

NEW

4CX WASTEMASTER | BACKHOE LOADER



4CX Wastemaster Backhoe Loader

More height, greater reach, better visibility





7am roading in

12pm pallet handling

11:30 moving containers

1pm compacting

8:30 compacting

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6:30 roading out

2pm loading

6pm sweeping up

12:30 material handling

It's all in a day's work for the new JCB Wastemaster

Compaction
and more

Moving containers

Hooklift attachment makes moving containers easy

Picking and sorting

Jaw Bucket is ideal for moving large items



Compacting

Improves site efficiency

Site maintenance

Sweeper Collector improves site efficiency

Roading ability

Drive on the road at up to 25mph (40kph)

COMPACTION EFFICIENCY

THE NEW JCB 4CX WASTEMASTER EXCELS AT SAVING TIME AND MONEY. MOVING CONTAINERS, SORTING MATERIAL, MAINTAINING A SITE – IT'S ALL IN A DAY'S WORK. AND SO IS WASTE COMPACTION.

Compaction

1 Attachments like the JCB Jaw Bucket can improve compaction efficiency by up to 3 or 4 times.

2 A Compaction Roller is a handy alternative to the Jaw Bucket.

Extra visibility

3 Our unique four stabiliser legs provide extra height for improved visibility into the container.

Maximum reach

4 The new 4CX Wastemaster is fitted with a large 7.10m excavator unit that can reach the full length of a container.



Compaction efficiency

To maximise efficiency on civic amenity sites, it's crucial to compact material and maximise weighbridge loads, in turn minimising collections. With this in mind, we've designed our new 4CX Wastemaster to maximise loads by up to 3 or 4 times (depending on the material).

MOVING CONTAINERS

OBVIOUSLY CONTAINERS NEED MOVING FOR ALL SORTS OF REASONS. WE'VE FITTED THE NEW 4CX WASTEMASTER WITH A HOOKLIFT FRAME TO HELP SHIFT THEM EFFORTLESSLY.

Hooklift Frame

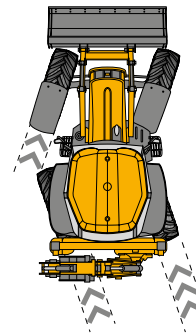
1 Alternative products struggle to move empty or (depending on material) laden containers; the new 4CX Wastemaster can haul it all, increasing site efficiency.

2 Our standard-fit Hooklift Frame connects easily to containers so you can rearrange a site.

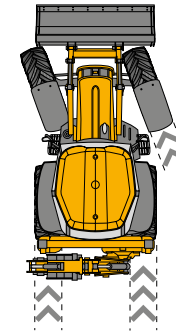
Steer modes

3 Three different steer modes – four-wheel steer, two-wheel steer and crab-steer – can be easily selected from inside the cab. This makes moving containers even easier.

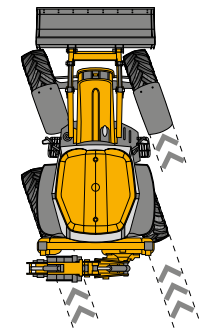
Four-wheel steer is ideal for working in restrictive spaces, while crab-steer and two-wheel steer mean you can precisely manoeuvre containers into tight spaces.



3 Four-wheel steer



Two-wheel steer



Crab-steer mode

PICKING AND SORTING

THE NEW 4CX WASTEMASTER IS DESIGNED TO PICK AND SORT INCOMING MATERIAL WITH EASE, AND IT CAN ALSO MOVE MATERIAL BETWEEN CONTAINERS.

Handling material

- 1 The JCB Jaw Bucket is built to pick and sort even the most awkward items (like mattresses or electrical goods).
- 2 The Jaw Bucket is exceptionally smooth to control, allowing operators to pick, sort and place materials accurately.

Palletised loads

- 3 Hazardous items like batteries, paint and oils are often stored on pallets before being taken to specialist recyclers.

The 4CX Wastemaster's integral forks, built into the standard Hydraulic Loader Quickhitch, can lift up to 2 tonnes of palletised loads.

