

BACKHOE LOADERS | 3CX COMPACT RANGE

Gross power: 55kW (74hp) Maximum dig depth: 4.33m Weight: 6070kg



Introducing the 3CX Compact range.

Back in 1953, JCB introduced the market to one of the world's most pioneering machines, the 'Backhoe Loader'. This provided our customers with a versatile 3 in 1 machine that changed working practice and increased productivity.

With the world becoming more populated, buildings being built closer together and more infrastructure being required, the Backhoe Loader plays a key role in this development.

The 3CX Compact was launched in 2015, providing the market with a machine which was more compact than a standard backhoe yet offered the same capability on or off road as its larger sibling.

Now the 3CX Compact is evolving again, with the addition of two new models – PLUS & PRO, which will provide our customers with increased versatility through new transmission features, hydraulic systems, attachment capability and much more...

Making the 3CX Compact, the ultimate Tool Carrier in the market.



3CX COMPACT PLUS.

The **3CX** Compact PLUS is our new, mid range machine offering, with all the same features as the entry level machine plus new added features fitted as standard:

Vari Speed – provides the operator with the ability to set a constant speed.

- 70 lpm Constant Flow allows the flow of the attachment to be set to a desired setting, such as a sweeper collector.
- Single loader lever with proportional auxiliary control – gives the customer precision control over the attachment fitted.
- Front Quickhitch options Either a Mk2 BHL front coupler or a skid steer loader coupler which increases the amount of front end attachments that can be fitted for added versatility.

 Power
 \$55kW

 Travel speed
 40kph

 Transmission
 HydroStatic + Vari Speed

 Loader lever
 Single lever

 Front auxiliary flow
 70lpm + Constant flow

 Excavator
 10' Fixed
 10' Extending
 12' Fixed
 12' Extending

3CX COMPACT PRO.

The **3CX Compact PRO** is the flagship offering in our range and the introduction of true SSL capability will open up its potential to many new sectors.

With all the standard features plus others that have been greatly enhanced, this is the ideal machine for where a larger backhoe cannot access.

- Vari Speed PRO provides the operator with the ability to preselect a preferred forward speed and keep constant while driving on different terrain.
- 7 Way Multifunction lever Provides better control of the machine.
- Hi Flow Standard up to 120 lpm allows the use of more powerful attachments.



MORE COMPACT.

SPACE IS BECOMING A
PREMIUM. THAT'S WHY THE
3CX COMPACT RANGE HAS
BEEN DESIGNED TO GIVE
YOU PERFORMANCE IN A
SMALL AREA. THIS MAKES IT
PERFECT FOR URBAN
WORKING AND RESTRICTED
CONSTRUCTION SITES.

- 1 35% smaller than a standard BHL.
- 2m wide and 2.74m high 50cm narrower than a standard backhoe, 25% lower than a standard 3CX.
- Narrow width lets you, enter parks and small construction sites with restricted access.
- 4 Low working height unlocks a new range of previously inaccessible work sites, such as low level buildings and basements.

6m turning circle and 2m width means it can work in a single carriageway allowing a road to be kept open.





MORE MOBILITY & MANOEUVRABILITY.

THE 3CX COMPACT IS THE ULTIMATE IN MANOEUVRABILITY.
ITS TIGHT TURNING CIRCLE AND SWITCHABLE STEERING
MODES ALLOW IT TO WORK IN A SINGLE CARRIAGEWAY
WITH MINIMUM DISRUPTION AND MAXIMUM PRODUCTIVITY.

- 1 Auto switchable 2WS/4WS allows the operator to change between roading mode to site with ease (PRO only).
- A three speed 40 kph hydrostatic transmission makes the 3CX Compact an incredibly independent machine with a large working radius for optimum productivity, without the reliance on other equipment for transport.
- The 3CX Compact is powered by a high torque 55kW (74hp) JCB by Kohler engine that requires no after treatment, keeping servicing costs and downtime to a minimum.
- 4 Vari Speed transmission is standard on the **PLUS** machine, which allows operators to preselect a preferred forward speed, a benefit when using attachments like sweeper brushes and collectors.
- Vari Speed PRO transmission, standard on the PRO allows operators to preselect a preferred forward speed and keep constant while driving on different terrain, a benefit when using attachments like trenchers and cold planers.





Two-wheel steer





MORE COMFORT.

