



## TECHNICAL SPECIFICATIONS

### ENGINE

MAKE	Doosan
MODEL	G2 D34
NUMBER OF CYLINDERS	4
RATED POWER GROSS (HP PER SAE J1995)	115 hp (86 kW) @ 2000 rpm
RATED POWER NET (HP PER SAE J1349)	101 hp (75 kW) @ 2000 rpm
MAX. TORQUE (GROSS) (SAE J1995)	340 ft.-lb. (460 Nm) @ 1400 rpm
PISTON DISPLACEMENT	208 in. <sup>3</sup> (3.4 L)
BORE AND STROKE	3.9 in. x 4.4 in. (98 mm x 113 mm)
STARTER	24 V, 6.7 hp (5.0 kW)
BATTERY	12 V, 100 AH
ALTERNATOR	24 V, 100 A
AIR CLEANER	Two-Stage

### HYDRAULICS

MAIN PUMPS	2 x 30 gpm (2 x 114 L/min)
PILOT PUMP (GEAR DESIGN)	8 gpm (30 L/min)

### WORKING PRESSURE

BOOM/ARM/BUCKET (NORMAL MODE)	4786 psi (336 kg/cm <sup>2</sup> )
BOOM/ARM/BUCKET (POWER BOOST)	5076 psi (356 kg/cm <sup>2</sup> )
TRAVEL	5076 psi (356 kg/cm <sup>2</sup> )
SWING	3916 psi (275 kg/cm <sup>2</sup> )
PILOT	566 psi (40 kg/cm <sup>2</sup> )

### UNDERCARRIAGE

UPPER ROLLERS (EACH TRACK)	1
LOWER ROLLERS (EACH TRACK)	7
NUMBER OF SHOES (LINKS PER SIDE)	46

### SWING MECHANISM

SWING SPEED	0 – 10 rpm
SWING TORQUE	35,355 lbf.-ft. (4888 kgf-m)

### DRIVE SYSTEM

TRAVEL SPEED [LOW – HIGH]	1.8 – 2.9 mph (2.9 – 4.7 km/h)
TRACTION FORCE, MAX. (DRAWBAR PULL)	33,510 lbf.-ft. (15,200 kgf-m)
MAX. GRADE (LIMITED BY ENGINE LUB)	70% (35°)



### ENVIRONMENT

SOUND LEVEL (2000/14/EC)	100 dB(A)
CABIN SOUND LEVEL (ISO 6396)	72 dB(A)

### REFILL CAPACITIES

FUEL TANK	54.2 gal. (205 L)
DEF TANK	6.6 gal. (25 L)
COOLING SYSTEM (RADIATOR CAPACITY)	6.7 gal. (25.5 L)
ENGINE OIL (WITH FILLER)	3.3 gal. (12.6 L)
SWING DRIVE	0.8 gal. (3 L)
FINAL DRIVE (EACH SIDE)	0.5 gal. (2 L)
HYDRAULIC SYSTEM	34 gal. (128 L)
HYDRAULIC TANK	21.9 gal. (83 L)

### HYDRAULIC CYLINDERS

BOOM <sup>1</sup> (2) BORE x ROD DIAMETER x STROKE	4.3 in. x 3.0 in. x 43.4 in. (110 mm x 75 mm x 1103 mm)
ARM <sup>1,2</sup> (1) BORE x ROD DIAMETER x STROKE	4.5 in. x 3.1 in. x 43.6 in. (115 mm x 80 mm x 1108 mm)
BUCKET (STD) <sup>1</sup> (1) BORE x ROD DIAMETER x STROKE	3.9 in. x 2.8 in. x 35.4 in. (100 mm x 70 mm x 900 mm)

1 Cushion on Rod End  
2 Cushion on Base End

The piston rods and cylinder bodies are made of high-strength steel. A shock-absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extended piston life.

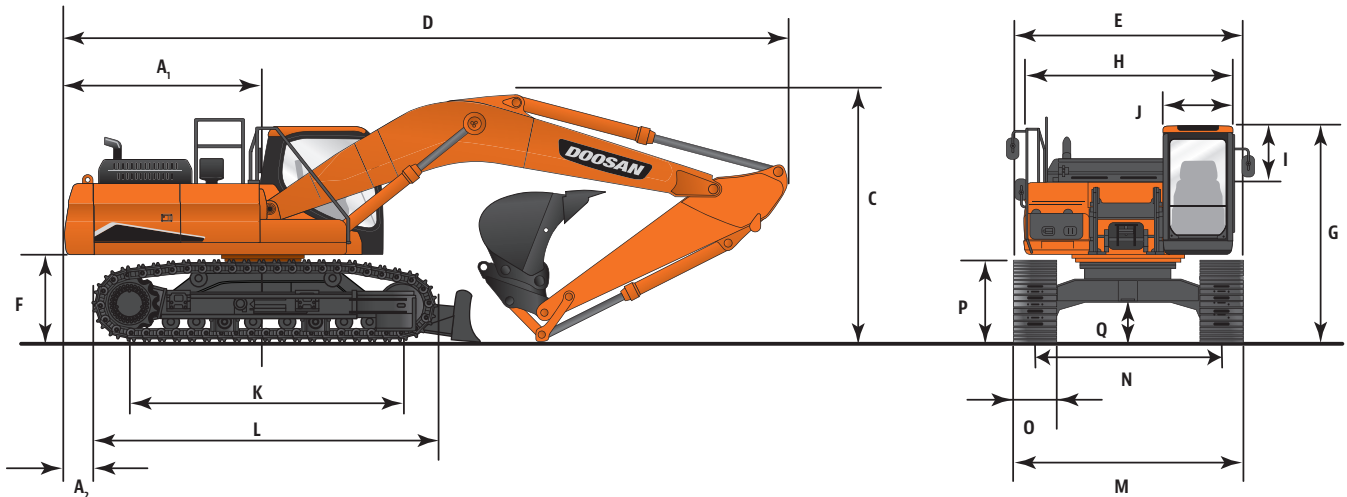
NOTE: Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. All dimensions are given for Doosan excavators equipped with standard tracks and the standard front as listed. Pictures of Doosan excavators may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Doosan equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008.