Fully sorted

- 4 With the 4CX Wastemaster, it's easy to reorganise material inside containers. That means loads are maximised and everything can be put in the right place.



Sort with ease
Because manual handling guidelines recommend lifting no more than 25kg, the 4CX Wastemaster can take several loads off your operators' shoulders (and off your mind). It can also take on those unpleasant jobs like moving soiled mattresses or picking up sharp objects.

SITE MAINTENANCE

A CLEAN SITE IS A SAFE SITE. THAT'S WHY WE'VE MADE IT EASY TO SWAP BETWEEN ATTACHMENTS LIKE THE JCB SWEEPER COLLECTOR ON THE NEW 4CX WASTEMASTER.

Saving time

1 When it comes to keeping a site clean, the JCB Sweeper Collector is far more time-efficient than manual labour with brushes.

2 Choose the sweeper collector with a water sprinkler system for dust suppression.

Cleaning up

3 Material spills are a daily problem for busy civic amenity sites, so we've designed the new 4CX Wastemaster to help out – equip it with various loader buckets for fast, efficient collection.

Winter maintenance

4 Keeping sites safe for the general public during winter is, of course, vital. The new 4CX Wastemaster can clear snow and ice from public areas with the front shovel, sweeper collector or a specialist snow blade.

Sweeper Collector

JCB's Sweeper Collector attachment will save time, improve efficiency and increase safety. In short, it dramatically reduces clean-up time and ensures a tidy, safe site for the general public.



ROADING ABILITY

IF YOU'RE RESPONSIBLE FOR MORE THAN ONE SITE, LOOK NO FURTHER THAN THE NEW JCB 4CX WASTEMASTER. BECAUSE IT'S ROAD LEGAL, IT CAN TRAVEL BETWEEN SITES EASILY.

Maximum efficiency

1 With a 4-speed powershift transmission (complete with Torquelock), the 4CX Wastemaster can travel at up to 25mph (40kph).

Smoothride system

2 JCB's Smoothride System minimises bounce loadings; this means increased operator comfort, increased travel speed, reduced material spillage and reduces wear on the loader arms.

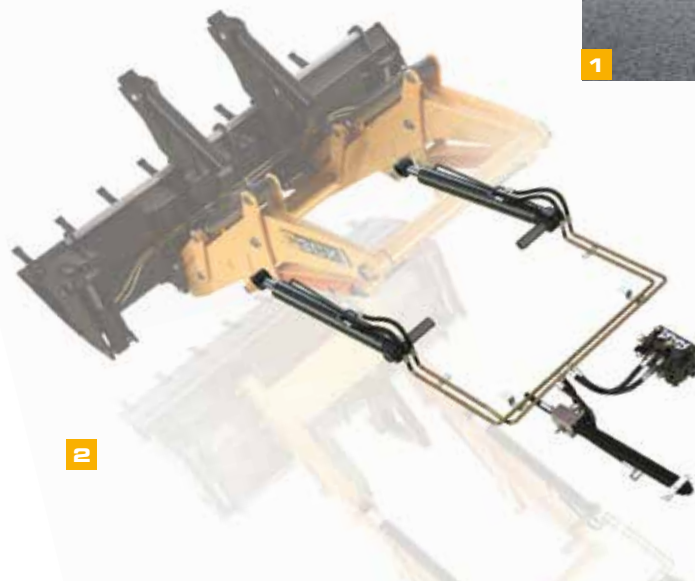
EcoRoad fuel efficiency

3 The 4CX Wastemaster has a specially designed all-JCB powertrain to maximise efficiency and fuel economy.

We've combined the superb powertrain with our innovative EcoRoad technology, designed to optimise efficiency and productivity when roading. EcoRoad can actually reduce fuel consumption by up to 25%.

Roading

The 4CX Wastemaster is perfect if you want to get the very most from your machine. If one site has shutdown days or if machines are only used for part days, just drive it between sites.



