

[Notice]

This is **preliminary** product contents to introduce DX-7 new models. Product specifications or features **can be changed** in development and validation process without notice.



New DX255LC-7 Specifications

DX255LC-7

2021.05.

DIEU Product Management

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DX255LC-7 Spécifications

MODEL	DX255LC-7
BOOM	Mono 5900mm
ARM	3000 mm
CTW	5000KG
OPERATING WEIGHT	25700kg
ENGINE	Doosan DL06 Stage V 6CYL
ENGINE DISPLACEMENT	5900 cc
POWER ISO, gross	129kW / 174HP @1800rpm
AFTER TREATMENT	no EGR SCR DOC DPF
ARM FORCE normal /boost	[ISO]12,1/12,8 Ton
BUCKET FORCE normal /boost	[ISO] 17,0/17,9 Ton
SWING FORCE	9,880 kgf.m
TRACTION FORCE MAX	285 KN
LIFTING @4,5M (ground)	13,82T
LIFTING @4,5M SIDE	9,08T
LIFTING @6M (ground)	9,37T
LIFTING @6M SIDE	6,03T
LIFTING MAX REACH (ground)	5,64T
LIFTING MAX REACH SIDE	3,75T
MAX. DIGGING REACH (ground)	9995 mm
MAX. DIGGING DEPTH	6810 mm
MAX. DIGGING HEIGHT	9705 mm
PUMP FLOW	440L/mn (2 x 220)

DX255LC-7 Lifting performance monoboam

DX255LC-7 Boom 5900mm Arm 3000mm shoes 600mm

	F 1.5 m	S 1.5 m	F 3 m	S 3 m	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	Max. F	Max. S	Reach (m)
7.5 m							6.40 *	6.40 *			5.12 *	5.12 *	Max. at(m) 6.64
6 m							6.54 *	6.54 *	5.68 *	4,93	4.84 *	4,73	Max. at(m) 7.67
4.5 m							7.29 *	6,87	6.66 *	4,85	4.81 *	4,1	Max. at(m) 8.31
3 m					10.89 *	10,03	8.37 *	6,55	7,02	4,7	4.96 *	3,78	Max. at(m) 8.64
1.5 m					12.89 *	9,4	9.41 *	6,24	6,85	4,55	5.29 *	3,67	Max. at(m) 8.70
0 m			7.28 *	7.28 *	13.80 *	9,08	9,37	6,03	6,73	4,44	5,64	3,75	Max. at(m) 8.49
-1.5 m	8.35 *	8.35 *	12.68 *	12.68 *	13.69 *	9	9,27	5,95	6,68	4,4	6,12	4,05	Max. at(m) 8.00
-3 m	13.90 *	13.90 *	17.53 *	17.53 *	12.62 *	9,08	9,32	5,98			7,21	4,74	Max. at(m) 7.16
-4.5 m			13.80 *	13.80 *	10.17 *	9,33					7.38 *	6,46	Max. at(m) 5.83

DX255NLC-7 Boom 5900mm Arm 3000mm shoes 600mm

	F 1.5 m	S 1.5 m	F 3 m	S 3 m	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	Max. F	Max. S	Reach (m)
7.5 m							6.40 *	6.40 *			5.12 *	5.12 *	Max. at(m) 6.64
6 m							6.54 *	6.54 *	5.68 *	4,53	4.84 *	4,35	Max. at(m) 7.67
4.5 m							7.29 *	6,31	6.66 *	4,46	4.81 *	3,76	Max. at(m) 8.31
3 m					10.89 *	9,1	8.37 *	5,99	7	4,31	4.96 *	3,46	Max. at(m) 8.64
1.5 m					12.89 *	8,5	9.41 *	5,69	6,83	4,16	5.29 *	3,36	Max. at(m) 8.70
0 m			7.28 *	7.28 *	13.80 *	8,18	9,34	5,49	6,71	4,05	5,62	3,42	Max. at(m) 8.49
-1.5 m	8.35 *	8.35 *	12.68 *	12.68 *	13.69 *	8,1	9,24	5,4	6,66	4,01	6,1	3,69	Max. at(m) 8.00
-3 m	13.90 *	13.90 *	17.53 *	15,95	12.62 *	8,18	9,29	5,44			7,19	4,33	Max. at(m) 7.16
-4.5 m			13.80 *	13.80 *	10.17 *	8,43					7.38 *	5,89	Max. at(m) 5.83