# DX140LCR

## DIMENSIONS

		STANDARD ARM		STANDARD ARM & DOZER BLADE	
		24" (600 MM) TG SHOE (US20)	20" (500 MM) TG SHOE (US30)	24" (600 MM) TG SHOE (US40)	28" (700 MM) TG SHOE (US50)
BOOM LENGTH		15' 1" (4600 mm)			
ARM LENGTH		9' 10" (3000 mm)			
BUCKET TYPE (SAE)		0.51 yd <sup>3</sup> (0.39 m <sup>3</sup> )			
TRACK TYPE		FIXED			
TAIL SWING RADIUS	A <sub>1</sub>	5' (1524 mm)			
TAIL SWING OVERHANG (REAR)	A <sub>2</sub>	-1' 2" (-353 mm)			
TAIL SWING OVERHANG (SIDE)	A <sub>3</sub>	9" (230 mm)	11" (280 mm)	9" (230 mm)	7" (180 mm)
SHIPPING HEIGHT (BOOM)	B	10' 1" (3065 mm)*			
SHIPPING HEIGHT (HOSE)	C	10' 3" (3135 mm)*			
SHIPPING LENGTH	D	26' 3" (7990 mm)			
SHIPPING WIDTH	E	8' 5" (2590 mm)	8' 2" (2490 mm)	8' 5" (2590 mm)	8' 10" (2690 mm)
COUNTERWEIGHT CLEARANCE	F	2' 11" (895 mm)*			
CABIN HEIGHT	G	9' 5" (2874 mm)*			
UPPER STRUCTURE WIDTH	H	8' 10" (2690mm)			
CABIN HEIGHT ABOVE HOUSE	I	2' 3" (697mm)*			
CABIN WIDTH	J	3' 4" (1022 mm)			
TUMBLER DISTANCE	K	9' 11" (3034 mm)			
OVERALL TRACK LENGTH	L	12' 4" (3754 mm)			
UNDERCARRIAGE WIDTH	M	8' 6" (2590 mm)	8' 2" (2490 mm)	8' 6" (2590 mm)	8' 10" (2690 mm)
TRACK GAUGE WIDTH	N	6' 6" (1990 mm)			
TRACK SHOE WIDTH	O	24" (600 mm)	20" (500 mm)	24" (600 mm)	28" (700 mm)
TRACK HEIGHT	P	2' 5" (743 mm)			
CAR BODY CLEARANCE	Q	1' 3" (382 mm)			