A SPACIOUS CAB WITH EXCAVATOR CONTROLS PROVIDES OPTIMUM EASE OF USE AND CONTROLLABILITY. THIS ALSO HELPS TO IMPROVE THE OPERATOR'S SEATING POSITION, WHICH IN TURN MAKES IT A LOT MORE COMFORTABLE.

- 1 Excavator style controls fitted as standard for ease of use and controllability.
- SmoothRide System increases operator comfort on and off-road, as well as improving load retention.
- Powerslide option enables effortless repositioning of the boom, maximising operator ease of use and saving time and unnecessary damage to the street. It also allows uncompromised visibility to the ground and the attachment, for maximum precision and improved safety.
- 4 Plenty of internal/external storage space in the 3CX Compact helps organise the cab environment for improved comfort levels.
- 12V auxiliary circuit For powering of useful accessories such as phone chargers.
- Twin control lever **Compact**
- **☑** Single control lever **Compact PLUS**
- 7-way multifunction lever **Compact PRO**

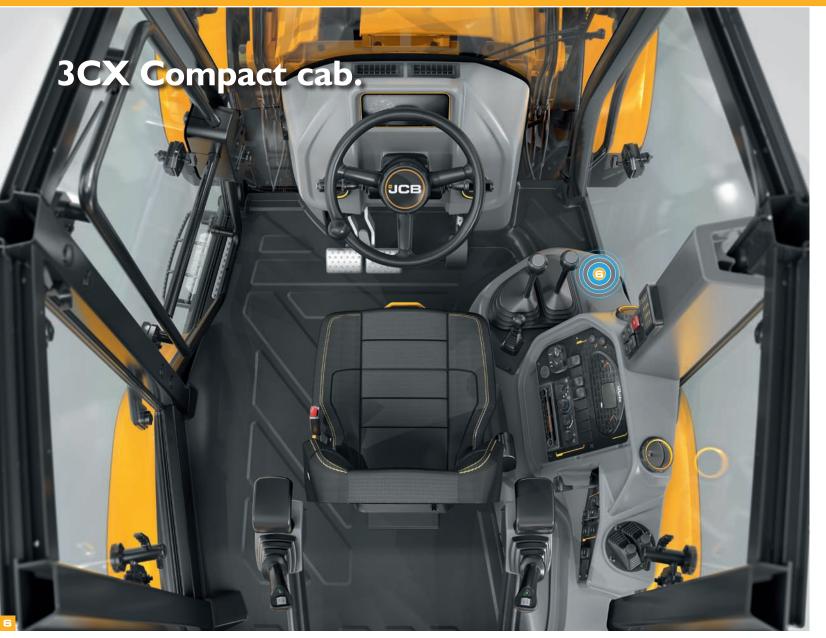
















MORE VERSATILE.

THE 3CX COMPACT IS NOT ONLY DESIGNED FOR THE VAST RANGE OF BACKHOE LOADER ATTACHMENTS. WITH THE ADDITION OF THE 3CX COMPACT PLUS AND 3CX COMPACT PRO, IT ALSO HAS THE ABILITY TO PICK UP A WIDER RANGE OF HIGH POWERED SKID STEER LOADER ATTACHMENTS.



A 3-in-1 machine, the 3CX Compact can be a compact excavator and wheel loader, with skid steer attachment versatility.





- 1 The 3CX Compact is not only designed for the vast range of tool carrier attachments. It also has the ability to pick up a wide range of skid steer loader attachments. Bi-directional pipework and a handheld tool circuit provide even greater versatility.
- With 120lpm auxiliary flow, attachments such as trenchers can now be used.
- This one machine can tackle multiple jobs eg. Pumping water, hand breakers, power tools, disc breakers.





MORE SAFE & SECURE.

THE 3CX COMPACT COMES STANDARD WITH MANY NEW AND IMPROVED SAFETY FEATURES TO KEEP THE OPERATOR SAFER THAN EVER BEFORE. OPTIONAL FEATURES ALSO AVAILABLE INCLUDE DUST SUPPRESSION, FISH EYE MIRRORS AND LED LIGHTS AND BEACONS.

- 1 Immobilisers Protect the machine. Simply programme a numerical keycode to prevent unauthorised use.
- Optional Fish Eye mirror provides full visibility to all rear attachments and blindspots.

Door sensor – Isolates auxiliary constant flow to prevent unauthorised operation of attachments.

