

Doosan Compact Excavators

MODEL	DX27Z	DX30Z	DX35Z	DX55	DX60R	DX80R
Engine	T3	T3	T3	T3	T3	T3
Make	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar
Horsepower, SAE Net hp @ rpm (kw @ rpm)	21 @ 2,000 (16 @ 2,000)	33 @ 2,400 (24 @ 2,400)	27 @ 2,200 (20 @ 2,200)	56 @ 2,200 (42 @ 2,200)	51 @ 2,200 (38 @ 2,200)	55 @ 2,000 (41 @ 2,000)
Torque, Net ft lb @ rpm (kgf.m @ rpm)	64 @ 1,000 (9 @ 1,000)	65 @ 1,200 (9 @ 1,200)	80 @ 1,200 (11 @ 1,200)	181 @ 1,200 (25 @ 1,200)	137 @ 1,400 (19 @ 1,400)	166 @ 1,300 (23 @ 1,300)
Dimensions						
Operating Weight lb (kg)	6,151 (2,790)	7,011 (3,180)	7,848 (3,560)	12,346 (5,600)	13,283 (6,025)	18,475 (8,380)
Max. Reach @ Ground Level ft in (mm)	14'9" (4,505)	16'0" (4,882)	16'8" (5,090)	20'3" (6,160)	20'1" (6,130)	21'10" (6,965)
Max. Dump Height ft in (mm)	9'1" (2,775)	10'3" (3,122)	11'0" (3,350)	13'5" (4,080)	12' 11" (3,940)	15'6" (4,720)
Max. Digging Depth ft in (mm)	8'2" (2,490)	9'4" (2,838)	9'11" (3,025)	12'5" (3,785)	12' 3" (3,725)	13'7" (4,150)
Swing Torque ft lb (kgf.m)	3,219 (445)	5,034 (696)	5,702 (789)	9,222 (1,275)	9,222 (1,275)	12,151 (1,680)
Drawbar Pull/Ttractive Effort lbf (kgf)	5,376 (2,439)	6,160 (2,794)	10,080 (4,572)	10,528 (4,775)	11,200 (5,080)	13,888 (6,299)
Breakout Force						
Arm (Boost) lbf (kgf)	3,135 (1,422)	4,032 (1,829)	4,705 (2,134)	6,272 (2,845)	6,048 (2,743)	9,408 (4,267)
Bucket (Boost) lbf (kgf)	4,480 (2,032)	6,272 (2,845)	6,720 (3,048)	9,408 (4,267)	9,117 (4,135)	12,544 (5,690)
Transportability						
Overall Height ft in (mm)	8'0" (2,445)	8'2" (2,480)	8'3" (2,515)	8'2" (2,500)	8'4" (2,550)	8'8" (2,638)
Overall Length ft in (mm)	13'4" (4,060)	14'9" (4,507)	15'3" (4,645)	19'4" (5,900)	18' 3" (5,565)	20'3" (6,167)
Overall Width ft in (mm)	5'2" (1,570)	5'1" (1,550)	5'7" (1,700)	6'2" (1,880)	6' 6" (1,980)	7'7" (2,300)
Hydraulic System						
Pump Output gpm (lpm)	2 x 3.2 (2 x 12.0)	2 x 9.8 (2 x 37.2)	2 x 10.2 (2 x 38.5)	2 x 14.5 (2 x 55.0)	2 x 13.0 (2 x 49.3)	2 x 38.0 (2 x 144.0)
System Relief Pressure (Boost) psi (bar)	3,133 (216)	2,988 (206)	3,278 (226)	2,987 (206)	2,988 (206)	4,409 (304)