

SPECIFICATION

SITE MASTER

THE ONE MACHINE FLEET



COMPACT TOOL CARRIER | ICX

Gross power: 36kW (49hp) Max dig depth: 3.08m Shovel capacity: 0.28m³



SITEMASTER THE ONE MACHINE FLEET

The ICX is an agile, compact machine that can tackle the toughest jobs without compromise on performance.

SITEMASTER OF VERSATILITY

The JCB ICX compact excavator loader is one of the most versatile machines in the world. By combining an excavator and loader you get two machines in one.



SITEMASTER OF MANOEUVRABILITY

The compact dimensions of the ICX enable it to fit through confined spaces, including doorways, and makes it easily transportable.

SITEMASTER OF PERFORMANCE

The excavator can slide across the rear frame minimising machine repositioning and providing better visibility when digging in off-centre positions.



SITEMASTER OF POWER & EFFICIENCY

A powerful engine is installed into this compact, agile machine, which together with their loading and digging capabilities enable them to tackle the toughest jobs.

SITEMASTER OF COMFORT

The Sitemaster cab and canopy are designed for operator protection, and for day-long operator comfort with ergonomic and intuitive controls.

ICX

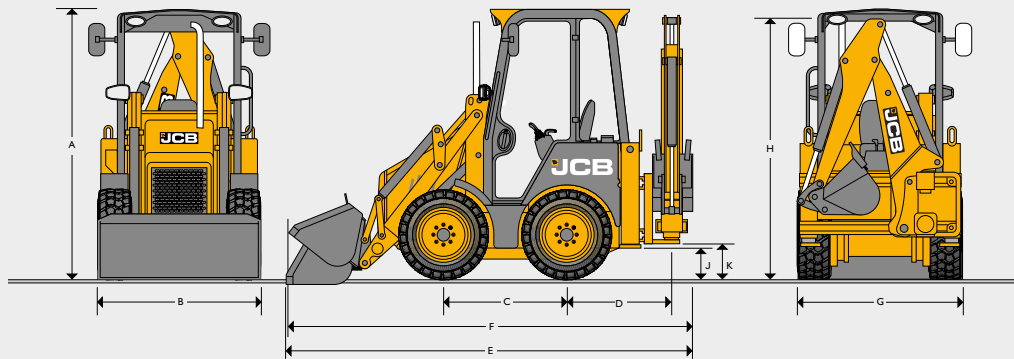
The JCB ICX comes as standard with a skid-steer quick hitch, 45 litres/minute hydraulics and a 2.55m fixed dipper, offering skid steer and excavator performance in one package.



ICX PLUS

The ICX PLUS has added features as standard, including a cab with air conditioning for added operator comfort, and a 3.08m extending dipper, providing improved reach and dig depth.

STATIC DIMENSIONS

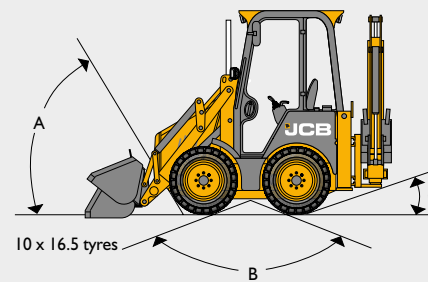


		10x16.5 Tyres
A	Cab roof height	m 2.25
A	Cab roof height (low canopy)	m 2.10
B	Overall width (over shovel)	m 1.58
C	Axle centreline distance	m 1.07
D	Slew centre to rear axle centre distance	m 0.87
E	Total travel length (short/long arm)	m 3.40 / 3.50
F	Total travel length – shovel in carry position (short/long arm)	m 3.31 / 3.41
G	Rear frame width (over stab leg feet)	m 1.56
H	Total travel clearance (fixed dipper)	m 2.17
	Total travel clearance (extending dipper)	m 2.17
J	Stabiliser feet clearance	m 0.26
K	Kingpost clearance	m 0.32

ENGINE

Emissions standard		Stage V
Manufacturer		Perkins 404J-E22T
Aspiration		Turbocharged
Displacement	litres	Common rail direct injection
No. of cylinders		4
Rated engine	rpm	2800
Power ratings		
Rated ISO 14396 (SAE J1995 Gross)	kW (hp)	36.3 (49)
Max. torque @ 1600rpm	Nm	190
Fuel type		Diesel
Fuel filter		Replaceable cartridge plus water/sediment separator prefilter
Air cleaner		Dual element
Oil filter and lubrication		Full flow, spin-on type filter. Engine oil service intervals 500 hours
Cooling system		Water, hot climate specification. Pressurised 1.0 bar, pusher fan. Pressurised tank with integral filler neck and overflow tank.

