

SPECIFICATION

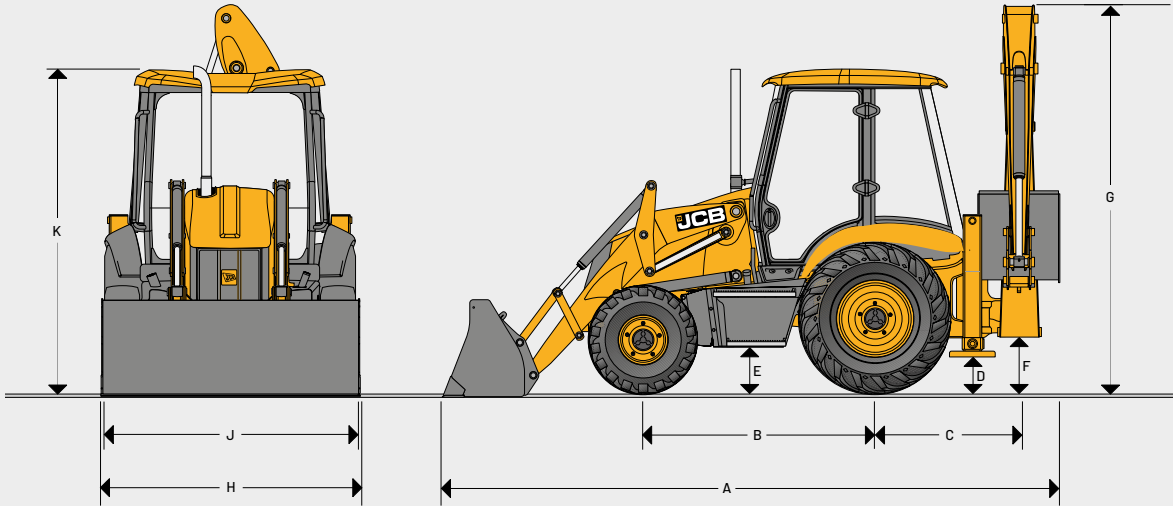


3CX SITEMASTER BACKHOE LOADER

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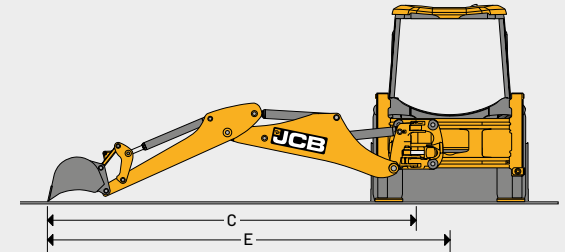
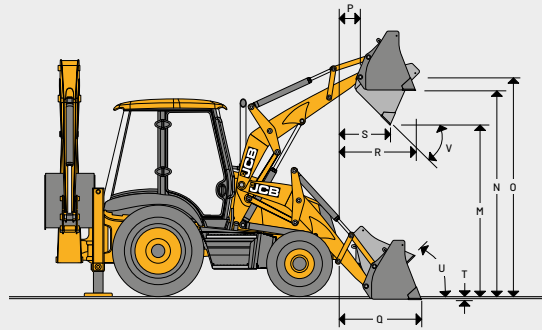
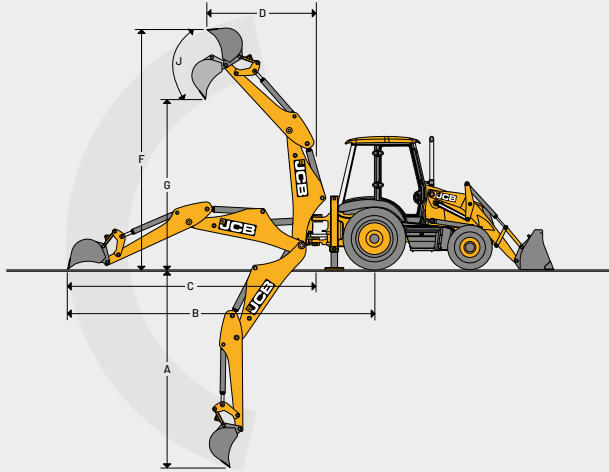


STATIC DIMENSIONS



Dimensions in m			3CX Sitemaster
Model			Sideshift
A	Total travel length	m	5.90
B	Wheelbase	m	2.25
C	Slew centre to rear axle centre	m	1.32
D	Minimum ground clearance (stabiliser foot clearance)	m	0.31
E	Ground clearance - mainframe	m	0.50
F	Slew ground clearance	m	0.53
G	Total travel clearance	m	3.61
H	Shovel width	m	2.23 (6-in-1 shovel)
J	Rear frame width	m	2.24
K	Cab roof height	m	2.88

