



THE JCB BACKHOE LOADER

Maximum versatility for maximum productivity



A Product of Hard Work

Courtesy of Machine.Market

All the attachments you need

When you buy a JCB backhoe loader, you buy the very best there is, as more than 50 years of continuous product leadership testify.

Now, in this special brochure, we show you a whole range of thought-provoking equipment ideas, designed to help you achieve even higher productivity, and the most profitable return on your investment. Most of the attachments are equally suitable for earlier, as well as new, JCB machines. Your local JCB Distributor will be pleased to supply full details.

Use this quick-reference chart to find attachments of particular interest to you.



ATTACHMENT	General purpose shovels	6-in-1 shovel	Pole planter	Fork-mounted crane hook	Industrial forks	Road sweeper	Snow blade	Loader quickhitch	Rehandling bucket	Side-tip shovel	Concrete skip	High-tip shovel*	Waste skip*	Dozer blade*
INDUSTRY														
Building	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓	✓
Highways	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Local Authorities	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Gas	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	
Electricity & Telecom	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
Water	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	
Agriculture	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
Land Drainage	✓	✓		✓	✓	✓		✓	✓	✓		✓		✓
Forestry	✓	✓		✓	✓	✓		✓	✓					✓
Railways	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓
Page	6	6	7	7	7	7	7	7	7	7	7	-	-	-

* Not all attachments are supplied and supported by JCB.

-	✓	✓		✓	✓	✓		✓	✓		Log grab*
-	✓	✓		✓		✓		✓	✓		Winch
8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	General purpose bucket
8	✓	✓	✓		✓	✓	✓	✓	✓	✓	Ditching bucket
8	✓	✓	✓	✓	✓			✓	✓		Trapezoidal bucket
8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Excavator quickhitch
8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Tipping link/ Lifting hook
8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Extending dipper
8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Ripper tooth
6	✓				✓	✓	✓	✓	✓	✓	Hammer
6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Auger
6					✓	✓	✓	✓	✓		Patch planer
6	✓		✓	✓	✓	✓	✓	✓	✓	✓	Compactor plate
6					✓	✓	✓	✓	✓	✓	Kerbmaster
-	✓	✓		✓	✓	✓		✓	✓		Jaw*
-	✓		✓	✓		✓	✓	✓	✓	✓	Back-fill spade*
-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Trencher*
-		✓		✓		✓		✓			Log splitter
6				✓				✓	✓		Mower (Midi CX)
6				✓				✓			Spreader (Midi CX)
6				✓				✓	✓		Hedge trimmer (Midi CX)
10	✓			✓	✓	✓	✓	✓	✓	✓	Handheld breaker
11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Handheld earthdrill
11	✓			✓	✓	✓	✓	✓	✓	✓	Handheld disc cutter
11	✓				✓	✓	✓	✓	✓	✓	Handheld hydraulic drill
11	✓				✓	✓	✓	✓	✓	✓	Handheld rotary impact drill
11	✓		✓	✓	✓	✓	✓	✓	✓	✓	Submersible pump
-					✓	✓	✓	✓	✓	✓	Asphalt cutter*
-	✓	✓		✓		✓		✓			Chainsaw*

POWER AND EFFICIEN

POWERFUL LOADER PERFORMANCE

- Sloped engine bonnet for increased visibility
- Parallel lift maximises load retention
- Smooth Ride System (SRS) enhances load retention and improves ride both on and off site
- Integral forks increase forklift capacity

HIGHLY DURABLE CHASSIS

- Robust one-piece structure
- Easy filling at ground level thanks to saddle fuel and hydraulics tanks
- 160-litre fuel tank for reduced refuelling
- Exceptional ground clearance helps protect the underside
- Easy-to-adjust stabiliser wear pads give less downtime when adjustment is required

POWERFUL AND EFFICIENT ENGINE

- Ground-level access for easy servicing and daily maintenance
- Engine, transmission and axles designed and built by JCB
- Optional 6-speed autoshift transmission
- Torque Lock available on 4 or 6 speed transmission
- Optional limited slip differentials provide extra traction in challenging ground conditions



CY THROUGHOUT



SUPERB CAB ENVIRONMENT

- Class-leading cab with deluxe automotive styling
- Ultra quiet environment and low effort controls minimise operator fatigue
- Excellent all-round visibility
- Optional air conditioning increases operator comfort and productivity

