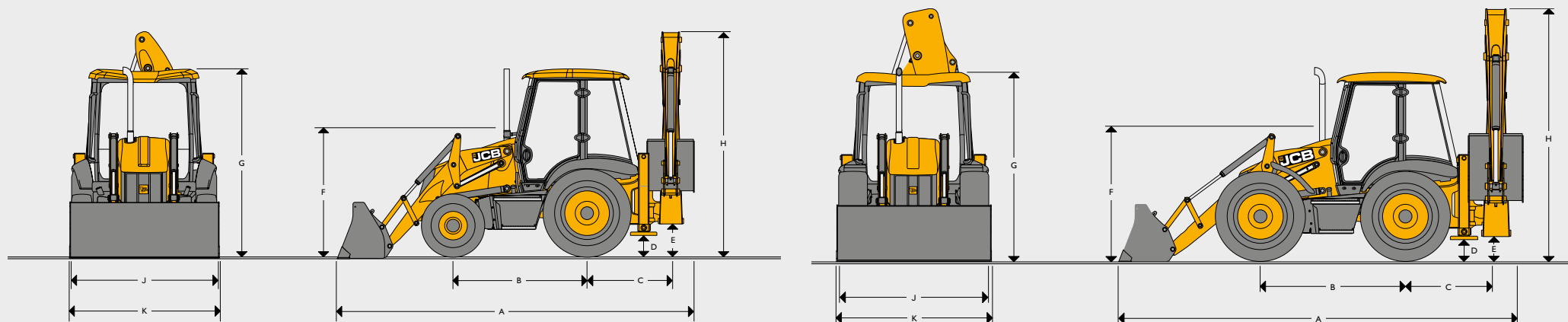
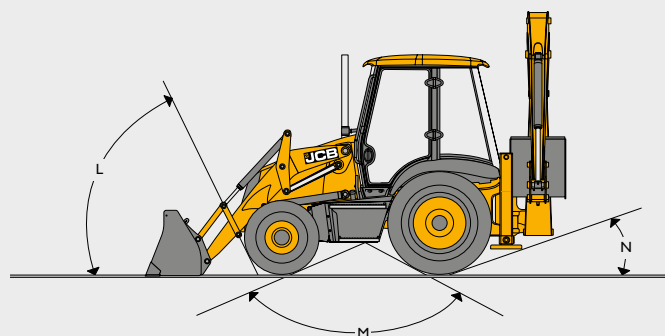


STATIC DIMENSIONS



Dimensions in m	3CX Eco		3CX Eco Sitemaster		3CX Eco Contractor		3CX Eco Super	3CX Eco Super Sitemaster	4CX	4CX Sitemaster	4CX Super	4CX Super Sitemaster	4CN
A Total travel length	5.62		5.62		5.62		5.91	5.91	5.91	5.91	5.91	5.91	7.53
B Axle centreline distance	2.17		2.17		2.17		2.22	2.22	2.22	2.22	2.22	2.22	2.32
C Slew centre to rear axle centre distance	1.36		1.36		1.36		1.36	1.36	1.36	1.36	1.36	1.36	1.20
D Stabiliser feet clearance	0.37		0.37		0.37		0.33	0.33	0.34	0.34	0.34	0.34	0.41
E Kingpost clearance	0.52		0.52		0.52		0.48	0.48	0.50	0.50	0.50	0.50	0.50
F Steering wheel centre height	1.94		1.94		1.94		1.86	1.86	1.88	1.88	1.88	1.88	1.88
G Cab roof height	3.03		3.03		3.03		2.98	2.98	3.03	3.03	3.03	3.03	3.03
H Total travel clearance	3.61		3.61		3.61		3.48	3.56	3.54	3.62	3.97	3.97	3.91
J Rear frame width	2.35	2.24*	2.35	2.24*	2.35	2.24*	2.24	2.24	2.36	2.36	2.36	2.36	2.36
K Shovel width	2.35	2.23*	2.35	2.23*	2.35	2.23*	2.23	2.23	2.33	2.33	2.33	2.33	2.33
K Shovel width - option	-	-	-	-	-	-	-	-	2.44	2.44	2.44	2.44	-

