

## SPECIFICATION

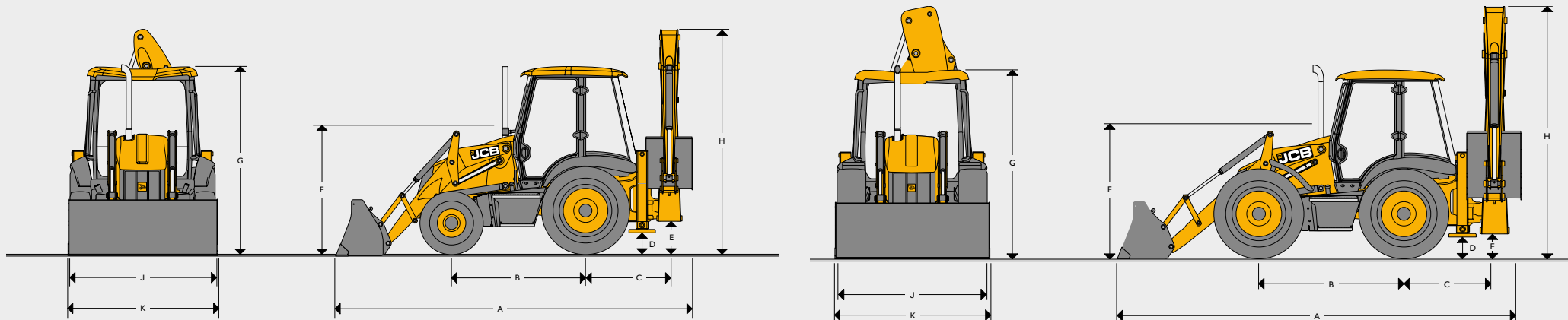


### **MILLIONTH BACKHOE LOADER** | 3CX PRO / 4CX PRO / 5CX PRO

Gross power: 55 - 81kW (74 - 109hp) | Maximum dig depth: 6.51m | Operating weight: 7887 - 9500kg

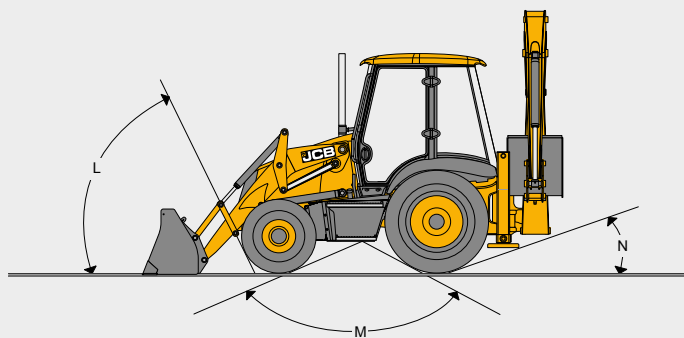


## STATIC DIMENSIONS



Dimensions in m	3CX PRO	4CX PRO	5CX PRO
A Total travel length	5.62	5.91	5.91
B Axle centreline distance	2.17	2.22	2.22
C Slew centre to rear axle centre distance	1.36	1.36	1.36
D Stabiliser feet clearance	0.37	0.34	0.34
E Kingpost clearance	0.52	0.50	0.50
F Steering wheel centre height	1.94	1.88	1.88
G Cab roof height	3.03	3.03	3.03
H Total travel clearance	3.61	3.62	3.97
J Rear frame width	2.35	2.36	2.36
K Shovel width	2.35	2.33	2.33
K Shovel width - option	-	2.44	2.44

\* Narrow option



## GROUND LINE ANGLES

Machine model		3CX PRO	4CX PRO, 5CX PRO
L Approach angle	degrees	66°	74°
M Interference angle/ramp to ground plane	degrees	120°	118°
N Departure angle	degrees	20°	19°