- Ground level daily checks, make greasing safer with easier machine servicing. There is also a large, ground level capacity fuel tank for safe refuelling.
- 4 Good 360° operator visibility from the cab, ensures the operator remains in control of the working area.











- ED beacon and LED work lights provide clear vision during all hours of the day.
- Step light provides greater visibility clear vision when accessing the cab during night hours.
- B JCB's LiveLink telematics system allows you to monitor and manage your machine remotely anywhere in the world so you can improve the efficiency and security of your machine.

prevents build up of material for safe entry/exit to

machine.

3 points of contact for greater operator safety when entering/exiting machine.





MORE OPTIONS.



LED worklights and beacons.

Provides clear vision during all hours of the day.



Tow hitch.

Optional tow hitch enables the machine to move items around site and tow its own attachments.



Tool boxes.

Lockable tool box External and internal for safe and secure storage of tools.



Front and rear camera.

Optional front and reversing camera provides additional visibility to the operator, essential when working in busy sites or where pedestrians are in close proximity.



Clam/Ram guards.

The rams are reliable because they are protected from debris when loading by optional JCB clam shovel ram guards.



Periscope mirror.

Provides clear visibility to all front end attachments.



Lifting kits.

Enable the machine to carry out lifting operations. Hose burst check valves and an audible warning alarm maximise site safety.



Fish eye.

Mirror provides full visibility to all rear attachments and blindspots.



Immobilisers.

Protects the machine.

Programme a numerical keycode to prevent unauthorised use.



Hand held tool carrier.

Ability for one machine to tackle mulitple jobs eg. Pumping water, hand breakers, power tools, disc breakers.



ISO/SAE.

Controls For ultimate customisation. Choose optional SAE+/ISO+ control panel switch.



Step Lights.

Clear visibility when accessing or exiting the cab during night hours.



Powerslide.

Effortless repositioning of the boom, maximising operator ease of use and saving time and unnecessary damage to the street. It also allows uncompromised visibility to the ground and the attachment for maximum precision and improved safety.

Rear quickhitch.

Rear mechanical quickhitch to easily switch between attachments for complete versatility on any job.

MORE TYRE OPTIONS.

JCB OFFER A WIDE RANGE OF TYRES TO SUIT A WIDE VARIETY OF INDUSTRIES AND APPLICATIONS. A CHOICE OF CROSS-PLY OR RADIAL AND TREAD TYPES, ENSURE THE 3CX COMPACT HAS THE RIGHT TYRE FOR THE RIGHT CONDITIONS.



Sitemaster.

The JCB Sitemaster is a cross-ply type construction and provides good performance, value and durability for the operator.

12.5-18-10



Michelin Power CL.

The cross-ply Power CL tyre provides strength and stability with a high resistance to impacts and punctures. The sidewall integrity gives excellent vertical and lateral stability.

340/80-18



Michelin XMCL.

The radial construction of the XMCL gives excellent traction in dry or wet and difficult conditions. This tyre provides great wear characteristics and exceptional comfort when out on the road.

340/80 R18



Michelin Bibload.

The Bibload tyre is a true hard surface tyre that resists wear and tear and improves ride quality for the operator. The strong sidewall construction reduces the risk of punctures and it has exceptional lateral stability for a radial tyre.

340/80 R18



Michelin XP27.

The XP27 tyre is ideal for reducing the impact on ground condition with the ability to work at lower pressures, making this tyre the ideal turf tyre. The tyre also provides a low rolling resistance which helps save fuel.

340/65 R18

3CX COMPACT.

HIGHWAYS AND CIVILS.

AT 35% SMALLER THAN A STANDARD BACKHOE, THE 3CX COMPACT PROVIDES A VERSATILE SOLUTION FOR AREAS WHERE A LARGER MACHINE CANNOT ACCESS. IT IS LOWER IN HEIGHT AND NARROWER, HAS A TIGHTER TURNING CIRCLE PROVIDING EXCELLENT MANOEUVRABILITY AND HAS A 40KPH HYDROSTATIC TRANSMISSION, MEANING IT CAN TRAVEL TO SITE INDEPENDENTLY. IDEAL FOR A WIDE RANGE OF INDUSTRIES SUCH AS CONSTRUCTION,

Power	55kW				
Travel speed	40 kph				
Transmission	HydroStatic				
Loader lever		Twin lever			
Front auxiliary flow		120 lpm			
Excavator	10' fixed	10' extending	12' extending		
GP	•				
Direct mount		•			
3/8 pipework		•			
Constant flow		•			
No pipework		•			
Twin loader lever	•				
Yellow roof with black rear fenders		•			







3CX COMPACT PLUS.