* Narrow option



GROUND LINE ANGLES

Machine model		3CX, 3CX Sitemaster, 3CX Sitemaster	3CX Super, 3CX Super Sitemaster	4CX All models
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 IIb Emissions)

Model		3CX Eco, Sitemaster	3CX Eco, Sitemaster, Super, Super Sitemaster	3CX Eco Contractor	4CX All models
Engine standard		Stage IIIb	Stage IIIb	Stage IIIb	Stage IIIb
Manufacturer		JCB	JCB	JCB	JCB
Aspiration		Turbocharged	Turbocharged	Turbocharged & Intercooled	Turbocharged & Intercooled
Displacement	litre	4.4	4.4	4.4	4.4
No. of cylinders		4	4	4	4
Bore	mm	103	103	103	103
Stroke	mm	132	132	132	132
Rated engine	rpm	2200	2200	2200	2200
Power ratings					
Rated ISO 14396 (SAE J1995 Gross)	kW	55	68	81	81
Maximum torque					
Max. torque rpm	Nm	400	433	516	516
Max. torque rpm	rpm	1200	1400	1500	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 55kW		2WS 68kW		2WS 81kW		AWS 68kW		AWS	
	JCB	JCB	JCB	JCB	JCB	JCB	JCB	JCB	JCB	JCB
Manufacturer	JCB	JCB	JCB	JCB	JCB	JCB	JCB	JCB	JCB	JCB
Type	Syncroshuttle	Syncroshuttle	Powershift	Autoshift	Powershift	Autoshift	Syncroshuttle	Powershift	Powershift	Autoshift
Gear selection	Manual	Manual	Powershift	Powershift	Powershift	Powershift	Manual	Powershift	Powershift	Powershift
Torque/lock	N/A	N/A	Optional	Optional	Standard	Optional	N/A	Optional	Standard	Optional
Gear 1	5.8	5.8	5.4	5.1	5.4	5.1	5.1	4.9	5.0	4.9
Gear 2	9.4	9.4	10.0	8.6	10.0	8.6	8.3	8.6	9.3	8.1
Gear 3	20.2	20.2	22.5	11.6	22.5	11.6	17.7	19.8	21.5	11
Gear 4	41.8	41.8	41.8	18.7	41.8	18.7	36.7	36.7	38.1	17.7
Gear 5	-	-	-	31.1	-	31.1	-	-	-	29.6
Gear 6	-	-	-	41.8	-	41.8	-	-	-	38.1

OPERATING WEIGHTS

Machine model		3CX	3CX Sitemaster	3CX Contractor	3CX Super	3CX Super Sitemaster	4CX	4CX Sitemaster	4CX Super	4CX Super Sitemaster	4CN
Fixed dipper	kg	7702	-	-	7999	-	8178	-	8394	-	-
Extended dipper	kg	8135	8135	8135	8435	8435	8585	8585	8880	8880	8846

Operating weight to ISO 6016 includes machine with 6-in-1 shovel, 24" excavator bucket and a full fuel tank and operator.
Actual weight will vary depending on machine options.

FRONT AXLE

Model	3CX 2WD	3CX 4WD, 3CX Sitemaster, 3CX Contractor	3CX Super, 3CX Super Sitemaster	4CX All models
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 Contractor, 3CX Sitemaster	3CX Super, 3CX Super Sitemaster	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 Contractor, 3CX Sitemaster	3CX Super, 3CX Super Sitemaster	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 systeml	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

HYDRAULIC SYSTEM

Open centre systems (piston pump) @ 2200rpm	l/min
Manual and EasyControl	165
Closed centre systems (piston pump) @ 2200rpm	l/min
Advanced EasyControl	165
	bar
System relief pressure	251