## SPECIFICATION

## 3CX PRO/ 4CX PRO/ 5CX PRO MILLIONTH BACKHOE LOADER

ENGINE		
Model	3CX PRO 4CX PRO 5CX PRO	
Engine standard	Stage V	
Manufacturer	JCB	
Aspiration	Turbocharged & Intercooled	
Displacement	litre	4.8
No. of cylinders		4
Bore	mm	106
Stroke	mm	112
Rated engine	rpm	2200
<b>Power ratings</b>		
Rated ISO 14396 (SAE J1995 Gross)	kW/hp	81/109
<b>Maximum torque</b>		
Max. torque rpm	Nm	516
Max. torque rpm	rpm	1450

\* Model not available in all regions

ELECTRICAL AND INSTRUMENTATION	
Camera system (optional)	Quick hitch mounted and cab roof camera with 7" colour screen
7" colour display screen	Audio and phone, controls, engine coolant temperature, fuel level, machine hours, help files, service alerts, clock, help videos
Front display	Speedometer, warning alerts, engine oil, water in fuel, transmission oil temperature and pressure, park brake, air cleaner, alternator
Battery	1000 CCA (120 amp)
Horn	Controlled from both front and rear
Alternator	170 amp
Front working lights	4 x 2000 lumen LED adjustable lights (option)
Rear working lights	6 x 2000 lumen LED adjustable lights (option)
Green beacon (optional UK only)	Wiring, magnetic mount and 1 roof mounted green beacon light

ENGINE SUPPORT SYSTEM	
Fuel type	Diesel
Fuel filter	Replaceable cartridge plus water/sediment separator prefilter
Air cleaner	Dual, dry element type, with self cleaning internal air intake precleaner
Oil filter and lubrication	Full flow, spin-on type filter
Cooling system	Hot climate specification, pressurised 1.0 bar suction fan. Pressurised recovery tank with integral filler neck

TRANSMISSION				
Model		3CX PRO 40KPH	3CX PRO 50KPH	4CX PRO, 5CX PRO
Manufacturer		JCB	JCB	JCB
Type		Autoshift**	Autoshift**	Autoshift
TorqueLock		Standard	Standard	Standard
Gear 1	kph	5	5	5
Gear 2	kph	9	9	9
Gear 3	kph	13	13	13
Gear 4	kph	19	19	19
Gear 5	kph	35	35	35
Gear 6	kph	40*	50	43

\* Regional dependent.

\*\* Engine Speed at 2200rpm on 400/70-20 Front Tyres and 480/80-R26 Rear Tyres.

OPERATING WEIGHTS				
Machine model		3CX PRO	4CX PRO	5CX PRO
Extended dipper	kg	8600	9350	9500
Operating weight to ISO 6016 includes machine with 6-in-1 shovel, 600mm excavator bucket and a full fuel tank and operator. Actual weight will vary depending on machine options.				

FRONT AXLE		
Model	3CX PRO	4CX PRO, 5CX PRO
Type	JCB steer drive with torque proportional	JCB epicyclic hub reduction with torque proportional
Limited slip	-	-
Axle ratings	kg	kg
Static load rating	16500	25000
Dynamic load rating	8300	12500
Oscillation angle	16°	16°

REAR AXLE		
Model	3CX PRO	4CX PRO, 5CX PRO
Type	JCB epicyclic hub reduction with torque proportional	JCB epicyclic hub reduction with torque proportional
Limited slip	Std	Std
Axle ratings	kg	kg
Static load rating	25000	25000
Dynamic load rating	12500	12500

STEERING MODES		
Model	3CX PRO	4CX PRO, 5CX PRO
Axles	Steer drive	Steer drive
Steering turns - lock to lock	2¾	2¾
	m	m
Kerb – kerb turning circle - unbraked	8.1	9.1
Loader clearance circle - unbraked	10.4	10.7
Kerb – kerb turning circle - braked	6.9	8.0
Loader clearance circle - braked	9.5	9.5
(Depending on tyre size, ground conditions etc.)		

STEERING		
Model	3CX PRO	4CX PRO, 5CX PRO
2WS	✓	✓
AWS	-	✓
Crab steer	-	✓

HYDRAULIC SYSTEM		
Piston pump flow @ 2200rpm	l/min	165
System relief pressure	bar	251
Loader auxiliary flow	l/min	140
Smooth Ride System SRS standard.		

