DX235LCR-5

Crawler Excavators |

Engine

Make / Model	DOOSAN DL06P
No. of cylinders	6
Rated power at 1800 rpm (SAE J1995)	141.2 kW (189.2 HP)
Rated power at 1800 rpm (SAE J1349)	134.6 kW (180.4 HP)
Rated power at 1800 rpm (ISO 9249)	134.6 kW (183 PS)
Max. torque at 1400 rpm	82 kgf.m (804 Nm)
Piston displacement	5890 cm³
Bore × stroke	100 mm × 125 mm

Weights

Operating weight	24320 - 25080 kg
Ground pressure (shoe TG 600 mm)	0.53 kg/cm² one-piece boom

Performance

Bucket digging force (ISO)	15.2 / 16.0 ton
Arm digging force (ISO) - arm 2.4 m	12.3 / 13.0 ton
Travel speed (fast/slow)	3.2 / 5.8 km/h
Swing speed	11.3 rpm
Maximum traction force	29.2 ton
Gradeability	35° (70%)

Hydraulic system

Main pumps (2)	Tandem - axial piston
Maximum flow at 1900 rpm	2 x 222 l/min
Maximum system pressure	
Work/Travel	350 [+10/0] kg/cm²
Power	370 [+10/0] kg/cm²

Fluid capacities

Fuel tank	310 l
Cooling system	31 l
Engine oil	27 l
Swing device	5 l
Travel device	2 x 3 l
Hydraulic tank	190 l
Urea tank	35 l

Undercarriage

Shoe width (std)	TG 600 mm
Overall width	2990 mm
Track length	4445 mm
Rollers lower / upper (each side)	9 / 2
Shoes (each side)	49

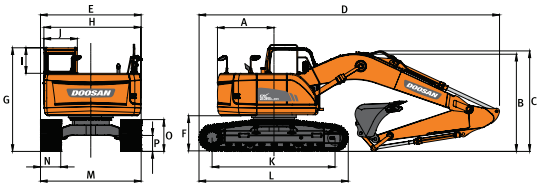
Other

A-weighted emission sound pressure level at the operator's position, LpAd (ISO 6396:2008)	74 dB(A)
A-weighted sound power level, LwAd (2000/14/EC)	103 dB(A)
Counterweight	6.5 ton
Hydraulic cylinders	Bore X Rod diam. X Stroke
Boom (2)	130 X 90 X 1355 mm
Arm (1)	135 X 95 X 1490 mm
Bucket (1)	120 X 80 X 1060 mm
Two-piece Boom (1)	130 X 90 X 1280 mm
Two-piece Arm (1)	150 X 100 X 1300 mm

Standard features (not exhaustive)

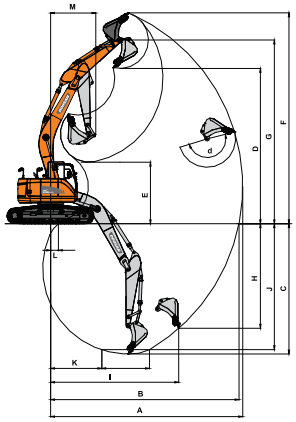
Boom 5.7 m - Arm 2.9 m	7" (18 cm) LCD colour monitor panel
Control of auxiliary hydraulic flow & pressure	Air conditioning with climate control
One & two-way piping	Boom and arm cylinder safety valves
Pressurised, sound-insulated and CabSus mounted ROPS cab	Sliding proportional control of auxiliary hydraulic lines on joysticks
DL06P - EU Stage IV - EGR (Exhaust Gas Recirculation), Selective Catalytic Reduction (SCR) and DOC (Diesel Oxidation Catalyst)	Halogen work lights (2 front frame, 4 front cab-mounted, 2 rear cab-mounted, 2 boom-mounted and 1 rear side)
Heated, adjustable air suspension seat with adjustable headrest and armrest	2 automatic speeds, auto-idle, auto shut-off and Smart Power Control (SPC)
4 operating modes & 4 working modes	Jog shuttle switch
Two way pedal	Double element air cleaner
Hydraulic track adjuster	"CORE TMS" Doosan Telematic system
Rear view camera	One-touch power boost

Dimensions



		One-piece boom		Two-piece boom	
Boom - mm		5700		5850	
Arm - mm		2400	2900	2400	2900
Bucket - m³		1.05	0.92	0.92	0.81
A	mm	1680	1680	1680	1680
B	mm	2980	2870	3180	3210
C	mm	3115	2970	3180	3210
D	mm	9025	8975	9160	9150
E	mm	2990	2990	2990	2990
F	mm	1060	1060	1060	1060
G	mm	3080	3080	3080	3080
H	mm	2870	2870	2870	2870
I	mm	760	760	760	760
J	mm	1022	1022	1022	1022
K	mm	3650	3650	3650	3650
L	mm	4445	4445	4445	4445
M	mm	2990	2990	2990	2990
N	mm	600	600	600	600
O	mm	945	945	945	945
P	mm	475	475	475	475