DX255LC-7 Lifting performance monoboam

DX255LC-7 Boom 5900mm Arm 3500mm shoes 600mm CW 5T

	F 1.5 m	S 1.5 m	F 3 m	S 3 m	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	F 9 m	S 9 m	Max. F	Max. S	Reach (m)
7.5 m													4.60 *	4.60 *	Max. at(m) 7.20
6 m									5.90 *	5			4.40 *	4,32	Max. at(m) 8.16
4.5 m							6.72 *	6.72 *	6.22 *	4,9			4.39 *	3,78	Max. at(m) 8.76
3 m					9.99 *	9.99 *	7.85 *	6,61	6.78 *	4,73	4.91 *	3,55	4.52 *	3,5	Max. at(m) 9.07
1.5 m					12.21 *	9,5	9.00 *	6,27	6,86	4,55	5,21	3,47	4.82 *	3,4	Max. at(m) 9.13
0 m			8.42 *	8.42 *	13.49 *	9,07	9,36	6,01	6,7	4,41			5,21	3,45	Max. at(m) 8.93
-1.5 m	8.04 *	8.04 *	12.38 *	12.38 *	13.73 *	8,91	9,21	5,88	6,62	4,33			5,59	3,69	Max. at(m) 8.47
-3 m	12.56 *	12.56 *	18.07 *	17,85	13.03 *	8,93	9,21	5,88	6,65	4,36			6,45	4,24	Max. at(m) 7.68
-4.5 m	18.38 *	18.38 *	15.47 *	15.47 *	11.14 *	9,13	8.15 *	6,03					7.24 *	5,47	Max. at(m) 6.46

DX255NLC-7 Boom 5900mm Arm 3500mm shoes 600mm CW5,5T

	F 1.5 m	S 1.5 m	F 3 m	S 3 m	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	F 9 m	S 9 m	Max. F	Max. S	Reach (m)
7.5 m													4.60 *	4.60 *	Max. at(m) 7.20
6 m									5.90 *	5,3			4.40 *	4.40 *	Max. at(m) 8.16
4.5 m							6.72 *	6.72 *	6.22 *	5,2			4.39 *	4,03	Max. at(m) 8.76
3 m					9.99 *	9.99 *	7.85 *	7,01	6.78 *	5,03	4.91 *	3,79	4.52 *	3,74	Max. at(m) 9.07
1.5 m					12.21 *	10,08	9.00 *	6,66	7,22	4,85	5,5	3,71	4.82 *	3,64	Max. at(m) 9.13
0 m			8.42 *	8.42 *	13.49 *	9,65	9.82 *	6,41	7,07	4,71			5.33 *	3,69	Max. at(m) 8.93
-1.5 m	8.04 *	8.04 *	12.38 *	12.38 *	13.73 *	9,5	9,71	6,28	6,99	4,63			5,9	3,95	Max. at(m) 8.47
-3 m	12.56 *	12.56 *	18.07 *	18.07 *	13.03 *	9,52	9,71	6,28	7,02	4,66			6,8	4,53	Max. at(m) 7.68
-4.5 m	18.38 *	18.38 *	15.47 *	15.47 *	11.14 *	9,72	8.15 *	6,43					7.24 *	5,83	Max. at(m) 6.46

