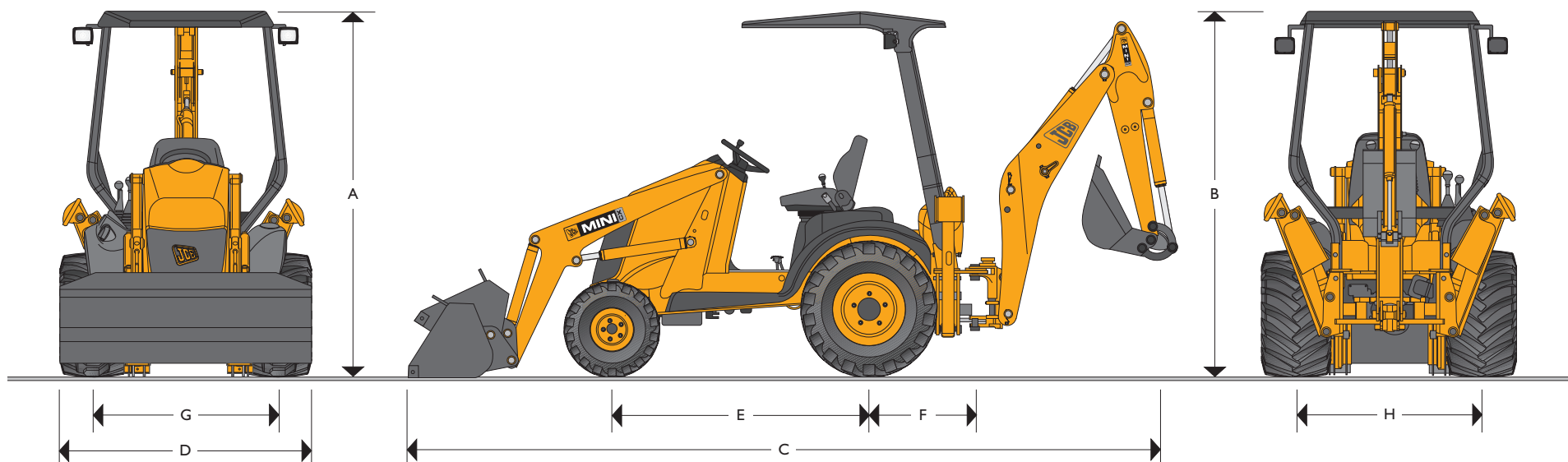




JCB BACKHOE LOADER | MINI CX



MAX. ENGINE POWER	14,7kW (20hp)
MAX. BACKHOE DIG DEPTH (STANDARD DIPPER)	2540mm (8ft 4in)
LOADER OPERATING CAPACITY	675kg (1488lb)



STATIC DIMENSIONS

Machine model	Mini
	mm (ft-in)
A Height to Canopy	2125 (7-0)
B Transport Height	2125 (7-0)
C Transport Length	4530 (14-10)
D Overall Width (over Tyres)	1470 (4-10)

Machine model	Mini
	mm (ft-in)
E Wheelbase	1559 (5-1)
F Slew Centre to rear axle centre distance	630 (2-1)
G Front Wheel Track	1080 (3-7)
H Rear Wheel Track	1095(3-7)

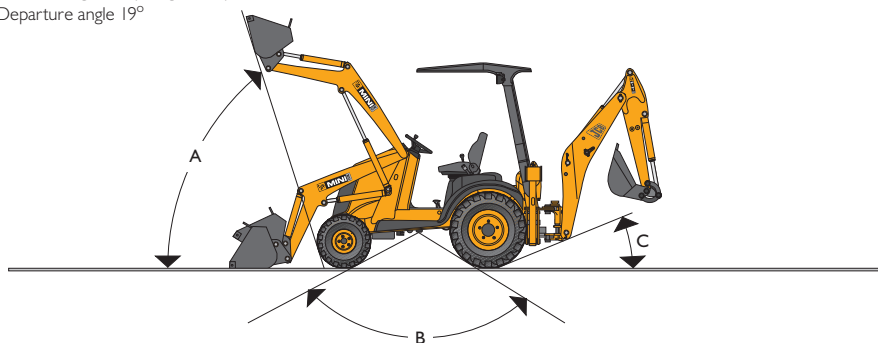


JCB BACKHOE LOADER | MINI CX



GROUND LINE ANGLES

- A Approach angle 75.4°
- B Interface angle/ramp to ground plane 127°
- C Departure angle 19°



OPERATING WEIGHT AND MACHINE RATING

	kg (lb)
Weight	1530 (3373)
Loader rated operating capacity	675 (1488)

ENGINE

Three cylinder, indirect injection diesel. Naturally aspirated, water cooled.