OPTIONAL ACCESSORIES

Tyres - Michelin brand of tyres with a selection of traction/industrial tread in a crossply/radial construction**Transmission** - Powershift/Autoshift transmissions, JCB Torquelock**Machine features** - JCB Power Slide, Grid heaters, Eberspacher cold start, Black and yellow trim kits**Machine and site protection** - Front bumper protection, Fuel tank guards, Stabiliser street pads, Shovel street pads, Rear light guards, Lubricity filter, Shovel clam ram guards, Reverse alarm, Biodegradable oil**Attachments** - Standard excavator buckets (300mm to 900mm), Deep profile excavator bucket (300mm to 940mm), Ditching buckets (1542mm to 1828.8mm), General purpose 6-in-1 front shovel (1 m³ to 1.3m³), Manual/hydraulic front quickhitch, Manual/hydraulic rear quickhitch, 3/8" Loader arm pipework, 5/8" Loader arm pipework, Hammer pipework, Bi-directional pipework, Hand-held tool circuit, 9m hose reel, Excavator lifting kits for EN474 and non-EN474 territories, Loader/excavator HBCV, Electric refuelling pump**Safety and security** - Reverse alarm.

CAB CONFIGURATION

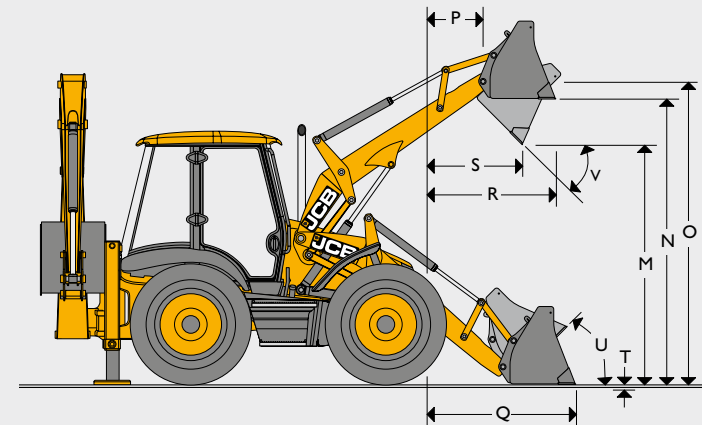
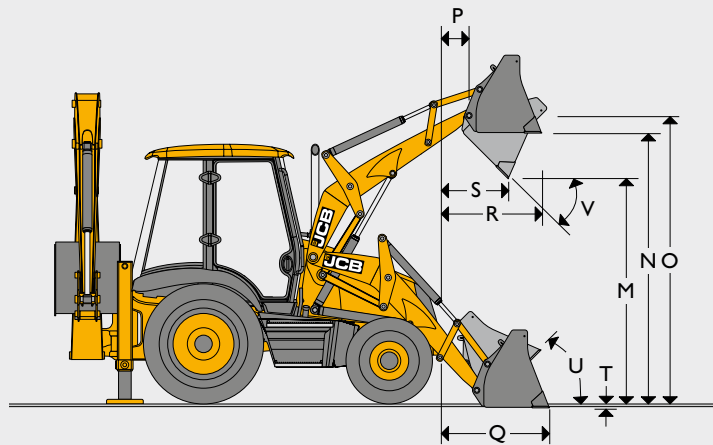
Seat and comfort	Visibility
Mechanical suspension seat ●	Exterior mirrors ●
Air suspension seat ○	Interior rear view mirror ○
Seat head rest ○	Front wind screen heater ○
Arm rest ●	8 working lights ●
Seat belt ●	Roof
Heater ●	Yellow roof (Standard on Sitemaster) ●
Air conditioning ○	Black roof (Standard on 3CX Contractor) ○
Air conditioning (including In-cab cool box) ○	Beacon ○
Rasio speaker kit ●	Controls
Doors and windows	Dual pattern controls (ISO/SAE changeover) ○
Tinted glass ●	Security
Front windscreen wiper ●	Instrumental panel vandal guard ○
Rear windscreen wiper ●	Fire extinguisher ○
Rear one peace opening window ●	Key and keypad immobiliser (standard in UK) ○
Door ajar stays ○	Livelink (region specific) ●
Steering column	Storage
Tilted steering column ●	Side storage ●
Steering wheel knob ●	
Telescopic steering column ○	