Working range



		One-piece boom		Two-piece boom	
Boom - mm		5700		5850	
Arm - mm		2400	2900	2400	2900
Bucket - m³		1.05	0.92	0.92	0.81
A	mm	9405	9820	9605	10035
B	mm	9205	9630	9415	9870
C	mm	6170	6670	7825	6390
D	mm	7690	7950	6285	8515
E	mm	3735	3150	4270	3665
F	mm	10550	10795	9185	11405
G	mm	9145	9405	7740	9970
H	mm	5040	5325	6690	5185
I	mm	6270	6575	6530	6770
J	mm	5925	6445	7705	6275
K	mm	2610	2565	1695	1695
L	mm	1625	395	-	-
M	mm	2540	2310	2545	2505
d	mm	177	177	177	177

DOOSAN

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Doosan Infracore Construction Equipment - Drève Richelle 167 - B-1410 Waterloo, Belgium

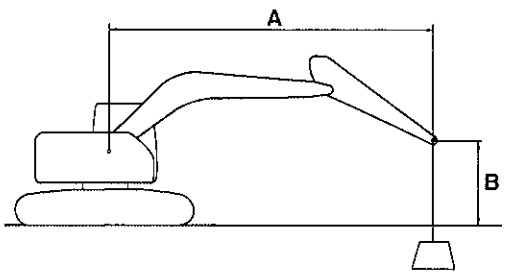

Figure 12

Track Width	: 3.19 m (10' 5") Track
Boom	: 5.7 m (18' 8")
Arm	: 2.9 m (9' 6")
Bucket	: Without Bucket
Counterweight	: 6,450 kg (14,220 lb)
Shoe	: 800 mm (32")
Dozer	: Without Dozer
	: Rating Over Front
	: Rating Over Side or 360 degree
Unit	: 1,000 kg (1,000 lb)

EX1403435

METRIC

1,000 kg

A (m) / B (m)	1.5		3		4.5		6		7.5		MAX. REACH		
													A (m)
9											* 5.67	* 5.67	4.34
7.5					* 6.22	* 6.22	* 5.35	5.24			* 4.80	* 4.80	6.19
6					* 6.67	* 6.67	* 6.33	5.22			* 4.53	3.75	7.28
4.5			* 10.66	* 10.66	* 8.10	7.90	* 6.94	5.03	5.65	3.51	* 4.50	3.18	7.95
3					* 10.12	7.27	7.82	4.76	5.52	3.40	* 4.66	2.89	8.29
1.5					* 11.83	6.72	7.52	4.49	5.38	3.27	4.58	2.78	8.36
0			* 6.58	* 6.58	11.55	6.43	7.31	4.31	5.28	3.17	4.70	2.84	8.14
-1.5	* 7.17	* 7.17	* 11.18	* 11.18	11.46	6.36	7.23	4.24	5.25	3.16	5.14	3.09	7.63
-3	* 11.97	* 11.97	* 15.09	12.56	* 10.99	6.44	7.29	4.29			6.17	3.70	6.75
-4.5			* 11.14	* 11.14	* 8.22	6.71					* 6.61	5.33	5.31

FEET

1,000 lb

A (ft) / B (ft)	5		10		15		20		25		MAX. REACH		
													A (ft)
30											* 12.88	* 12.88	13.36
25					* 13.74	* 13.74					* 10.67	* 10.67	19.91
20					* 14.53	* 14.53	* 13.89	11.23			* 10.00	8.38	23.70
15			* 22.60	* 22.60	* 17.50	17.05	* 15.10	10.84	12.14	7.55	* 9.92	7.04	26.00
10					* 21.81	15.70	16.83	10.26	11.88	7.31	* 10.26	6.39	27.19
5					25.55	14.49	16.18	9.69	11.58	7.04	10.09	6.14	27.42
0			* 15.07	* 15.07	24.78	13.85	15.74	9.29	11.37	6.85	10.35	6.26	26.71
-5	* 16.03	* 16.03	* 25.35	* 25.35	24.58	13.69	15.57	9.14			11.34	6.82	24.99
-10	* 26.87	* 26.87	* 32.70	26.93	* 23.75	13.88	15.72	9.27			13.73	8.21	22.01
-15			* 23.78	* 23.78	* 17.38	14.50					* 14.50	12.07	17.12

1. Load point is the end of the arm.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. The total weight of machine is 24,900 kg (54,895 lb). Included are the; boom 5.7 m (18' 8"), arm 2.9 m (9' 6"), 6,450 kg (14,220 lb) counterweight, all operating fluids and a 75 kg (165 lb) operator.
7. Lift capacities are in compliance with ISO 10567.