OPTIONAL ACCESSORIES	
<b>Tyres</b> - 3CX PRO - Michelin XMCL 20/26, 4CX PRO & 5CX PRO - Michelin XMCL 28/28, Michelin Power CL 28/28, Michelin Bibload 28/28.	

**Hydraulics** - Hand-held tool circuit, 9m hose reel.

**Machine features** - Grid heaters.

**Machine and site protection** - Fuel tank guards, Biodegradable oil.

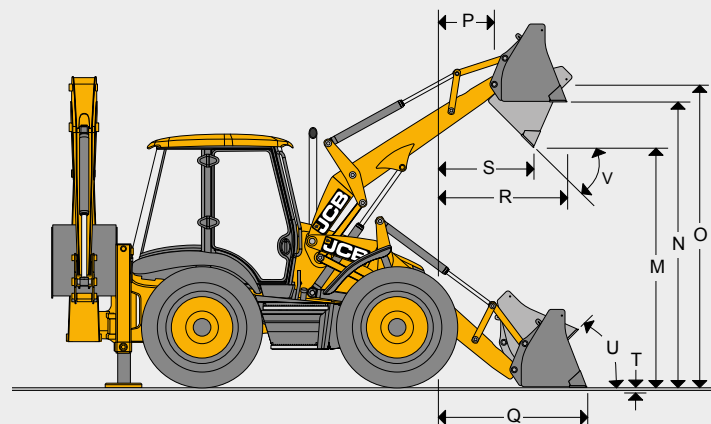
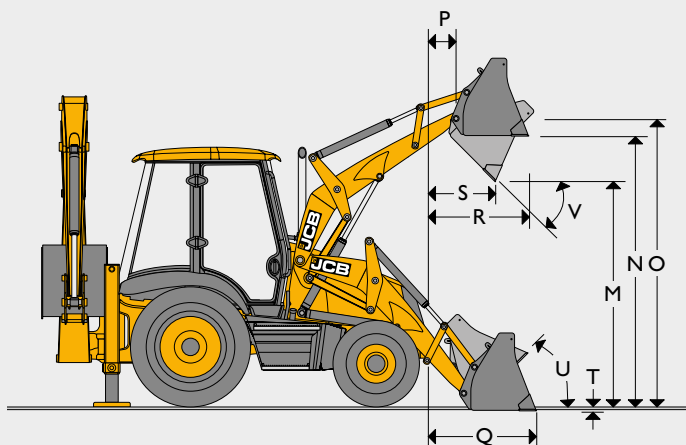
**Attachments** - Excavator buckets (300mm to 900mm), Ditching buckets (1542mm to 1828mm), 6-in-1 front shovel (1m³ to 1.3m³).

**Safety and security** - Reverse alarm, green beacon (UK).

NOISE AND VIBRATION LEVELS	
Internal dB(A)	75dB(A)
External dB(A)	102
Vibration	Hand arm vibration 2.5m/s² - Whole body vibration 0.5m/s²

SERVICE CAPACITIES		
Model	3CX PRO	4CX PRO, 5CX PRO
Cooling system	ltr	18.5
Def tank	ltr	20
Fuel tank	ltr	130
Engine oil with filter	ltr	15
Gearbox with filter	ltr	16
Rear axle	ltr	16
Front drive axle	ltr	16
Hydraulic system incl. tank	ltr	117