THE 3CX COMPACT PLUS HAS THE SAME ATTRIBUTES AS THE 3CX COMPACT, PLUS HYDRAULIC AUXILIARY TO THE LOADER. THIS PROVIDES CONSTANT FLOW AND VARI SPEED, MAKING IT IDEAL FOR WHERE ATTACHMENTS SUCH AS LO FLOW SWEEPER COLLECTORS OR TRENCHERS CAN BE USED. AN OPTIONAL SSL QUICK COUPLER FURTHER INCREASES VERSATILITY WITH A WIDE RANGE OF LO FLOW SSL ATTACHMENTS. IDEAL FOR LANDSCAPING, UTILITIES AND MUNICIPALITIES.

Power	55kW			
Travel speed	40 kph			
Transmission		HydroStatic +	Vari Speed	
Loader lever		Single I	ever	
Front auxiliary flow		70 lpm + cor	nstant flow	
Excavator	10' fixed	10' extending	12' fixed	12' extending
GP		•		
Mk2 QH		•		
5/8 pipework		•		
Constant flow		•		
No pipework		•		
Single loader lever		•		
Yellow roof with yellow rear fenders		•		







3CX COMPACT PRO.

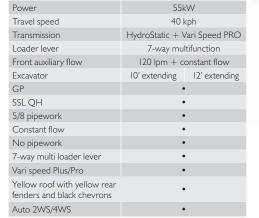
THE 3CX COMPACT PRO IS THE TOP OF THE 3CX COMPACT RANGE. IT HAS I20LPM LOADER AUXILIARY FLOW AND A SSL QUICK COUPLER AS STANDARD WHICH INCREASES THE AMOUNT OF ATTACHMENTS THAT CAN BE FITTED. ITS VARI SPEED PRO TRANSMISSION AND 7 WAY MULTIFUNCTION LEVER GIVE THE OPERATOR

COMPLETE CONTROL WHEN USING HI FLOW ATTACHMENTS, IDEAL FOR

HIGHWAYS, LANDSCAPING,

UTILITIES, TELECOMS, SNOW CLEARING AND

MUCH MORE.









3CX HIGHWAYS MASTER.

THE HIGHWAYS MASTER IS SOLELY DEDICATED TO THE HIGHWAYS INDUSTRY. IT HAS THE SAME FEATURES AS THE 3CX COMPACT PRO WITH THE ADDITION OF INDUSTRY COLOURS, RED AND WHITE CHEVRONS, DUST SUPPRESSION, SAFETY E STOPS, FRONT AND REAR CAMERAS AND POWERSLIDE AS STANDARD, PROVIDING THE ULTIMATE SOLUTION FOR THIS CHALLENGING INDUSTRY.

Power	55kW			
Travel speed	40 kph			
Transmission	Hydro	Static + Vari Spee	ed Pro	
Loader lever	7	7-way multifunction	า	
Front auxiliary flow	120) lpm + constant fl	ow	
Excavator	10' fixed	10' extending	12' extending	
GP		•		
SSH QH		•		
5/8 pipework		•		
Constant flow		•		
Hammer/BiDi		•		
7-way multi loader lever		•		
Vari speed Plus/Pro		•		
White and black loader		•		
Dust suppression		•		
Powerslide	•			
Hi-viz decals	•			
Auto 2WS/4WS	•			
LED		•		



LIVELINK, WORK SMARTER.

JCB LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MONITOR AND MANAGE YOUR MACHINES REMOTELY — ONLINE, BY EMAIL OR BY MOBILE PHONE.

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.

* Note: Please consult your local dealer for LiveLink availability



Maintenance benefits – Accurate hours monitoring, maintenance history records, critical machine alerts and service alerts improve maintenance planning.

Security benefits – Real-time geofencing lets you set operating zones and curfew alerts that tell you when your machinery outside of pre-determined times. Location information helps you store machines safely.

LIVE

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.





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.

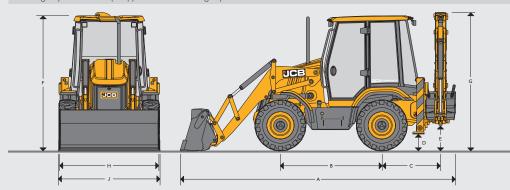
JCB offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our Maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance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

The global network of JCB Parts Centres is another model of efficiency; with 18 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.