\*Without shoe grouser

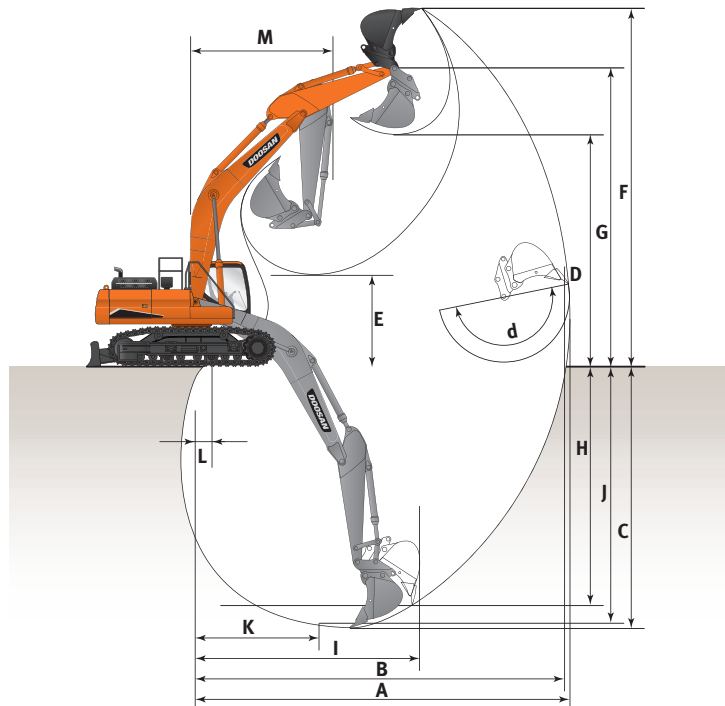


# DX140LCR



## WORKING RANGE

		STANDARD ARM 24" (600 MM) TG SHOE (US20)	STANDARD ARM & DOZER BLADE 24" (600 MM) TG SHOE (US40)	28" (700 MM) TG SHOE (US50)
BOOM LENGTH			15' 1" (4600 mm)	
ARM LENGTH			9' 10" (3000 mm)	
BUCKET TYPE (SAE) PCSA			0.51 yd <sup>3</sup> (0.39 m <sup>3</sup> )	
TRACK TYPE			FIXED	
MAX. DIGGING REACH	A		28' 5" (8665 mm)	
MAX. DIGGING REACH (GROUND)	B		27' 11" (8530 mm)	
MAX. DIGGING DEPTH	C		19' 7" (5985 mm)	
MAX. LOADING HEIGHT	D		23' 2" (7080 mm)	
MIN. LOADING HEIGHT	E		6' 11" (2120 mm)	
MAX. DIGGING HEIGHT	F		31' (9470 mm)	
MAX. BUCKET PIN HEIGHT	G		27' 2" (8300 mm)	
MAX. VERTICAL WALL DEPTH	H		15' 4" (4680 mm)	
MAX. RADIUS VERTICAL	I		19' 7" (5970 mm)	
MAX. DEPTH TO 8' LINE	J		18' 10" (5765 mm)	
MIN. RADIUS 8' LINE	K		6' 8" (2040 mm)	
MIN. DIGGING REACH	L		-5" (-130 mm)	
MIN. SWING RADIUS	M		7' 7" (2320)	
BUCKET ANGLE (DEG)	d		174°	
DIGGING FORCE, BUCKET (PCSA)	ISO		24,471 lbf. (11,100 kgf)	
DIGGING FORCE, ARM			13,228 lbf. (6000 kgf)	
OPERATING WEIGHT		34,946 lb. (15,430 kg)	36,080 lb. (16,400 kg)	36,960 lb. (16,800 kg)
GROUND PRESSURE		5.83 psi (0.41 kg/cm <sup>2</sup> )	5.97 psi (0.42 kg/cm <sup>2</sup> )	5.26 psi (0.37 kg/cm <sup>2</sup> )





	STANDARD ARM (US20)	STANDARD ARM & DOZER BLADE (US30) (US40) (US50)		
BOOM	15' 1" (4600 mm)			
ARM	9' 10" (3000 mm)			
SHOE SIZE	24" (600 mm)	20" (500 mm)	24" (600 mm)	28" (700 mm)
TRACK TYPE	FIXED	FIXED WITH DOZER		
MOUNT	PIN-ON	QUICK-COUPLER	PIN-ON	QUICK-COUPLER
COUNTERWEIGHT	7040 lb. (3200 kg)			

BUCKET TYPE	MODEL	CAPACITY <sup>1</sup> YD <sup>3</sup> (M <sup>3</sup> )	WIDTH IN. (MM)	WEIGHT LB. (KG)				
HEAVY-DUTY	HD14-024	0.44 (0.34)	24 (609.6)	901 (409)	A	A	A	A
	HD14-030	0.59 (0.45)	30 (762)	1001 (454)	A	B	A	B
	HD14-036	0.75 (0.57)	36 (914.4)	1129 (512)	B	B	B	C
	HD14-042	0.91 (0.70)	42 (1066.8)	1222 (554)	C	X	C	X
	HD14-048	1.06 (0.81)	48 (1219.2)	1338 (607)	X	X	X	X
SEVERE-DUTY	SD14-024	0.44 (0.34)	24 (609.6)	931 (422)	A	A	A	A
	SD14-030	0.59 (0.45)	30 (762)	1035 (469)	A	B	A	B
	SD14-036	0.75 (0.57)	36 (914.4)	1154 (523)	B	C	C	X
	SD14-042	0.91 (0.70)	42 (1066.8)	1248 (566)	C	X	C	X
	SD14-048	1.06 (0.81)	48 (1219.2)	1367 (620)	X	X	X	X
DITCHING	DC140-048	0.63 (0.48)	48 (1219.2)	820 (372)	A	B	A	B
	DC140-060	0.80 (0.61)	60 (1524)	985 (447)	B	C	B	C
	HDC140-060	1.38 (1.06)	60 (1524)	1620 (735)	X	X	X	X

1 Capacity based on ISO 7451 and heaped with a 1:1 angle of repose

2 Equipped with Bolt On Wear Shrouds

3 Equipped with Bolt On Teeth

4 Equipped with Bolt On Cutting Edge

5 These recommendations are given as a guide only and based on typical operation conditions

Maximum Suitable Material Density

A 3,370 lb./yd<sup>3</sup> (2000 kg/m<sup>3</sup>)

B 2,700 lb./yd<sup>3</sup> (1600 kg/m<sup>3</sup>)

