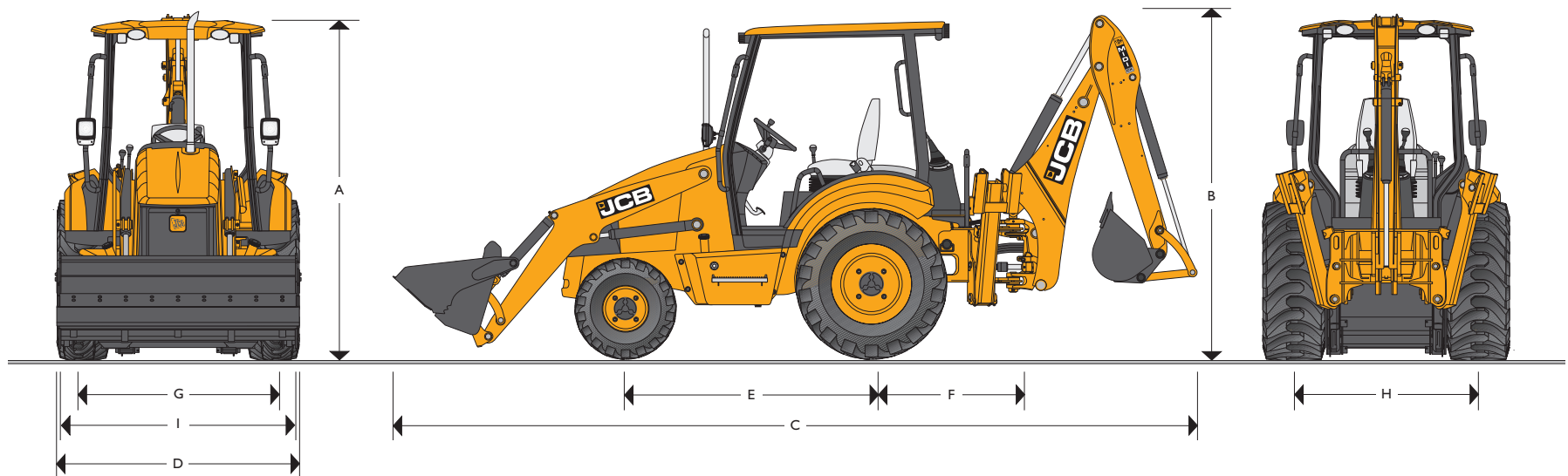




MAX ENGINE POWER: 50 hp    MAX BACKHOE DIG DEPTH (STANDARD DIPPER): 10 ft (3,048 mm)    LOADER LIFT CAPACITY: 3,487 lb (1,578 kg)



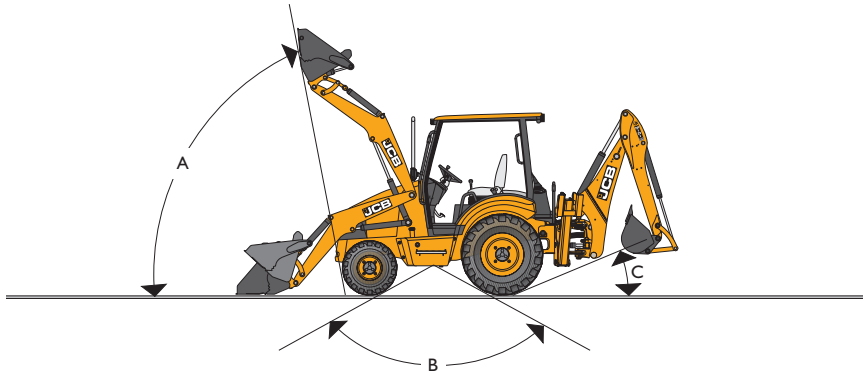
#### STATIC DIMENSIONS

Machine Model	Standard	Machine Model	Standard
	ft-in (mm)		ft-in (mm)
A Height to Canopy	7-4 (2255)	F Slew Center to Rear Axle Center Distance	3-5 (1080)
B Transport Height	7-4 (2550)	G Front Wheel Track	4-9 (1510)
C Transport Length	20-1 (6140)	H Rear Wheel Track	4-5 (1370)
D Overall Width (over tires)	6-1 (1845)	I Shovel Width	6-0 (1845)
E Wheelbase	6-1 (1860)		



## GROUND LINE ANGLES

- A Approach angle 80°  
B Interface angle/ramp to ground plane 127°  
C Departure angle 24°



## OPERATING WEIGHT

Weight	lb (kg)
Backhoe and GP Shovel	8421 (3820)
No Backhoe, Fitted with GP Shovel, TPH, PTO and Creep Speed (no links fitted)	6679 (3030)
Backhoe and GP Shovel, TPH, PTO and Creep Speed (no links fitted)	8598 (3900)

## ENGINE

Four cylinder, indirect injection diesel. Naturally aspirated, water cooled, cold start aid. EPA Tier III compliant.

