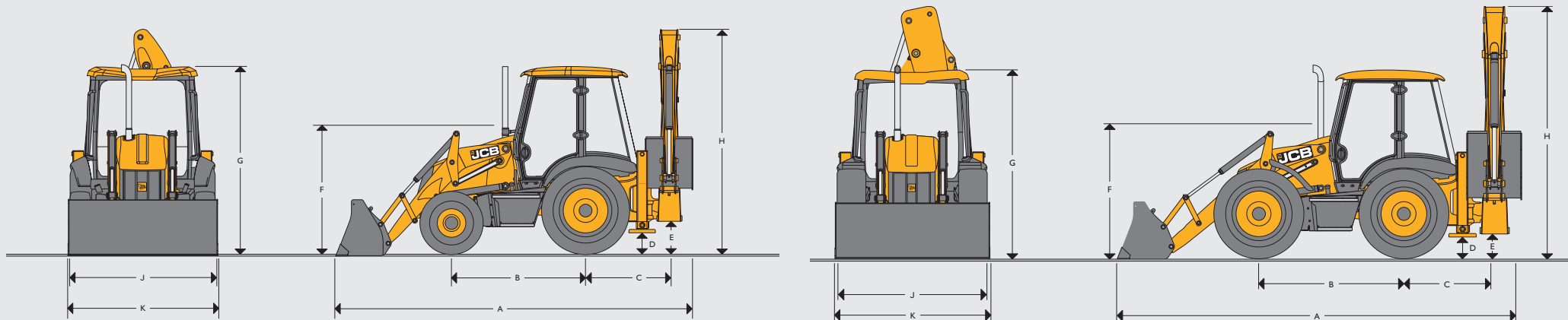
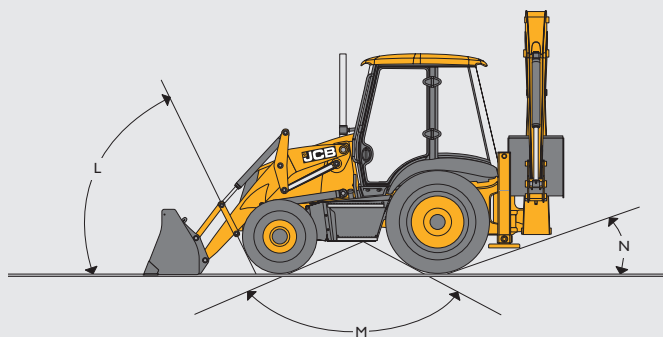


STATIC DIMENSIONS



Dimensions in mm		3CX Eco		3CX Eco Sitemaster		3CX Eco Super	4CX
A	Total travel length	5.62		5.62		5.91	5.91
B	Axle centreline distance	2.17		2.17		2.22	2.22
C	Slew centre to rear axle centre distance	1.36		1.36		1.36	1.36
D	Stabiliser feet clearance	0.37		0.37		0.33	0.34
E	Kingpost clearance	0.52		0.52		0.48	0.50
F	Steering wheel centre height	1.94		1.94		1.86	1.88
G	Cab roof height	3.03		3.03		2.98	3.03
H	Total travel clearance	3.61		3.61		3.48	3.54
J	Rear frame width	2.35	2.24*	2.35	2.24*	2.24	2.36
K	Shovel width	2.35	2.23*	2.35	2.23*	2.23	2.33
K	Shovel width - option	-	-	-	-	-	2.44

* Narrow option



GROUND LINE ANGLES

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

ENGINE (Stage II / Stage IIIA)

Model		3CX Eco, Sitemaster	3CX Eco, Sitemaster, Super	4CX
Engine standard		Stage II / IIIA	Stage II / IIIA	Stage II / IIIA
Manufacturer		JCB	JCB	JCB
Aspiration		Turbocharged	Turbocharged	Turbocharged & Intercooled
Displacement	litre	4.4	4.4	4.4
No. of cylinders		4	4	4
Bore	mm	103	103	103
Stroke	mm	132	132	132
Rated engine	rpm	2200	2200	2200
Power ratings				
Rated ISO 14396 (SAE J1195 Gross)	kW	63	68.6	74.2
Maximum torque				
Max. torque rpm	Nm	320/362	400/408	425/440
Max. torque rpm	rpm	1200	1400	1300