ATTACHMENT VERSATILITY



JAW BUCKET

The hydraulically operated jaw bucket is excellent for picking, sorting or compacting materials. It can pick up and place large items, or compact materials to maximise loads.



HOOKLIFT FRAME

Designed to move containers, the hooklift also includes integrated stabilisers to raise the height of the machine.



INTEGRATED FORKS

Integrated forks mean you can load and stack, as well as move palletised loads. This means you can use the 4CX Wastemaster instead of a forklift.



LOADER QUICKHITCH

All of the 4CX Wastemaster's shovels are quickhitch-compatible for fast changes. The quickhitch's heavy-duty design maximises performance and durability.



COMPACTOR WHEEL

This popular attachment is ideal for compacting materials in containers, maximising loads and improving general efficiency on site.



SWEEPER COLLECTOR

This heavy-duty sweeper collector features a floating frame to closely follow the contours of the ground. Add our water sprinkler for dust suppression.



WASTE SHOVEL WITH GRAB

A waste shovel with top grab allows loose or spilled material to be picked up and held with the top grab before being placed into containers. A GP shovel or 6-in-1 shovel are also available.



SNOW BLADE

This full width blade with a rubber edge can be angled left or right hydraulically. It rides on jockey wheels to follow road contours.

Made
to do the job



Extra reach
A 7.10m excavator arm provides great reach.

Hooklift Loader Frame
Designed to move containers easily, this also incorporates the front stabiliser legs.



Machine protection
Boom, lights and tyres have extra Wastemaster protection.



Extra height
Extended stabiliser legs give optimum visibility.

THE RIGHT SPEC

WITH HEIGHT, REACH AND VISIBILITY IN ABUNDANCE, THE NEW 4CX WASTEMASTER REALLY IS PURPOSE-BUILT FOR THE BUSY CIVIC AMENITY SITE.



Loader arms

- 1 The loader arms on the new 4CX Wastemaster are shared with the recently introduced 5CX backhoe loader.
- 2 These heavy-duty arms are strong and durable, built to handle the rigours of a Civic Amenity site.

Hooklift Loader Frame

- 3 Our versatile Hooklift Loader Frame is standard fitment on the new 4CX Wastemaster and it has two key uses.

Firstly, it incorporates the front stabiliser legs, which help provide a stable, safe work platform.

Secondly, it allows the 4CX Wastemaster to manoeuvre and reposition containers with ease.

Larger excavator unit

- 4 To make its extra working height even more useful, we've fitted the 4CX Wastemaster with a 7.10m excavator unit. This large excavator can move material from the rear of the container to the centre for easier compaction and more even loading.



Upping the ante

E The additional height provided by the extended stabiliser legs improves operator visibility for easier and, crucially, safer operation. Rubber streetpads to all stabiliser legs leave site surfaces unmarked.

Extended rear stabiliser legs

E The 4CX Wastemaster's extended rear stabiliser legs offer 400mm extra height over a standard 4CX.

Combined with the additional front stabiliser legs – part of the Hooklift Loader Frame – they also allow a level operating position and improve reach into containers.

Light guards

Z The 4CX Wastemaster's rear lights have guards, which are easily removable for public road travel.

Tyre protection

E However clean your site, punctures are still a real threat and can put a machine out of action for several hours.

The 4CX Wastemaster features liquid tyre fill, so minor punctures are instantly sealed and your machine can carry on working.

Boom protection

E Additional impact protection to the underside of the boom is fitted.



Safety
first



Clearly visible

Extended stabiliser legs provide superb visibility into the container and around the site.

SAFETY MATTERS

SAFETY IS A TOP PRIORITY ON ANY SITE, WHICH IS WHY THE 4CX WASTEMASTER FEATURES CHECK VALVES, ALARMS, HI-VIZ CHEVRONS, REAR SCREEN PROTECTION AND EVEN A KEYPAD IMMOBILISER.

Excavator stabiliser legs

1 Not only do the extended rear stabiliser legs offer 400mm more raise height, they're integral to the mainframe chassis for maximum strength and durability too.