## LOADER DIMENSIONS



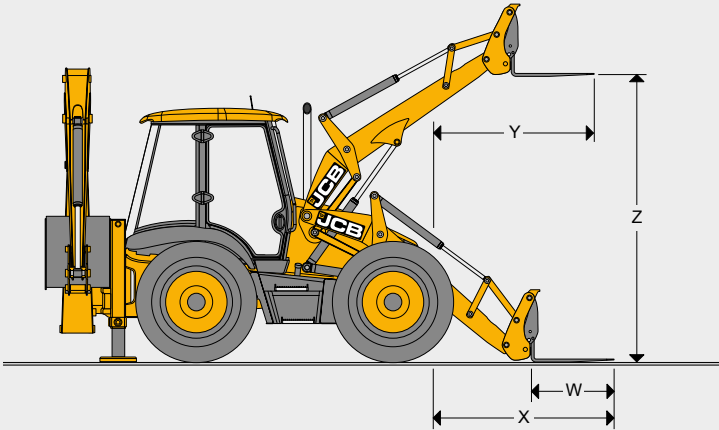
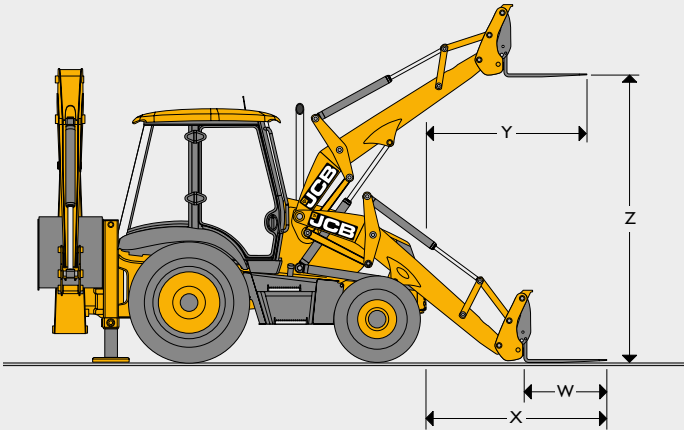
Model			3CX PRO	4CX PRO, 5CX PRO
			6-in-1 shovel	6-in-1 shovel
M	Dump height	m	2.72	2.69
N	Load over height	m	3.20	3.18
O	Loader hinge pin height	m	3.45	3.46
P	Pin forward reach	m	0.36	0.41
Q	Reach at ground (toe plate horizontal)	m	1.37	1.39
R	Max. reach at full height	m	1.15	1.17
S	Reach at full height fully dumped	m	0.78	0.76
T	Dig depth	m	0.10	0.18
U	Roll back at ground	degrees	45°	45°
V	Dump angle	degrees	43°	45°
	Jaw opening width	m	0.95	0.95

## LOADER PERFORMANCE

Model			3CX PRO	4CX PRO, 5CX PRO
			6-in-1 shovel	6-in-1 shovel
Loader breakout – shovel	kgf		6531	6590
Loader breakout – arms	kgf		6203	5730
Rated operating capacity 7'8"	kgf		3169	–
Rated operating capacity	kg		–	–
Clamping force	kgf		2940	2945