ELECTRICAL AND INSTRUMENTATION

Gauges	Tachometer, engine coolant temp, fuel level, hourmeter, clock
Warning system	Audible and visual system. Engine oil, water in fuel, transmission oil temperature and pressure, park brake, air cleaner, alternator
Battery	900 CCA/110 A/hr
Pre-wire	Radio speakers (cab), beacon (all)
Horn	Controlled from both front and rear
Alternator	95 amp standard
Front working lights	4 adjustable
Rear working lights	4 adjustable

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	2WS 63kW	2WS 68.6kW			AWS 68.6kW		AWS 74.2kW	
Manufacturer	JCB	JCB	JCB	JCB	JCB	JCB	JCB	JCB
Type	Syncroshuttle	Syncroshuttle	Powershift	Autoshift	Syncroshuttle	Powershift	Powershift	Autoshift
Gear selection	Manual	Manual	Powershift	Powershift	Manual	Powershift	Powershift	Powershift
Torque lock	N/A	N/A	Optional	Optional	N/A	Optional	Standard	Optional
Gear 1	6.2	6.2	5.4	5.1	5.7	4.9	5.0	4.9
Gear 2	10.0	10.0	10.0	8.6	9.1	8.6	9.3	8.1
Gear 3	21.3	21.3	22.5	11.6	19.6	19.8	21.5	11
Gear 4	39.8	39.8	38.3	18.7	37.1	37.1	38.1	17.7
Gear 5	-	-	-	31.3	-	-	-	29.6
Gear 6	-	-	-	38.3	-	-	-	38.1

OPERATING WEIGHTS

Machine model		3CX	3CX Sitemaster	3CX Super	4CX
Fixed dipper	kg	7702	-	7999	8178
Extended dipper	kg	8102	8102	8399	8578

Measured with 6-in-1, 600mm bucket, full fuel tank and operator.
Actual weight will vary depending on machine options.

FRONT AXLE				
Model	3CX 2WD	3CX 4WD, 3CX Sitemaster	3CX Super	4CX
Type	Flame cut bar	JCB steer drive with torque proportional	JCB 4WD steer drive with torque proportio	JCB epicyclic hub reduction with torque proportional
Limited slip	-	-	-	Option
Axle ratings	kg	kg	kg	kg
Static load rating	16500	16500	25000	25000
Dynamic load rating	8300	8300	12500	12500
Oscillation angle	16°	16°	16°	16°

REAR AXLE			
Model	3CX, 3CX Sitemaster	3CX Super	4CX All models
Type	JCB epicyclic hub reduction with torque proportional	JCB 4WD steer drive with torque proportional	JCB epicyclic hub reduction with torque proportional
Limited slip	Option	Option	Option
Axle ratings	kg	kg	kg
Static load rating	25000	25000	25000
Dynamic load rating	12500	12500	12500

STEERING			
Model	3CX, 3CX Sitemaster	3CX Super	4CX All models
Axles	Steer drive	Steer drive	Steer drive
Steering turns - lock to lock	2¾	2¾	2¾
	m	m	m
Kerb – kerb turning circle - unbraked	8.1	9.35	9.1
Loader clearance circle - unbraked	10.4	11.15	10.7
Kerb – kerb turning circle - braked	6.9	8.0	8.0
Loader clearance circle - braked	9.5	9.5	9.5

(Depending on tyre size, ground conditions etc.)

SERVICE CAPACITIES			
Model		3CX All models	4CX All models
Cooling system	ltr	18.5	18.5
Fuel tank	ltr	160	160
Engine oil with filter	ltr	15	15
Gearbox with filter	ltr	16	16
Rear axle	ltr	16	16
Front drive axle	ltr	16	16
Hydraulic system incl. tank	ltr	117	117

OPTIONAL ACCESSORIES
Key/keypad immobiliser, Sitemaster, Michelin or Goodyear Brands of tyres with a selection of traction/industrial tread in a crossply/ radial construction, Powershift/Autoshift transmissions, JCB TorqueLock, JCB Powerslide, Standard excavator buckets (300mm to 900mm), Deep profile excavator buckets (300mm to 940mm), Ditching buckets, General purpose/6-in-1 front shovels, Manual/ hydraulic front quickhitch, Manual/hydraulic rear quickhitch, 3/8" loader arm pipework/5/8" loader arm pipework, Hammer/ bi-directional pipework, Hand held tool circuit, 9m hose reel, Excavator lifting kits for EN474 and non-EN474 territories, Loader/ excavator HBCV's, Electric refuelling pump, Heated front screen, Heated mirrors, Reverse alarm, Coffee machine, Grid heaters, Eberspacher cold start kits, Front bumper protection, Fire extinguisher, Fuel tank guards, Air suspension seat, Seat headrest, Biodegradeable oil, Black/yellow trim kits, Instrument panel vandal guard, Different size front counterweights, Stabiliser streetpads, Shovel streetpads, Rear light guards, Lubricity filter, Shovel clam ram guards, Dual pattern controls (ISO/SAE changeover), Extendable steer column, Air conditioning, SRS.