UNRIVALLED BACKHOE VERSATILITY

- Equal length boom and dipper reduce the time spent repositioning the machine
- Rams and hoses concealed within the boom increase hose protection
- Narrow boom and dipper give excellent visibility
- Hydraulic Powerslide moves excavator position with no damage to the worksite
- Extradig provides an extra 1.2m dipper length

HIGHLY EFFICIENT TORQUE LOCK

- Up to 25% fuel savings for more efficient running costs
- 10% decrease in travel times
- 10% faster uphill
- 10% further working radius

Loading and a whole lot more

Loader-mounted attachments

With JCB backhoe loaders, straight-forward loading is just the tip of the iceberg as far as front-end potential is concerned. As you will discover, we offer a remarkably varied choice of standard and special attachments which will help to unleash the outstanding potential of these machines, making them even more productive and profitable.

The attachments range includes design-matched items manufactured by JCB, and proprietary items approved and recommended for use with JCB machines. Some, like our buckets and shovels, you would expect to find, but there are also many more specialist attachments you may be surprised to know are available; and that could lead to new, rewarding opportunities.



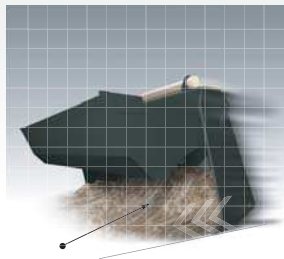
GENERAL-PURPOSE SHOVELS

A choice of two buckets for handling all types of loose material.

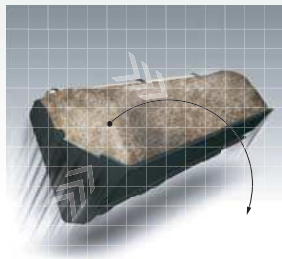


6-IN-1 CLAMSHOVEL

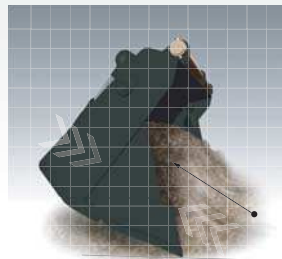
A choice of buckets with hydraulically operated clam for multi-purpose duties, including loading, digging, dozing, grading, grabbing and backfilling.



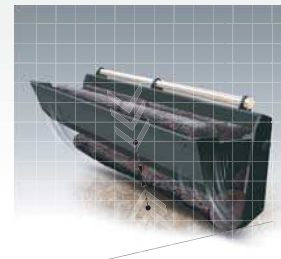
DOZING



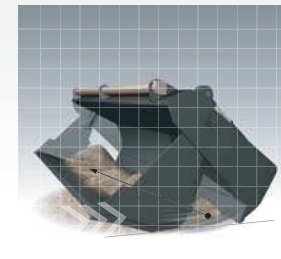
LOADING



DIGGING



GRABBING



GRADING



BACKFILLING



POLE PLANTERS

A time and labour saving attachment for the safe carrying and accurate positioning and placing of poles up to 460mm (18in) diameter.



FORK-MOUNTED CRANE HOOK

For use with bucket-mounted forklift, designed to lift and carry awkward objects or bulky loads. SWL: 1016kg (2240lb).



INDUSTRIAL FORKS

Forks enable the machine to be used for loading and stacking, with various fork lengths available to reduce damage when stacking.



ROAD SWEEPER

A hydraulically operated brush mounted on the loader arms, for sweeping roads, tracks, sites, depots, yards and similar areas.



SNOW BLADE

An independently powered, rotary-action snow clearer quickly fitted to the loader arms, with adjustable blowers directing the snow away from the machine.



QUICKHITCH

A popular, time-saving facility for instant attachment interchange. Choice of mechanical or hydraulic disconnect.



REHANDLING BUCKETS

Heavy-duty, full-width buckets for bulk earthmoving, site stripping and general rehandling of materials.



SIDE-TIP SHOVEL

Available as LH or RH options, the side-tip shovel is designed for safe and accurate placement of infill materials. Operating from the loader auxiliary service, it allows the operator to face the traffic and reduces potential traffic hazards. A quickhitch mount for rapid changeover times increases productivity.



CONCRETE SKIP

Specially designed for easy handling of concrete, ensuring accurate placement, e.g. in footings, foundations, bases etc.