DX255LC-7 Lifting performance artiboom

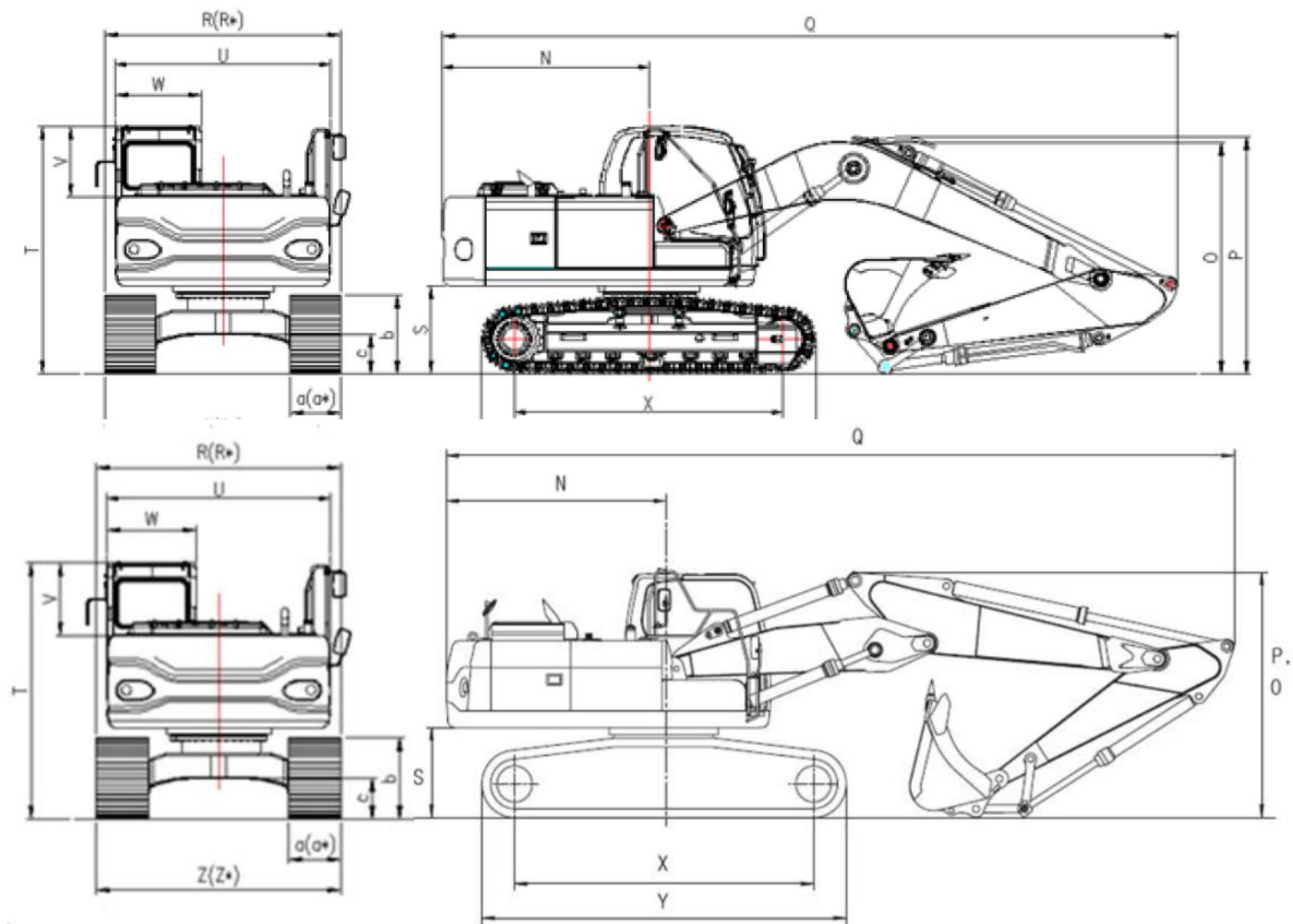
DX255LC-7 ArtiBoom 6090mm Arm 2500mm shoes 600mm