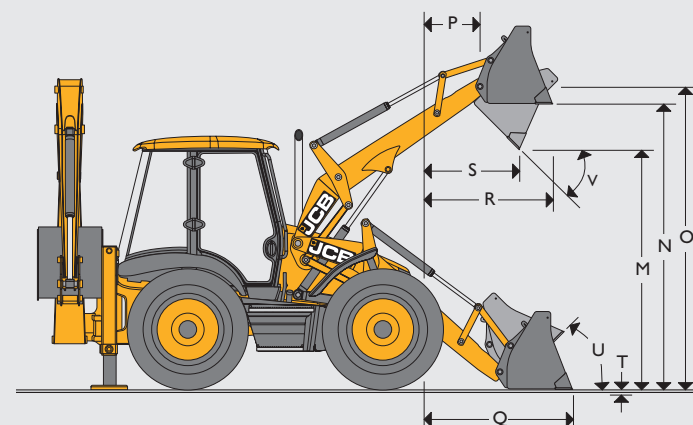
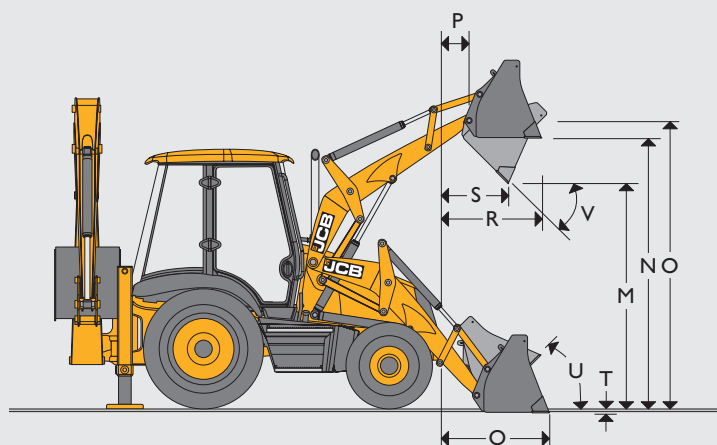
HYDRAULIC SYSTEM - 3CX		
Pump flows*	3CX, 3CX Sitemaster	3CX, 3CX Super, 3CX Sitemaster
Open centre systems (Gear pumps) @ 1750 rpm	l/min	l/min
Manual Control (Gear pump)		
Pump 1	58	63
Pump 2 & 3	71	81
EasyControl		
Pump 1	-	63
Pump 2 & 3	-	81
Closed centre systems (Piston pump) @ 2200 rpm	l/min	l/min
Advanced EasyControl	-	165 (32.3)
	bar (lbf/sq in)	bar (lbf/sq in)
System relief pressure	251 (3650)	251 (3650)

*Optimum flow **Territory specific

HYDRAULIC SYSTEM - 4CX		
Pump flows*	4CX**	4CX**
Open centre systems (Gear pumps) @ 1700 rpm	l/min	l/min
Manual Control (Gear pump)		
Pump 1 & 3	82	80
Pump 2	73	64
EasyControl		
Pump 1 & 3	82	80
Pump 2**	73	64
Closed centre systems (Piston pump) @ 2200 rpm	l/min	l/min
Advanced EasyControl	165	165
	bar (lbf/sq in)	bar (lbf/sq in)
System relief pressure	251 (3650)	251 (3650)

