

DOOSAN

Construction Equipment

DX210-7M DX220LC-7M

Engine Power

SAE J1349, NET 115KW(157PS) / 1,900 RPM

Operating Weight

20,800KG ~ 21,900KG

Bucket Capacity (SAE/PCSA)

0.92 ~ 1.17 M³

Powered by **Innovation**



Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Doosan equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Doosan units may show other than standard equipment.

DOOSAN

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DIPBE-00-2107

Photos may include optional equipment

Powered by **Innovation**

HIGHLY EFFICIENT MODEL

The DX210-7M & DX220LC-7M are designed to perform diverse kinds of work in different working environments as performance and fuel consumption are ideally balanced.

The DX220 can operate in diverse work environments as digging force, Swing Speed, and combined work speed have been dramatically improved.

Fuel efficiency has been improved compared to the previous model

10% 

Please note that it may be different in a various working situation.

New-7M Series

Doosan's new DX210-7M & DX220LC-7M can reduce costs while increasing profits as it is equipped with the advanced fuel saving technology that significantly enhances working speed, making it the best partner for our customers.

Photos may include optional equipment

Diverse kinds of work in different working



Maximum capacity bucket

The new series can handle greater workloads due to the adoption of the bucket with a maximum capacity of 1.17 m³. A wide or narrow type can be selected depending on the working situation.



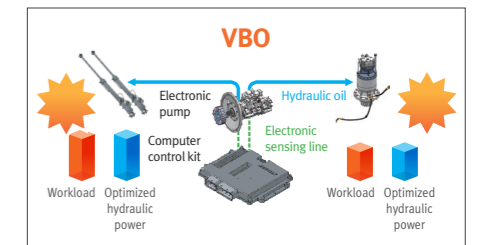
Excellent work stability

The DX210-7M & DX220LC-7M ensure excellent stability in any working situations due to the adoption of the longest and widest box-type chassis.



Upgraded hydraulic system

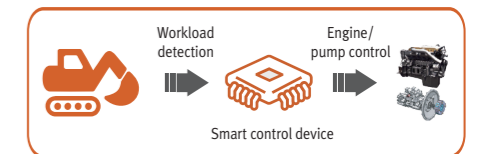
Productivity can be improved by reducing fuel loss as the DX210-7M & DX220LC-7M are equipped with Doosan's high-efficiency VBO hydraulic system which accurately calculates the pump flow rate necessary for each work-performing part.



Upgraded SPC technology

Work efficiency has been improved and fuel loss has been reduced thanks to the introduction of smart sensing equipment which automatically adjusts engine RPM, main pump torque.

SPC



Optimized Operation Mode

The operation mode is selected according to workload, minimizing fuel consumption while optimizing performance.

COMFORT AND CONVENIENCE OF WORK



Improve operator visibility

The enlarged cab glass minimizes a visual obstruction



The high-tech color LCD monitor system increases operational convenience as you can easily check a machine operation information.

Short distance odometer

LCD monitor provides a better visibility such as fuel consumption, driving time, average fuel consumption, and average daily fuel consumption for the comfort of operator.

Check warning information

You can check equipment warning information on the instrument panel.

Oil filter system information

You can check the usage time, replacement cycle, and remaining time of major parts with the instrument panel. You can also reset the usage time and change the parts replacement cycle.

We designed the concept of operator convenience. The noise and vibration inside the cabin are reduced. Also, an air conditioner system and multi-function LCD lead to the comfort and convenience of operator.



1. A COOLING SYSTEM WITH LOW-NOISE DESIGN

Entertainment and work convenience have been enhanced as the operator can answer calls and listen to music using Bluetooth radio.



2. BLUETOOTH RADIO

Entertainment and work convenience have been enhanced as the operator can listen to music using Bluetooth radio and answer calls.



3. CONCENTRATION OF CONTROL SWITCHES

Operational efficiency and operator's convenience have been significantly improved by concentrating the power switches.

4. ADOPTION OF ENGINE EMERGENCY STOP SWITCH

Improve operational safety



5. CONVENIENT STORAGE SPACE AND POWER SUPPLY

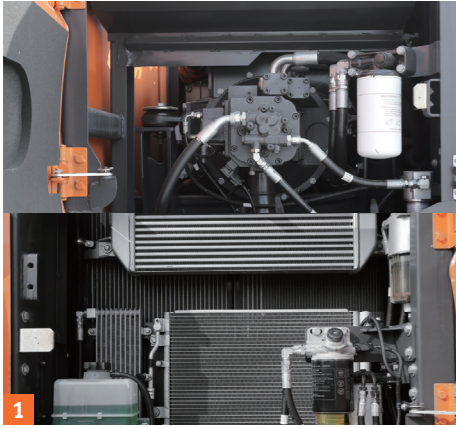
A small storage box and 12V charging USB port have been added as standard features so the operator can store items safely and charge electronic devices such as mobile phone, etc. . In addition, the cab features a quick and easy air-con switch for the operator's convenience.



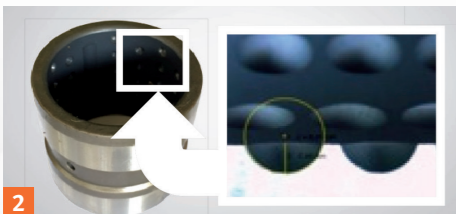
RELIABILITY THROUGH FREQUENT TESTING

Reliability has been enhanced by introducing a developed design process and repeating stringent pre-tests.

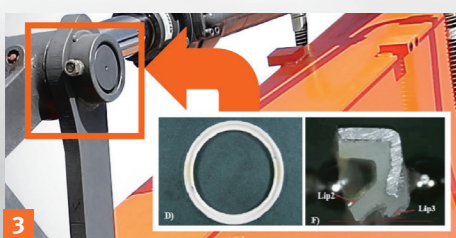
Doosan has extended the product's lifespan with a highly developed computer 3D design and enhanced its reliability with frequent testing, offering even greater added values for the customers.



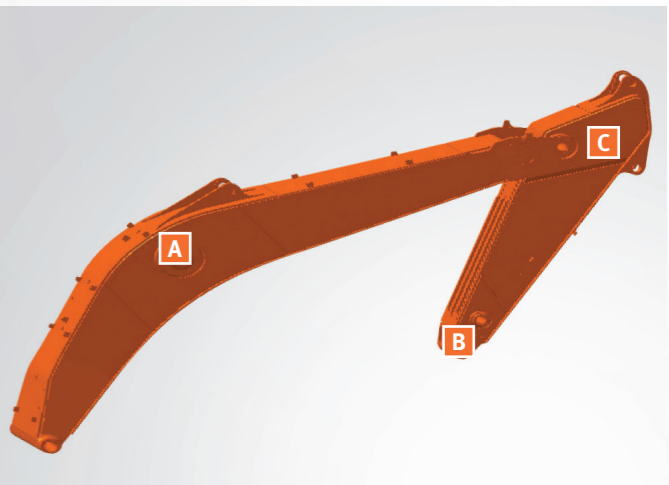
1. MULTIPLE OIL FILTER
 Engine reliability and capacity to use low-quality fuel have been increased by improving fuel filter performance using a 3-Stage oil filter system, while maintenance costs have been reduced by minimizing the possibility of malfunction.



