.2 t
Arm digging force (ISO) - Arm 2.4 m	11.1 / 12.6 t
Arm digging force (ISO) - Arm 2.9 m	10.2 / 10.8 t
Travel speed (fast/slow)	5.8 / 3.1 km/h
Swing speed	11.3 rpm

## Hydraulic system

Pump type	Parallel, Bent-Axis, Axial piston
Max flow	2 x 220 l/min
Gear pump (max flow)	27.4 l/min
Main relief valves:	
- Boom/arm/bucket	Normal mode : 350 kg/cm <sup>2</sup> Power mode : 370 kg/cm <sup>2</sup>
- Travel	330 kgf/cm <sup>2</sup>
- Rotation	300 kgf/cm <sup>2</sup>

## Capacities

Fuel tank	320 l
Cooling system	27 l
Engine oil	27 l
Swing device	5 l
Travel device	2 x 3.3 l
Hydraulic tank	230 l

## Drive

Maximum traction force	23.4 / 12.3 t
Maximum grade	35°

## Undercarriage

Shoe width	600 mm (std), 700 - 800 - 900 mm (opt)
Track width	2990 mm (std)
Track length	4445 mm
Rollers and track shoes each side	
- Upper rollers	2
- Lower rollers	9
- Shoes	49

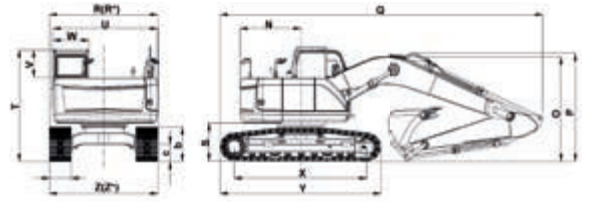
## Other

Sound level	103 dB(A) (2000/14/EC)
Cab sound level	71 dB(A) (ISO 6396)
Hydraulic cylinders	Bore x rod diameter x stroke
- Boom (2)	130 x 90 x 1355 mm
- Arm (1, std)	135 x 95 x 1490 mm
- Bucket (1, std)	120 x 80 x 1060 mm

## Standard features

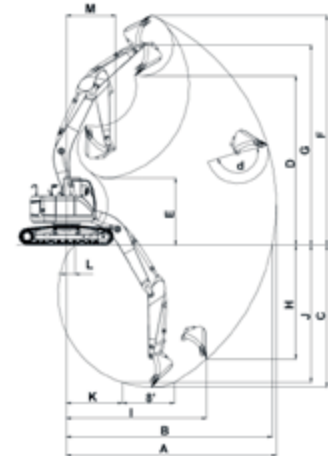
- Compact working range with reduced tail swing
- High performance with increased engine power
- Comfortable spacious cab
- Low fuel consumption with increased engine power
- Improved reliability through the use of high performance materials

## Dimensions



Boom	mm	5700	5700
Arm	mm	2900 (std)	2400
Bucket	m <sup>3</sup>	0.92 (std)	1.05
	mm	N	1680
	mm	O	2870
	mm	P	2955
	mm	Q	8955
	mm	R	2990
	mm	S	1025
	mm	T	3080
	mm	U	2870
	mm	V	760
	mm	W	980
	mm	X	3650
	mm	Y	4445
	mm	Z	2990
	mm	a	600
	mm	b	947
	mm	c	480

## Working ranges



Boom	mm	5700	5700
Arm	mm	2900 (std)	2400
Bucket	m <sup>3</sup>	0.92 (std)	1.05
	mm	A	9820
	mm	B	9630
	mm	C	6670
	mm	D	7955
	mm	E	3155
	mm	F	10795
	mm	G	9405
	mm	H	5350
	mm	I	6550
	mm	J	6440
	mm	K	2570
	mm	L	395
	mm	M	2310
	°	d	177

• Bucket option (SAE): 0.51, 0.81, 1.05, 1.17, 1.28

Specifications and design are subject to change without notice. Pictures of Doosan products may show other than standard equipment.