Reflective red-and-white chevrons improve visibility on site.

Protected rear screen

2 We've fitted a toughened glass rear screen with a clear impact film.

JCB Impact Protection protects the screen from any flying debris when compacting, picking and sorting; if there's a breakage, the window stays in place.



The highest level of safety

The 4CX Wastemaster's stabiliser legs provide both a level operating position and extra height. That height improves visibility into the container, which in turn means more efficient retrieval, material selection and compaction, as well as safer operation.

Clearly visible

3 The operator has a clear view inside the container thanks to the JCB stabiliser legs.

The sliding rear window also allows easy communication with colleagues on site.

Check valves

4 In the event of a hydraulic line failure, the loader lift rams and stabiliser legs on a 4CX Wastemaster are protected by Hose Burst Check Valves (HBCVs).

The boom and dipper services also have HBCVs to guarantee operational safety.

Door safety alarm

5 If a door is opened when the 4CX Wastemaster is raised, an alarm will warn the operator to lower the machine before exiting.

Sensors on the stabiliser legs also alert the operator if the legs are not fully retracted before driving the machine.

Keypad immobiliser

6 Our standard-fit keypad immobiliser protects the machine. Programme a numerical keycode to prevent unauthorised use.



Comfort
and convenience



COMFORTABLE, PRODUCTIVE WORKING

JCB BACKHOE LOADERS ARE DESIGNED AROUND THE OPERATOR FOR FATIGUE-FREE, PRODUCTIVE ALL-DAY WORKING. CAB COMFORT, ERGONOMICS AND STYLING ARE ALL BEST-IN-CLASS.

Heated air suspension seat

1 A heated air suspension seat keeps the operator comfortable, fresh and productive.

AC and heater

2 Standard air conditioning and a full heater system means you can adjust the cab temperature no matter what conditions are like outside. This maximises both comfort and productivity.

Coffee machine

3 The standard-fit JCB coffee machine means you can make hot drinks at break time or during delays.

Hydraulic Powerslide

4 Repositioning is often a must when compacting, picking and sorting. Just as well that JCB's brand new Hydraulic Powerslide system is a standard fit – it makes repositioning effortless, precise and safe.



Instrumentation

We've designed the 4CX Wastemaster's instruments to be clearly, easily understood. There's also an alarm to warn of emergencies like low oil pressure or a blocked air filter.



Hydraulic loader quickhitch

5 The 4CX Wastemaster's standard-fit hydraulic quickhitch makes attachment changing quick, easy and safe.

So whether you need to change from a shovel to forks or a hooklift frame to a sweeper collector, it's a safe and efficient process with a quickhitch.



Heated front screen

6 We've fitted a heated front screen as standard, which means operators don't have to clamber across the machine with a scraper on a cold winter's morning.

That, of course, means that work can get underway quickly and safely.



In-cab cool box

7 This useful feature keeps essential refreshments cool and on-hand.

Servo controls

8 Seat mounted servo joystick controls are also standard-fit on the 4CX Wastemaster. They provide precise, effortless control of all loader and excavator functions.



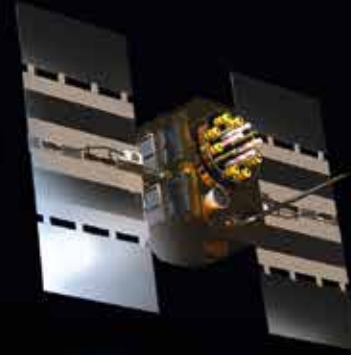
LIVELINK, KNOWLEDGE IS POWER

JCB LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MONITOR AND MANAGE YOUR MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE. LIVELINK GIVES YOU ACCESS TO A WHOLE HOST OF USEFUL DATA, INCLUDING MACHINE ALERTS, AND EVENT HISTORY INFORMATION. ALL YOUR MACHINE INFORMATION IS HANDLED AT A SECURE DATA CENTRE FOR YOUR PEACE OF MIND.



Productivity and cost benefits

Machine location information can improve fleet efficiency and you may even enjoy reduced insurance costs courtesy of the added security that LiveLink brings.