Model	Perkins 404C22	
Displacement	2.2 liter	
No of Cylinders	4	
<b>Power Ratings</b>		
SAE J1995 Gross @ 2800 rpm	hp (kW)	50 (38)
<b>Torque Ratings</b>		
SAE J1995 Gross @ 1800 rpm	lbf ft (Nm)	105 (143)

## CONTROLS

**Loader:**

Single lever control for loader functions with a shadowing lever for auxiliaries, positioned to the right hand side of the operator's seat for ease of operation.

**Excavator:**

Standard SAE pattern controls. Stabilizer levers positioned between the primary excavator controls.

## LIGHTING AND ELECTRICS

12 volt electrics. 65 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 680 CCA low maintenance.
- Ignition and working lights control switches mounted on the side 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.
- Fuses are located in a protected compartment at the rear of the operator station. Rotating beacon available as an option.

## TRANSMISSION

Hydrostatic transmission with two speed switch, giving zero to maximum travel speed, both forward and reverse at full power. Operated by a simple forward/reverse lever located under the steering wheel, the speed of the machine is governed by engine RPM. The transmission also acts as the primary braking system.

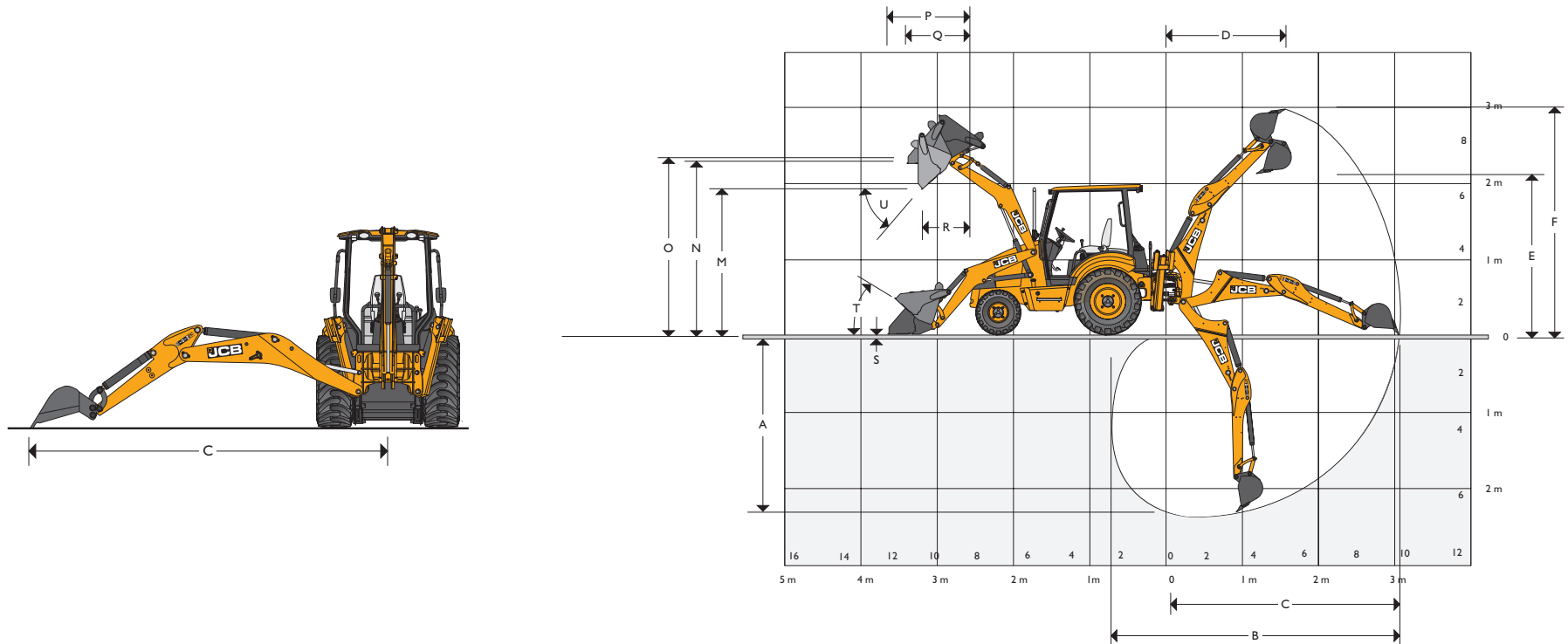
Travel speeds forward: 0-17.4 mph (0-28 kph)

Travel speed reverse: 0-17.4 mph (0-28 kph)

## OPERATOR ENVIRONMENT

Full ROPS/FOPS canopy (or canopy).