Not just digging and dumping

Rear-mounted attachments

As with the loader end, JCB offers you an equally versatile range of options and attachments designed to give you considerably more scope with the backhoe than mere digging and dumping. You may be pleasantly surprised to find that so many different possibilities are available.

There are items of interest to all excavator loader users, in all fields of operation, including industrial, public and local authority sectors.

Each one is either purpose-designed and produced by JCB, or approved for use with JCB machines.



GENERAL-PURPOSE BUCKETS

Six interchangeable designs, in tough, welded steel, with hardened toeplates and side-cutting outer teeth.



DITCHING BUCKET

Specially profiled for waterway silt and weed removal. Optional bolt-on toeplate is available to extend service life, and quickhitch compatibility enables rapid changeover of attachments. Available in various widths to suit the application.



TRAPEZOIDAL BUCKET

Designed to form clean, taper-sided drainage ditches. Available with either 30° or 60° taper, plus replaceable wear parts extend service life.



EXCAVATOR QUICKHITCH

Enables a quick interchange between backhoe attachments. A hydraulic option is available on the 3CX and 4CX.



TIPPING LINK/LIFTING HOOK

Enabling machine to crane or lift materials, such as piping and girders. 1-tonne or 2-tonne lifting hooks available.



EXTENDING DIPPER

A separately powered dipper which extends and retracts to give up to 1.25m (4ft 1in) extra reach and dig depth compared with standard dipper. Saves time and is more productive and accurate, especially on river maintenance, grading, working in congested areas, minimising road obstruction and reducing position changing.



DETACHABLE BACKHOE

Excavator can be simply and quickly attached/detached, or a quick-release mechanism allows the removal of the excavator within minutes. Purpose built with a choice of manual or servo control.



RIPPER TOOTH

Designed to break through road surfaces. Available as a cast or fabricated option, plus the tooth is replaceable to extend service life.



HAMMER

A dipper-mounted breaker; independently powered and operated, with a strike rate of up to 1000 per minute, delivering up to 80kgf/m (578lbf/ft) per blow. Invaluable for breaking rocks, road surfaces and furnace slag, demolishing concrete foundations and slabs, pile driving and similar applications.



AUGERS

For drilling large holes in the ground quickly and accurately, ideal for installing telegraph poles, fence posts, gate posts, etc. Diameters: 152mm to 914mm (6in to 36in). Depths: 1016mm to 1829mm (40in to 72in).



PATCH PLANER

Variable wheel configuration enables planing right up to the kerb or wall. Variable depth control gives consistent planing with fast picks allowing quick changeover between concrete and asphalt planing.



COMPACTOR PLATE

Hydraulic components are protected within the sides of the base plate. A bolt-on extension leg is also available for use in deep trenches.



KERBMASTER

A dipper-mounted kerbmaster incorporating hose-burst check valves for failsafe operation and enabling a safe, simple way of positioning kerbstones. Available with either hydraulic or manual rotation.



ROTARY FINISHING MOWER

PTO-driven mower with a triple-blade cutting system for an excellent finish. Remote greasing points allow easy service access. Topping, flail and roller mowers are also available.



SPREADER

Featuring a shroud and agitator as standard for either grit or fertiliser spreading, plus a plastic hopper to eliminate corrosion.



HEDGE TRIMMER

Using a variable geometry arm for greater accuracy, the flail mower tackles grass mowing and hedge cutting with ease. Ample reach permits the vehicle to travel on the road, avoiding ditches and preventing damage to kerbs and verges.

Hydraulics give you even more attachment options



HANDHELD BREAKERS

A range of powerful air or hydraulic hammers. Hydraulic drills feature independent power which allows excavator and breakers to be used simultaneously. Quiet and economical, they eliminate the need for separate compressors, transport and manpower. The air-driven hammer operates off the air compressor.

Hydraulically operated tools

With the optional hydraulic loop circuit installed on your machine, you can choose from a huge range of additional tools for even more versatility, machine productivity and earning potential.



BREAKER STEELS

A wide range of tough, long-lasting steels in different sizes, includingmoil points, chisels, spades, asphalt cutters and pile drivers.



HANDHELD EARTHDRILL

Two-man drill capable of drilling holes up to 30cm (12") diameter. Portable, manoeuvrable and extremely quiet to operate.



HANDHELD DISC CUTTER

The most powerful hydraulic cut-off unit available is also compact and easy to handle for cutting concrete, asphalt, rail-track, guard rails, etc. A specialist water attachment is also available.