Maintenance benefits

JCB LiveLink makes it easy to manage machine maintenance. Accurate hours monitoring and service alerts improve maintenance planning, and real-time location data helps you manage your fleet. You'll also have access to critical machine alerts and maintenance history records.



Security benefits

Keep your machine operating safely with JCB LiveLink. Real-time geofencing alerts tell you when machines move out of predetermined operating zones, and real-time curfew alerts inform you if machines are being used when they're not supposed to be. Real time location information helps you store your machines in the safest places.



Note: Please consult your local dealer for Livelink availability.

VALUE ADDED

JCB'S WORLDWIDE CUSTOMER SUPPORT IS FIRST CLASS. WHATEVER YOU NEED AND WHEREVER YOU ARE, WE'LL BE AVAILABLE QUICKLY AND EFFICIENTLY TO HELP MAKE SURE YOUR MACHINERY IS PERFORMING TO ITS FULL POTENTIAL.

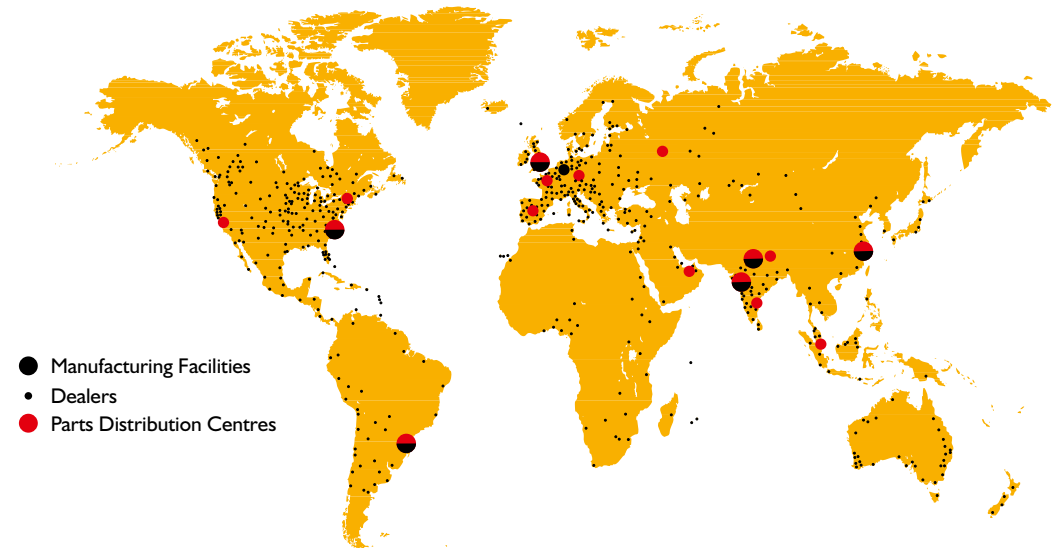


1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

2 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our Maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.