● Standard ○ Option

NOISE AND VIBRATION LEVELS

Internal dB(A)	74dB(A) - (55 to 68kW engine) 75dB(A) - (81kW engine)
External dB(A)	102
Vibration	Hand arm vibration 2.5m/s ² - Whole body vibration 0.5m/s ²

LOADER DIMENSIONS



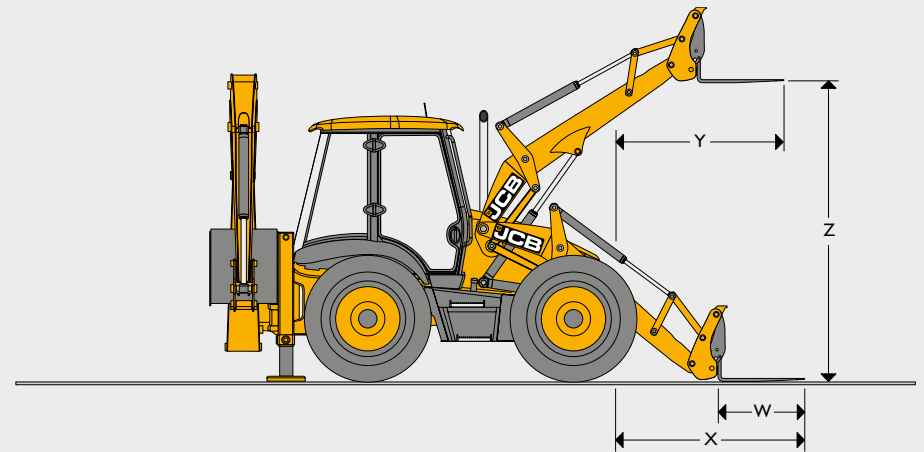
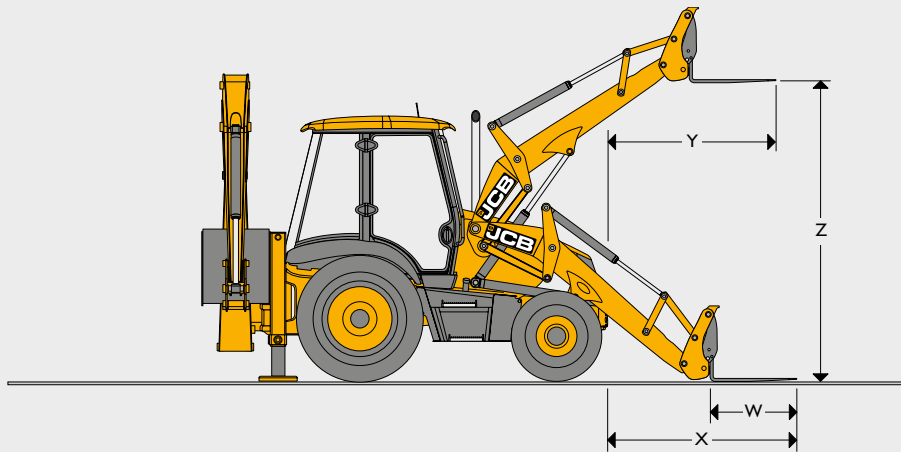
			3CX, 3CX Contractor, 3CX Sitemaster		3CX Super, 3CX Super Sitemaster		4CX, 4CX Super		4CX All models	
			GP shovel	6-in-I shovel	GP shovel	6-in-I shovel	GP shovel	6-in-I shovel	GP shovel	6-in-I shovel
M	Dump height	m	2.74	2.72	2.64	2.64	2.69	2.69	2.69	2.69
N	Load over height	m	3.23	3.20	3.16	3.13	3.21	3.18	3.21	3.18
O	Loader hinge pin height	m	3.45	3.45	3.41	3.41	3.46	3.46	3.46	3.46
P	Pin forward reach	m	0.36	0.36	0.47	0.47	0.41	0.41	0.41	0.41
Q	Reach at ground (toe plate horizontal)	m	1.42	1.37	1.52	1.50	1.42	1.39	1.42	1.39
R	Max. reach at full height	m	1.20	1.15	1.26	1.22	1.21	1.17	1.21	1.17
S	Reach at full height fully dumped	m	0.83	0.78	0.88	0.82	0.82	0.76	0.82	0.76
T	Dig depth	m	0.07	0.10	0.18	0.23	0.14	0.18	0.14	0.18
U	Roll back at ground	degrees	45°	45°	45°	45°	45°	45°	45°	45°
V	Dump angle	degrees	43°	43°	44°	44°	45°	45°	45°	45°
	Jaw opening width	m	-	0.95	-	0.95	-	0.95	-	0.95

