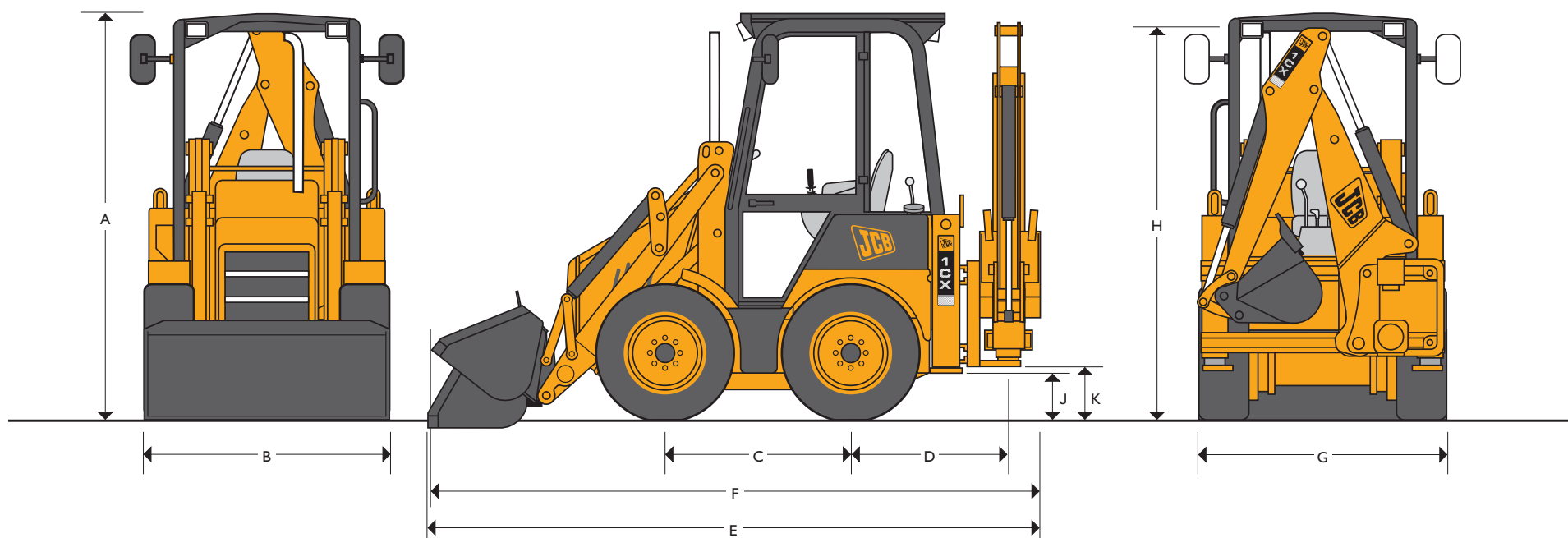




MAX. ENGINE POWER: 37.3kW (50hp) MAX. BACKHOE DIG DEPTH (STANDARD DIPPER): 2.55 metres (8ft 4in) MAX. LOADER CAPACITY: 610kg (1345lb)

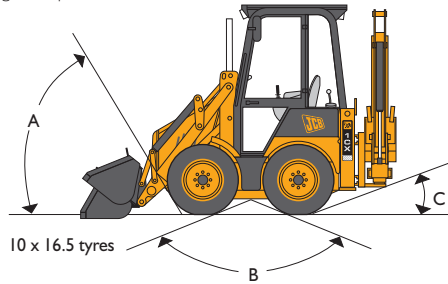


### STATIC DIMENSIONS

Machine model	ICX (7x15 Tyres)		ICX (10x16.5 Tyres)		Machine model	ICX (7x15 Tyres)		ICX (10x16.5 Tyres)	
	m	(ft-in)	m	(ft-in)		m	(ft-in)	m	(ft-in)
A Overall height	2.26	(7-4)	2.25	(7-4)	F Total travel length (Shovel in carry position)	3.31	(10-10)	3.31	(10-10)
B Overall width (over tyres)	1.43	(4-8)	1.58	(5-2)	G Rear frame width (over tyres)	1.41	(4-7)	1.56	(5-1)
C Axle centreline distance	1.07	(3-6)	1.07	(3-6)	H Height of boom in carry position	2.22	(7-3)	2.21	(7-3)
D Slew centre to rear axle centre distance	0.87	(2-10)	0.87	(2-10)	J Stabiliser feet clearance	0.27	(0-10)	0.26	(0-10)
E Total travel length	3.40	(11-2)	3.40	(11-2)	K Kingpost clearance	0.33	(1-1)	0.32	(1-1)

### GROUND LINE ANGLES

- A Approach angle 52°
- B Interface angle/ramp to ground plane 132°
- C Departure angle 23°



10 x 16.5 tyres

### OPERATING WEIGHT AND MACHINE RATING

SAE operating weight. Fully operational with Quickhitch, standard shovel, full fuel tank, canopy and 18" (450mm) excavator bucket.