	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	Max. F	Max. S	Reach (m)
9 m	8.69 *	8.69 *					8.48 *	8.48 *	Max. at(m) 4.55
7.5 m	9.42 *	9.42 *	8.56 *	7,05			7.18 *	6,4	Max. at(m) 6.34
6 m	9.99 *	9.99 *	8.62 *	6,99			6.74 *	4,92	Max. at(m) 7.41
4.5 m	11.72 *	10,46	9.20 *	6,72	7,13	4,76	6,32	4,21	Max. at(m) 8.07
3 m	13.26 *	9,63	9.83 *	6,38	6,97	4,61	5,84	3,87	Max. at(m) 8.41
1.5 m			9,5	6,08	6,81	4,47	5,7	3,76	Max. at(m) 8.47
0 m	12.92 *	8,88	9,3	5,91	6,71	4,38	5,87	3,86	Max. at(m) 8.26
-1.5 m	11.19 *	8,9	8.84 *	5,88	6.57 *	4,38	6.06 *	4,21	Max. at(m) 7.75
-3 m	8.48 *	8.48 *	6.69 *	5,99			5.08 *	5,03	Max. at(m) 6.89

DX255NLC-7 ArtiBoom 6090mm Arm 2500mm shoes 600mm

	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	Max. F	Max. S	Reach (m)
9 m	8.69 *	8.69 *					8.48 *	8.48 *	Max. at(m) 4.55
7.5 m	9.42 *	9.42 *	8.56 *	6,47			7.18 *	5,87	Max. at(m) 6.34
6 m	9.99 *	9.99 *	8.62 *	6,42			6.74 *	4,51	Max. at(m) 7.41
4.5 m	11.72 *	9,51	9.20 *	6,15	7,11	4,36	6,3	3,86	Max. at(m) 8.07
3 m	13.26 *	8,7	9,8	5,82	6,95	4,21	5,82	3,54	Max. at(m) 8.41
1.5 m			9,46	5,52	6,79	4,07	5,68	3,43	Max. at(m) 8.47
0 m	12.92 *	7,97	9,27	5,36	6,69	3,98	5,85	3,51	Max. at(m) 8.26
-1.5 m	11.19 *	8	8.84 *	5,33	6.57 *	3,99	6.06 *	3,84	Max. at(m) 7.75
-3 m	8.48 *	8,17	6.69 *	5,44			5.08 *	4,58	Max. at(m) 6.89