*Optimum flow **Territory specific

LOADER DIMENSIONS



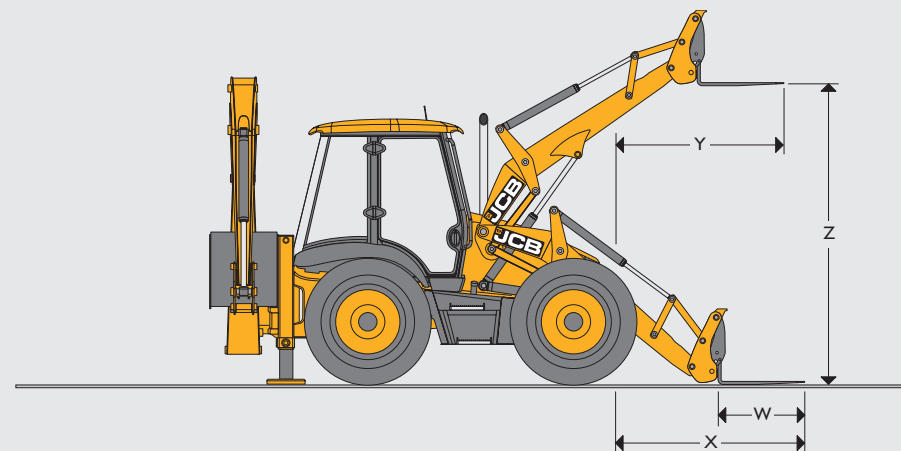
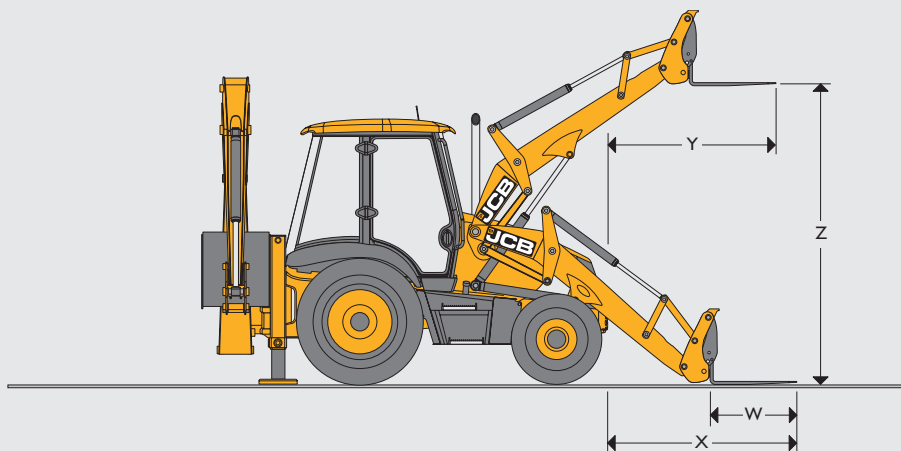
Model		3CX, 3CX Sitemaster		3CX Super		4CX	
		GP shovel	6-in-I shovel	GP shovel	6-in-I shovel	GP shovel	6-in-I shovel
M	Dump height	m	2.74	2.72	2.64	2.64	2.69
N	Load over height	m	3.23	3.20	3.16	3.13	3.21
O	Loader hinge pin height	m	3.45	3.45	3.41	3.41	3.46
P	Pin forward reach	m	0.36	0.36	0.47	0.47	0.41
Q	Reach at ground (toe plate horizontal)	m	1.42	1.37	1.52	1.50	1.42
R	Max. reach at full height	m	1.20	1.15	1.26	1.22	1.21
S	Reach at full height fully dumped	m	0.83	0.78	0.88	0.82	0.82
T	Dig depth	m	0.07	0.10	0.18	0.23	0.14
U	Roll back at ground	degrees	45°	45°	45°	45°	45°
V	Dump angle	degrees	43°	43°	44°	44°	45°
	Jaw opening width	m	-	0.95	-	0.95	-

LOADER PERFORMANCE

Model		3CX, 3CX Sitemaster		3CX Super		4CX	
		GP shovel	6-in-I shovel	6-in-I shovel	GP shovel	GP shovel	6-in-I shovel
	Loader breakout – shovel	kgf	6170	6531	6590	6227	6590
	Loader breakout – arms	kgf	4942	4732	5730	5936	5730
	Rated operating capacity 7'4"	kgf	3479	3229	4378	–	–
	Rated operating capacity 7'8"	kgf	3439	3169	–	–	–
	Rated operating capacity	kg	–	–	–	4638	4378
	Clamping force	kgf	–	2940	2945	–	2945

