



DX700LC | Crawler Excavator



Weights

Operating weight (boom 7.7 m + arm 3.55 m)	70100 kg
Operating weight (boom 7.7 m + arm 2.9 m)	70400 kg
Operating weight (boom 7.7 m + arm 4.2 m)	70100 kg
Ground pressure (shoe width - 650 mm)	1.02 kgf/cm ²

Engine

Make / Model	Isuzu / AH-6WG1XYSC-01
Bore / Stroke	147 mm x 154 mm
Rated power	345 (469.7 PS) kW at 1800 rpm (DIN 6271) 345 (463 HP) kW at 1800 rpm (SAE J1349)
Maximum torque	202 kgf.m at 1500 rpm
Number of cylinders	6
Displacement	15681 cc
Fuel consumption (Power / Standard / Eco mode)	69.6 / 63.3 / 57.2 l/h

Performance

Bucket digging force (ISO)	32.6 / 35.7 t
Arm digging force (ISO) - arm 3.35 m	26.8 / 29.3 t
Arm digging force (ISO) - arm 2.9m	30.7 / 33.5 t
Travel speed (fast/slow)	4.6 / 2.8 km/h
Swing speed	7.1 rpm

Hydraulic system

Pump type	2 variable displacement axial piston pumps
Max flow :	2 x 436 l/min
Gear pump (max flow)	27 l/min
Main relief valves:	
- Boom/arm/bucket	Normal mode : 320 kg/cm ² Power mode : 350 kg/cm ²
- Travel	375 kgf/cm ² at 120 l/min
- Rotation	299 kg/cm ²

Capacities

Fuel tank	900 l
Cooling system	69 l
Engine oil	52 l
Swing device	2 x 6 l
Travel device	2 x 20 l
Hydraulic tank	790 l

Drive

Maximum traction force	48.9 / 42.4 t
Maximum grade	35°

Undercarriage

Shoe width	650 mm (std), 750 (DG) -900 (DG) (Opt)
Track width	4000 mm (std)
Track length	5975 mm
Rollers and track shoes each side	
- Upper rollers	3
- Lower rollers	8
- Shoes	48

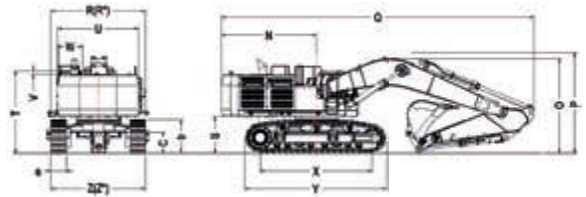
Other

Sound level	108 dB(A) (2000/14/EC)
cab sound level	76 dB(A) (ISO 6396)
Hydraulic cylinders	Bore x rod diameter x stroke
- Boom (2)	190 x 125 x 1795 mm
- Arm (1, std)	215 x 150 x 2030 mm
- Bucket (1, std)	190 x 130 x 1465 mm
Counterweight	11300 kg

Standard features

Maximized performance with excellent digging force
Excellent fuel efficiency thanks to fan control system
Enhanced durability and reliability
Comfortable operator environment with spacious cab
Precise and smooth movements thanks to improved controllability

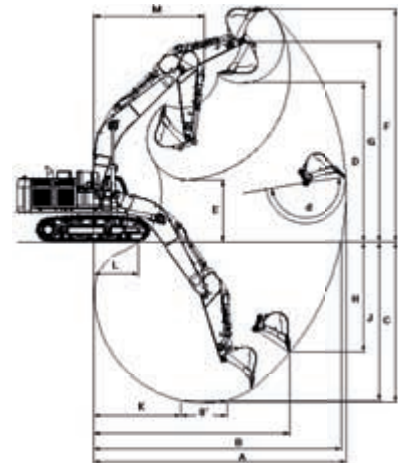
Dimensions



Boom	mm	7700 (std)			6650	6650
Arm	mm	3550 (std)	2900	4200	2900	2600
Bucket	m ³	3.3	3.3	3	3.9	4.5
mm N	4090	4090	4090	4090	4090	4090
mm O	4063	4418	5015	4920	4750	
mm P	4220	4520	5130	5000	4870	
mm Q	13250	13400	13085	12335	12335	
mm R	3410	3410	3410	3410	3410	
mm S	1525	1525	1525	1525	1525	
mm T	3515	3515	3515	3515	3515	
mm U	3410	3410	3410	3410	3410	
mm V	208	208	208	208	208	
mm W	1010	1010	1010	1010	1010	
mm X	4730	4730	4730	4730	4730	
mm Y	5975	5975	5975	5975	5975	
mm Z	3400/ 4000*	3400/ 4000*	3400/ 4000*	3400/ 4000*	3400/ 4000*	3400/ 4000*
mm a	650	650	650	650	650	
mm b	1413	1413	1413	1413	1413	
mm c	870	870	870	870	870	

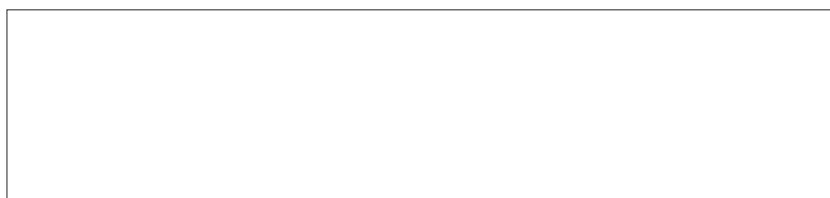
* : Retracted / Extended

Working ranges



Boom	mm	7700 (std)			6650	6650
Arm	mm	3550 (std)	2900	4200	2900	2600
Bucket	m ³	3.3	3.3	3	3.9	4.5
mm A	13250	12720	13865	11605	11345	
mm B	12990	12450	13610	11305	11040	
mm C	8410	7730	9030	7075	6780	
mm D	8320	8220	8660	7020	6940	
mm E	3248	3950	2630	3080	3380	
mm F	12165	12040	12520	10740	10680	
mm G	10470	10380	10795	9210	9135	
mm H	5730	4060	6515	3450	3305	
mm I	10230	10790	10360	9860	9655	
mm J	8270	7550	8910	6925	6620	
mm K	4540	4530	10360	3800	3785	
mm L	2350	3060	170	1835	2050	
mm M	5780	5790	5810	5230	5195	
° d	179.4	177.8	179.4	167.4	166.4	

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



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