2. WEAR-RESISTANT BUSHING
 Adhesion resistance has been improved and the service life of parts has been extended by coating the bushing surface with lubricants to obtain the effect of lubrication and clean debris.



3. IMPROVED CYLINDER SEALING METHOD
 · Operators can work for the extended period of time as the improved durability of the cylinder in the front work equipment reduces maintenance costs.
 · The sealing effect has been improved by applying a double lip oil seal to the cylinder's seal.



REINFORCED BOOM & ARM
 The built-in boom reduces the number of boom-arm joint welding points and strengthens the structure by eliminating stress concentration. Also, the thickness of the plate of the core parts has been increased to improve boom-arm stability and durability, making the machine suitable for rough terrain.



STRUCTURAL OPTIMIZATION
 The manufacturing process has been improved by increasing the force-bearing area of the front joint point and plate thickness, while the equipment's service life has been significantly increased by improving the welding method with a one-piece casting method.

DoosanCONNECT® Telematics Service (OPTIONAL)

TELECOMMUNICATIONS Data flow from machine to web



TELEMATICS SERVICE TERMINAL

Telematics Service terminal is installed to machine / connected to EPOS™

TELECOMMUNICATION

GPS, EPOS™ data is sent to designated server by GSM, Satellite telecommunication

DOOSAN TELEMATICS SERVICE WEB

Doosan, Dealer, Customer can easily monitor the GPS, EPOS™ data from Core Telematics Service web

TELEMATICS SERVICE BENEFITS Doosan and dealer support customers to improve work efficiency with timely and responsive services

CUSTOMER

- Improve work efficiency
- Timely and preventive service
- Improve operator's skills by comparing work pattern
- Manage fleet more effectively

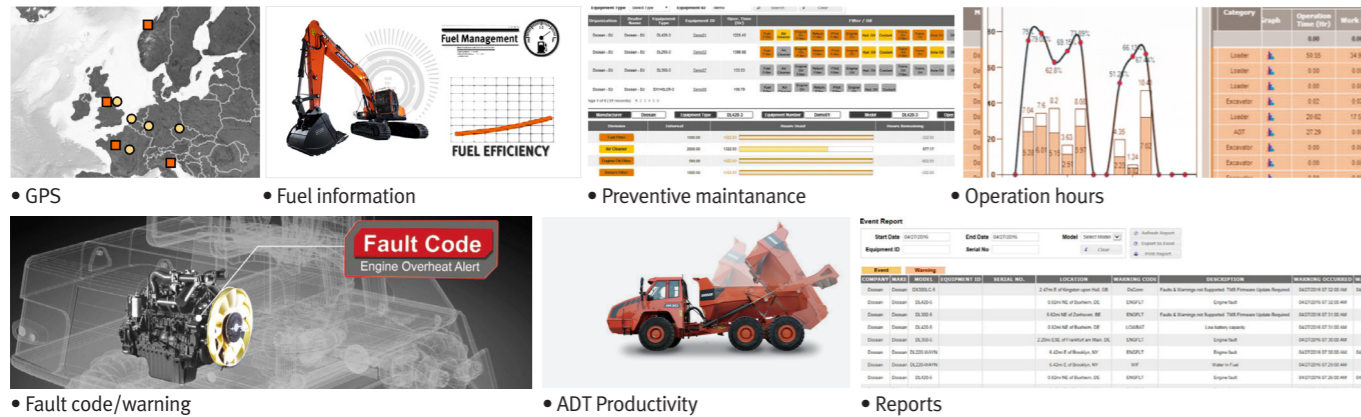
DEALER

- Better service for customers
- Provide better quality of service
- Maintain machine value
- Better understanding of market needs

DOOSAN

- Responsive to customer's voice
- Utilize quality-related field data
- Apply customer's usage profile to developing new machine

FUNCTIONS(WEB/APP) Doosan Telematics Service provides various functions to support your great performance



- GPS
- Fuel information
- Preventive maintenance
- Operation hours
- Fault code/warning
- ADT Productivity
- Reports

FUNCTION	EXCAVATOR	WHEEL LOADER	ADT
GPS	All models	All models	All models
Location	All models	All models	All models
Geo-fence	All models	All models	All models
Operation hours	All models	All models	All models
Daily, Weekly, Monthly report	All models	All models	All models
Operation hours	All models	All models	All models
Total operation hours	All models	All models	All models
Operation hours by mode	Tier 4 only	All models	All models
Maintenance parts	All models	Tier 4 only	All models
Preventive maintenance by item replacement cycle	All models	Tier 4 only	All models
Fault code/ Warning	All models	Tier 4 only	All models
Fault code	All models	Tier 4 only	All models
Machine Warnings on Gauge Panel	All models	Tier 4 only	All models
Fuel information	All models	Tier 4 only	All models
Fuel level	All models	Tier 4 only	All models
Fuel consumption	Tier 4 only	Tier 4 only	All models
Dump capacity	N/A	N/A	All models
Dump tonnage	N/A	N/A	All models
Count of Work Cycle	N/A	N/A	All models

GLOBAL PARTS NETWORK

QUALITY-PROVEN MAIN COMPONENTS

Doosan provides fast and precise worldwide delivery of genuine Doosan parts through its global PDC (parts distribution center) network.



GLOBAL NETWORK

The global network of the GPDC (Global Parts Distribution Center) maximizes its supply rate by making sure that each center is stockpiled with all the critical parts required for businesses in its area. The network also minimizes the time and costs required for parts delivery by positioning PDCs close to major markets around the world. Doosan PDCs communicate with customers in their time zone, informing them that they are open for operation, and deliver parts to them as early as possible.

THE GLOBAL PARTS DISTRIBUTION CENTER NETWORK

PDCs had been set up as shown below, including Mother PDC in Ansan, Korea. The eight other PDCs include one in China (Yantai), three in USA (Seattle and Atlanta, Miami), two in Europe (Germany and the UK), one in the Middle East (Dubai), and one in Asia (Singapore).



