



BACKHOE LOADER | 3CX / 4CX ECO

3CX ECO Gross Engine Power: 84hp (63kW) - 92hp (68.6kW)

Max. Digging Depth: 5.97m Loader Capacity: 1.0m³ / 1.2m³

4CX ECO Gross Engine Power: 100hp (74.2kW)

Max. Digging Depth: 4.67m Loader Capacity: 1.3m³



Sm: Sitemaster E: Eco S: Super T: Turbocharged I: Intercooled St: Stage

ENGINE (Stage II / Stage IIIA)				
Model	3CX E, Sm	3CX E, Sm, S	4CX E	
Engine standard	Stage II / IIIA	Stage II / IIIA	Stage II / IIIA	
Manufacturer	JCB	JCB	JCB	
Aspiration	T	T	T & I	
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 J1995 Gross) kW	63	68.6	74.2	
Maximum torque	St II / St IIIA	St II / St IIIA	St II / St IIIA	
Max. torque rpm Nm	320/362	400/408	425/440	
Max. torque rpm rpm	1200	1400	1300	

Sm: Sitemaster E: Eco S: Super

* steer drive with torque proportional ** hub reduction with torque proportional

FRONT AXLE				
Model	3CX E 2WD	3CX E 4WD, 3CX Sm	3CX S	4CX E
Type	Flame cut bar	JCB *	JCB 4WD *	JCB epicyclic **
Limited slip	-	-	-	Option
Axle ratings kg	kg	kg	kg	kg
Static load rating	16500	16500	25000	25000
Dynamic load rating	8300	8300	12500	12500
Oscillation angle	16°	16°	16°	16°

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

STEERING				
Model	3CX Eco, 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.)

REAR AXLE			
Model	3CX Eco, 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	kg
Static load rating	25000	25000	25000
Dynamic load rating	12500	12500	12500

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

OPERATING WEIGHTS				
Machine model	3CX Eco	3CX Sitemaster	3CX Super	4CX Eco
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.

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

HYDRAULIC SYSTEM - 3CX		
Pump flows*	3CX Eco, 3CX Sm	3CX Eco, 3CX Sp, 3CX Sm
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



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