GROUND LINE ANGLES



A	Approach angle	degrees	52
B	Interface angle/ramp to ground plane	degrees	132
C	Departure angle	degrees	23
D	Ground clearance	mm	180

LOADER PERFORMANCE

	6-in-1 shovel
Loader breakout – shovel •	2350
Loader breakout – arms •	2400
Tipping load •	kg 1160 - 1320
Payload rating as a percentage of tipping load	% 50
Rated operating capacity**	kg Range from 580 to 660

*Loader breakout is calculated with standard loader arms.

**Rated operating capacity as determined according to ISO 14397: 2007 (depending on specification).

ELECTRICAL AND INSTRUMENTATION

Gauges	Fuel Level, Hour meter
Warning system	Audible and visual system, Autostop, Seatbelt warning, HEST/Regeneration, Ignition, working lights, park brake, alternator, main beam, engine oil pressure, water temp.
Battery	72A/hour
Pre-wire	Beacon
Horn	Controlled from both front and rear
Alternator	85 amp (standard fit for Stage V)
Front working lights	2 adjustable 2000 Lumen LED
Rear working lights	2 adjustable 2000 Lumen LED

HYDRAULIC SYSTEM

Open centre systems (gear pump) @2800 rpm services	l/min 45
System relief pressure	bar 220

TRANSMISSION

Manufacturer	Danfoss / Rexroth
Type	Hydrostatic
Travel speeds	0-11 km/h forward & reverse

OPERATING WEIGHTS

	ICX (fixed dipper, standard canopy, 6 in 1 shovel and full fuel tank)	ICX PLUS (extending dipper, cab, 6 in 1 shovel and full fuel tank)
	kg 3240	3455

BACKHOE DIMENSIONS

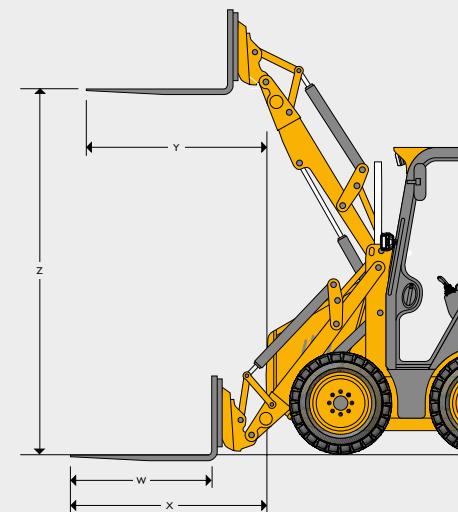
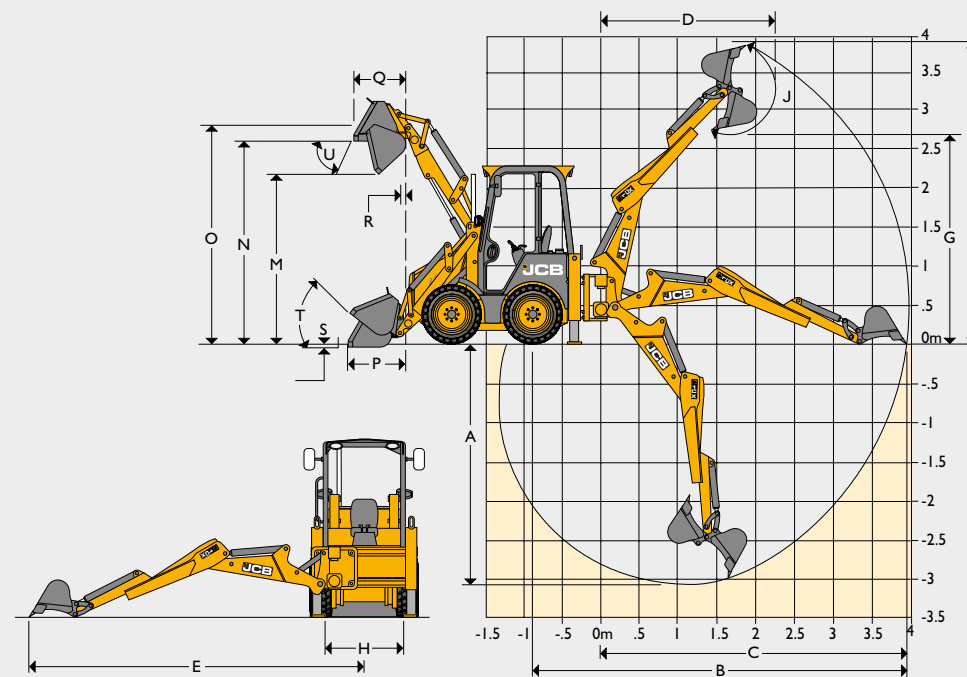
			Fixed Dipper	Extended Dipper
A	SAE Maximum dig depth	m	2.54	3.07
	SAE Maximum dig depth 2ft flat bottom	m	2.50	3.05
	ISO 8812 Maximum digging depth 2.5mm flat bottom	m	1.99	2.67
B	Reach – ground level to rear wheel centre	m	4.30	4.81
C	Reach – ground level to slew centre	m	3.36	3.88
D	Reach – at full height to slew centre	m	1.77	2.10
E	Side reach – to centre line of machine	m	3.87	4.36
F	SAE operating height	m	3.50	3.86
G	Maximum loadover height	m	2.31	2.72
H	Total kingpost travel	m	0.99	0.99
J	Bucket rotation	degrees	202	184
	Bucket tearout	kgf	2201	2201
	Dipper tearout	kgf	1488	1488