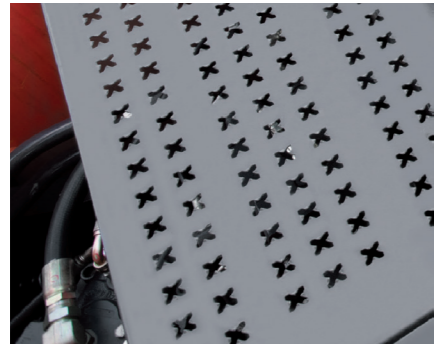
PDC BENEFIT

- Distribution Cost Reduction
- Maximum Parts supply rate
- Shortest distance/time parts delivery
- Real-time service support
- Minimum downtime

MAINTAINABILITY

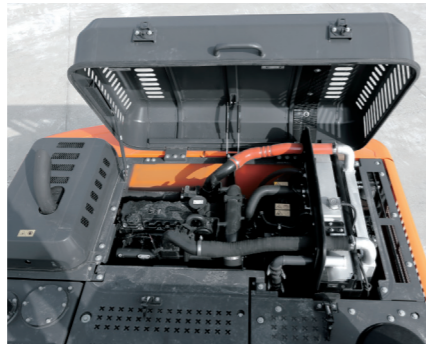
Convenient, quick, and cost-effective maintenance

Equipment maintenance time has been reduced by adopting a fast, convenient maintainability design.



UPPER ANTI-SLIP COVER

The black cover has a floral design, and the anti-slide area has been widened to increase the convenience of maintenance and achieve the best anti-slide effect.



USER-ORIENTED ENGINE COVER

The existing one-piece cover design has been replaced with a separation type design to make machine maintenance easier and more convenient.



THE CYCLE OF HYDRAULIC OIL AND COOLANT CHANGE IS INCREASED TWICE.

Hydraulic oil : 4,000 hours
Coolant : 4,000 hours



TECHNICAL SPECIFICATIONS

Main specifications

Engine	
Model	DL06
Type	Serial
Gas intake	Turbocharger
Number of cylinders	6
Bore Dia. & Stroke	Ø 100 x 125
Rated power	115 kW (157 PS) / 1,900 rpm

Swing system	
Driving system	Hydraulic
Decelerator	Planetary gear
Swing brake	Wet multi-disc brake
Swing speed	9.8 rpm (DX210-7M), 10.2 rpm

Driving system and brake	
Steering control	Integrated control with a pedal and control lever
Driving system	Hydraulic
Travel motor	Axial plunger motor
Travel speed (high/low)	5.5 / 3.0 km/h
Brake operation	Hydraulic brake
Parking brake	Wet multi-disc brake

Travel section	
Center frame	X-frame
Crawler frame	Box type, cross-section structure
Crawler shoes	45 blocks each side (DX210-7M) 49 blocks each side
Roller	2 blocks each side
Track roller	7 blocks each side (DX210-7M) 8 blocks each side

Hydraulic system

Hydraulic motor	
Travel motor	Axial plunger type X2
Swing control brake	Wet multi-disc brake

Main pump	
Type	Variable flow rate piston
Maximum flow	2 x 209 l / min (DX210-7M), 2 x 212 l / min

Safety valve setpoint	
Work equipment hydraulic circuit	350 kgf/cm ² (34.3 Mpa)
Travel hydraulic circuit	350 kgf/cm ² (34.3 Mpa)
Swing hydraulic circuit	270 kgf/cm ² (26.5 Mpa)

Oil tank capacity	
Fuel tank	400 L
Hydraulic oil tank (full)	195 L

Cooling liquid/lubricant volume (replacement)			
Cooler	Engine	Travel reduction gear oil	Swing decelerator
26L	27L	2 X 3.3L	5L

Operational weight

(Operator, lubricant, cooling liquid, fuel tank (full), and standard installation)	
Boom	5,700 mm
Arm	2,900 mm
Bucket	SAE 0.92 m ³ (DX210-7M), SAE 1.05 m ³
Crawler shoes	600 mm
Operational weight	20.8 ton (DX210-7M), 21.9 ton
Ground pressure	45.8 kpa (DX210-7M), 43.9 kpa

Cylinder	
Boom	2-120 mm X 85 mm X 1,263 mm
Arm	1-135 mm X 95 mm X 1,433 mm
Bucket	1-120 mm X 80 mm X 1,060 mm

Maximum digging force (ISO)	
Bucket	15.2 ton (149 kN) (DX210-7M) 14.5 ton (149.6 kN)
Arm	10.8 ton (105 kN) (DX210-7M) 10 ton (98 kN)

Standard & Option List

SWING BODY

- 3.9/4.1 ton Counterweight
- One Way with Electric Pedal
- Two Way with Pedal
- Main Pump with PTO Function
- Rear View Camera
- Alarm for all
- Water Separator for Bio Diesel
- Fuel Filler Pump
- TMS(Doosan Telematics System)

UNDERCARRIAGE

- 600mm Shoe(STD) / 800mm Shoe(Option)

FRONT ATTACHMENTS

- 5.7m Boom : HD
- Mono Boom Cylinder
- 2.9m Arm : HD
- 0.92M3 H CLASS BUCKET
- 0.92m3 H Class Bucket_Flat
- 1.05M3 H CLASS BUCKET
- 1.08M3 H CLASS BUCKET
- 1.17m3 H Class Bucket_Flat
- Only Dummy Link No Bucket

CABIN SUB GROUP

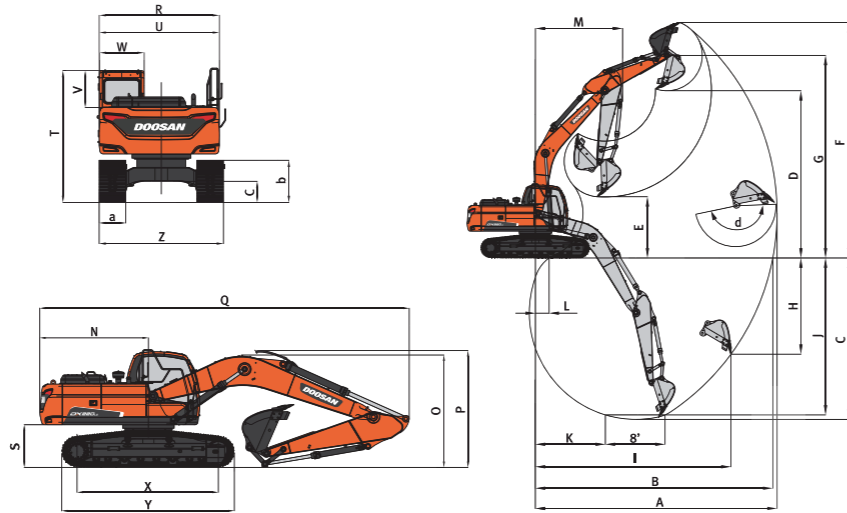
- Lower Guard Only
- Rotating Beacon
- 2 ADDITIONAL WORKING LAMP(LED)

TOOLS & SPARE & SUBSIDIARY PARTS

- Tropical Weather(VG68)