SUBMERSIBLE PUMP

Powered through JCB roadbreaker hoses, this self-priming pump operates with clean or contaminated liquids, including effluents, slurries and sludges. Comes complete with discharge hoses and achieves 800 litres per minute (180 UK gallons per minute) discharge at 3 metres (10ft) head. A version is also available which is capable of pumping gravel, sand and solids up to 75mm (3in) in diameter.



HANDHELD HYDRAULIC DRILL

Delivers safe, steady power for all general drilling applications. Light and compact for operator comfort with a strong, rugged gear motor that incorporates reversible drive. Operates from the HTTC.



HANDHELD ROTARY IMPACT DRILL

Ideal for hammer drilling in concrete, brick, road, rock and other difficult-to-drill materials. Reversible for easy bit retraction, the depth gauge and auxiliary handle are simply removed for improved access in tight areas. A rotary percussive drill is also available.

Whatever you need, whatever your industry

At JCB, we understand that certain industries and applications require specialist solutions. So we have developed certain units and associated equipment to answer specific requirements in specific areas of operation.

These include specialised machine builds, systems, attachments and tools to carry out many of the major tasks involved in each case.

They also represent the most economical method of fully equipping a workforce and getting the job done with the least possible delay and disturbance, and in the most cost-effective way.

CONSTRUCTION INDUSTRY

Quickhitch system, loader-mounted for fast coupling of attachments, including:

- **Forks**, with better visibility than bucket-mounted, for handling palletised loads, block and brick packs, pipes, timbers, sacks, etc.
- **Road sweeper**, for brushing mud and debris off site and public roads.
- **Pipe grab**, for hauling large sewer pipes, etc.
- **Concrete skip**, for accurate distribution and placing of concrete.

The Quickhitch can be an additional or alternative to the 6-in-1 clamshovel, extending even further the versatility of the JCB Sitemaster package. Attachments can be interchanged in less than two minutes.



LOCAL AUTHORITIES

Highways unit, comprising a 6-in-1 clamshovel, single or twin handheld breakers, jaw, backfill spade and asphalt cutter. The unit fully equips a JCB excavator loader for a wide variety of jobs and is now regarded as a standard highways specification by many local authorities.

Typical capabilities include:

- **Clamshovel**, for accurate backfilling with pea gravel, hard-core chippings, etc. Also general cleaning up on site, rehandling materials in depots, loading gritters, bottom dumping, eg pipes, manholes, etc, and removal of debris after roadbreaking.
- **Handheld breaker**. Self-contained units, not requiring separate compressors but independently powered so that backhoe can excavate in tandem with broken tarmac, concrete, etc.
- **Jaw** which holds asphalt cutter to chase out trenches on roads, for neater, more accurate trenching with minimum reinstatement. Removes, handles and prepares trenches for kerbstones, excavates trenches, and can be used to 'feel' for mains, etc, reducing risk of damage. Holds backfill blade for reinstating excavated material.



HIGHWAYS UNIT ALTERNATIVES

- **Extending dipper**, can be used to end-load trucks, rather than side-load, minimising traffic flow disruption by requiring single lane closure only.
- **High-tip bucket**, particularly useful during winter months for loading high-sided gritters, with extra dump height and reach for faster loading (Interchangeable with 6-in-1).
- **Handheld breakers**, ideal for demolitions and for penetrating difficult areas of rock boulders, etc.
- **Flail mower**, for grass and hedge mowing, with extra reach to tackle steep or high banks
- **Quickhitch pick-up** facilitates towing of trailers, gang mowers, etc, on municipal parks, golf courses, etc.



GAS

Highways unit recommended as standard, with similar job application versatility (see page 13). Ideal for new mains excavation, and for maintenance and replacement jobs. Additional attachments of special interest include the roadbreaker, crane hook/tipping link, trencher and jaw bucket.

ELECTRICITY

Recommended unit is a JCB excavator loader equipped with special facilities for underground cable and overhead line installation and maintenance. A typical unit would include a pole-planter, a JCB jaw, bucket and a trencher.

As well as general trenching and backfilling operations, such a unit can dig a square hole; remove and transport old poles; and lift, transport, position and plant new poles up to 12.4m (40ft) long, and 457mm (18in) diameter.