C 1,850 lb./yd<sup>3</sup> (1100 kg/m<sup>3</sup>)

X Not Approved

Please consult with your Doosan® dealer to properly match buckets and attachments for the application

# DX140LCR

## LIFTING CAPACITY

Rating over front  
 Rating over side or 360°

DX140LCR-7 US20 | BOOM: 15' 1" (4600 MM) | ARM: 9' 10" (3000 MM) | COUNTERWEIGHT: 7,040 LB. (3200 KG) | 24" (600 MM) SHOES | NO DOZER | BUCKET: NONE | UNIT: LB. (KG)

A (ft. or m)	5' (1.5 m)		10' (3.0 m)		15' (4.5 m)		20' (6.0 m)		MAX. REACH		
25' (7.5 m)									* 5,620 (* 2,550)	* 5,620 (* 2,550)	14.00' (-4.27 m)
20' (6.0 m)					* 7,220 (* 3,280)	* 7,220 (* 3,280)			* 4,510 (* 2,050)	* 4,510 (* 2,050)	19.17' (5.91 m)
15' (4.5 m)					* 7,850 (* 3,560)	* 7,850 (* 3,560)	* 7,070 (* 3,210)	5,340 (2,420)	* 4,280 (* 1,940)	* 4,270 (* 1,940)	22.37' (6.82 m)
10' (3.0 m)			* 12,820 (* 5,810)	* 12,820 (* 5,810)	* 10,490 (* 4,760)	8,070 (3,660)	8,060 (3,660)	5,150 (2,340)	* 4,320 (* 1,960)	3,720 (1,690)	23.95' (7.30 m)
5' (1.5 m)			* 20,470 (* 9,290)	13,710 (6,220)	12,210 (5,540)	7,480 (3,390)	7,780 (3,530)	4,900 (2,220)	* 4,590 (* 2,080)	3,500 (1,590)	24.44' (7.45 m)
Ground Level			* 18,400 (* 8,350)	12,740 (5,780)	11,680 (5,300)	7,020 (3,190)	7,540 (3,420)	4,680 (2,120)	* 5,170 (* 2,350)	3,540 (1,600)	23.91' (7.29 m)
-5' (-1.5 m)	* 11,470 (* 5,200)	* 11,470 (* 5,200)	* 22,330 (* 10,130)	12,510 (5,670)	11,430 (5,190)	6,810 (3,090)	7,420 (3,370)	4,570 (2,070)	* 6,240 (* 2,830)	3,870 (1,760)	22.28' (6.79 m)
-10' (-3.0 m)	* 18,080 (* 8,200)	* 18,080 (* 8,200)	* 21,050 (* 9,550)	12,650 (5,740)	11,470 (5,200)	6,840 (3,100)			7,740 (3,510)	4,780 (2,170)	19.25' (5.87 m)
-15' (-4.5 m)			* 14,540 (* 6,600)	13,170 (5,970)					* 9,750 (* 4,420)	7,810 (3,540)	13.92' (4.24 m)

DX140LCR-7 US30 | BOOM: 15' 1" (4600 MM) | ARM: 9' 10" (3000 MM) | COUNTERWEIGHT: 7040 LB. (3200 KG) | 20" (500 MM) SHOES | WITH DOZER UP | BUCKET: NONE | UNIT: LB. (KG)

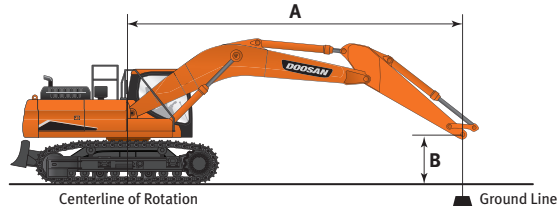
A (ft. or m)	5' (1.5 m)		10' (3.0 m)		15' (4.5 m)		20' (6.0 m)		MAX. REACH		
25' (7.5 m)									* 5,340 (* 2,420)	* 5,340 (* 2,420)	14.24' (4.34 m)
20' (6.0 m)					* 7,220 (* 3,280)	* 7,220 (* 3,280)			* 4,510 (* 2,050)	* 4,510 (* 2,050)	19.41' (5.91 m)
15' (4.5 m)					* 7,850 (* 3,560)	* 7,850 (* 3,560)	* 7,070 (* 3,210)	5,630 (2,560)	* 4,280 (* 1,940)	* 4,280 (* 1,940)	22.37' (6.82 m)
10' (3.0 m)			* 12,820 (* 5,810)	* 12,820 (* 5,810)	* 10,490 (* 4,760)	8,500 (3,850)	* 7,910 (* 3,590)	5,450 (2,470)	* 4,320 (* 1,960)	3,960 (1,790)	23.95' (7.30 m)
5' (1.5 m)			* 20,470 (* 9,290)	14,470 (6,560)	11,990 (5,440)	7,910 (3,590)	7,640 (3,460)	5,200 (2,360)	* 4,590 (* 2,080)	3,730 (1,690)	24.44' (7.45 m)
Ground Level			* 18,400 (* 8,350)	13,490 (6,120)	11,460 (5,200)	7,450 (3,380)	7,390 (3,350)	4,980 (2,260)	* 5,170 (* 2,350)	3,770 (1,710)	23.91' (7.29 m)
-5' (-1.5 m)	* 11,470 (* 5,200)	* 11,470 (* 5,200)	* 22,330 (* 10,130)	13,260 (6,020)	11,210 (5,090)	7,240 (3,280)	7,270 (3,300)	4,870 (2,210)	* 6,110 (* 2,770)	4,130 (1,870)	22.28' (6.79 m)
-10' (-3.0 m)	* 18,080 (* 8,200)	* 18,080 (* 8,200)	* 21,050 (* 9,550)	13,410 (6,080)	11,240 (5,100)	7,260 (3,290)			* 7,590 (* 3,440)	5,080 (2,310)	19.25' (5.87 m)
-15' (-4.5 m)			* 14,540 (* 6,600)	13,930 (6,320)					* 9,750 (* 4,420)	8,270 (3,750)	13.92' (4.24 m)

