

CX55B Excavator | 2015



CX55B Excavator Specifications

Technical Data

Base operating weight - approximate

Base - Total 5 130 kg

Based on 75kg operator, 112kg bucket, full fuel and standard equipment

Engine data

Model Yanmar 4TNV88-C-PYB

No. of cylinders 4

Type Direct fuel injected, liquid cooling, full-flow filtration

Bore & stroke 88 x 90 mm

Displacement 2.2 L

Engine certified to: Tier 4 Final

Electrical system 24 volt – 1920 watt (80 amp) alternator

Voltage 12 volts – Negative ground

Alternator rating 55 amp

Battery 12 volt low-maintenance

Drivetrain

Travel speeds Forward/Reverse

Low 2.2 kph

High 4.0 kph

Drawbar pull 54.9 kN

Gradeability 30° slope

Other Specifications

Swing/Dozer blade speed 0 – 8.5 RPM

Swing/Dozer blade brake Hydraulic brake

Boom:

Swing 70° left / 59° right

Length 3 100 mm

Arm length 1 690 mm

Number of rollers:

Top 1 per side

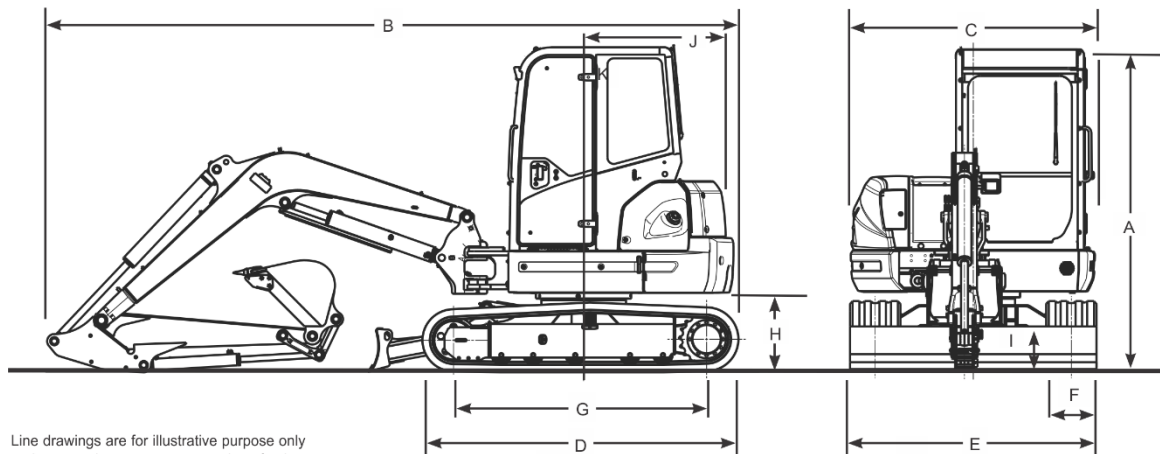
Bottom 5 per side

Dozer blade travel Up/Down 375 mm / 385 mm



Dimensions (all dimensions are approximate)

A = Overall height	2.53 m	F = Track shoe width	400 mm	
B = Overall length	5.50 m	G = Centre to centre – idler to sprocket	1.99 m	
C = Width of upper structure	1.94 m	H = Upper structure ground clearance	0.61 m	
D = Track overall length	2.50 m	I = Backfill blade height	0.35 m	
E = Track overall width (with 400 mm shoes)	1.96 m	J = Tail swing radius	1.17 m	
Boom swing	Left/Right	70° / 59°	Tail swing overhang	0.19 m
Operating weight	5 130 kg	Ground pressure	4.35 psi	