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

LOADER ATTACHMENTS – Forklift Performance Data

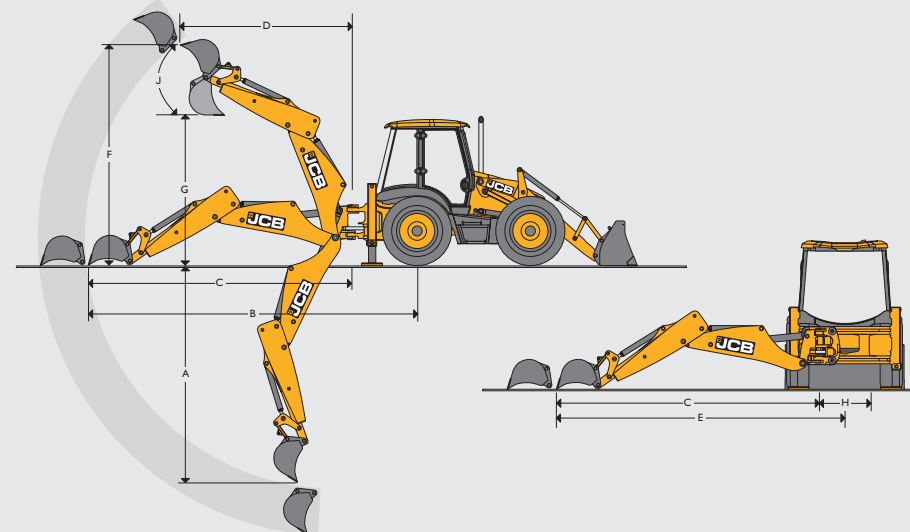
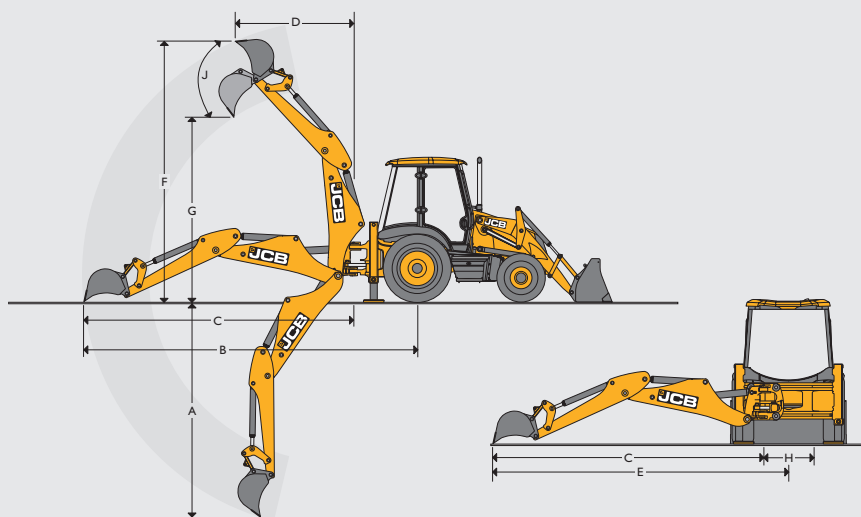


Model			3CX, 3CX Sitemaster		3CX Super		4CX	
			6-in-1 shovel mounted forks	Quickhitch mounted forks	6-in-1 shovel mounted forks	Quickhitch mounted forks	6-in-1 shovel mounted forks	Quickhitch mounted forks
W	Forks – tine length	m	1.1	1.1	1.1	1.1	1.1	1.1
	Forks – tine width	m	0.08	0.08	0.08	0.08	0.08	0.08
X	Forks reach at ground level	m	2.66	2.03	2.78	2.18	2.68	2.13
Y	Forks reach at full height	m	2.25	1.72	2.38	1.81	2.30	1.76
Z	Forks lift height – max	m	2.92	3.27	2.85	3.23	2.90	3.28
	Fork spacing – min	m	0.2	0.2	0.2	0.2	0.2	0.2
	Fork spacing – max	m	2.17	1.03	2.17	1.03	2.17	1.03
	SWL @ 500mm load centres	kg	1000	2000	1000	2000	1000	2000

LOADER ATTACHMENTS – Direct Mount

	Capacity SAE			
	G.P. Shovel		6-in-1	
Width mm (ft-in)	Rated m ³	Struck	Rated m ³	Struck
2235 (7-4)	1.0	0.83	1.0	0.76
2350 (7-8)	1.1	0.91	1.2	1.02
2350 (7-8) 4CX model only	1.3	1.19	1.2	1.02
2440 (8-0) 4CX model only	-	-	1.3	1.19
3CX All models	●		●	
4CX	●			
4CX Super	●		●	
4CX Sitemaster	●		●	
4CX Super Sitemaster			●	