DX140LCR-7 US40 | BOOM: 15' 1" (4600 MM) | ARM: 9' 10" (3000 MM) | COUNTERWEIGHT: 7040 LB. (3200 KG) | 24" (600 MM) SHOES | WITH DOZER UP | BUCKET: NONE | UNIT: LB. (KG)

A (ft. or m)	5' (1.5 m)		10' (3.0 m)		15' (4.5 m)		20' (6.0 m)		MAX. REACH		
25' (7.5 m)									* 5,324 (* 2,420)	* 5,324 (* 2,420)	14.24' (4.34 m)
20' (6.0 m)					* 7,216 (* 3,280)	* 7,216 (* 3,280)			* 4,510 (* 2,050)	* 4,510 (* 2,050)	19.41' (5.91 m)
15' (4.5 m)					* 7,832 (* 3,560)	* 7,832 (* 3,560)	* 7,062 (* 3,210)	5,698 (2,590)	* 4,268 (* 1,940)	* 4,268 (* 1,940)	22.37' (6.82 m)
10' (3.0 m)			* 12,782 (* 5,810)	* 12,782 (* 5,810)	* 10,472 (* 4,760)	8,602 (3,910)	* 8,030 (* 3,650)	5,522 (2,510)	* 4,312 (* 1,960)	4,004 (1,820)	23.95' (7.30 m)
5' (1.5 m)			* 20,438 (* 9,290)	14,652 (6,660)	12,144 (5,520)	8,008 (3,640)	7,744 (3,520)	5,258 (2,390)	* 4,576 (* 2,080)	3,784 (1,720)	24.44' (7.45 m)
Ground Level			* 18,370 (* 8,350)	13,662 (6,210)	11,616 (5,280)	7,546 (3,430)	7,502 (3,410)	5,038 (2,290)	* 5,170 (* 2,350)	3,828 (1,740)	23.91' (7.29 m)
-5' (-1.5 m)	* 11,440 (* 5,200)	* 11,440 (* 5,200)	* 22,286 (* 10,130)	13,442 (6,110)	11,374 (5,170)	7,326 (3,330)	7,392 (3,360)	4,928 (2,240)	* 6,204 (2,820)	4,180 (1,900)	22.28' (6.79 m)
-10' (-3.0 m)	* 18,040 (* 8,200)	* 18,040 (* 8,200)	* 21,010 (* 9,550)	13,574 (6,170)	11,418 (5,190)	7,370 (3,350)			7,700 (3,500)	5,148 (2,340)	19.25' (5.87 m)
-15' (-4.5 m)			* 14,520 (* 6,600)	14,102 (6,410)					* 9,750 (* 4,420)	8,382 (3,810)	13.92' (4.24 m)



A Distance from center of rotation  
 B Height

NOTE: Lift Capacities are in compliance with SAE 1097 and ISO 10567. Machine in Lifting Mode with Power Boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (\*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and 165 lb (75 kg) operator.













# DX140LCR











## LIFTING CAPACITY

 Rating over front  
 Rating over side or 360°

DX140LCR-7 US50 | BOOM: 15' 1" (4600 MM) | ARM: 9' 10" (3000 MM) | COUNTERWEIGHT: 7040 LB. (3200 KG) | 28" (700 MM) SHOES | WITH DOZER UP | BUCKET: NONE | UNIT: LB. (KG)