Model		103-10
Displacement	cm ³	954
No. of cylinders		3
Power ratings		
SAE J1995 gross @ 2800rpm	kW (hp)	15.1 (20.5)
SAE J1349 and EEC 80/1260 net @ 2800rpm	kW (hp)	14.7 (20)
Torque Ratings		
SAE J1995 gross @ 2.000 rpm	Nm (lbf ft)	58 (43)
SAE J1349 and EEC 80/1260 net @ 2800rpm	Nm (lbf ft)	56.5 (41.5)

Exhaust emissions certified to 97/68/EC Stage I. Power approved to 80/1269/EC. Exhaust smoke approved to 77/537/EEC.

CONTROLS

Loader:

Single lever controls all loader functions, positioned to the right hand side of the operator's seat for ease of operation.

Excavator:

Standard JCB Plus pattern control is logical as well as easy to both learn and operate. Optional ISO Plus pattern controls. Stabiliser levers fall easily to hand, positioned between the primary excavator controls.

LIGHTING AND ELECTRICS

12 volt direct electric starting with 40 amp alternator and standard thermostart aid.

- Heavy duty harness with secured sealed connectors for protection against both water and dust ingress. The connectors conform to IP69 standards.
- Standard battery 26Ah low maintenance.

Ignition and working lights control switches mounted on the central control panel. Also incorporated in the central control panel are the hour meter and warning light cluster which includes a warning buzzer to draw operator's attention to malfunction.

Located under the driver seat is a well protected fuse box designed to keep dirt and grime out.

Rotating work lights are available as an option.

TRANSMISSION

Hydrostatic transmission, giving zero to maximum travel speed, both forward and reverse at full power. Operated by a simple two pedal system the speed of the machine is governed by how far the pedal is pressed. The transmission also acts as the primary braking system.

Travel speeds forward: 0-10kph

Travel speed reverse: 0-6kph

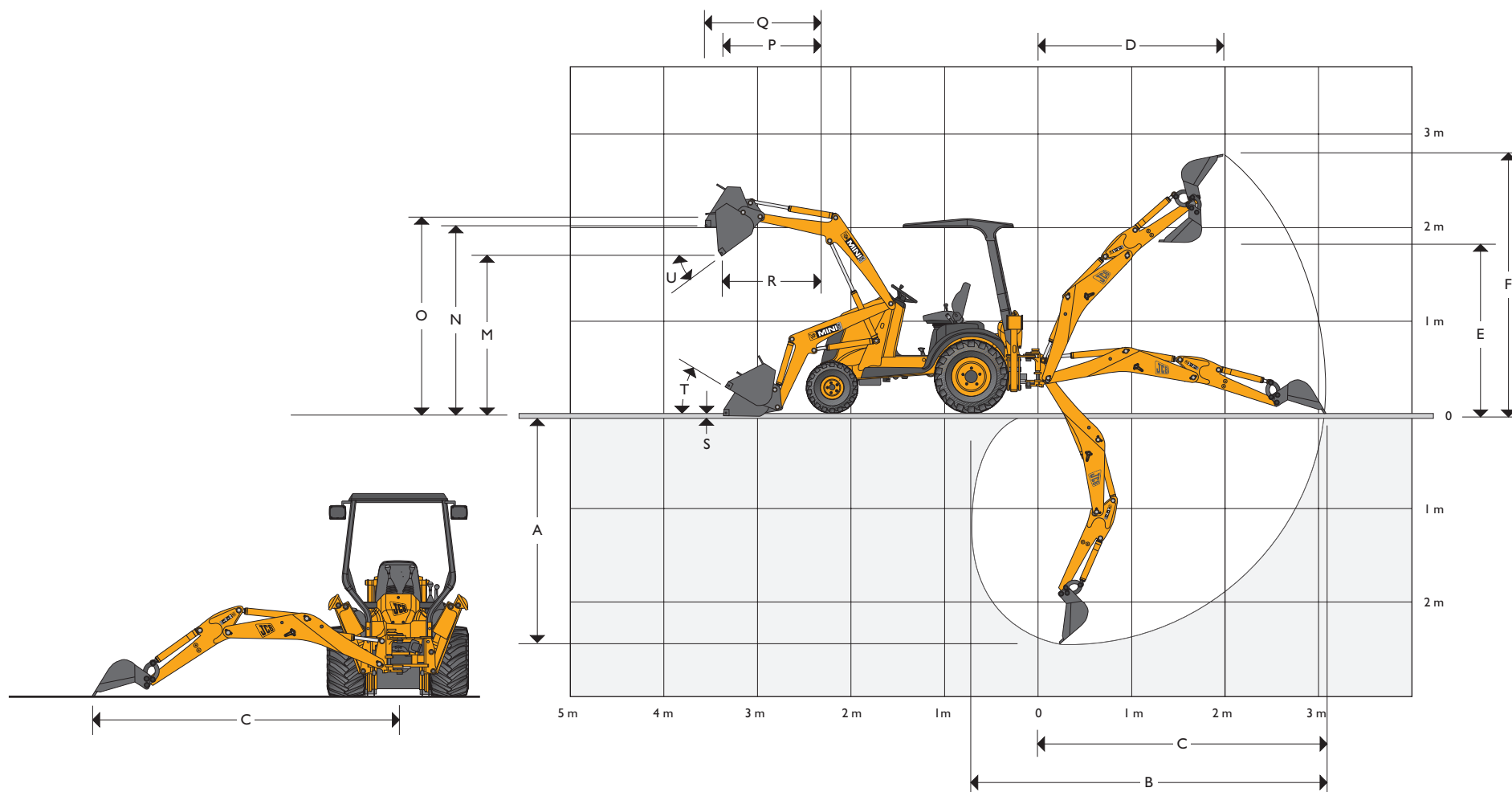
OPERATOR ENVIRONMENT

Full ROPS/FOPS canopy.