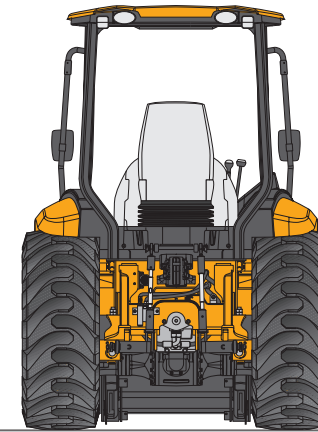
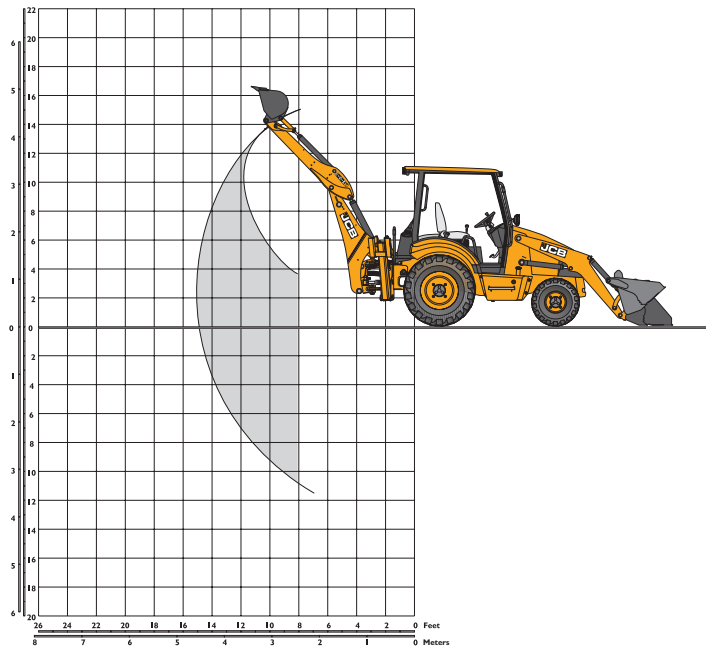
- Fully adjustable static seat in canopy
- Fully adjustable suspension seat in cab
- Seat belt fitted as standard to all seats
- Exceptional all round visibility
- Ergonomically designed loader and backhoe controls



## STATIC DIMENSIONS

A	SAE Maximum Dig Depth	ft-in (mm)	10-0 (3048)
	SAE Maximum Dig Depth 2 ft Flat Bottom	ft-in (mm)	9-7 (2958)
B	SAE Reach - Ground Level to Rear Wheel Center	ft-in (mm)	16-4 (5010)
C	SAE Reach - Ground Level to Swing Center	ft-in (mm)	12-2 (3720)
D	SAE Reach - at Full Height to Swing Center	ft-in (mm)	6-2 (1875)
E	SAE Maximum Loadover Height	ft-in (mm)	8-9 (2700)
F	SAE Maximum Working Height	ft-in (mm)	11-8 (3600)
	Swing Arc	degrees	180
	SAE Bucket Force	lbf (kgf)	6025 (2733)
	SAE Dipper Force	lbf (kgf)	4548 (2063)
	Swing Torque	lbf (kNm)	8253 (11.19)

M	Dump Height	ft-in (mm)	6-9 (2115)
N	Loadover Height	ft-in (mm)	9-1 (2790)
O	Pin Height	ft-in (mm)	9-6 (2940)
P	Reach at Ground Level (toe plate horizontal)	ft-in (mm)	4-7 (1425)
Q	Maximum Reach at Full Height	ft-in (mm)	3-8 (1150)
R	Reach at Full Height - Fully Dumped	ft-in (mm)	1-8 (563)
S	Dig Depth (toe plate horizontal) Clearance	ft-in (mm)	0-3 (76)
T	Rollback at Ground Level	degrees	33
U	SAE Dump Angle	degrees	60
	SAE Loader Breakout	lb (kN)	5830 (25.95)
	SAE Maximum Lift Capacity to Maximum Height	lb (kg)	3478 (1578)
	Bucket Capacity	yd <sup>3</sup> (m <sup>3</sup> )	0.46 (0.35)
	Rated Operating Load with Forks @ 24 in	lb (kg)	1795 (814)