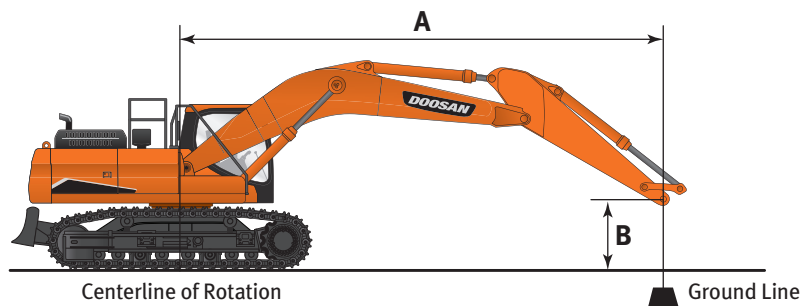
A (ft. or m)	5' (1.5 m)		10' (3.0 m)		15' (4.5 m)		20' (6.0 m)		MAX. REACH		
											A
25' (7.5 m)									* 5,340 (* 2,427)	* 5,340 (* 2,427)	14.24' (4.34 m)
20' (6.0 m)					* 7,230 (* 3,286)	* 7,230 (* 3,286)			* 4,520 (* 2,050)	* 4,520 (* 2,050)	19.41' (5.91 m)
15' (4.5 m)					* 7,860 (* 3,572)	* 7,860 (* 3,572)	* 7,070 (* 3,214)	* 5,810 (2,641)	* 4,280 (* 1,945)	* 4,280 (* 1,945)	22.37' (6.82 m)
10' (3.0 m)			* 12,820 (* 5,827)	* 12,820 (* 5,827)	* 10,500 (* 4,772)	8,750 (3,977)	8,180 (* 3,718)	5,630 (2,559)	* 4,330 (* 1,968)	4,100 (1,864)	23.95' (7.30 m)
5' (1.5 m)			* 20,480 (* 9,309)	14,910 (6,777)	12,380 (5,627)	8,160 (3,709)	7,900 (3,591)	5,370 (2,441)	* 4,600 (* 2,091)	3,870 (1,759)	24.44' (7.45 m)
Ground Level			* 18,400 (* 8,363)	13,940 (6,336)	11,850 (5,386)	7,700 (3,500)	7,660 (3,482)	5,150 (2,340)	* 5,180 (* 2,354)	3,910 (1,777)	23.91' (7.29 m)
-5' (-1.5 m)	* 11,460 (* 5,209)	* 11,460 (* 5,209)	* 22,320 (* 10,145)	13,710 (6,231)	11,600 (5,272)	7,490 (3,404)	7,540 (3,427)	5,040 (2,290)	6,300 (2,864)	4,280 (1,945)	22.28' (6.79 m)
-10' (-3.0 m)	* 18,070 (* 8,213)	* 18,070 (* 8,213)	* 21,060 (* 9,572)	13,850 (6,295)	11,640 (5,291)	7,520 (3,418)			7,860 (3,573)	5,270 (2,395)	19.25' (5.87 m)
-15' (-4.5 m)			* 14,550 (* 6,613)	14,370 (6,531)					* 9,760 (* 4,436)	8,550 (3,886)	13.92' (4.24 m)

DX140LCR-7 US50 | BOOM: 15' 1" (4600 MM) | ARM: 9' 10" (3000 MM) | COUNTERWEIGHT: 7040 LB. (3200 KG) | 28" (700 MM) SHOES | WITH DOZER DOWN | BUCKET: NONE | UNIT: LB. (KG)

A (ft. or m)	5' (1.5 m)		10' (3.0 m)		15' (4.5 m)		20' (6.0 m)		MAX. REACH		
											A
25' (7.5 m)									* 5,340 (* 2,427)	* 5,340 (* 2,427)	14.24' (4.34 m)
20' (6.0 m)					* 7,230 (* 3,286)	* 7,230 (* 3,286)			* 4,520 (* 2,050)	* 4,520 (* 2,050)	19.41' (5.91 m)
15' (4.5 m)					* 7,860 (* 3,572)	* 7,860 (* 3,572)	* 7,070 (* 3,214)	* 7,070 (* 3,214)	* 4,280 (* 1,945)	* 4,280 (* 1,945)	22.37' (6.82 m)
10' (3.0 m)			* 12,820 (* 5,827)	* 12,820 (* 5,827)	* 10,500 (* 4,772)	* 10,500 (* 4,772)	* 8,900 (* 4,045)	7,570 (3,441)	* 4,330 (* 1,968)	* 4,330 (* 1,968)	23.95' (7.30 m)
5' (1.5 m)			* 20,480 (* 9,309)	* 20,480 (* 9,309)	* 13,170 (* 5,986)	11,260 (5,118)	* 10,350 (* 4,704)	7,300 (3,818)	* 4,600 (* 2,091)	* 4,600 (* 2,091)	24.44' (7.45 m)
Ground Level			* 18,400 (* 8,363)	* 18,400 (* 8,363)	* 15,140 (* 6,882)	10,760 (4,891)	* 11,270 (* 5,123)	7,070 (3,214)	* 5,180 (* 2,354)	* 5,180 (* 2,354)	23.91' (7.29 m)
-5' (-1.5 m)	* 11,460 (* 5,209)	* 11,460 (* 5,209)	* 22,320 (* 10,145)	20,540 (9,336)	* 15,620 (* 7,100)	10,520 (4,782)	* 11,380 (* 5,173)	6,960 (3,164)	* 6,300 (2,864)	5,870 (2,668)	22.28' (6.79 m)
-10' (-3.0 m)	* 18,070 (* 8,213)	* 18,070 (* 8,213)	* 21,060 (* 9,572)	20,710 (9,414)	* 14,220 (* 6,464)	10,550 (4,795)			* 8,910 (* 4,050)	7,250 (3,295)	19.25' (5.87 m)
-15' (-4.5 m)			* 14,550 (* 6,613)	* 14,550 (* 6,613)					* 9,760 (* 4,436)	* 9,760 (* 4,436)	13.92' (4.24 m)

A Distance from center of rotation  
B Height

NOTE: Lift Capacities are in compliance with SAE 1097 and ISO 10567. Machine in Lifting Mode with Power Boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (\*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and 165 lb (75 kg) operator.