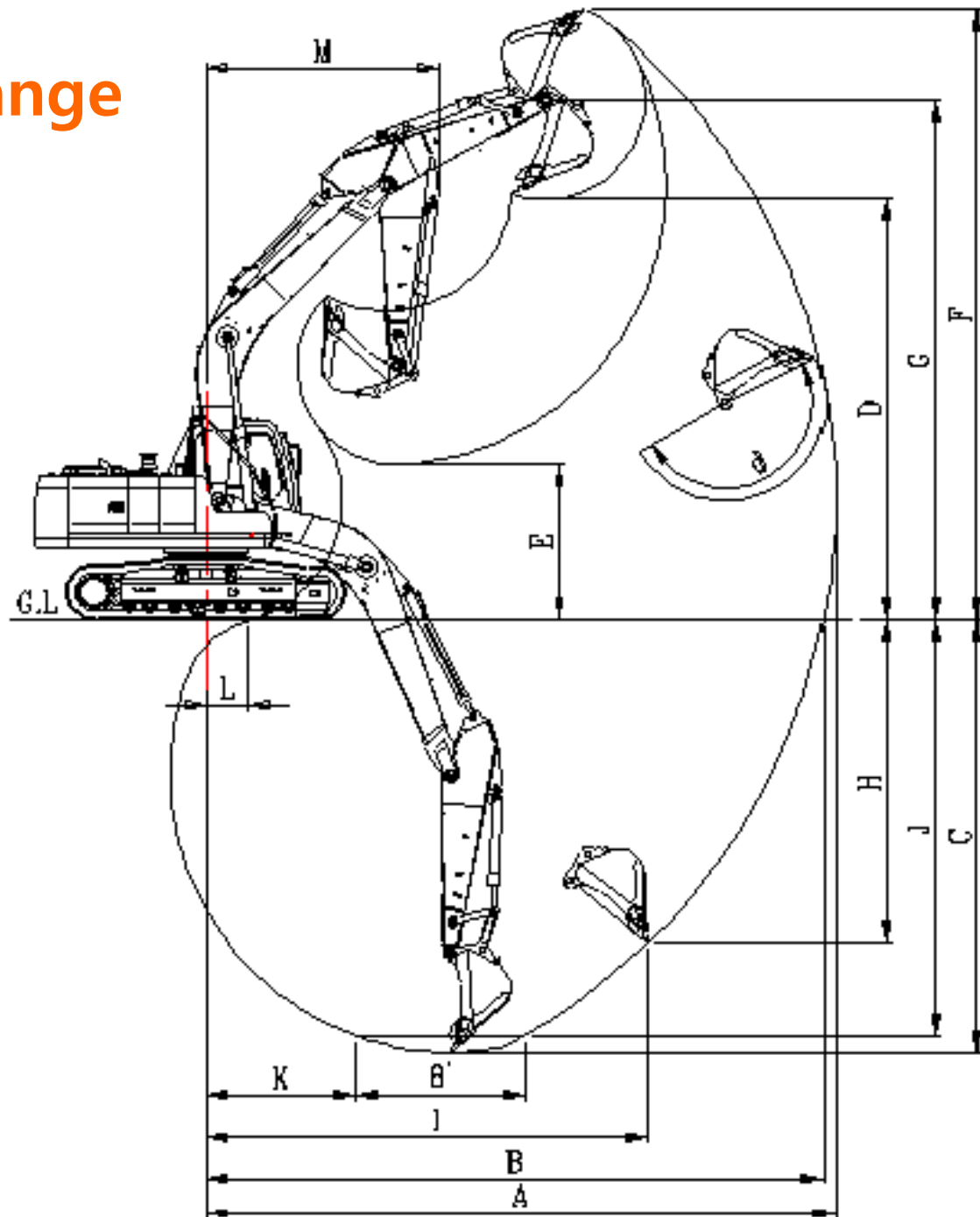
KEY DIMENSIONS DX255LC-7



KEY DIMENSIONS DX255LC-7

BOOM TYPE (mm)			(ONE PIECE) 5900			(TWO PIECES) 6,090		
ARM TYPE (mm)			3000	2500	3500	3000	2500	3500
BUCKET TYPE (SAE) (m ³)			1.10	1.17	0.92	1.10	1.17	0.92
TAIL SWING RADIUS	(mm)	N	3040	←	←	←	←	←
SHIPPING HEIGHT (BOOM)	(mm)	O	2995	3085	3380	3115	3095	3460
SHIPPING HEIGHT (HOSE)	(mm)	P	3200	3300	3555	3115	3095	3500
SHIPPING HEIGHT With Guard Rail	(mm)		3195	←	←	←	←	←
SHIPPING LENGTH	(mm)	Q	10080	10145	10105	10260	10285	10190
SHIPPING WIDTH (STD.)	(mm)	R	3200	←	←	←	←	←
SHIPPING WIDTH (Narrow)	(mm)	R*	3000	←	←	←	←	←
C/WEIGHT CLEARANCE	(mm)	S	1110	←	←	←	←	←
HEIGHT OVER CAB.	(mm)	T	2995	←	←	←	←	←
HOUSE WIDTH	(mm)	U	2710	←	←	←	←	←
CAB. HEIGHT ABOVE HOUSE	(mm)	V	840	←	←	←	←	←
CAB. WIDTH	(mm)	W	1010	←	←	←	←	←
TUMBLER DISTANCE	(mm)	X	3835	←	←	←	←	←
TRACK LENGTH	(mm)	Y	4630	←	←	←	←	←
UNDERCARRIAGE WIDTH (STD.)	(mm)	Z	3200	←	←	←	←	←
UNDERCARRIAGE WIDTH (Narrow.)	(mm)	Z*	3000	←	←	←	←	←
SHOE WIDTH(STD.)	(mm)	a	600	←	←	←	←	←
SHOE WIDTH(Narrow)	(mm)	a*	600	←	←	←	←	←
TRACK HEIGHT	(mm)	b	990	←	←	←	←	←
CAR BODY CLEARANCE	(mm)	c	450	←	←	←	←	←