Note: JCB LIVELINK and JCB extended warranty packages may not be available in your region, so please check with your local dealer.

STATIC DIMENSIONS

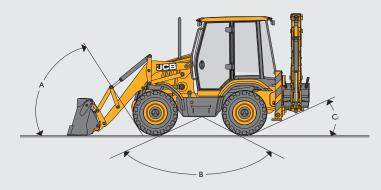
Max. Engine power: 55kW (74hp) max. tool carrier dig depth: 4.33m



			3CX COMPACT
Α	Total travel length	m	5.52
В	Axle centreline distance	m	1.99
С	Slew centre to rear axle centre distance	m	1.16
D	Stabiliser feet clearance	m	0.33
Е	Kingpost clearance	m	0.52
F	Cab roof height	m	2.65
G	Total travel clearance (10ft)	m	2.74
	Total travel clearance (12ft)	m	3.08
Н	Rear frame width	m	1.89
J	Shovel width	m	2.01

JCB tool carriers feature heavy-duty one piece mainframe, hydrostatic driveline and fully enclosed engine compartment. All fluid and component compartments are lockable using the ignition key

GROUND LINE ANGLES



Α	Approach angle	degrees	45°
В	Interference angle/ramp to ground plane	degrees	124.5°
С	Departure angle	degrees	19°

ENGINE

Common rail diesel. Belt driven water pump. Cold start aid – territory dependent. Single side servicing.

Engine emissions		Stage IIIB/T4
Manufacturer		JCB Diesel by Kohler Co.
Gross power	kW (hp)	55 (74) @ 2200rpm
Peak torque	Nm	300
Aspiration		Turbo charged
Displacement	CC	2482
No. of cylinders		4
Bore	mm	88
Stroke	mm	102
Rated engine	rpm	2350

TRANSMISSION

Bosch Rexroth transmission with anti-stall and high speed roading switch.

Туре		Hydrostatic
Model		Rexroth A6VM – 3 speed
1st (low range)	kph (mph)	6 (3.7)
2nd (high range)	kph (mph)	10 (6.2)
3rd (high speed)	kph (mph)	40 (24.9)

SERVICE CAPACITIES		
Cooling system	ltr	16
Fuel tank	ltr	80
Engine oil sump	ltr	11.2
Hydraulic system (including transmission)	ltr	104
Rear axle	ltr	9.0
Front drive axle	ltr	9.0

AXLES			
	Front	Rear	
Туре	JCB Max-trac steer driv	e torque proportioning	
Axle ratings	kg		
Static load rating	7484		
Dynamic load rating	37	65	
Oscillation angle	9.5°	-	
Steering ram	Double acting	Double acting	

STEERING	
Steering axles	Front and rear
Steering turns – lock to lock	4
Turning circle:	m
Inner wheels braked	5.8
Inner wheels not braked	6.7

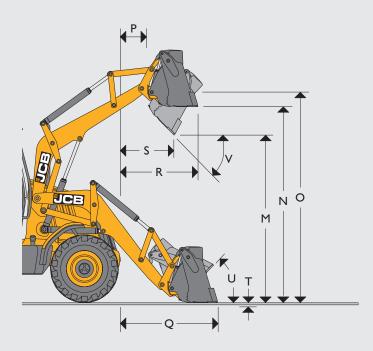
OPERATING WEIGHTS 1 Oft Extradig kg 6070

Operating weight includes machine with 6-in-1 shovel, 600mm excavator bucket, extended dipper, full fuel tank and operator. Actual weight will vary depending on machine options.

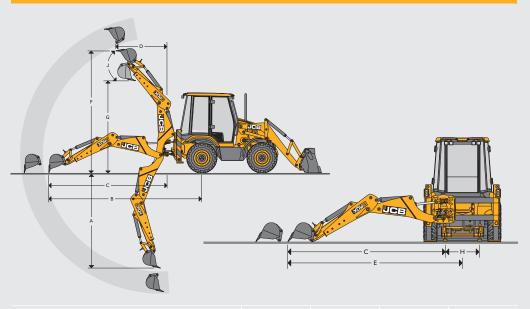
NOISE AND VIBRATION LEVELS			
Internal	dB(A)	71	
External	dB(A)	101	