WORKING RANGES

Technical Specifications

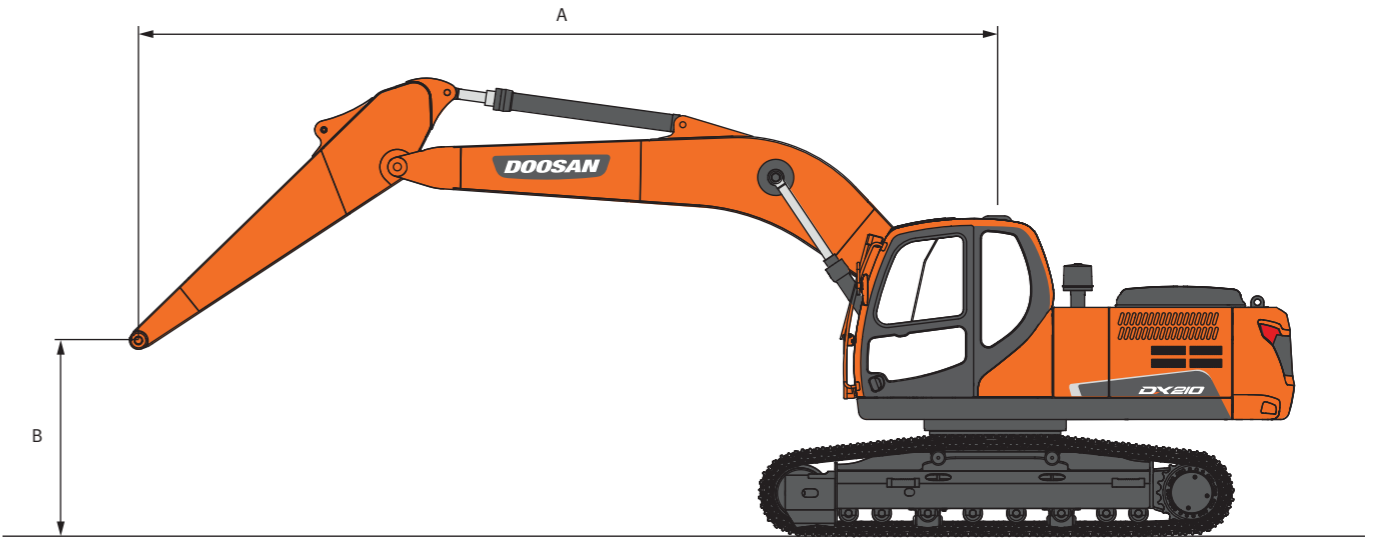


DX210-7M										
Tail swing radius	(mm)	N	2,794	Minimum ground clearance	(mm)	c	475			
Transportation height (to top of boom)	(mm)	O	2,891	Max. digging reach	(mm)	A	9,873			
Transportation height (to top of hose)	(mm)	P	3,005	Max. digging reach at ground level	(mm)	B	9,699			
Transport length	(mm)	Q	9,506	Max. digging depth	(mm)	C	6,592			
Transport width	(mm)	R	2,990	Max. loading height	(mm)	D	6,830			
Ground clearance of counterweight	(mm)	S	1,096	Min. loading height	(mm)	E	2,501			
Total height (to top of cab)	(mm)	T	2,985	Max. digging height	(mm)	F	9,616			
Turntable width	(mm)	U	2,709	Max. height of the bucket pivot	(mm)	G	8,274			
Cab height (above the turntable)	(mm)	V	832	Max. vertical wall depth	(mm)	H	3,929			
Overall cab width	(mm)	W	1,008	Max. vertical radius	(mm)	I	7,988			
Central distance between idler and sprocket	(mm)	X	3,270	Max. digging depth on 8 feet flat ground	(mm)	J	6,411			
Crawler length	(mm)	Y	4,060	Min. digging depth on 8 feet flat ground	(mm)	K	2,858			
Total width	(mm)	Z	2,990	Min. digging reach	(mm)	L	562			
Crawler width	(mm)	a	600	Min. swing radius	(mm)	M	3,560			
Crawler height	(mm)	b	950	Bucket reach angle	(°)	d	177			

DX220LC-7M										
Tail swing radius	(mm)	N	2,794	Minimum ground clearance	(mm)	c	475			
Transportation height (to top of boom)	(mm)	O	2,951	Max. digging reach	(mm)	A	9,873			
Transportation height (to top of hose)	(mm)	P	3,065	Max. digging reach at ground level	(mm)	B	9,699			
Transport length	(mm)	Q	9,506	Max. digging depth	(mm)	C	6,592			
Transport width	(mm)	R	2,990	Max. loading height	(mm)	D	6,830			
Ground clearance of counterweight	(mm)	S	1,096	Min. loading height	(mm)	E	2,501			
Total height (to top of cab)	(mm)	T	2,985	Max. digging height	(mm)	F	9,616			
Turntable width	(mm)	U	2,709	Max. height of the bucket pivot	(mm)	G	8,274			
Cab height (above the turntable)	(mm)	V	832	Max. vertical wall depth	(mm)	H	3,929			
Overall cab width	(mm)	W	1,008	Max. vertical radius	(mm)	I	7,988			
Central distance between idler and sprocket	(mm)	X	3,635	Max. digging depth on 8 feet flat ground	(mm)	J	6,411			
Crawler length	(mm)	Y	4,440	Min. digging depth on 8 feet flat ground	(mm)	K	2,858			
Total width	(mm)	Z	2,990	Min. digging reach	(mm)	L	562			
Crawler width	(mm)	a	600	Min. swing radius	(mm)	M	3,560			
Crawler height	(mm)	b	950	Bucket reach angle	(°)	d	177			

LIFTING CAPACITY

DX210-7M



STANDARD

Metric

Boom : 5,700 mm (18' 7") Arm : 2,900 mm (9' 5") Shoe : 600 mm (2' 0") Counter Weight : 3,900 kg (8,598 lb) STD track Unit : 1,000kg

B(m)	A(m)	2		3		4		5	
		Rating Over Front	Rating Over Side or 360 Degree	Rating Over Front	Rating Over Side or 360 Degree	Rating Over Front	Rating Over Side or 360 Degree	Rating Over Front	Rating Over Side or 360 Degree
8									
7									
6									
5									
4								5.27 *	5.27 *
3				10.63 *	10.63 *	7.58 *	7.58 *	6.09 *	5.94 *
2				8.52 *	8.52 *	8.95 *	7.92	6.91 *	5.61
1				7.26 *	7.26 *	9.93 *	7.49	7.57 *	5.34
0		4.93 *	4.93 *	8.27 *	8.27 *	10.41 *	7.25	800 *	5.15
-1		7.18 *	7.18 *	10.09 *	10.09 *	10.46 *	7.14	8.16 *	5.04
-2		9.40 *	9.40 *	12.46 *	11.81	10.16 *	7.13	8.03 *	5.01
-3		11.87 *	11.87 *	12.22 *	11.96	9.49 *	7.2	7.59 *	5.04
-4		14.12 *	14.12 *	10.63 *	10.63 *	8.39 *	7.34	6.73 *	5.14
-5				8.29 *	8.29 *	6.61 *	6.61 *	5.14 *	5.14 *

Metric

Boom : 5,700 mm (18' 7") Arm : 2,900 mm (9' 5") Shoe : 600 mm (2' 0") Counter Weight : 3,900 kg (8,598 lb) STD track Unit : 1,000kg