WATER

Chief duties here are the maintenance of rivers, canals, ditches and other waterways, so we recommend a standard machine fitted with a telescopic dipper. It then becomes a choice from the wide range of special ditching and river maintenance buckets.

High flotation tyres are available for 4-wheel drive machines.



LAND DRAINAGE

The 4-wheel drive JCB 3CX, fitted with an extending dipper, a 6-in-1 and a selection of standard and specialised buckets would be a typically productive and versatile unit on land drainage work.

High flotation, together with excellent manoeuvrability and full traction on poor ground, make it ideal for drain trenching, ditch forming, and materials handling.



FORESTRY

There is an extensive range of equipment available for JCB backhoe loaders carrying out forestry work, considerably increasing their already versatile performance.

The equipment includes: tree shears or pruners, pole planters, log clamps, winch for towing, stump pulling, etc, ditch digging and cleaning buckets, chainsaws, flail mowers, log splitters and brush sweeper.



RAILWAYS

JCB excavator loaders are the ideal choice for a whole range of jobs connected with permanent way maintenance. Suggested equipment includes: JCB jaw for handling sleepers, posts, etc, and many other jobs, crane hook, ballast handling, concrete skip, flail mower, dozer blade, winch, chainsaws and log splitters.

The JCB backhoe loader can also be supplied bogey-mounted as a multi-purpose, hi-rail operating unit. As well as performing a variety of normal track-upgrading jobs, attachments can be supplied for tie renewal, tie tamping and rail handling.



A great machine. A great package

JCB Sitemaster

The JCB Sitemaster unit comprises a JCB 3CX – the world's most advanced backhoe loader – complete with 6-in-1 clamshovel and bucket-mounted forks at the front, and a telescopic dipper, excavator bucket and lifting hook at the back.

2- or 4-wheel drive versions are available, as are several tyre options for various types of ground.

The Sitemaster is a unit which you can always find work for on site, from digging, site-stripping, backfilling, grading and dozing, to hauling, hoisting, forklifting, grabbing and materials rehandling.

And of course, there are many other options and attachments to make this an even more versatile, productive and cost-effective solution.



6-in-1 with forks



Extending dipper



Precision Control system with integrated, seat-mounted controls

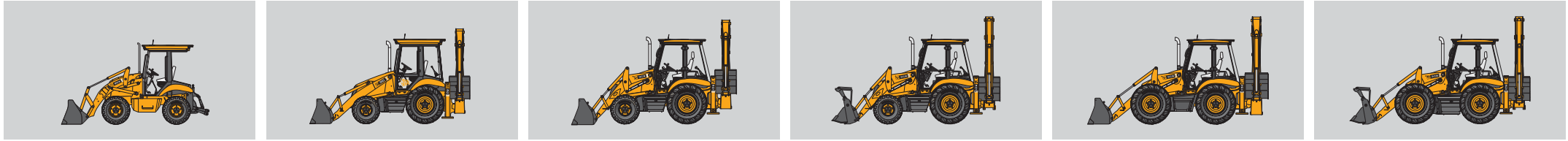




BACKHOE LOADER RANGE

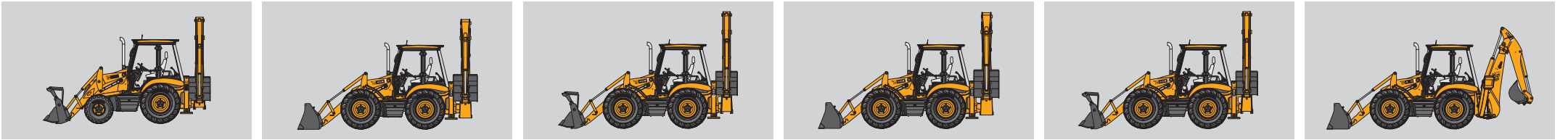
		MINI CX 4x4	ICX	MIDI CX	2CX
					
Operating weight	(kg)	2035	2790	4223	6354
Gross engine power	hp (kW)	22.5 (16.8)	50 (37.3)	50 (37.3)	75 (55.3)
Dig depth ret/ext	(m)	2.54	2.55	3.05	3.05 / 3.70
Steer mode		2WS	Skid	2WS	4WS
Loader shovel breakout	(kgf)	1636	2350	2646	3600
Loader shovel capacity	(m ³)	0.25	0.28	0.45	0.6
Maximum dipper tearout	(kgf)	1506	1488	2063	2253
Maximum bucket tearout	(kgf)	1308	2201	2733	4200
Pump flow	(l/min)	32	45 / HF 100	75	77
		2CXL	2CXS	2CX STREETMASTER	2CX AIRMASTER
					