# STANDARD & OPTIONAL EQUIPMENT

● Standard Equipment  
■ Optional Equipment

## ENGINE

EMISSIONS (EPA)	T4f
HIGH-PRESSURE COMMON-RAIL (HPCR)	●
TURBO, WASTE GATE (WGT)	●
DIESEL OXIDATION CATALYST (DOC)	●
SELECTIVE CATALYST REDUCTION (SCR)	●
DIESEL EXHAUST FLUID (DEF)	●
FUEL FILTER WITH WATER SEPARATOR	●
COOLANT EXPANSION TANK	●
DUAL ELEMENT DRY-TYPE AIR FILTER WITH EVACUATOR	●
ELECTRONIC ENGINE CONTROL (ECU)	●
AUTO IDLE	●
AUTO SHUTDOWN (TIME-ADJUSTABLE)	●
OVERHEAT & LOW OIL PRESSURE ENGINE PROTECTION	●
BLOCK HEATER (110V)	■
WATER SEPARATOR WITH HEATER	■
FUEL FILLER PUMP	■

## HYDRAULIC

ELECTRONIC POWER OPTIMIZING SYSTEM (EPOS)	●
VARIABLE AXIAL PISTON MAIN PUMP (TANDEM)	●
CROSS-SENSING PUMP CONTROL	●
PILOT-OPERATED CONTROL VALVES	●
GEAR PILOT PUMP	●
SMART POWER CONTROL (SPC)	●
VARIABLE-SPEED HYDRAULIC COOLING FAN	●
AXIAL PISTON SWING MOTOR	●
SPRING-APPLIED HYDRAULIC RELEASE BRAKE, SWING MOTOR	●
AXIAL PISTON TRAVEL MOTOR (HIGH/LOW, AUTO)	●
AUXILIARY HYDRAULICS, ONE- & TWO-WAY PIPING	●
AUXILIARY HYDRAULICS, TILT/ROTATE PIPING	■
ADJUSTABLE AUXILIARY FLOW & PRESSURE, 10 PRESETS	●
BREAKER FILTER	■
BOOM & ARM LOCK VALVES	■
CLAMSHELL PIPING	■
STRAIGHT TRAVEL	■

## CABIN

STEEL, ALL-WEATHER & SOUND-SUPPRESSED	●
ROPS (ISO 12117-2:2008)	●
VISCOUS MOUNT WITH SPRING REINFORCEMENT	●
FRONT WINDOW WITH WIPER/WASHER	●
TINTED SAFETY GLASS	●
SKYLIGHT TOP HATCH WITH SUN SCREEN	●
FRONT WINDOW WITH SUN SCREEN	●

## CABIN (CONTINUED)

PULL-UP TYPE TOP FRONT WINDOW	●
REMOVABLE LOWER FRONT WINDOW WITH STORAGE BEHIND SEAT	●
ADJUSTABLE SLIDING SIDE DOOR WINDOW	●
DEFROST, FRONT WINDOW	●
LOCKABLE DOORS	●
SEAT - HEATED - AIR SUSPENSION - 2" (51 MM) SEAT BELT - ADJUSTABLE HEIGHT & RECLINE - ADJUSTABLE FORE/AFT - ADJUSTABLE ARM RESTS	●
LEATHERITTE SEAT - HEATING & COOLING - AIR SUSPENSION - 2" (51 MM) SEAT BELT - ADJUSTABLE HEIGHT & RECLINE - ADJUSTABLE FORE/AFT - ADJUSTABLE ARM RESTS	■
3" (76 MM) SEAT BELT	■
CONTROL STANDS - HEIGHT ADJUSTABLE - MOUNTED TO SEAT BASE	●
STORAGE FOR OPERATOR'S MANUALS	●
MIRRORS	●
FULLY AUTOMATIC HVAC WITH AMBIENT TEMPERATURE SENSOR	●
8" MULTI-FUNCTION LCD INTERACTIVE DISPLAY MONITOR	●
CIGARETTE LIGHTER	●
DIGITAL AUDIO BROADCASTING STEREO	●
SPEAKERS (2)	●
ANTENNA, ROOF-MOUNTED	●
EMERGENCY BREAKOUT TOOL	●
HOT/COLD BEVERAGE COMPARTMENT	●
POWER SOCKET, 12 V & 24 V	●
CUP HOLDER	●
INTERIOR LIGHT	●
COAT HANGER	●
RAIN SHIELD	■
FOG GUARD	■
FRONT WINDOW GUARD	■