LOADER PERFORMANCE

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

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

LOADER ATTACHMENTS – Forklift Performance Data



		3CX, 3CX Contractor, 3CX Sitemaster		3CX Super, 3CX Super Sitemaster		4CX Super, 4CX Sitemaster 4CX Super Sitemaster		4CX All models	
		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	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	1.1
	Forks – tine width	m	0.08	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	2.68
Y	Forks reach at full height	m	2.25	1.72	2.38	1.81	2.30	1.76	2.30
Z	Forks lift height – max	m	2.92	3.27	2.85	3.23	2.90	3.28	2.90
	Fork spacing – min	m	0.2	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	2.17
	SWL @ 500mm load centres	kg	1000	2000	1000	2000	1000	2000	1000

LOADER ATTACHMENTS – Direct Mount

Width mm (ft-in)	Capacity SAE			
	G.P. Shovel		6 in 1	
	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 PERFORMANCE

		3CX, 3CX Sitemaster, 3CX Super, 3CX Super Sitemaster		3CX Contractor	4CX	4CX, 4CX Sitemaster	4CX Super, 4CX Super Sitemaster	4CN	
		Standard Dipper	Extradig	Extradig	Standard Dipper	Extradig	Standard Dipper	Standard Dipper	
Bucket tearout	kgf	Speed	5431	5385	5431	5385	5387	6047	
		Power	6324	6228	6228	6324	6228	6230	6929
Dipper tearout	kgf	Ext	–	2255	2255/ 2729*	–	2729	2675	–
		Ret	3217	3225	3225/ 3903*	3893	3903	3722	3893
Lift capacity of bucket pivot at full reach	kg	Ext	–	719	719/ 1082*	–	1082	1199	–
		Ret	1584	1451	1451/ 1885*	2046	1885	1556	1733

* Heavy lift excavator

BACKHOE ATTACHMENTS – Standard Profile Bucket

Width*	3CX & 4CX All models			
	Capacity SAE		Weight (+ Teeth)	
	Rated m ³	Rated m ³	kg	Teeth
mm				
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

Width*	3CX All models			4CX All models		
	Capacity SAE		Weight	Capacity SAE		Weight
	Rated m ³	Struck m ³	kg	Rated m ³	Struck m ³	kg
mm						
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		Angle degrees	Teeth
	Rated m ³	Struck m ³		
mm				
381–1676	0.07	0.06	30	2
305–1067	0.12	0.10	60	2

BACKHOE ATTACHMENTS – Standard Profile Bucket

Width*	3CX All models				4CX All models			
	Capacity SAE		Weight (+ Teeth)		Capacity SAE		Weight (+ Teeth)	
	Rated m ³	Struck m ³	kg	Teeth	Rated m ³	Struck m ³	kg	Teeth
mm								
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 (1 in).

† Capacity in cu.yd.