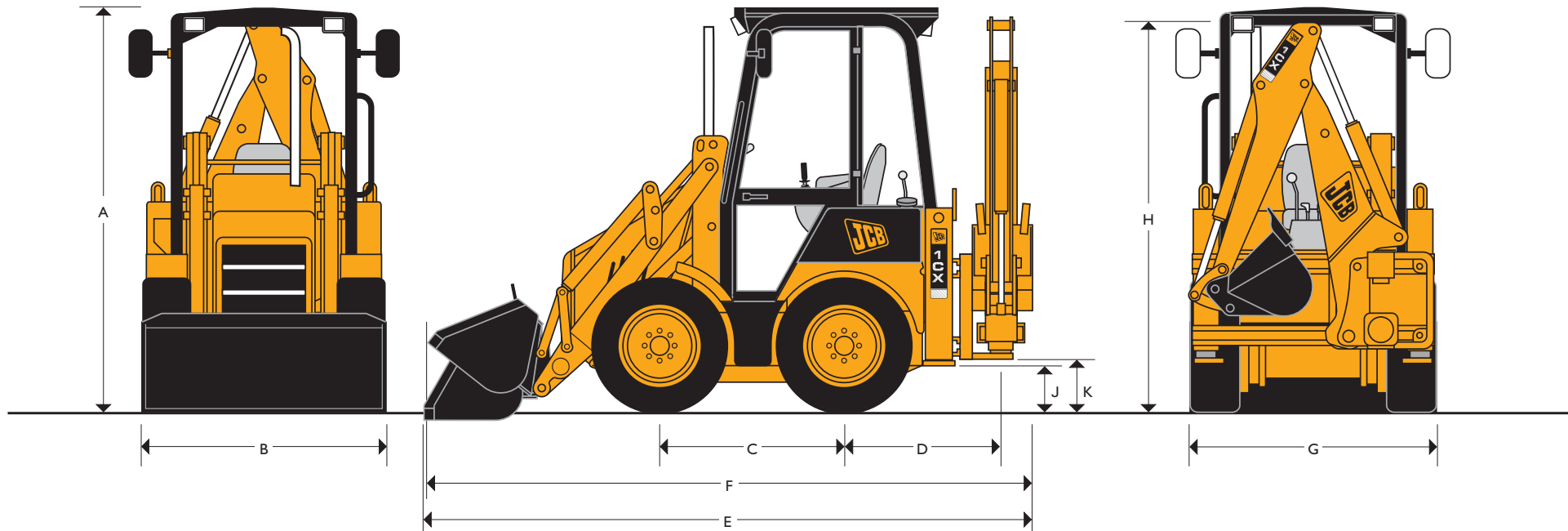




JCB BACKHOE LOADER | ICX



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) m (ft-in)	ICX (10x16.5 Tyres) m (ft-in)
A Overall height	2.26 (7-4)	2.25 (7-4)
B Overall width (over tyres)	1.43 (4-8)	1.58 (5-2)
C Axle centreline distance	1.07 (3-6)	1.07 (3-6)
D Slew centre to rear axle centre distance	0.87 (2-10)	0.87 (2-10)
E Total travel length	3.40 (11-2)	3.40 (11-2)

Machine model	ICX (7x15 Tyres) m (ft-in)	ICX (10x16.5 Tyres) m (ft-in)
F Total travel length (Shovel in carry position)	3.31 (10-10)	3.31 (10-10)
G Rear frame width (over tyres)	1.41 (4-7)	1.56 (5-1)
H Height of boom in carry position	2.22 (7-3)	2.21 (7-3)
J Stabiliser feet clearance	0.27 (0-10)	0.26 (0-10)
K Kingpost clearance	0.33 (1-1)	0.32 (1-1)

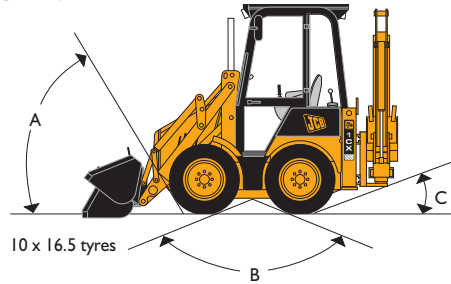


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GROUND LINE ANGLES

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



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
	kg (lb)
Weight	2790 (6150)
Loader rated operating capacity	610 (1346)
Pallet fork operating capacity	480 (1060)
Tipping load @ 400mm load centre (EEC 86/663)	960 (2120)

ENGINE

4 cylinder, 404C-22, engine conforms with mobile off-highway emissions regulations 97/68/EC stage II/EPA Tier II, 4 stroke, diesel engine, indirect injection, naturally aspirated – 2.2 litres displacement. Water cooled.