EXCAVATOR/LOADER PERFORMANCE



Model			Extradig	
Dipper			Retracted	Extended
Excavator performance				
A	Max dig depth	m	4.36	5.65
B	Reach-ground level to rear wheel centre	m	6.96	8.16
C	Reach-ground level to slew centre	m	5.41	6.61
D	Reach at full height to slew centre	m	2.31	3.51
E	Side reach to centre line of machine	m	5.57	6.77
F	Max. working height	m	5.24	6.44
G	Max. load over height	m	3.10	4.30
J	Bucket rotation - power	degrees	203	203
	Bucket tearout force	kgf	5936	
	Dipper tearout force	kgf	3273	
Loader performance				
M	Dump height	m	2.91	
N	Load over height	m	3.35	
O	Pin height	m	3.59	
P	Pin forward reach	m	0.43	
Q	Reach at ground	m	1.43	
R	Max. reach at full height	m	1.25	
S	Reach at full height - bucket dumped	m	0.89	
T	Below ground level dig depth	m	0.06	
U	Rollback at ground	degrees	45	
V	Dump angle	degrees	39	
	Shovel breakout force	kgf	5133 (6-in-1 shovel)	
	Loader breakout force	kgf	4890 (6-in-1 shovel)	
	Shovel capacity		1.0m³ (6-in-1 shovel)	
	Lift capacity to full height	kg	3650	

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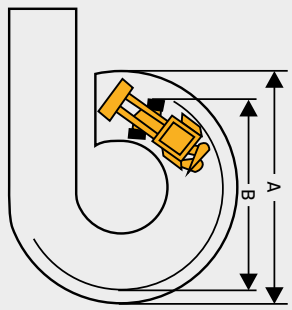
ENGINE		
Model	JCB 430, 4 cylinder, water cooled, diesel	
No. of cylinders	4	
Displacement	3 litres	
Gross power	55kW @ 2200 rpm	
Max torque	440Nm @ 1150 rpm	

Auto idle reduces fuel consumption and unnecessary wear and tear by automatically reducing engine rpm to low idle after a preset time if no hydraulic services are active.

SERVICE CAPACITIES		
Cooling system	ltr	20
Fuel tank	ltr	130
Engine oil with filter	ltr	20
Gearbox with filter	ltr	20
Rear axle	ltr	20
Front drive axle	ltr	20
Hydraulic system incl. tank	ltr	124

TRANSMISSION		
Manufacturer	JCB	
Type	Dual synchro manual	
Gears forward/reverse	4 forward / 4 reverse	
Shuttle control - F/R	Power shuttle / FNR	
Travel speeds*	kph	
Gear 1	kph	5
Gear 2	kph	10
Gear 3	kph	20
Gear 4	kph	40

FNR switch for easy direction change, without removing hand.
On-the-move gear changes are possible.

TURNING CIRCLE														
	Inner wheels braked													
	A	Outside loader bucket												
	B	Outside wheels												
	Inner wheels not braked													
	A	Outside loader bucket												
	B	Outside wheels												
*Standard bucket in travel position														
STEERING	Front wheel full power hydrostatic system utilising a dedicated circuit. In the event of engine failure, emergency steering is maintained.													
BRAKES	Service: Hydraulically actuated dual line, self adjusting, oil immersed, multi-disc type on the rear axle, well protected from dirt, water etc. requiring no maintenance. Parking: Hand operated, by a cable on gearbox. Brake pedal: Two independently operable foot pedals enable machine to manoeuvre in tight spaces. Pedals are linked together for normal use. 2WD / 4WD: Electrical selection between 2WD / 4WD allows on-the-move changes.													
CAB	Fully adjustable seat and soft touch steering wheel. 'Walk through' two door access. Seat belt, large rear view mirror, interior light, front screen wiper, horn, hazard warning system, tool box. Instrumentation panel includes engine speed, engine hours, speedometer, fuel level, water temperature gauge and 12v connection. Audible and visual fault warning system for alternator charge, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature, and hand brake on. Air conditioning standard. 2 x USB-A charging ports. Electronic throttle.													
AXLES	Rear: Drive axle rigidly mounted, incorporates JCB limited slip differential, driven by short propshaft from gear box. Front: 4WD, Steer axle, centrally pivoted with oscillation angle of 16°.													
ELECTRICAL AND INSTRUMENTATION	2 volt negative ground, utilising wiring and connectors meeting IP69 water ingress test standard. Central fuse panel. LiveLink standard on all models. Battery: 120 A/hr, 1000 CCA. Alternator: 90 amp standard. Front working lights: 2 fixed. Rear working lights: 2 fixed and 2 adjustable 1350 lumen LED worklights standard. Auto idle.													
TYRES (TUBELESS)	4WD Front: 12.5 x 18-10 ply Rear: 18.4 x 26-12 ply													
OPERATING WEIGHT	8330kg													
HYDRAULIC SYSTEM	<table><tr><td></td><td>Pump 1</td><td>Pump 2</td></tr><tr><td>Pump</td><td>Variable</td><td>Gear</td></tr><tr><td>Flow (lpm)</td><td>132 @ 2000 rpm</td><td>58 @ 2000 rpm</td></tr><tr><td>Pressure (Bar)</td><td colspan="2">250 ± 5 bar</td></tr></table>			Pump 1	Pump 2	Pump	Variable	Gear	Flow (lpm)	132 @ 2000 rpm	58 @ 2000 rpm	Pressure (Bar)	250 ± 5 bar	
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