B(m)	A(m)	6		7		8		MAX. REACH		A(m)
		Rating Over Front	Rating Over Side or 360 Degree	Rating Over Front	Rating Over Side or 360 Degree	Rating Over Front	Rating Over Side or 360 Degree	Rating Over Front	Rating Over Side or 360 Degree	
8								3.02 *	3.02 *	@ 5.95
7								2.84 *	2.84 *	@ 6.84
6		4.02 *	4.02 *	3.86 *	3.7			2.77 *	2.77 *	@ 7.51
5		4.30 *	4.30 *	4.10 *	3.64			2.77 *	2.77 *	@ 7.98
4		4.71 *	4.62	4.35 *	3.54	3.81 *	2.76	2.82 *	2.56	@ 8.32
3		5.22 *	4.42	4.66 *	3.41	4.28 *	2.69	2.94 *	2.39	@ 8.51
2		5.73 *	4.22	4.98 *	3.29	4.36	2.61	3.12 *	2.29	@ 8.59
1		6.17 *	4.04	5.27 *	3.17	4.28	2.54	3.38 *	2.26	@ 8.55
0		6.49 *	3.91	5.22	3.08	4.22	2.49	3.75 *	2.3	@ 8.39
-1		6.57	3.82	5.15	3.02	4.19	2.46	4.11	2.41	@ 8.10
-2		6.53	3.79	5.13	3			4.47	2.62	@ 7.67
-3		6.17 *	3.81	4.99 *	3.04			4.89 *	2.99	@ 7.08
-4		5.35 *	3.91					4.99 *	3.67	@ 6.27
-5								4.93 *	4.93 *	@ 5.12

1. LIFT CAPACITIES ARE IN COMPLIANCE WITH ISO 10567. 2. LOAD POINT IS THE END OF THE ARM.

3. CAPACITIES MARKED WITH AN ASTERISK (*) ARE LIMITED BY HYDRAULIC CAPACITIES.

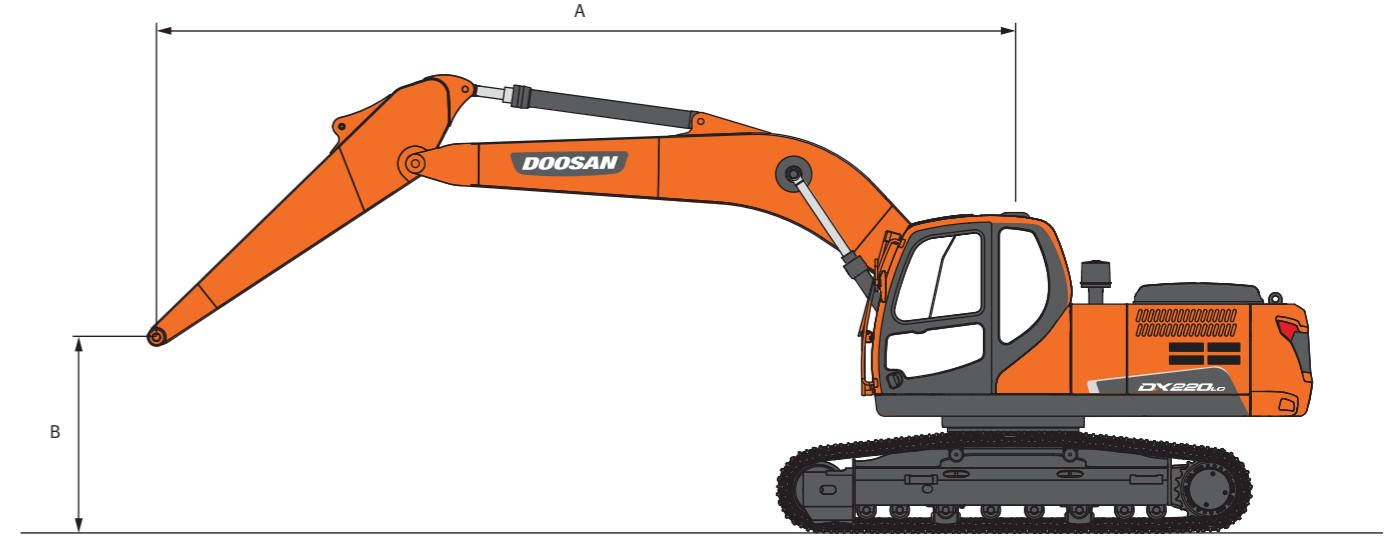
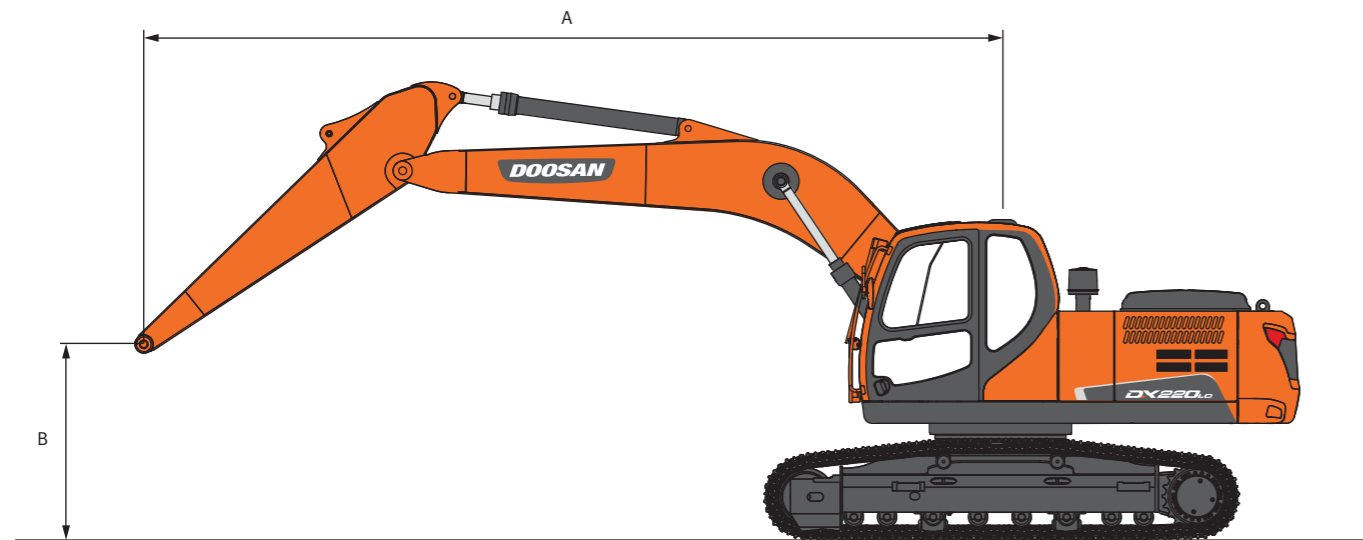
4. LIFT CAPACITIES SHOWN DO NOT EXCEED 75 % OF MINIMUM TIPPING LOADS OR 87 % OF HYDRAULIC CAPACITIES.