LOADER DIMENSIONS - WITH SHOVEL

			Short Arms	Long Arms
M	Dump height	m	2.10	2.16
N	Load over height	m	2.50	2.58
O	Loader hinge pin height	m	2.70	2.79
P	Reach at ground (toe plate horizontal)	m	0.80	0.86
Q	Maximum reach at full height	m	0.71	0.75
R	Reach at full height fully dumped	m	0.38	0.43
S	Dig depth (toe plate horizontal) clearance	m	0.10	0.18
T	Roll back at ground	degrees	39	39
U	SAE Dump angle	degrees	41	42
	SAE Loader breakout – shovel	kgf	2350	2350
	SAE Maximum hydraulic lift capacity	kgf	1050	1000

LOADER DIMENSIONS - WITH FORKS

			Short Arms	Long Arms
W	Forks - tine length	m	1.05	1.05
	Forks - tine width	m	0.08	0.08
X	Forks reach at Ground level	m	1.4	1.56
Y	Forks reach at full height	m	1.31	1.35
Z	Forks lift height - max	m	2.61	2.65
	Fork spacing - min	m	0.2	0.2
	Fork spacing - max	m	1.04	1.04
	SWL @ 500mm load centres - Fixed dipper	kg	466	440
	SWL @ 500mm load centres - extending dipper	kg	513	454
	Payload rating as a percentage of tipping load ISO 14397-1	%	50%	50%



Loader Attachments – Direct Mount		
	GP shovel	6-in-1 shovel
	Capacity SAE	Capacity SAE
Width mm	Rated m³	Rated m³
1580	0.32	0.31

Noise & Vibration Levels		
Internal	dB(A)	82
External	dB(A)	101
Vibration*	Hand arm vibration does not exceed 2.5m/s² for all duties with the exception of rough road tracking which averages 3.4m/s² Whole body vibration 0.29m/s²	

*Calculated on ICX cab machine.

Ditching Buckets			
	Capacity SAE		Weight
	Rated m³	Struck m³	kg
Width 1000mm	0.12	0.10	52

Backhoe Attachments – Standard Profile Bucket				
Width (Including sidecutters. Width less sidecutters deduct 25mm)	Capacity SAE		Weight (+ Teeth)	
mm	Rated m³	Struck m³	kg	Teeth
230	0.03	0.02	51	2
305	0.04	0.04	52	3
460	0.06	0.05	54	3
610	0.08	0.06	57	4

Standard Features - Cab and Canopy	
Controls	EasyControl in Servo SAE/ISO or Switchable SAE/ISO
Machine features	Road lights, exterior mirrors, LED work lights
Attachments	Skid-steer loader manual hitch, front 45 litres/min loader auxiliary, sideshift
Performance	Self-levelling loader
Servicing	LiveLink

Optional Accessories	
Tyres	Tyre size 10 x 16.5 Solideal 12 PLY
Controls	ISO+ pattern excavator controls, SAE+ pattern excavator controls
Machine features	Fully glazed ROPS/FOPS cab, face level fan
Machine and site protection	Flashing beacon, reverse alarm, stabiliser street pads, front screen guard
Attachments	Front shovel float, excavator bucket quickhitch, hammer/bi-directional auxilliary circuit, pallet forks and frame





ONE COMPANY, OVER 300 MACHINES.

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

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