LOA	DER DIMENSIONS			
		G.P. Shovel	6-in-1 shovel	Narrow G.P. shovel
		m	m	m
	Overall width with bucket	2.01	2.01	1.40
Μ	Dump height	2.17	2.35	2.38
Ν	Load over height	2.96	3.02	2.99
0	Loader hinge pin height	3.20	3.20	3.20
Р	Pin forward reach	0.43	0.43	0.30
Q	Reach at ground (toe plate horizontal)	1.52	1.52	1.58
R	Max. reach at full height	1.16	1.16	1.22
S	Reach at full height fully dumped	0.64	0.79	0.82
Т	Dig depth	0.15*	0.15*	0.15*
U	Roll back at ground	45°	45°	45°
V	Dump angle	45°	45°	45°
	Jaw opening width	-	0.7	-

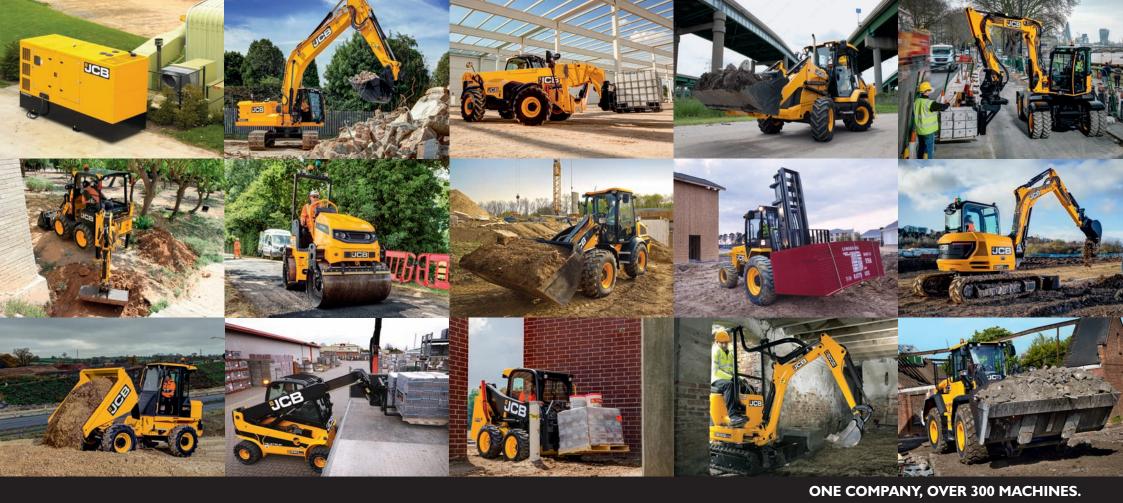
^{*}With quickhitch.



EXCAVATOR DIMENSIONS



				10ft Standard dipper	10ft Extradig	I 2ft Standard dipper	12ft Extradig
				m	m	m	m
Α	SAE max dig depth	m	Ext	-	3.75	_	4.36
A			Ret	3.07	3.07	3.38	3.38
	SAE 2ft flat bottom	m	Ext	-	3.72	-	4.27
			Ret	3.05	3.05	3.36	3.36
В	Reach – ground level to rear wheel centre		Ext	-	5.79	_	6.43
D			Ret	5.18	5.18	5.82	5.81
С	Reach – ground level to slew centre	m	Ext	-	4.60	-	5.21
C			Ret	3.99	3.99	4.60	4.60
D	Reach – at full height to slew centre	m	Ext	-	1.92	_	3.17
D			Ret	1.44	1.46	2.71	2.71
Е	Side reach – to centre line of machine	m	Ext	_	5.09	-	5.52
L			Ret	4.45	4.45	4.91	5.15
F	SAE operating height	m	Ext	-	4.45	-	4.97
'			Ret	4.05	4.05	4.57	4.57
G	Maximum loadover height	m	Ext	-	3.26	-	3.75
G			Ret	2.74	2.71	3.05	3.05
	SAE loadover height	m	Ext	-	3.20	-	3.69
			Ret	2.47	2.47	3.32	3.29
Н	Total kingpost travel	m		1.00	1.00	1.00	1.00
J	Bucket rotation			187°	187°	187°	187°



Your nearest JCB dealer

BACKHOE LOADER 3CX COMPACT

Gross power: 55kW (74hp) Maximum dig depth: 4.33m Weight: 6070kg

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