Machine model	ICX
	<b>kg (lb)</b>
Weight	2850 (6283)
Loader rated operating capacity	610 (1346)
Pallet fork operating capacity	480 (1060)
Tipping load @ 400mm load centre (EEC 86/663)	960 (2120)

### ENGINE

		ICX
Model		Perkins 404D-22
Displacement	litres	2.2
Fuel		Diesel
Cooling		Water
Bore	mm	84
Stroke	mm	100
<b>Gross power @ 2800 rpm</b>		
ISO 14396	kW (hp)	37.3 (50)
<b>Gross torque @ 1800 rpm</b>		
ISO 14396	Nm (lb/ft)	143 (105)
Emission certification		EC Stage IIIA/USA EPA Tier 3
Engine oil service intervals		500 hours

### CONTROLS

#### Loader and Transmission:

Hydraulic over hydraulic servos reduce lever efforts to a minimum. Twin ergonomic joystick controls mounted on the seat are well positioned for easy use. Optional dual hand control pattern. Joystick mounted auxiliary control push buttons for straightforward control of attachments.

#### Excavator:

Standard ISO Plus pattern control is logical as well as easy to both learn and operate. Optional JCB Plus or diagonal controls.

### LIGHTING AND ELECTRICS

12 volt direct electric starting with 50 amp alternator and standard thermostart start aid.

- Heavy duty harness with secured sealed connectors for protection against both water and dust ingress. The connectors conform to IP67 (DIN 40 050) standards. A woven nylon outer covering protects the harness against abrasion and also improves its resistance to water penetration.
- Standard battery 95A hour low maintenance.

Ignition, working lights, park brake and detented auxiliary control switches mounted in right hand control panel.

Also incorporated in the side panel are the hourmeter and warning light cluster which includes a warning buzzer to draw operator's attention to any malfunction.

Located in the side panel is a well protected fuse box designed to keep dirt and grime out.

Relay box is positioned inside the console.

Road lighting is available as an option as is a reverse alarm.

Working lights are fitted as standard.

### TRANSMISSION

Full servo controlled hydrostatic transmission giving zero to maximum speed, both forward and reverse, at full power.

Independent transmission systems for both the left and right side, controlled through servo hand controls for precise and easy operation.

Travel speeds 0 – 11 km/h forward and reverse.

### OPERATOR ENVIRONMENT

Full ROPS/FOPS canopy with soundproofing.

- Fully adjustable seat.
- Seat belt fitted as standard.
- Exceptional all-round visibility.
- Optional front screen.
- Fully glazed cab option.
- Low canopy option.
- Ergonomically designed controls.