Rating Over Front

Rating Over Side or 360 Degree

LIFTING CAPACITY

DX220LC-7M



STANDARD

Metric

Boom : 5,700 mm (18' 7") Arm : 2,900 mm (9' 5") Shoe : 600 mm (2' 0") Counter Weight : 4,100 kg (9,038 lb) LC track Unit : 1,000kg

B(m)	A(m)	1.5		2		2.5		3		3.5		4		4.5		5		5.5		
		☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	
8																				
7.5																				
7																				
6.5																				
6																				
5.5																		5.05 *	5.05 *	
5																		5.26 *	5.26 *	
4.5																5.80 *	5.80 *	5.52 *	5.52 *	
4									8.17 *	8.17 *	7.30 *	7.30 *	6.67 *	6.67 *	6.19 *	6.19 *	5.82 *	5.61		
3.5									11.04 *	11.04 *	9.22 *	9.22 *	8.04 *	8.04 *	7.21 *	7.21 *	6.60 *	6.35	6.13 *	5.5
3									10.28 *	10.28 *	8.79 *	8.67	7.77 *	7.26	7.02 *	6.2	6.46 *	5.38		
2.5									11.26 *	10.25	9.51 *	8.39	8.31 *	7.06	7.44 *	6.05	6.79 *	5.26		
2									8.54 *	8.54 *	10.13 *	8.16	8.80 *	6.88	7.83 *	5.91	7.10 *	5.16		
1.5									7.40 *	7.40 *	10.62 *	7.96	9.21 *	6.72	8.17 *	5.79	7.37 *	5.06		
1									7.28 *	7.28 *	10.97 *	7.82	9.53 *	6.6	8.45 *	5.68	7.61 *	4.97		
0.5									7.74 *	7.74 *	11.19 *	7.72	9.76 *	6.5	8.66 *	5.6	7.80 *	4.9		
0									5.71 *	5.71 *	8.56 *	8.56 *	11.28 *	7.66	9.90 *	6.44	8.80 *	5.54	7.93 *	4.85
-0.5					5.11 *	5.11 *	6.97 *	6.97 *	9.66 *	9.41	11.28 *	7.62	9.95 *	6.39	8.88 *	5.49	7.92	4.8		
-1			5.40 *	5.40 *	6.58 *	6.58 *	8.34 *	8.34 *	10.99 *	9.42	11.19 *	7.61	9.92 *	6.37	8.87 *	5.47	7.89	4.78		
-1.5	6.23 *	6.23 *	6.90 *	6.90 *	8.05 *	8.05 *	9.84 *	9.84 *	12.45 *	9.44	11.01 *	7.61	9.80 *	6.36	8.80 *	5.46	7.88	4.77		
-2	7.64 *	7.64 *	8.38 *	8.38 *	9.61 *	9.61 *	11.51 *	11.51 *	12.10 *	9.47	10.75 *	7.63	9.61 *	6.37	8.65 *	5.46	7.83 *	4.77		
-2.5	9.07 *	9.07 *	9.93 *	9.93 *	11.30 *	11.30 *	13.14 *	12.5	11.65 *	9.52	10.39 *	7.67	9.33 *	6.4	8.41 *	5.48	7.62 *	4.78		
-3	10.60 *	10.60 *	11.62 *	11.62 *	13.21 *	13.21 *	12.46 *	12.46 *	11.10 *	9.59	9.94 *	7.72	8.94 *	6.44	8.08 *	5.51	7.32 *	4.81		
-3.5	12.28 *	12.28 *	13.53 *	13.53 *	13.13 *	13.13 *	11.65 *	11.65 *	10.42 *	9.68	9.36 *	7.79	8.44 *	6.5	7.62 *	5.56	6.88 *	4.86		
-4			13.57 *	13.57 *	11.95 *	11.95 *	10.66 *	10.66 *	9.57 *	9.57 *	8.63 *	7.88	7.78 *	6.57	7.00 *	5.63	6.25 *	4.93		
-4.5					10.51 *	10.51 *	9.45 *	9.45 *	8.52 *	8.52 *	7.68 *	7.68 *	6.89 *	6.68	6.11 *	5.74	5.25 *	5.05		
-5							7.16 *	7.16 *	6.41 *	6.41 *	5.63 *	5.63 *								

- LOAD POINT IS THE END OF THE ARM.
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☐ : Rating Over Front
☐☐ : Rating Over Side or 360 Degree

Metric

Boom : 5,700 mm (18' 7") Arm : 2,900 mm (9' 5") Shoe : 600 mm (2' 0") Counter Weight : 4,100 kg (9,038 lb) LC track Unit : 1,000kg