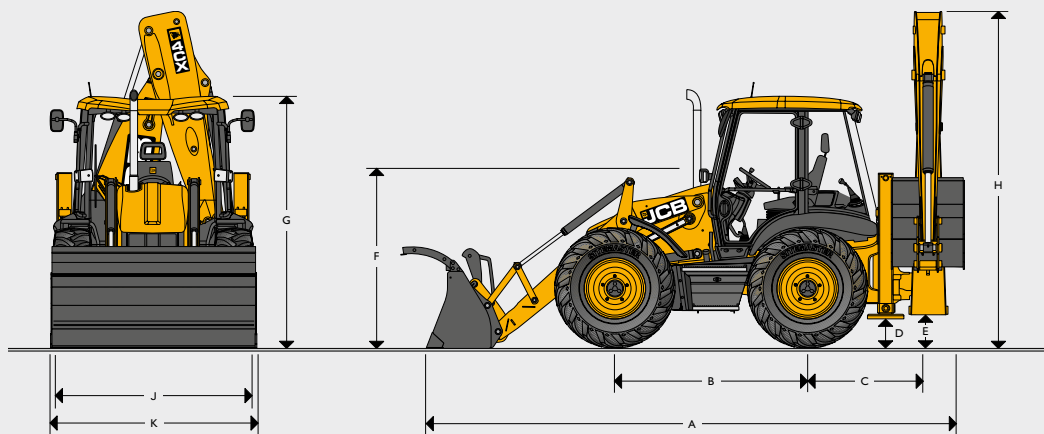


3 The global network of JCB Parts Centres is another model of efficiency; with 16 regional bases, we can deliver around 95% of all parts anywhere in the world within 24 hours. Our genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.



STATIC DIMENSIONS

JCB backhoe loaders feature a heavy-duty one-piece mainframe, componentised driveline and fully enclosed engine compartment. All fluid and component compartments are lockable using the ignition key.



Machine model	4CX ECO Wastemaster	
A Total travel length	m (ft-in)	6.74 (22-1)
B Axle centreline distance	m (ft-in)	2.22 (7-3)
C Slew centre to rear axle centre distance	m (ft-in)	1.36 (4-6)
D Stabiliser feet clearance	m (ft-in)	0.34 (1-1)
E Kingpost clearance	m (ft-in)	0.50 (1-8)
F Steering wheel centre height	m (ft-in)	1.88 (6-2)
G Cab roof height	m (ft-in)	3.03 (9-11)
H Total travel distance	m (ft-in)	3.93 (12-11)
J Rear frame width	m (ft-in)	2.36 (7-9)
K Shovel width (standard)	m (ft-in)	2.33 (7-8)
K* Shovel width (option)	m (ft-in)	2.44 (8-0)

LOADER PERFORMANCE

JCB loaders provide parallel lift self-levelling on the up and down cycle enhancing load retention and use of optional pallet forks. High capacity buckets combined with high lift and breakout forces maximise productivity.

		GP shovel	6-in-1 shovel
Shovel breakout	kgf (lbf)	6227 (13728)	6590 (14528)
Loader arm breakout	kgf (lbf)	5936 (13087)	5730 (12632)
Rated operating capacity*	kg (lb)	4638 (10225)	4378 (9652)
Clamping force	kgf (lbf)	-	2945 (6493)

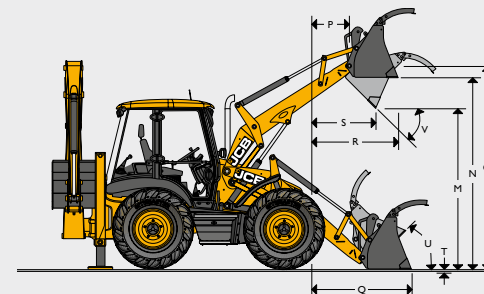
*Rated operating capacity as determined according to ISO 14397 : 2007.

OPERATING WEIGHTS

Operating weight includes machine with 6-in-1 shovel, 610mm excavator bucket, fuel tank and operator.

Weight	kg (lb)	9760 (21517)
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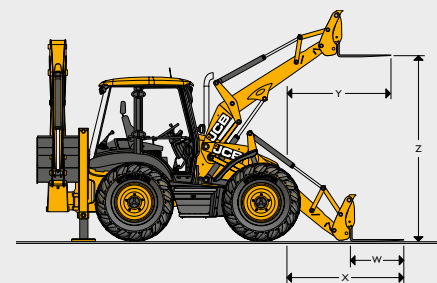
LOADER DIMENSIONS



			6-in-1 shovel
M	Dump height	m (ft-in)	2.69 (8-10)
N	Load over height	m (ft-in)	3.18 (10-5)
O	Pin height	m (ft-in)	3.46 (11-4)
P	Pin forward reach	m (ft-in)	0.41 (1-4)
Q	Reach at ground (toe plate horizontal)	m (ft-in)	1.39 (4-7)
R	Maximum reach at full height	m (ft-in)	1.17 (3-10)
S	Reach at full height fully dumped	m (ft-in)	0.76 (2-6)
T	Dig depth	m (ft-in)	0.18 (0.7)
U	Roll back at ground	degrees	45°
V	Dump angle	degrees	45°
	Jaw opening width	m (ft-in)	0.95 (3-1)