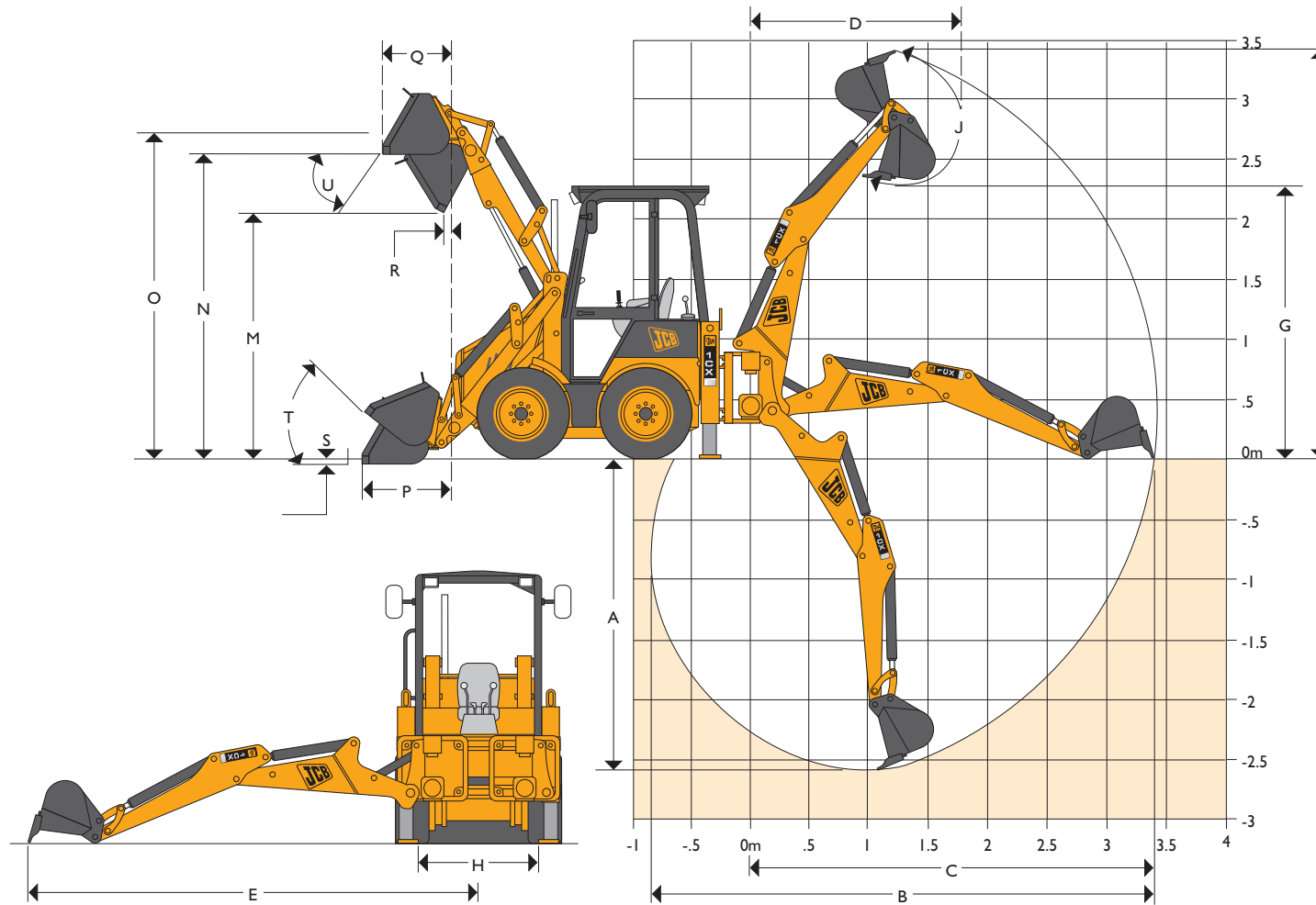


## BACKHOE DIMENSIONS AND PERFORMANCE

Machine model		ICX	ICX SM
<b>A</b> SAE Maximum dig depth	m (ft-in)	2.55 (8-4)	2.55 (8-4)
	SAE Maximum dig depth 2ft flat bottom	2.49 (8-2)	2.49 (8-2)
<b>B</b> SAE Reach - ground level to rear wheel centre	m (ft-in)	4.24 (13-11)	4.24 (13-11)
<b>C</b> SAE Reach - ground level to slew centre	m (ft-in)	3.38 (11-1)	3.38 (11-1)
<b>D</b> SAE Reach - at full height to slew centre	m (ft-in)	1.79 (5-10)	1.79 (5-10)
<b>E</b> SAE Slide reach - to centre line of machine	m (ft-in)	3.83 (12-6)	3.83 (12-6)
<b>F</b> SAE Maximum working height	m (ft-in)	3.44 (11-3)	3.44 (11-3)
<b>G</b> SAE Maximum loadover height	m (ft-in)	2.35 (7-8)	2.35 (7-8)
<b>H</b> SAE Total kingpost travel	m (ft-in)	0.99 (3-3)	0.99 (3-3)
<b>J</b> SAE Bucket rotation	degrees	202	202
	SAE Bucket tearout	kg (lb)	2201 (4852)
	SAE Dipper tearout	kg (lb)	1488 (3280)