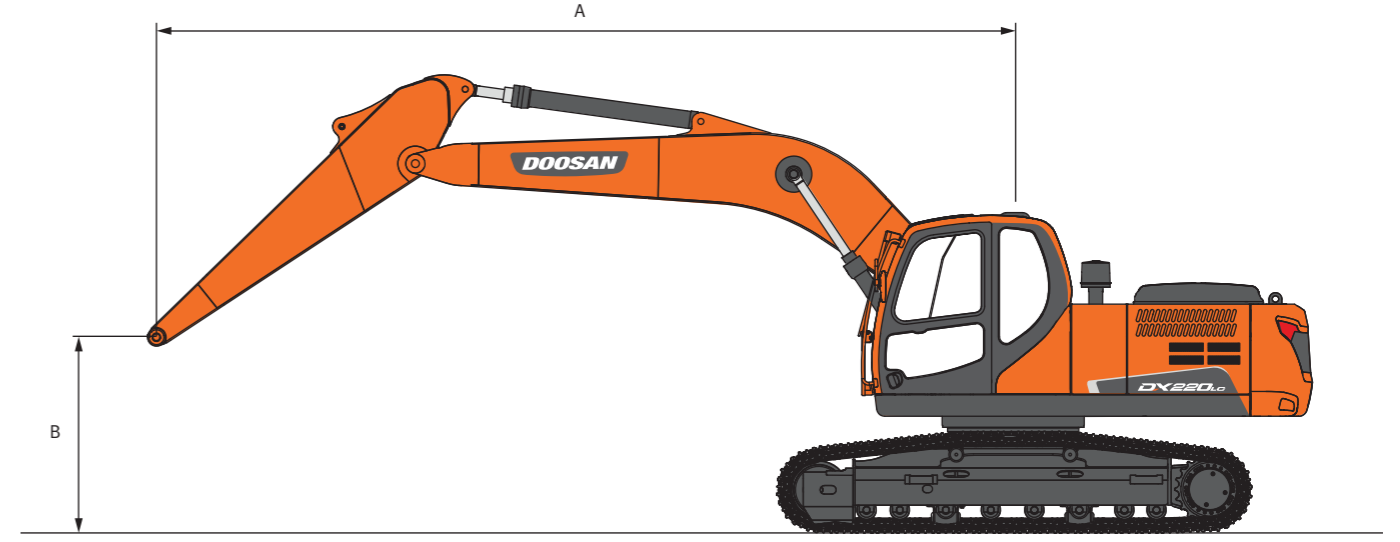
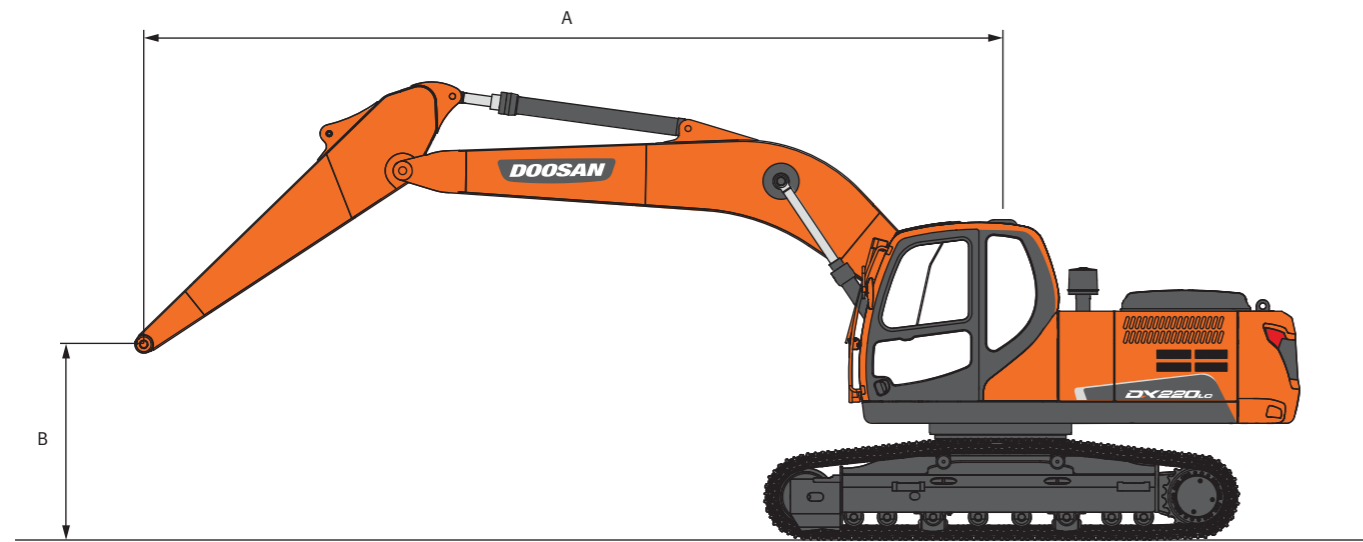
B(m)	A(m)	6		6.5		7		7.5		8		Max. Reach				
		☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	A(m)		
8														4.24 *	4.24 *	5.70
7.5		4.66 *	4.66 *											4.06 *	4.06 *	6.20
7		4.79 *	4.79 *	4.38 *	4.38 *									3.93 *	3.93 *	6.63
6.5		4.78 *	4.78 *	4.79 *	4.52									3.84 *	3.84 *	6.99
6		4.83 *	4.83 *	4.80 *	4.51	4.80 *	3.97							3.77 *	3.66	7.31
5.5		4.94 *	4.94 *	4.86 *	4.48	4.81 *	3.95	4.07 *	3.5					3.74 *	3.43	7.57
5		5.10 *	5.05	4.97 *	4.44	4.88 *	3.93	4.83 *	3.49					3.72 *	3.25	7.80
4.5		5.30 *	4.98	5.12 *	4.39	4.98 *	3.89	4.88 *	3.47					3.72 *	3.1	7.99
4		5.52 *	4.9	5.29 *	4.32	5.10 *	3.84	4.96 *	3.44	4.44 *	3.08			3.73 *	2.98	8.14
3.5		5.77 *	4.81	5.48 *	4.26	5.25 *	3.79	5.06 *	3.4	4.76	3.05			3.77 *	2.89	8.26
3		6.03 *	4.72	5.68 *	4.19	5.40 *	3.74	5.18 *	3.36	4.73	3.03			3.82 *	2.82	8.35
2.5		6.28 *	4.63	5.88 *	4.12	5.56 *	3.68	5.19	3.32	4.7	3			3.88 *	2.77	8.40
2		6.53 *	4.55	6.08 *	4.05	5.71 *	3.63	5.15	3.27	4.66	2.97			3.97 *	2.73	8.43
1.5		6.75 *	4.47	6.26 *	3.99	5.67	3.58	5.11	3.24	4.63	2.94			4.07 *	2.72	8.42
1		6.95 *	4.4	6.28	3.93	5.62	3.54	5.07	3.2	4.6	2.91			4.20 *	2.71	8.39
0.5		7.03	4.34	6.23	3.88	5.57	3.5	5.03	3.17	4.58	2.89			4.33	2.73	8.32
0		6.97	4.29	6.18	3.84	5.54	3.46	5.01	3.15	4.56	2.87			4.39	2.77	8.22
-0.5		6.93	4.26	6.15	3.81	5.51	3.44	4.99	3.13	4.55	2.86			4.48	2.82	8.09
-1		6.9	4.23	6.13	3.79	5.5	3.43	4.98	3.12					4.61	2.9	7.93
-1.5		6.89	4.22	6.12	3.78	5.49	3.42	4.98	3.12					4.78	3	7.73
-2		6.89	4.22	6.12	3.79	5.5	3.43							5.01	3.15	7.49
-2.5		6.91	4.24	6.14	3.8	5.53	3.45							5.31	3.33	7.21
-3		6.62 *	4.27	5.96 *	3.84									5.42 *	3.57	6.88
-3.5		6.17 *	4.32											5.41 *	3.91	6.49
-4		5.44 *	4.4											5.37 *	4.37	6.04
-4.5														5.25 *	5.04	5.50
-5														4.99 *	4.99 *	4.85

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LIFTING CAPACITY

DX220LC-7M



OPTION

Metric

Boom : 5,700 mm (18' 7") Arm : 2,900 mm (9' 5") Shoe : 800 mm (2' 6") Counter Weight : 4,100 kg (9,038 lb) LC track Unit : 1,000kg