### BACKHOE PERFORMANCE

Bucket Force	lbf (kgf)	6025 (2733)
Dipper Force	lbf (kgf)	4584 (2063)
Dipper Lift Capacity – SAE J31		
+ 4 Feet	lb (kg)	3550 (1610)
+ 6 Feet	lb (kg)	3400 (1542)
+ 8 Feet	lb (kg)	3300 (1497)
+ 10 Feet	lb (kg)	3050 (1383)
+ 12 Feet	lb (kg)	3680 (1670)
Boom Lift Capacity – SAE J31		
+ 10 Feet	lb (kg)	1650 (748)
+ 8 Feet	lb (kg)	1910 (866)
+ 6 Feet	lb (kg)	1970 (894)
+ 4 Feet	lb (kg)	2100 (953)
+ 2 Feet	lb (kg)	2080 (943)
Ground Level		2000 (907)
– 2 Feet	lb (kg)	1970 (894)
– 4 Feet	lb (kg)	1920 (871)

Lift capacity figures comply with SAE J31. All figures are stated in pounds (kilograms). The large arc indicates boom lift. The small arc indicates dipper lift with the boom at 63 degrees. Units are equipped with standard equipment as listed in this data sheet and a 24" backhoe bucket.

### REAR POWER TAKE OFF (OPTION)

PTO hp Rated at	25 hp
Spline	1 3/8" shaft
Rear PTO	540 rpm

### REAR HITCH (OPTION)

3-point Hitch	Category I Standard
Control Type	Position Only
Lift Capacity @ Link Ends	3130 (1420)
Lift Capacity @ 24 in Behind Lift Point	2500 (1135)



## STEERING

Full power hydrostatic system utilizing 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		2.5
Curb-Curb Turning Circle	ft-in (mm)	11-8 (3590)
Curb-Curb Loader Clearance Circle	ft-in (mm)	16-9 (5150)

## TIRES

Front: 10 x 16.5 Galaxy Ind (Standard)

Rear: 12.4 17L24 Galaxy Ind Lug (Standard)

The standard tire fitment provides traction with minimum ground disturbance.

Optional Front: 10 x 16.5 Turf Tire (Option)

Optional Rear: 17.5 L24 Turf Tire (Option)

## 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 @ 2600 rpm	gpm (l/min)	19.0 (72)
Main Pump – Flow @ Flight	gpm (l/min)	19.8 (75)
System Working Pressure – Backhoe and Loader	gpm (bar)	3451 (238)

## SERVICE CAPACITIES

	gal (l)
Hydraulic System Including Tank	23.8 (90)
Fuel Tank	15.8 (60)
Cooling System	3.1 (11.9)
Engine Oil with Filter	2.5 (9.6)
Rear Axle	1.8 (7)
Rear Axle – per Hub	0.2 (0.6)
Front Axle	1.4 (5.3)
Front Axle – per Hub	0.2 (0.6)

## STANDARD EQUIPMENT

Loader anti spill

ROPS/FOPS canopy

Hand throttle

Seatbelt

Turning static seat, 180° turn

SAE pattern excavator controls

Park brake buzzer and ignition warning light

Neutral start interlock with park brake and transmission

12 V Auxiliary power socket

Horn

Skid Steer compatible loader quickhitch

Front shovel float

LSD axles (rear only)

Adjustable front and rear worklights

Loader Hydraulic Auxiliary

## OPTIONAL EQUIPMENT

Quickhitch mounted 6-in-1 shovel

Loader aux detent

Backhoe Hydraulic Auxiliary - Hammer and Bi-directional

3 point Hitch Cat 1 with creep speed

Hydraulic PTO

Exc. mechanical Quickhitch

Toe plate (bolt on)

Street pads

Reverse alarm

Stabilizer guards (CM)

Fully glazed cab

Air conditioning

Turf tires

## BRAKES

Foot pedal applied oil-immersed multi disc inboard brakes with split pedals and independent braking. There are 3 discs each side for the service brakes. When the service brake is applied, the transmission will automatically slow down giving a more positive brake feel.



## A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into one of the world's largest manufacturers 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 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 an extensive dealer sales and service network in over 150 countries, 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.



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