

# Doosan Crawler Excavators

MODEL	DX140LC	DX140LCR	DX180LC	DX225LC	DX225LL	DX255LC	DX300LC SLR	DX300LC	DX300LL	DX350LC	DX420LC	DX420LC RCW	DX480LC	DX480LCRCW (750 mm shoes)	DX520LC
Engine	T3	T3	T3	T3	T3	T3	T3	T3	T3	T3	T3	T3	T3	T3	T3
Make	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan
Horsepower, SAE Net hp @ rpm (kw @ rpm)	95 @ 1,850 (71 @ 1,850)	95 @ 1,850 (71 @ 1,850)	118 @ 1,950 (88 @ 1,950)	148 @ 1,900 (110 @ 1,900)	148 @ 1,900 (110 @ 1,900)	166 @ 1,900 (124 @ 1,900)	197 @ 1,900 (147 @ 1,900)	197 @ 1,900 (147 @ 1,900)	197 @ 1,900 (147 @ 1,900)	271 @ 1,750 (202 @ 1,750)	292 @ 1,800 (218 @ 1,800)	292 @ 1,800 (218 @ 1,800)	329 @ 1,800 (245 @ 1,800)	329 @ 1,800 (245 @ 1,800)	329 @ 1,800 (245 @ 1,800)
Torque, Net ft lb @ rpm (kgf.m @ rpm)	325 @ 1,400 (45 @ 1,400)	325 @ 1,400 (45 @ 1,400)	333 @ 1,450 (46 @ 1,450)	492 @ 1,400 (68 @ 1,400)	492 @ 1,400 (68 @ 1,400)	564 @ 1,400 (78 @ 1,400)	673 @ 1,300 (93 @ 1,300)	673 @ 1,300 (93 @ 1,300)	673 @ 1,300 (93 @ 1,300)	832 @ 1,300 (115 @ 1,300)	1,013 @ 1,300 (140 @ 1,300)	1,013 @ 1,300 (140 @ 1,300)	1,136 @ 1,300 (157 @ 1,300)	1,136 @ 1,300 (157 @ 1,300)	1,136 @ 1,300 (157 @ 1,300)
Dimensions															
Operating Weight lb (kg)	30,865 (14,000)	31,923 (14,480)	38,934 (17,660)	48,720 (22,099)	65,036 (29,500)	55,556 (25,200)	66,139 (30,000)	66,580 (30,200)	77,382 (35,100)	77,603 (35,200)	92,369 (41,898)	92,369 (41,898)	108,644 (49,280)	108,908 (49,400)	111,774 (50,700)
Max. Reach @ Ground Level ft in (mm)	25'3" (7,690)	30'8" (9,340)	29'6" (8,980)	31'11" (9,730)	36'3" (11,036)	32'10" (10,010)	57'1" (17,405)	35'3" (10,745)	38'3" (11,650)	36'0" (10,975)	37'0" (11,290)	37'0" (11,290)	38'11" (11,870)	38'11" (11,870)	34'4" (10,460)
Max. Dump Height ft in (mm)	19'3" (5,875)	21'3" (6,490)	21'3" (6,490)	22'11" (6,990)	42'5" (12,919)	22'9" (6,925)	39'2" (11,930)	23'10" (7,266)	44'7" (13,580)	23'7" (7,196)	25'7" (7,795)	25'7" (7,795)	25'10" (7,880)	25'10" (7,880)	22'1" (6,720)
Max. Digging Depth ft in (mm)	17'3" (5,250)	21'9" (6,620)	20'1" (6,120)	21'9" (6,630)	11'2" (3,408)	22'4" (6,815)	45'6" (13,875)	24'2" (7,360)	12'3" (3,728)	24'9" (7,533)	25'4" (7,730)	25'4" (7,730)	25'7" (7,810)	25'7" (7,810)	22'3" (6,770)
Swing Torque ft lb (kgf.m)	24,086 (3,330)	33,988 (4,699)	33,988 (4,699)	46,848 (6,477)	47,883 (6,620)	71,289 (9,856)	72,836 (10,070)	72,836 (10,070)	72,836 (10,070)	84,337 (11,660)	94,753 (13,100)	94,753 (13,100)	93,906 (12,900)	93,306 (12,900)	93,306 (12,900)
Drawbar Pull/Tractive Effort lbf (kgf)	26,432 (11,989)	34,272 (15,546)	34,272 (15,546)	49,728 (22,556)	49,728 (22,556)	48,384 (21,947)	56,448 (25,604)	56,448 (25,604)	62,272 (28,246)	59,525 (27,000)	72,800 (33,022)	72,800 (33,022)	75,264 (34,139)	72,800 (33,022)	75,264 (34,139)
Breakout Force															
Arm (Boost) lbf (kgf)	14,112 (6,401)	13,440 (6,096)	19,936 (9,043)	24,192 (10,973)	N/A (NA)	27,104 (12,294)	16,352 (7,417)	30,016 (13,615)	N/A (NA)	38,752 (17,578)	43,232 (19,610)	43,232 (19,610)	43,232 (19,610)	49,280 (22,353)	56,896 (25,808)
Bucket (Boost) lbf (kgf)	21,504 (9,754)	24,640 (11,177)	25,312 (11,481)	34,048 (15,444)	N/A (NA)	36,064 (16,358)	19,264 (8,738)	40,320 (18,289)	N/A (NA)	48,608 (22,048)	54,208 (24,588)	54,208 (24,588)	54,208 (24,588)	60,927 (27,636)	61,600 (27,941)
Transportability															
Overall Height ft in (mm)	8'9" (2,655)	9'2" (2,795)	9'5" (2,875)	9'10" (3,005)	14'10" (4,530)	10'2" (3,100)	11'4" (3,455)	11'0" (3,345)	11'9" (3,590)	11'0" (3,360)	11'5" (3,480)	11'5" (3,480)	12'3" (3,730)	12'3" (3,730)	13'9" (4,200)
Overall Length ft in (mm)	26'5" (8,060)	23'7" (7,195)	28'6" (8,700)	31'1" (9,485)	45'9" (13,947)	33'0" (10,055)	47'2" (14,370)	34'10" (10,620)	47'8" (14,540)	37'0" (11,280)	38'3" (11,660)	38'3" (11,660)	39'10" (12,130)	39'10" (12,130)	37'6" (11,430)
Overall Width ft in (mm)	8'6" (2,590)	8'6" (2,590)	9'4" (2,850)	10'2" (3,090)	11'10" (3,600)	10'10" (3,300)	10'10" (3,300)	10'10" (3,300)	11'10" (3,600)	11'5" (3,480)	11'4" (3,450)	11'4" (3,450)	13'11" (4,240)	9'0" (2,750)	9'0" (2,750)
Hydraulic System															
Pump Output gpm (lpm)	2 x 40.2 (2 x 152.0)	2 x 40.2 (2 x 152.0)	2 x 40.2 (2 x 152.0)	2 x 54.7 (2 x 207.0)	2 x 58.2 (2 x 220.2)	2 x 57.9 (2 x 219.0)	2 x 65.3 (2 x 247.0)	2 x 65.3 (2 x 247.0)	2 x 65.3 (2 x 247.0)	2 x 76.3 (2 x 289.0)	2 x 83.2 (2 x 315.0)	2 x 83.2 (2 x 315.0)	2 x 93.8 (2 x 355.0)	2 x 93.8 (2 x 355.0)	2 x 93.8 (2 x 355.0)
System Relief Pressure (Boost) psi (bar)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)	5,366 (370)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)	5,076 (350)