B(m)	A(m)	1.5		2		2.5		3		3.5		4		4.5		5		5.5			
		☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐		
8																					
7.5																					
7																					
6.5																					
6																					
5.5																		5.05 *	5.05 *		
5																		5.26 *	5.26 *		
4.5																5.80 *	5.80 *	5.52 *	5.52 *		
4										8.17 *	8.17 *	7.30 *	7.30 *	6.67 *	6.67 *	6.19 *	6.19 *	5.82 *	5.76		
3.5										11.04 *	11.04 *	9.22 *	9.22 *	8.04 *	8.04 *	7.21 *	7.21 *	6.60 *	6.52	6.13 *	5.64
3										10.28 *	10.28 *	8.79 *	8.79 *	7.77 *	7.45	7.02 *	6.37	6.46 *	5.53		
2.5										11.26 *	10.53	9.51 *	8.62	8.31 *	7.25	7.44 *	6.22	6.79 *	5.41		
2										8.54 *	8.54 *	10.13 *	8.38	8.80 *	7.07	7.83 *	6.08	7.10 *	5.3		
1.5										7.40 *	7.40 *	10.62 *	8.19	9.21 *	6.91	8.17 *	5.95	7.37 *	5.2		
1										7.28 *	7.28 *	10.97 *	8.05	9.53 *	6.79	8.45 *	5.85	7.61 *	5.12		
0.5										7.74 *	7.74 *	11.19 *	7.95	9.76 *	6.7	8.66 *	5.77	7.80 *	5.05		
0										5.71 *	5.71 *	8.56 *	8.56 *	11.28 *	7.88	9.90 *	6.63	8.80 *	5.7	7.93 *	4.99
-0.5						5.11 *	5.11 *	6.97 *	6.97 *	9.66 *	9.66 *	11.28 *	7.85	9.95 *	6.58	8.88 *	5.66	8.00 *	4.95		
-1				5.40 *	5.40 *	6.58 *	6.58 *	8.34 *	8.34 *	10.99 *	9.69	11.19 *	7.83	9.92 *	6.56	8.87 *	5.63	8.01 *	4.92		
-1.5	6.23 *	6.23 *	6.90 *	6.90 *	8.05 *	8.05 *	9.84 *	9.84 *	12.45 *	9.71	11.01 *	7.84	9.80 *	6.55	8.80 *	5.62	7.96 *	4.91			
-2	7.64 *	7.64 *	8.38 *	8.38 *	9.61 *	9.61 *	11.51 *	11.51 *	12.10 *	9.75	10.75 *	7.86	9.61 *	6.56	8.65 *	5.63	7.83 *	4.91			
-2.5	9.07 *	9.07 *	9.93 *	9.93 *	11.30 *	11.30 *	13.14 *	12.85	11.65 *	9.8	10.39 *	7.89	9.33 *	6.59	8.41 *	5.64	7.62 *	4.93			
-3	10.60 *	10.60 *	11.62 *	11.62 *	13.21 *	13.21 *	12.46 *	12.46 *	11.10 *	9.87	9.94 *	7.94	8.94 *	6.63	8.08 *	5.68	7.32 *	4.96			
-3.5	12.28 *	12.28 *	13.53 *	13.53 *	13.13 *	13.13 *	11.65 *	11.65 *	10.42 *	9.96	9.36 *	8.01	8.44 *	6.69	7.62 *	5.73	6.88 *	5.01			
-4			13.57 *	13.57 *	11.95 *	11.95 *	10.66 *	10.66 *	9.57 *	9.57 *	8.63 *	8.11	7.78 *	6.77	7.00 *	5.8	6.25 *	5.08			
-4.5					10.51 *	10.51 *	9.45 *	9.45 *	8.52 *	8.52 *	7.68 *	7.68 *	6.89 *	6.87	6.11 *	5.9	5.25 *	5.19			
-5									7.16 *	7.16 *	6.41 *	6.41 *	5.63 *	5.63 *							

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Metric

Boom : 5,700 mm (18' 7") Arm : 2,900 mm (9' 5") Shoe : 800 mm (2' 6") Counter Weight : 4,100 kg (9,038 lb) LC track Unit : 1,000kg

B(m)	A(m)	6		6.5		7		7.5		8		Max. Reach				
		☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	☐	☐☐	A(m)		
8														4.24 *	4.24 *	5.70
7.5		4.66 *	4.66 *											4.06 *	4.06 *	6.20
7		4.79 *	4.79 *	4.38 *	4.38 *									3.93 *	3.93 *	6.63
6.5		4.78 *	4.78 *	4.79 *	4.64									3.84 *	3.84 *	6.99
6		4.83 *	4.83 *	4.80 *	4.63	4.80 *	4.07							3.77 *	3.77 *	7.31
5.5		4.94 *	4.94 *	4.86 *	4.6	4.81 *	4.06	4.07 *	3.6					3.74 *	3.53	7.57
5		5.10 *	5.10 *	4.97 *	4.56	4.88 *	4.03	4.83 *	3.59					3.72 *	3.34	7.80
4.5		5.30 *	5.11	5.12 *	4.5	4.98 *	4	4.88 *	3.57					3.72 *	3.19	7.99
4		5.52 *	5.03	5.29 *	4.44	5.10 *	3.95	4.96 *	3.53	4.44 *	3.17			3.73 *	3.07	8.14
3.5		5.77 *	4.94	5.48 *	4.38	5.25 *	3.9	5.06 *	3.5	4.91	3.15			3.77 *	2.98	8.26
3		6.03 *	4.85	5.68 *	4.31	5.40 *	3.85	5.18 *	3.46	4.88	3.12			3.82 *	2.91	8.35
2.5		6.28 *	4.77	5.88 *	4.24	5.56 *	3.79	5.30 *	3.42	4.84	3.09			3.88 *	2.85	8.40
2		6.53 *	4.68	6.08 *	4.17	5.71 *	3.74	5.31	3.37	4.81	3.06			3.97 *	2.82	8.43
1.5		6.75 *	4.6	6.26 *	4.1	5.84	3.69	5.27	3.33	4.78	3.03			4.07 *	2.8	8.42
1		6.95 *	4.53	6.41 *	4.05	5.79	3.64	5.23	3.3	4.75	3			4.20 *	2.8	8.39
0.5		7.11 *	4.47	6.42	4	5.75	3.6	5.19	3.27	4.73	2.98			4.36 *	2.82	8.32
0		7.19	4.42	6.38	3.96	5.72	3.57	5.17	3.24	4.71	2.97			4.53	2.86	8.22
-0.5		7.15	4.39	6.34	3.93	5.69	3.55	5.15	3.23	4.7	2.96			4.63	2.91	8.09
-1		7.12	4.36	6.32	3.91	5.67	3.53	5.14	3.22					4.76	2.99	7.93
-1.5		7.11	4.35	6.31	3.9	5.67	3.53	5.14	3.22					4.94	3.1	7.73
-2		7.11	4.35	6.31	3.9	5.68	3.54							5.18	3.25	7.49
-2.5		6.93 *	4.37	6.30 *	3.92	5.68 *	3.56							5.40 *	3.43	7.21
-3		6.62 *	4.4	5.96 *	3.95									5.42 *	3.68	6.88
-3.5		6.17 *	4.45											5.41 *	4.03	6.49
-4		5.44 *	4.53											5.37 *	4.5	6.04
-4.5														5.25 *	5.19	5.50
-5														4.99 *	4.99 *	4.85

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