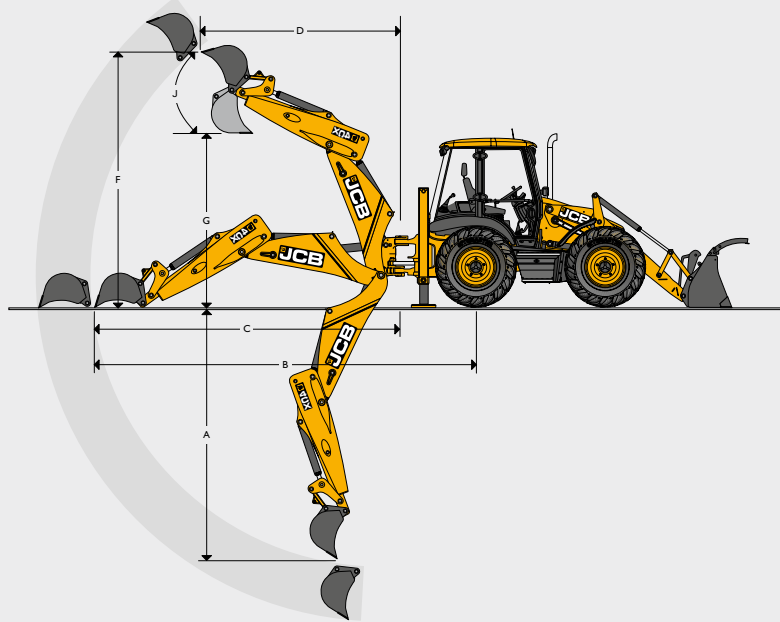
Integrated quickhitch and forks are unique to JCB and speeds up attachment changeover times and increases productivity. Using the hydraulic quickhitch, with the shovel removed, the flip over forks maximise fork lift capacity to 2000kg and increases visibility to the load.

LOADER ATTACHMENTS - FORKLIFT PERFORMANCE AND DATA



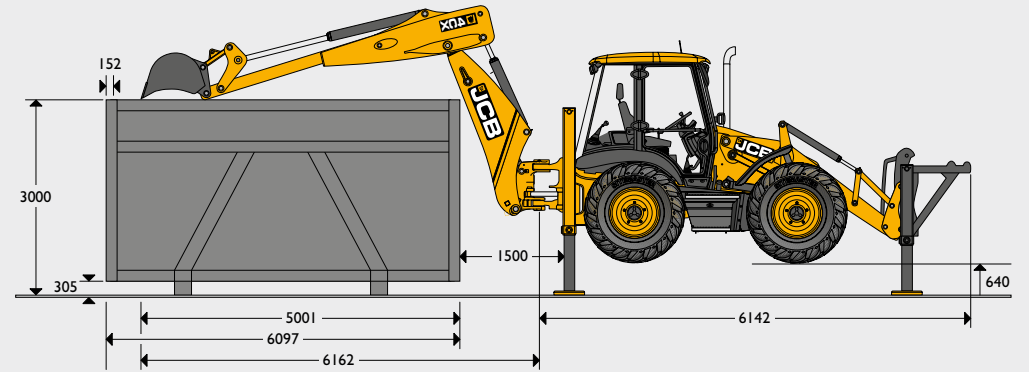
			Quickhitch mounted forks
	Section width	m (ft-in)	0.08 (0-3/4)
W	Fork length	m (ft-in)	1.1 (3-7)
X	Reach at ground	m (ft-in)	2.13 (7-0)
Y	Reach at full height	m (ft-in)	1.76 (5-9)
Z	Fork lift height	m (ft-in)	3.28 (10-9)
	Fork spacing - minimum	m (ft-in)	0.2 (0-8)
	Fork spacing - maximum	m (ft-in)	1.03 (3-4)
	SWL @ 500mm load centres	kg (lb)	2000 (4410)