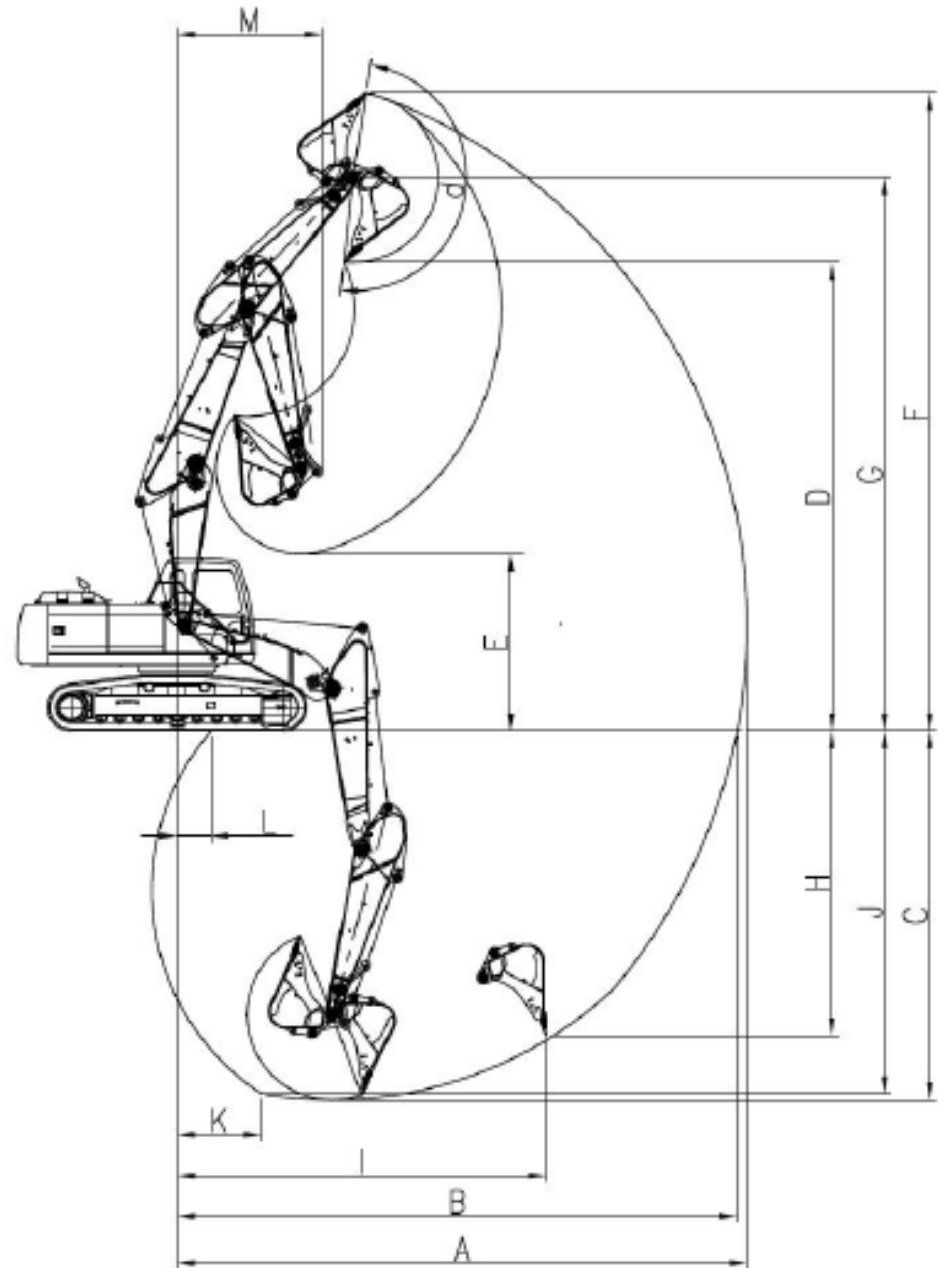
DX255C-7 working range



DX255LC-7 working range monoboomb

BOOM TYPE(ONE PIECE) (mm)			5900		
ARM TYPE (mm)			3000	2500	3500
BUCKET TYPE (SAE) (m ³)			1.10	1.17	0.92
MAX. DIGGING REACH	(mm)	A	10175	9650	10605
MAX. DIGGING REACH (GROUND)	(mm)	B	9995	9455	10430
MAX. DIGGING DEPTH	(mm)	C	6810	6310	7315
MAX. LOADING HEIGHT	(mm)	D	7025	6650	7170
MIN. LOADING HEIGHT	(mm)	E	2600	3100	2090
MAX. DIGGING HEIGHT	(mm)	F	9705	9275	9820
MAX. BUCKET PIN HEIGHT	(mm)	G	8500	8120	8640
MAX. VERTICAL WALL DEPTH	(mm)	H	5200	4450	5520
MAX. RADIUS VERTICAL	(mm)	I	7225	7215	7520
MAX. DEPTH TO 2500mm LINE	(mm)	J	6615	6060	7135
MIN. RADIUS 2500mm LINE	(mm)	K	2930	2845	2945
MIN. DIGGING REACH	(mm)	L	690	1865	190
MIN. SWING RADIUS	(mm)	M	3720	3730	3745
BUCKET ANGLE	(deg)	d	174	174	174

DX255C-7 working range



DX255LC-7 working range artiboom

BOOM TYPE(ONE PIECE) (mm)			6090 (ARTICULATED BOOM)		
ARM TYPE	(mm)		3000	2500	3500
BUCKET TYPE (SAE)	(m ³)		1.10	1.17	0.92
MAX. DIGGING REACH	(mm)	A	10485	9950	10935
MAX. DIGGING REACH (GROUND)	(mm)	B	10310	9765	10765
MAX. DIGGING DEPTH	(mm)	C	6735	6205	7210
MAX. LOADING HEIGHT	(mm)	D	8645	8155	8960