## ELECTRICAL

SYSTEM VOLTAGE – 24 V	●
ALTERNATOR – 24 V, 80 AMP	●
2 X 12 V BATTERIES, 100 AH RESERVE CAPACITY, 900 CCA	●
BLADE-TYPE FUSE PANEL	●
MAIN CIRCUIT BREAKER	●
LIGHT, WORK (LED): MACHINE (2), BOOM (2)	●
LIGHT, WORK (LED): 6 CAB TOP, FRONT (4), REAR (2)	■
LIGHT, WORK (LED): 4 CAB TOP, FRONT (2), REAR (2)	■
ROTATING BEACON	■

## ELECTRICAL (CONTINUED)

OVERLOAD WARNING ALARM	■
HOUR METER	●
ENGINE RESTART PREVENTION SYSTEM	●
SIDE VIEW & REARVIEW CAMERA WITH LED LAMPS (3)	●
ALL-AROUND VIEW CAMERA 360°	■
MICROPHONE & SPEAKER	■
LAPTOP SERVICE PORT	●
SELF-DIAGNOSTICS SYSTEM	●
SMART KEY (REMOTE IGNITION KEY)	●
DOOSANCONNECT® TELEMATICS	●
<b>DISPLAY MONITOR &amp; WARNINGS</b>	
INDICATORS - WORK MODES (P+, P, S, E) - USER/SERVICE MENU	●
GAUGES - FUEL LEVEL - DEF LEVEL - ENGINE COOLANT TEMPERATURE - HYDRAULIC OIL TEMPERATURE - ENGINE RPM - BATTERY VOLTAGE - HYDRAULIC PUMP PRESSURE - ECO - DIGITAL CLOCK - TRIP METER - HOUR METER - FUEL CONSUMPTION	●
WARNING & INDICATOR LIGHTS - SEAT BELT - ERROR CODE - SCR WARNING - CHECK ENGINE - ENGINE OIL PRESSURE - ENGINE PRE-HEAT ENGAGED - RADIATOR COOLANT LEVEL & TEMPERATURE - AIR FILTER - FUEL LEVEL - DEF LEVEL – LOW - WATER IN FUEL - BATTERY CHARGE - WORK LIGHTS ON - HYDRAULIC OIL TEMPERATURE - HYDRAULIC CHARGE PRESSURE - HYDRAULIC PILOT FILTER - HYDRAULIC RETURN FILTER	●
SWING ALARM	●
TRAVEL ALARM	●
BUZZER - ENGINE OIL PRESSURE - COOLANT TEMPERATURE	●

## UNDERCARRIAGE

TRACK GUARDS & CHAINS WITH ADJUSTERS	●
TRACK ROLLERS, UPPER	1
TRACK ROLLERS, LOWER	7
IN-SHOE MOTOR PROTECTION	●
SHOES, TRIPLE GROUSER – 500 MM RUBBER SHOE (ROAD LINER)	■
SHOES, TRIPLE GROUSER – 500 MM	■
SHOES, TRIPLE GROUSER – 600 MM	●
SHOES, TRIPLE GROUSER – 700 MM	■
DOZER BLADE, FRONT	■

## CONTROLS

JOYSTICK CONTROLS	●
PATTERN CONTROL CHANGE VALVE (SAE, ISO)	●
JOYSTICK ATTACHMENT CONTROL SWITCHES/BUTTONS - RIGHT (ONE-WAY, TWO-WAY, POWER BOOST) - LEFT (TILT/ROTATE, HORN, ONE-TOUCH DECEL)	●
FOOT PEDAL ATTACHMENT CONTROL	●
CONTROL STANDS - HEIGHT ADJUSTABLE - SLIDING (FORE/AFT) - TILTING ARM RESTS	●
ENGINE SPEED CONTROL DIAL	●
TRAVEL PEDALS WITH HAND LEVERS	●
STRAIGHT TRAVEL PEDAL	■
SWITCHES, CONSOLE-MOUNTED - STARTER BUTTON SWITCH - TRAVEL SPEED SELECTOR - WORK LIGHT - AUXILIARY MODE SWITCH	●
EMERGENCY STOP SWITCH	●
POWER MODES (P+, P, S, E)	●
WORK MODES (DIGGING, LIFTING, BREAKER, SHEAR)	●
SMART POWER CONTROL (SPC)	●
JOG DIAL DISPLAY CONTROL	●
WIPER CONTROL PANEL	●
AUDIO CONTROL PANEL	●
<b>OTHER</b>	
CENTRALIZED LUBRICATION - BOOM - SWING	●
HANDRAILS & SERVICE PLATFORMS	●
SKID-RESISTANT STEPS & SERVICE PLATFORMS	●
MANUALS - OPERATION & MAINTENANCE - PARTS - AEM SAFETY MANUAL	●
DOOSANCONNECT® 3-YEAR SUBSCRIPTION (TELEMATICS)	●
VANDALISM PROTECTION - LOCKABLE PANELS - LOCKABLE FLUID FILL POINTS - ANTI-THEFT PROTECTION (PASSWORD) - VANDALISM WINDOW COVER MOUNT	■



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