BACKHOE DIMENSIONS



A	SAE maximum dig depth	Ext	m (ft-in)	6.14 (20-2)
		Ret	m (ft-in)	4.98 (16-4)
	SAE 2ft flat bottom	Ext	m (ft-in)	6.11 (20-1)
		Ret	m (ft-in)	4.93 (16-2)
	Maximum dig depth	Ext	m (ft-in)	6.51 (21-4)
		Ret	m (ft-in)	5.35 (17-6)
B	Reach - ground level to rear wheel centre	Ext	m (ft-in)	8.44 (27-7)
		Ret	m (ft-in)	7.35 (24-1)
C	Reach - ground level to slew centre	Ext	m (ft-in)	7.10 (23-3)
		Ret	m (ft-in)	6.01 (19-9)
D	Reach - at full height to slew centre	Ext	m (ft-in)	4.47 (14-7)
		Ret	m (ft-in)	3.43 (11-3)
E	Side reach - to centre line of machine	Ext	m (ft-in)	7.71 (25.3)
		Ret	m (ft-in)	6.69 (21-11)
F	SAE operating weight	Ext	m (ft-in)	6.52 (21-5)
		Ret	m (ft-in)	5.89 (19-4)
G	Maximum loadover height	Ext	m (ft-in)	5.03 (16-6)
		Ret	m (ft-in)	3.58 (11-9)
		Ext	m (ft-in)	4.55 (14-11)
	SAE loadover height	Ext	m (ft-in)	4.55 (14-11)
		Ret	m (ft-in)	3.58 (11-9)
H	Total kingpost travel		m (ft-in)	1.16 (3-10)
J	Bucket rotation			201 °

BACKHOE PERFORMANCE



Bucket tearout	Speed	kgf (lbf)	5387 (11876)
	Power	kgf (lbf)	6230 (13735)
Dipper tearout	Ext	kgf (lbf)	2675 (5897)
	Ret	kgf (lbf)	3722 (8206)
Maximum lift capacity of bucket pivot at full reach	Ext	kg (lb)	1199 (2643)
	Ret	kg (lb)	1556 (3430)

LOADER	<ul style="list-style-type: none"> • Front Stabiliser Lift System with Integrated Skip Hook • Integrated Hydraulic Quick Hitch With Flip Over Forks • Loader Hose Burst Check Valves • High Flow Loader Pipework • Return To Dig • Smooth Ride System • 1.3m³ Wastemaster Shovel with Single Piece Grab
EXCAVATOR	<ul style="list-style-type: none"> • Large Excavator 7.10m Reach • New High Performance Powerslide • Auxiliary Single and Double Flow • Excavator Boom And Dipper Hose Burst Check Valves • 24" Jaw Bucket • Stabiliser Leg Chevrons • Boom Ram Cushioning • Boom Protection Plate • ISO/SAE Control Patterns
CAB	<ul style="list-style-type: none"> • Advanced Easycontrol Servo Controls • Heated Air Suspension Seat • Air Conditioning and Integrated Cold Box • Emergency Safety Steps • Heated Front Screen • Fire Extinguisher • Rear Screen Impact Protection • Coffee Machine • Door interlock alarm • Immobiliser • LiveLink
DRIVELINE/CHASSIS	<ul style="list-style-type: none"> • 25mph (40kph) 4 Speed Powershift Transmission • TorqueLock • All Wheel Steer • Puncture Protection System • Streetpads (Loader And Excavator) Rear Light Guards • Reverse Alarm
OPTIONS	<ul style="list-style-type: none"> • 6-in-1 Shovel • General Purpose Shovel • Sweeper Collector • Compactor Wheel • Thumb Grab (available 2013) • Snow Blade • Biodegradable Oil • Excavator Quickhitch • 6 Speed Autoshift • Buckets Available 229mm (9") to 1100mm (43")



A selection of machines from the Wastemaster range.

Your nearest JCB dealer



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

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