Operating weight	(kg)	5800	5774	5710	5550
Gross engine power	hp (kW)	71 (53.3)	75 (55.3)	75 (55.3)	71 (53.3)
Dig depth ret/ext	(m)	N/A	3.66 / N/A	3.05 / 3.70	N/A
Steer mode		4WS	4WS	4WS	4WS
Loader shovel breakout	(kgf)	3600	3600	3600	3600
Loader shovel capacity	(m ³)	0.6	0.7	0.6	0.6
Maximum dipper tearout	(kgf)	N/A	2487	2284	N/A
Maximum bucket tearout	(kgf)	N/A	4200	4200	N/A
Pump flow	(l/min)	77	77	77	77

2CXU	3C	3CX	3CX SM	3CX SUPER	3CX SUPER SM
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5088	6490 / 6630	7370	8070	7725	8425
75 (55.3)	85 (63)	85 (63)	92 (68.6)	92 (68.6)	92 (68.6)
N/A	4.42 / 5.44	4.24	4.25 / 5.46	4.37	4.37 / 5.58
4WS	2WS	2WS	2WS	4WS	4WS
3600	5322	6170	6531	6227	6590
0.8	1.25	1.0	1.0	1.0	1.0
N/A	3175	3217	2255 / 3225	3217	2255 / 3225
N/A	5202	6324	6228	6324	6228
77	90	124	136	136	136

3CX CONTRACTOR	4CX	4CXSM	4CX SUPER	4CX SUPER SM	4CN
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8070	7950	8660	8130	8880	8660
100 (74.2)	100 (74.2)	100 (74.2)	100 (74.2)	100 (74.2)	100 (74.2)
4.24 / 5.46	4.32	4.32 / 5.53	4.98	4.98 / 6.14	5.191
2WS	4WS	4WS	4WS	4WS	4WS
6531	6227	6590	6590	6590	6590
1.0	1.1	1.2	1.3	1.3	1.3
2729 / 3903	3893	2729 / 3903	3713	2675 / 3722	3893
6228	6228	6228	6228	6228	6929
163	163	163	163	163	163

THE BEST BACK-UP IN THE BUSINESS

Always on hand to help

You demand more from your machines than ever before: more efficiency, more reliability, more performance. That's why superb product support has never been so vital.



Together with our extensive dealer network, at JCB we're as innovative and forward-thinking when it comes to customer care as we are in machine development. Our product support and after-sales service have one aim: to give you peace of mind.

The care and quality we offer is exceptional. All servicing is carried out by the best, factory-trained JCB engineers. Using the internet to pass vital information between on-site service personnel and our product support engineers, these professionals always have specialist information at their fingertips, so they can get you up and running again, faster.

Protect your machine and your cashflow

Everyone has individual needs and preferences. So we offer a range of service options all designed to help you cope with the unexpected and minimise costly downtime. Whether it's additional breakdown cover, an all-inclusive scheduled service programme, or servicing, we've got the best service option for you.



Finance packages, tailored to your needs

With ever-growing pressures on cashflows, the finance options available through JCB can provide a vital lifeline. Backed by JCB Finance, who can provide tax-efficient and cost-effective finance solutions, designed and tailored specifically to your needs.

Trust the genuine article

JCB parts are renowned worldwide for performance, reliability and safety. With replacement parts, we supply only the genuine

article, helping to safeguard the impressive residual values that you can expect in years to come.

As well as large stocks of parts engineered specifically for your machine, your JCB dealer also holds an extensive range of JCB: Filters, Lubricants, Grease, Wearparts, Tyres, Rubber Tracks and Service Exchange Components all manufactured to the same exacting standards. Your requirements can usually be supplied immediately by our dealers, but where this is not possible they can be ordered through the direct computer link between your dealer and JCB Service and processed through our impressive automated World Parts Centre warehouse. Despatch is normally the same day either to you or the dealer.

Whether we're providing you with support, parts or finance, we aim for 100% satisfaction. It's all part of our promise to put you, the customer, first.



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**A Product
of Hard Work**

Courtesy of Machine.Market