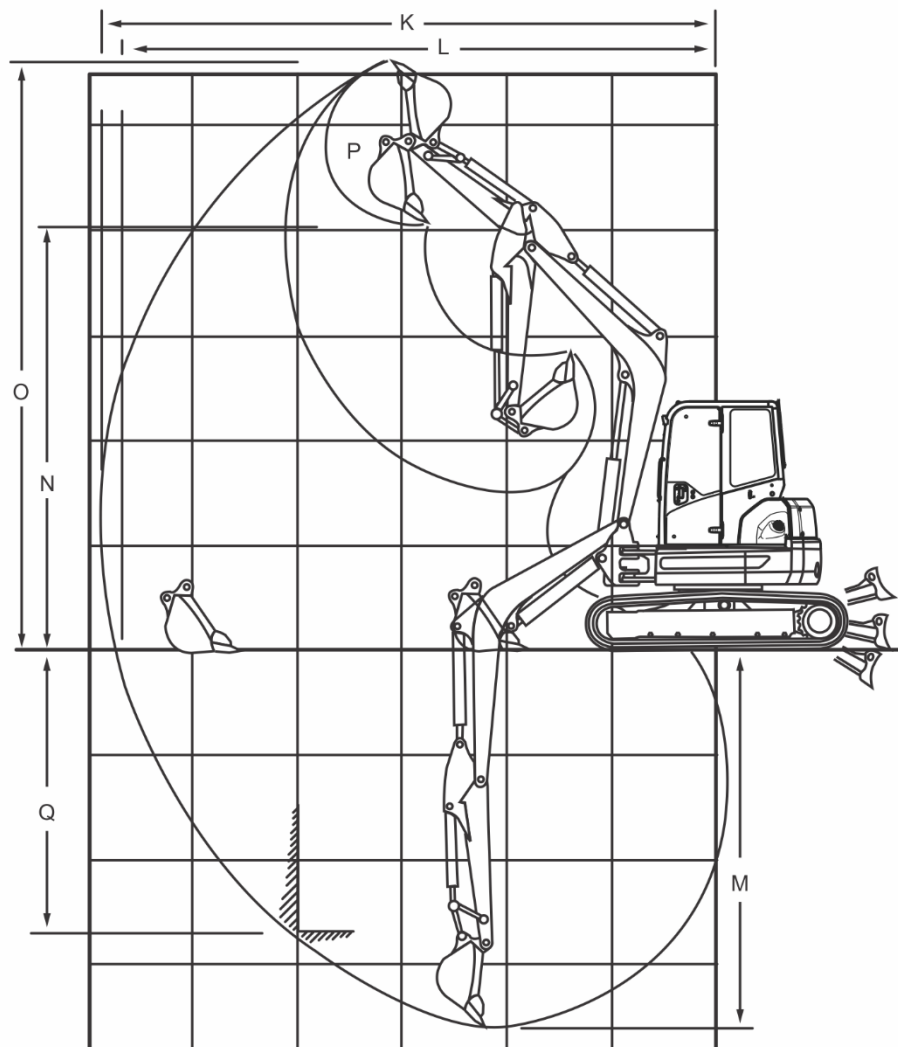


Line drawings are for illustrative purpose only and may not be exact representation of unit.



Performance specs (with 1.69 Arm)

K = Maximum dig radius	6.24 m	O = Overall reach height	5.93 m
L = Dig radius at groundline	6.10 m	P = Bucket rotation	178°
M = Maximum dig depth	3.90 m	Q = Vertical straight wall dig depth	3.14 m
N = Dump height	4.35 m	Arm digging force	23.6 kN
Bucket digging force, 1 position bucket	31.1 kN	Bucket digging force 2 position bucket	49.4 kN



Lifting Capacity

1.69 m - Lift capacities using 400 mm shoes, 250 kg counterweight and 112 kg bucket, blade down

	REACH														
	1.5 m		2.3 m		3.0 m		3.8 m		4.6 m		5.3 m		At max reach		
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	m
4.6 m							780*	780*					850*	850*	4.11
3.8 m							750*	750*	830*	730			810	670	4.76
3.0 m							840*	840*	850*	720			690	570	5.17
2.3 m					1 190*	1 190*	1 030*	950	850	700	650	530	630	510	5.43
1.5 m			2 230*	1 990	1 590	1 280	1 110	910	830	680	630	520	590	480	5.54
0.8 m			1 310*	1 310*	1 510	1 210	1 060	870	800	650	620	510	590	480	5.53
0 m			1 810*	1 810*	1 460	1 170	1 030	830	780	630	610	500	600	490	5.39
-0.8 m	1 810*	1 810*	2 420	1 850	1 450	1 150	1 020	820	770	630			650	530	5.11
-1.5 m	2 630*	2 630*	2 450	1 870	1 460	1 160	1 020	830	780	630			760	620	4.65
-2.3 m	3 640*	3 640*	2 500	1 910	1 490	1 180	1 040	850					990	810	3.95
-3.0 m	2 630*	2 630*	1 600*	1 600*									1 260*	1 260*	2.71

* Lift capacities do not exceed 75% of the minimum tipping load or 87% of the hydraulic lift capacity.
Capacities that are marked with an asterisk (*) are hydraulic limited