Machine model	ICX	
Displacement	2.2 ltr	
No. of cylinders	4	
Power ratings		
SAE J1995 gross @ 2800rpm	kW (hp)	37.3 (50)
SAE J1349 and EEC 80/1269 nett @ 2800rpm	kW (hp)	35 (47)
Torque Ratings		
SAE J1995 gross @ 2000rpm	Nm (lbf ft)	135 (104)
SAE J1349 and EEC 80/1269 nett @ 2000rpm	Nm (lbf ft)	130 (100)

Exhaust smoke R24.03. Engine oil service intervals: 500 hours. Fast start glow plugs.

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 case 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.

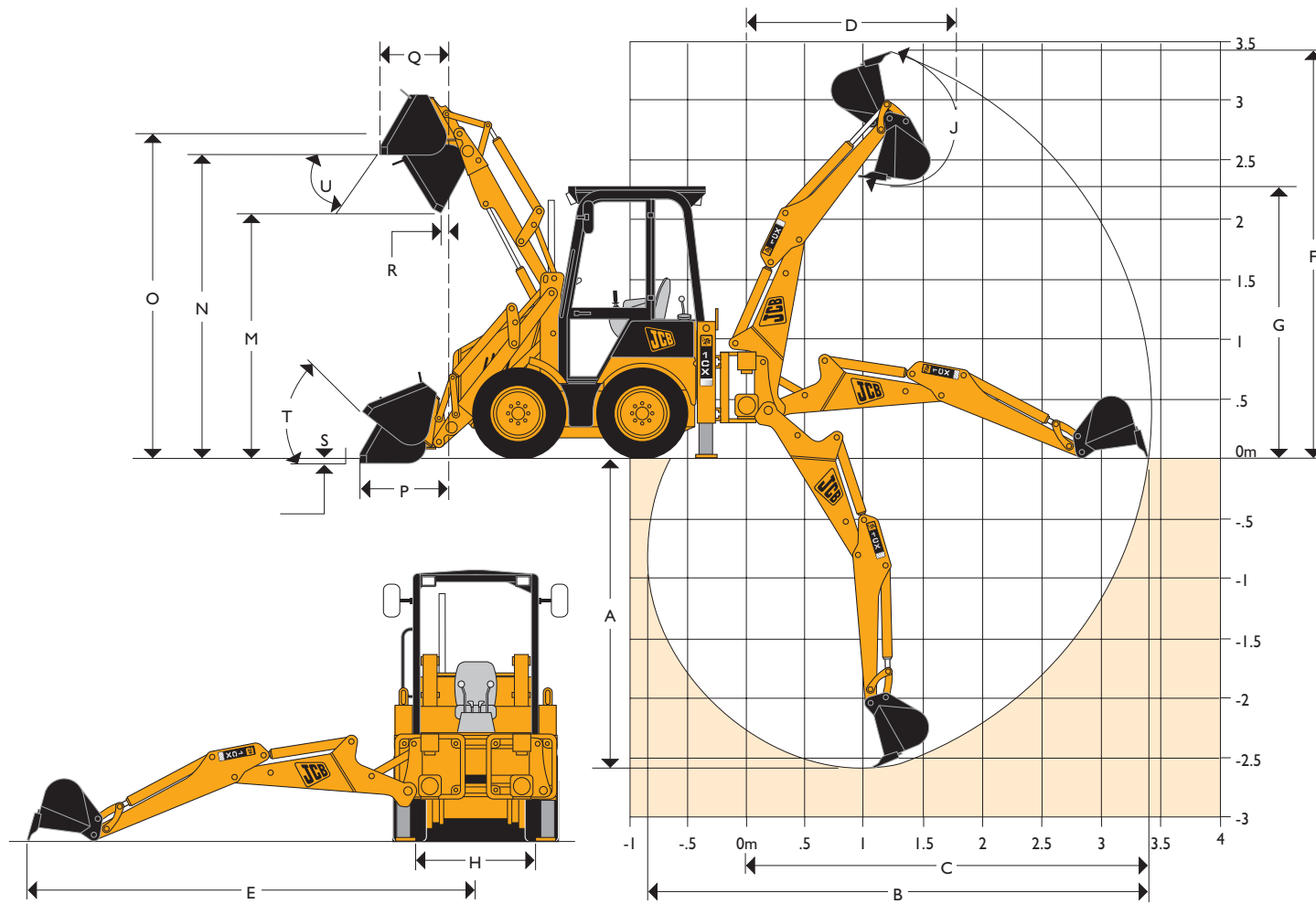
OPERATOR ENVIRONMENT

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.



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BACKHOE DIMENSIONS AND PERFORMANCE

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

LOADER DIMENSIONS AND PERFORMANCE

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



JCB BACKHOE LOADER | ICX



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

SERVICE CAPACITIES

Machine model	ICX
	ltr (gal)
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 case 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 and tractors.

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

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 over 400 distributors and agents, the company exports over 70% of its production to all five continents.

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