\*Rated operating capacity as determined according to ISO 14397: 2007

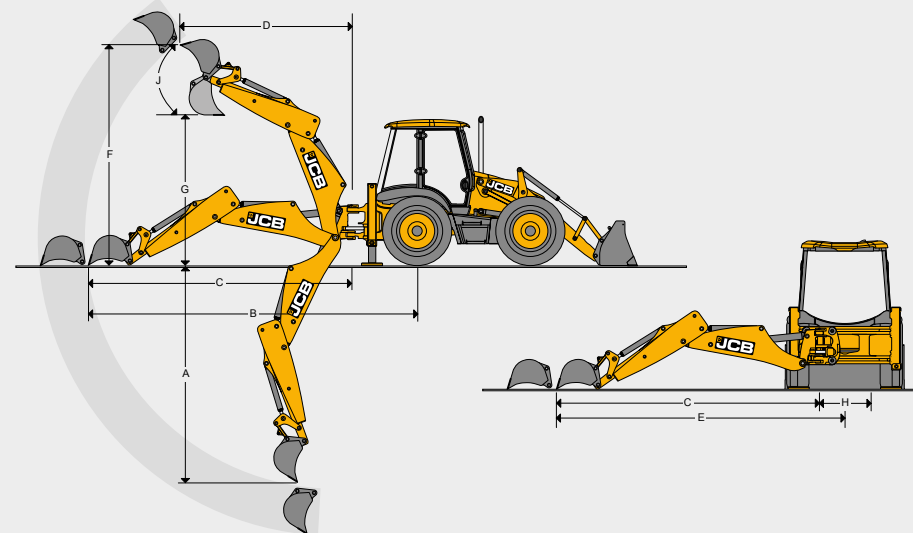
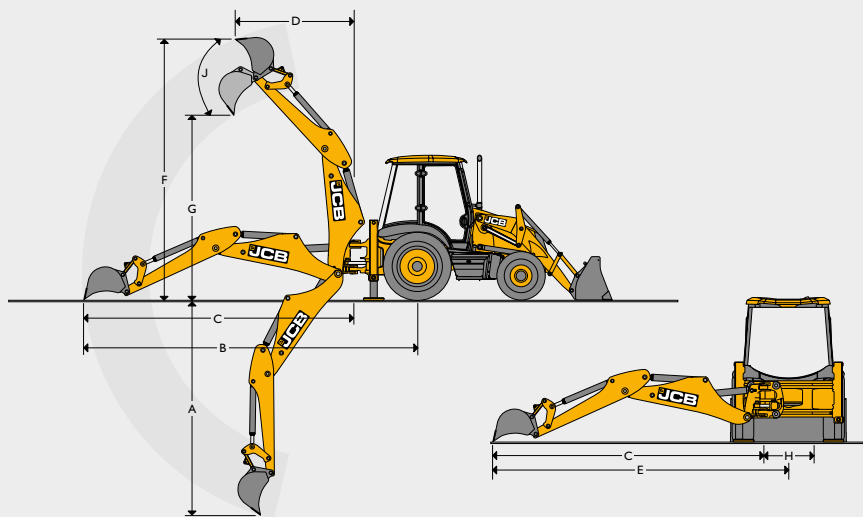
LOADER ATTACHMENTS – Forklift Performance Data



Model			3CX PRO	4CX PRO, 5CX PRO*
			Quickhitch mounted forks	Quickhitch mounted forks
W	Forks – tine length	m	1.10	1.10
	Forks – tine width	m	0.08	0.08
X	Forks reach at ground level	m	1.95	2.13
Y	Forks reach at full height	m	1.73	1.76
Z	Forks lift height – max	m	3.25	3.28
	Fork spacing – min	m	0.38	0.38
Fork spacing – max		m	1.36	1.36
SWL @ 500mm load centres		kg	2000	2000

\*Dimensions dependent on tyre options.

## BACKHOE DIMENSIONS



Model				3CX PRO	4CX PRO	5CX PRO
				Extradig	Extradig	Extradig
A	SAE max dig depth	m	Ext	5.46	5.53	6.14
			Ret	4.24	4.32	4.98
	SAE 2ft flat bottom	m	Ext	5.43	5.50	6.11
			Ret	4.21	4.29	4.93
	Maximum dig depth with deep profile bucket	m	Ext	5.97	5.88	6.51
			Ret	4.75	4.67	5.35
B	Reach – ground level to rear wheel centre	m	Ext	7.87	7.88	8.44
			Ret	6.72	6.74	7.35
C	Reach – ground level to slew centre	m	Ext	6.52	6.54	7.10
			Ret	5.37	5.40	6.01
D	Reach – at full height to slew centre	m	Ext	3.66	3.75	4.47
			Ret	2.74	2.82	3.43
E	Side reach – to centre line of machine	m	Ext	7.09	7.16	7.71
			Ret	5.94	6.02	6.69
F	SAE operating height	m	Ext	6.35	6.26	6.52
			Ret	5.53	5.45	5.89
G	Maximum loadover height	m	Ext	4.72	4.73	5.03
			Ret	3.84	3.84	4.06
	SAE loadover height	m	Ext	4.32	4.28	4.55
			Ret	3.4	3.39	3.58
H	Total kingpost travel	m		1.16	1.16	1.16
	Narrow rear frame option	m		1.05	–	–
J	Bucket rotation		Speed	201°	201°	201°