MIN. LOADING HEIGHT	(mm)	E	3500	4100	3090
MAX. DIGGING HEIGHT	(mm)	F	11545	11030	11850
MAX. BUCKET PIN HEIGHT	(mm)	G	10115	9625	10430
MAX. VERTICAL WALL DEPTH	(mm)	H	4680	4655	5645
MAX. RADIUS VERTICAL	(mm)	I	7765	7235	7560
MAX. DEPTH TO 2500mm LINE	(mm)	J	6630	6090	7100
MIN. RADIUS 2500mm LINE	(mm)	K	1675	1675	1735
MIN. SWING RADIUS	(mm)	M	2935	3080	3285
BUCKET ANGLE	(deg)	d	174	174	174

DX255LC-7 Spécifications

DX255LC-7 Options list	
Engine	
Doosan DL06V (5.890 cc) Stage V compliant SCR DOCand DPF, water-cooled diesel engine with Wastegate Turbocharger and air-to-air intercooler. Power 141 kW (189HP) @ 1,900 rpm (SAE J1995)	std
Auto-idle function	std
Auto shut-off	std
No EGR	std
Hydraulic system	
Boom and arm flow regeneration	std
fine swing mode, on or off from cabin	std
Swing anti-rebound valves	std
Spare ports (valve)	std
One-touch power boost function	std
double way line high flow + Breaker piping (PE3C)	std
Cylinder cushioning & contamination seals	std
Clamshell piping (diverter valve from bucket cylinder)	option
Hydraulic piping low flow for rotating or tilting tool (joystick control)	option
Hydraulic piping for quick-coupler	option
Double pump flow	option
floating boom	option