- Fully adjustable static seat
- Seat belt fitted as standard
- Exceptional all round visibility
- Ergonomically designed controls



JCB BACKHOE LOADER | MINI CX





JCB BACKHOE LOADER | MINI CX



BACKHOE DIMENSIONS AND PERFORMANCE

A	SAE Maximum dig depth	mm (ft-in)	2540 (8-4)
	SAE Maximum dig depth 2ft flat bottom	mm (ft-in)	2499 (8-2)
B	SAE Reach – ground level to rear wheel centre	mm (ft-in)	3740 (12-3)
C	SAE Reach – ground level to slew centre	mm (ft-in)	3110 (10-2)
D	SAE Reach – at full height to slew centre	mm (ft-in)	2025 (6-8)
E	SAE maximum loadover height	mm (ft-in)	1918 (7-4)
F	SAE maximum working height	mm (ft-in)	2894 (9-6)
	Swing arc	degrees	180
	SAE Bucket tearout	kg (lb)	1308 (2884)
	SAE Dipper tearout	kg (lb)	1506 (3320)

LOADER DIMENSIONS AND PERFORMANCE

M	Dump height	mm (ft-in)	1732 (5-8)
N	Loadover height	mm (ft-in)	2017 (6-7)
O	Pin height	mm (ft-in)	2150 (7-1)
P	Reach at ground level (toe plate horizontal)	mm (ft-in)	1010 (3-4)
Q	Maximum reach at full height	mm (ft-in)	1065 (3-6)
R	Reach at full height - fully dumped	mm (ft-in)	920 (3-0)
S	Dig Depth (toe plate horizontal) clearance	mm (ft-in)	65 (0-3)
T	Rollback at ground level	degrees	36.5
U	SAE dump angle	degrees	30
	SAE loader breakout - shovel	kg (lb)	1636 (3607)
	SAE maximum hydraulic lift capacity	kg (lb)	1562 (3444)
	Shovel capacity	m³ (yd³)	0.25 (0.30)



JCB BACKHOE LOADER | MINI CX



BRAKES

The JCB hydrostatic transmission provides the primary braking service, which is engaged simply by releasing either drive pedal. An independent rear axle mounted disk and calliper type parking brake, operated by an automotive style lever to the left of the operator seat, acts as secondary braking service.

STEERING

Full power hydrostatic system utilising the fixed displacement pump via a steering priority valve. In the event of engine failure, emergency steering is maintained.

Steering Axles		front
Steering turns – lock to lock		3.25
Kerb-kerb turning circle	mm (ft-in)	5842 (19-2)
Kerb-kerb loader clearance circle	mm (ft-in)	7163 (23-6)

TYRES

Standard Front: 28 x 8.5 – 12 6ply
 Standard Rear: 400/50 – 15 6ply traction tyre
 Both standard tyres have a general purpose tread pattern, which provides optimum traction with minimum ground disturbance.
 Optional Rear: 31 x 15.5 – 15 6ply turf tyre

HYDRAULICS

A fixed displacement pump is mounted on the main hydrostatic pump, which in turn is mounted directly to the engine. The fixed displacement pump supplies oil to steering, excavator and loader services and returns to tank through a full flow filter.

Main Pump – Flow @ 2.200 rpm	l/min	24
Main Pump – Flow @ flight	l/min	32
System working pressure – Backhoe and Loader	bar	200

SERVICE CAPACITIES

	ltr (gal)
Hydraulic system incl. tank	53 (11.7)
fuel tank	29 (6.4)
cooling system	3.7 (0.81)
Engine Oil with Filter	3.5 (0.77)
Rear Axle	1.41 (0.31)

STANDARD EQUIPMENT

ROPS/FOPS canopy
Hand throttle
Seatbelt
Turning static seat, 180° turn
JCB Plus excavator controls
Warning light and buzzer system
Neutral start interlock with handbrake and transmission
12V Auxiliary power socket
Horn

OPTIONAL EQUIPMENT

Auxiliary hydraulic supply to loader
Auxiliary hydraulic supply to excavator
Pin-mounted 4-in-1 shovel
Rotating work lights
Flashing beacon
Stabilizer street pads
ISO excavator controls
Front Shovel Float



JCB BACKHOE LOADER | MINI CX



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.