BACKHOE PERFORMANCE						
Model			3CX PRO		4CX PRO	
			Extradig		Extradig	
Bucket tearout	kgf	Speed	5385		5385	
		Power	6228		6228	
Dipper tearout	kgf	Ext	2255/ 2729*		2729	
		Ret	3225/ 3903*		3903	
Lift capacity of bucket pivot at full reach	kg	Ext	719/ 1082*		1082	
		Ret	1451/ 1885*		1885	

\* Heavy lift excavator

BACKHOE ATTACHMENTS – Standard Profile Bucket				
Model	3CX PRO, 4CX PRO, 5CX PRO			
Width*	Capacity SAE		Weight (+ Teeth)	
mm	Rated m³	Rated m³	kg	Teeth
305 †	0.06	0.05	102	3
400 †	0.09	0.07	109	3
457 †	0.12	0.09	116	3
610 †	0.17	0.13	140	4
800 †	0.24	0.17	162	5
* Including sidecutters. Width less sidecutters deduct 25mm. † Available with additional wear strips to give added strength and rigidity.				

DITCHING BUCKETS						
Model	3CX PRO			4CX PRO, 5CX PRO		
Width*	Capacity SAE		Weight	Capacity SAE		Weight
mm	Rated m³	Struck m³	kg	Rated m³	Struck m³	kg
1525	0.22	0.155	150	0.22	0.16	150
1830	0.26	0.186	172	0.26	0.19	172

FEATURES	
Seat and comfort	
Air suspension seat (standard on joystick controls)	●
Seat head rest	●
Arm rest	●
Seat belt	●
Heater	●
Air conditioning	●
Doors and windows	
Tinted glass	●
Front windscreen wiper	●
Rear windscreen wiper	●
Rear one piece opening window	●
Door ajar stays	●
Steering column	
Tilted steering column	●
Steering wheel knob	●
Automatic cab interior light	●
Storage	
Side storage & roof storage (lockable)	●
Radio	
Bluetooth, USB, aux, SD, speakers, hands free phone	●
Miscellaneous	
Roof mounted camera	●
Quick hitch camera	●
Exterior mirrors	●
Interior rear view mirror	●
Front windscreen heater	○
10 LED working lights (2000 lumens each)	●
Reverse alarm	●
LED roof beacons	●
Controls	
FNR switch	●
Return to grade	●
Return to dig	●
Security	
Instrument panel vandal guard	○
Fire extinguisher	○
Immobiliser	○
LiveLink	●
Rear light guards	●
Front bumper protection	●
End boom damping	●
Dualdrive	●

MILLIONTH EDITION SPEC PACK	
Dualdrive AEC only	●
Powerslide	●
A/C	●
Hammer/Bidirectional Aux	●
Hydraulic Excavator Quickhitch	●
LED worklights (2000 Lumens) X10	●
LED roadlights - Front and rear	●
Yellow wheel rims	●
Stabiliser street pads	●
LED boom lights	●

MILLIONTH EDITION CUSTOMER PACK	
Millionth Edition cab carpet	●
Millionth Edition steering wheel	●
Millionth Edition operator seat	●
Millionth Edition yellow grill	●
Millionth Edition decals	●
Millionth Edition Backhoe Loader model	●
Millionth Edition framed artwork	●
Yellow hydraulic rams	●
Limited edition plaque	●

TYRE OPTIONS	
3CX PRO	
Michelin XMCL	●
4CX PRO / 5CX PRO	
Michelin XMCL	○
Michelin Power CL	○
Michelin Bibload	○
● Standard   ○ Option   *Regional dependant	



**MILLIONTH BACKHOE LOADER 3CX PRO / 4CX PRO / 5CX PRO**

MILLION  
BACKHOE  
LIMITED  
EDITION





**ONE COMPANY, OVER 300 MACHINES.**

Your nearest JCB dealer

### **Millionth Backhoe Loader 3CX PRO/ 4CX PRO / 5CX PRO**

Gross power: 55 - 81kW (74 - 109hp) Maximum dig depth: 6.51m Operating weight: 7887 - 9500kg

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