Cab & Interior	
Pressurised sound-insulated and CabSus mounted cab	std
Fully adjustable air suspension seat with heater	std
Air conditioning with climate control	std
Pull-up type front window sun roller blind and removable lower front window	std
Sliding left window	std
Intermittent upper and lower windshield parralel wiper	std
Rain visor	std
Rear window defroster switch	std
Adjustable PPC wrist control levers for arm boom bucket and swing	std
Joysticks &pedals provide proportional control of auxiliary hydraulic lines	std
Pedal for auxiliary control 1 & 2 ways	std
Jog shuttle switch	std
New 8 inch color LCD gauge panel installed with touch-enabled	std
Attachment management system	std
Engine speed (RPM) control dial	std
Automatic travel speed	std
4 operating modes & 4 working modes	std
Multiple storage compartments (e.g. document holder under seat)	std
Storage area (tools etc.)	std
Hot and cool box	std
Flat spacious easy-to-clean floor	std
Keyless start (Smart key) & Remote Door lock/unlock	std
Anti-theft protection	std
12 V spare power socket	std
Serial communication port for laptop PC interface	std
Remote radio ON/OFF switch	std
Loudspeakers and connections for radio	std
RADIO+MP3(STEREO) with Bluetooth Streaming and Handsfree call	std
Rear and side view camera	std
360° Around View Camera	option
360° Around View Camera + ultra sonic detection	option
Fully adjustable air suspension seat (heating & cooling)	option

DX255LC-7 Spécifications

Safety	
Roll Over Protective Structure (ROPS)	std
Boom and arm cylinder safety valves	std
Overload warning device	std
Large guard rails on upper structure and steps	std
Rotating beacon	std
Punched metal anti-slip plates	std
Hydraulic safety lock lever	std
Safety glass	std
Hammer for emergency escape	std
Right and left rear-view mirrors	std
Lockable fuel cap and covers	std
Battery cut-off switch	std
Emergency engine stop switch and hydraulic pump control switch	std
Engine restart prevention system	std
Guard rails (ISO 2867:2011)	std
Parking brake	std
LED 9 Work lights (2 boom lamp, 5 body lamps, 2 additional lamps on cabin)	std
LED Work lights 4 additionnal lamps	option
FOGS cab - top and front cab guards (ISO 10262)	option
Front window upper and lower guards	option

DX255LC-7 Spécifications

Other	
Doosan Connect Telematic system	std
Auto shut-off fuel filler pump	std
Double element air cleaner and pre-filtered Turbo dust separator	std
Fuel pre-filter with water separator sensor	std
Dust screen for radiator/oil cooler	std
Self-diagnostic function	std
Alternator (24 V 100 A) - Battery (2 × 12 V 150 Ah)	std
Hydrostatic drive with 2-speed power shift transmission	std
Remote greasing for swing circle and work group pivot points	std
MonoBoom:5900 mm with 3000 mm arm	std
Arms: 2500 mm arti and monoboom	option
Arms: 3000 mm arti and monoboom	option
Arms: 3500mm arti and monoboom	option
Articulated boom 6.09 m	option
Doosan buckets: full range of GP HD & Rock buckets	option
Doosan breakers and Doosan quick-couplers	option
Automatic lubrication system	option
5,5t counterweight (+500kg vs standard)	option
Air Compressor	option
Undercarriage	
Standard fixed undercarriage 3200 mm with 600mm shoes	std
600 mm triple grouser shoes	std
700 mm triple grouser shoes	option
800 mm triple grouser shoes	option
900 mm triple grouser shoes	option
Narrow fixed undercarriage 2990 mm with 600mm shoes	option

E.O.D

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