## LOADER DIMENSIONS AND PERFORMANCE

Machine model		ICX	ICX SM
<b>M</b> Dump height	m (ft-in)	2.10 (6-10)	2.10 (6-10)
<b>N</b> Loadover height	m (ft-in)	2.51 (8-2)	2.51 (8-2)
<b>O</b> Pin height	m (ft-in)	2.70 (8-10)	2.70 (8-10)
<b>P</b> Reach at ground (toe plate horizontal)	m (ft-in)	0.84 (2-9)	0.84 (2-9)
<b>Q</b> Max reach at full height	m (ft-in)	0.63 (2-1)	0.63 (2-1)
<b>R</b> Reach at full height - fully dumped	m (ft-in)	0.30 (0-11)	0.30 (0-11)
<b>S</b> Dig depth (toe plate horizontal) clearance	m (ft-in)	0.05 (0-2)	0.05 (0-2)
<b>T</b> Rollback at ground	degrees	35	35
<b>U</b> SAE Dump angle	degrees	50	50
	SAE Loader breakout - shovel	kg (lb)	2350 (5179)
	SAE Maximum hydraulic lift capacity	kg (lb)	2400 (5290)
Shovel capacity		0.28m <sup>3</sup> (0.30yd <sup>3</sup> )	0.28m <sup>3</sup> (0.30yd <sup>3</sup> )



### BRAKES

The JCB hydrostatic transmission control provides the primary braking service. For parking, the JCB fail safe braking system features oil-immersed, multi-disc brakes for long life and fade-free braking. Operation is spring-on, hydraulic pressure off, activated through electrical parking brake switch.

### TYRES

Standard            7 x 15    NHS 6PR  
 Optional            10 x 16.5    NHS 6PR

The standard flotation tyres are fitted for most applications. For arduous conditions JCB Airboss tyres are recommended. Grassland tyres are available for applications where ground disturbance needs to be minimised.

### HYDRAULICS

In addition to the main hydrostatic drive pumps, there is a dedicated loader, backhoe and attachments supply pump. Both the main transmission and the loader controls are servo operated, for ease of use and precise control.

- Low lever efforts give excellent and easy control of transmission, loader, backhoe and attachments.
- Loader joystick incorporates rocker switch control of attachments.
- Full flow, spin-on type hydraulic oil filter.
- Engine oil throughout for ease of servicing.
- Optional hammer pipework.
- The optional hi-flow circuit provides 100 litres/min pump flow to the front of the machine for operation of high capacity attachments such as cold planers and trenchers.
- Auxiliary hand tools circuit.

Machine model	ICX
<b>Pump flows @2800 rpm</b>	<b>l/min (gal/min)</b>
Main pump output	45 (9.9)
<b>System working pressure</b>	<b>bar (lbf/sq in)</b>
Backhoe and loader	207 (3000)

### SERVICE CAPACITIES

Machine model	ICX
	<b>ltr (gal)</b>
Hydraulic system incl. tank	45 (9.9)
Fuel tank	45 (9.9)
Chain cases	10 (2.2)
Engine coolant	8 (1.75)
Engine oil	5 (1)

### STANDARD EQUIPMENT

ROPS/FOPS canopy  
 Working lights  
 Hand and foot throttles  
 Seat mounted servo controls  
 Seatbelt  
 ISO Plus excavator controls  
 Mechanical loader quickhitch  
 Self leveling

### OPTIONAL EQUIPMENT

Fully glazed ROPS/FOPS cab  
 Road lights  
 Flashing beacon  
 Face level fan  
 External mirrors  
 JCB pattern excavator controls  
 Auxiliary hydraulic supply to loader  
 Front shovel float  
 Auxiliary hand tool circuit  
 Excavator bucket quickhitch  
 Excavator auxiliary circuit  
 Large stabilizer feet  
 Street pads  
 JCB Airboss tyres  
 Grassland tread tyres  
 Tracker anti-theft system  
 Reverse alarm  
 Fire extinguisher  
 Air filter pre-cleaner  
 Servo dual hand control pattern

## A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into Britain's largest privately owned manufacturer of backhoe loaders, crawler excavators, wheeled excavators, telescopic handlers, wheeled loaders, dump trucks, rough terrain fork lifts, industrial fork lifts, mini/midi excavators, skid steer loaders, tractors and compaction equipment.

By making constant and massive investments in the latest production technology, the JCB factories have become some of the most advanced in the world.

By leading the field in innovative research and design, extensive testing and stringent quality control, JCB machines have become renowned all over the world for performance, value and reliability.

And with a global sales and service network of more than 650 dealers and agents, we aim to deliver the best customer support in the industry.

Through setting the standards by which others are judged, JCB has become one of the world's most impressive success stories.