BACKHOE DIMENSIONS



Model				3CX	3CX, 3CX Sitemaster	3CX Super	3CX Super	4CX	4CX
				Standard Dipper	Extradig	Standard Dipper	Extradig	Standard Dipper	Extradig
A	SAE max dig depth	m	Ext	—	5.46	—	5.58	—	5.53
			Ret	4.24	4.24	4.37	4.37	4.32	4.32
	SAE 2ft flat bottom	m	Ext	—	5.43	—	5.55	—	5.50
			Ret	4.21	4.21	4.34	4.34	4.29	4.29
	Maximum dig depth with deep profile bucket	m	Ext	—	5.97	—	5.93	—	5.88
			Ret	4.75	4.75	4.72	4.72	4.67	4.67
B	Reach – ground level to rear wheel centre	m	Ext	—	7.87	—	7.88	—	7.88
			Ret	6.72	6.72	6.74	6.74	6.74	6.74
C	Reach – ground level to slew centre	m	Ext	—	6.52	—	6.54	—	6.54
			Ret	5.37	5.37	5.40	5.40	5.40	5.40
D	Reach – at full height to slew centre	m	Ext	—	3.66	—	3.75	—	3.75
			Ret	2.74	2.74	2.82	2.82	2.82	2.82
E	Side reach – to centre line of machine	m	Ext	—	7.09	—	7.09	—	7.16
			Ret	5.94	5.94	5.94	5.94	6.02	6.02
F	SAE operating height	m	Ext	—	6.35	—	6.20	—	6.26
			Ret	5.53	5.53	5.39	5.39	5.45	5.45
G	Maximum loadover height	m	Ext	—	4.72	—	4.67	—	4.73
			Ret	3.84	3.84	3.78	3.78	3.84	3.84
	SAE loadover height	m	Ext	—	4.32	—	4.22	—	4.28
			Ret	3.4	3.4	3.33	3.33	3.39	3.39
H	Total kingpost travel	m		1.16	1.16	1.05	1.05	1.16	1.16
			Narrow rear frame option	1.05	1.05	—	—	—	—
J	Bucket rotation	Speed		201°	201°	201°	201°	201°	201°

BACKHOE PERFORMANCE						
Model		3CX, 3CX Sitemaster, 3CX Super			4CX	
		Standard Dipper	Extradig	Standard Dipper	Extradig	
Bucket tearout	kgf	Speed	5431	5431	5385	
		Power	6324	6324	6228	
Dipper tearout	kgf	Ext	–	2255	–	2729
		Ret	3217	3225	3893	3903
Lift capacity of bucket pivot at full reach	kg	Ext	–	719	–	1082
		Ret	1584	1451	2046	1885

* Heavy Lift excavator

BACKHOE ATTACHMENTS – Standard Profile Bucket				
	3CX & 4CX All models			
Width*	Capacity SAE		Weight (+ Teeth)	
mm	Rated m³	Struck m³	kg	Teeth
229	0.04	0.03	95	0
305 †	0.06	0.05	102	3
356 †	0.075	0.06	105	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
950 †	0.30	0.21	198	5

* Including sidecutters. Width less sidecutters deduct 25mm.

† Available with additional wear strips to give added strength and rigidity.

DITCHING BUCKETS						
	3CX All models			4CX All models		
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

TAPERED BUCKETS – 3CX & 4CX All models				
Width*	Capacity SAE			
mm	Rated m³	Struck m3	Angle degrees	Teeth
381–1676	0.07	0.06	30	2
305–1067	0.12	0.10	60	2

BACKHOE ATTACHMENTS – Standard Profile Bucket								
	3CX All models				4CX All models			
Width*	Capacity SAE		Weight (+ Teeth)		Capacity SAE		Weight (+ Teeth)	
mm	Rated m³	Struck m³	kg	Teeth	Rated m³	Struck m³	kg	Teeth
305	0.09	0.07	102	3	0.09	0.07	102	3
356	0.11	0.09	117	3	0.11	0.09	117	1
457	0.16	0.13	122	3	0.16	0.13	122	3
610	0.23	0.18	142	4	0.23	0.18	142	4
800	0.30	0.24	163	5	0.30	0.24	163	5
950	0.38 †	0.30	183	5	0.38	0.30	183	5
1100	0.48 †	0.34	203	6	0.48	0.34	203	6

* Including sidecutters. Width less sidecutters deduct 25mm (1in).

† Capacity in cu.yd.



ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

3CX/4CX Eco Backhoe Loader

Gross power: 63kW (85hp) – 74.2kW (100hp) Maximum dig depth: 4m – 6.14m

Maximum shovel capacity: 1.0m³ – 1.3m³

JCB Sales Limited, Rocester, Staffordshire, United Kingdom ST14 5JP.

Tel: +44 (0)1889 590312 Email: salesinfo@jcb.com

Download the very latest information on this product range at: www.jcb.com

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