



Go anywhere, do anything compact performance

Compact dimensions allow the 403 to access restricted farm buildings
and other sites

Hydrostatic transmission makes it easy for anyone to operate

28kW (37.5hp) engine gives lively performance

Individual wheel motors give excellent ground clearance
and eliminate vulnerable propshafts

Reliability, durability and low maintenance make the 403
an excellent investment



The JCB 403 is our first machine to compete in the under-50hp compact loading shovel sector. And as you would expect from a JCB machine, it raises the bar.

This compact, manoeuvrable and extremely useful little machine features a lively engine for fast performance, with a 15kph (9.3mph) maximum speed. The 0.3 cubic metre shovel and 2180mm (7ft 2in) dump height will have loads shifted in no time, while the 403's ability to nip in and out of restricted poultry and livestock sheds and around busy landscaping, merchant and garden centre sites makes it absolutely indispensable.

One of the key things customers look for in this size of machine is ease of operation. Thanks to the hydrostatic drive, anyone can get to grips with the 403 in a matter of minutes. With individual hydraulic motors on each wheel, there are no drive shafts, so the 403 gives you excellent ground clearance and protection against picking up baling twine, metal banding or straw. Plus the 403 is reliable, durable (for good resale, if you can part with it), economical to run and requires very little maintenance.

All in all, an incredible all-rounder with a wealth of potential uses.

Such a small machine... so much potential

The compact 403 can tackle numerous applications in diverse situations, getting the job done quickly, efficiently and economically.

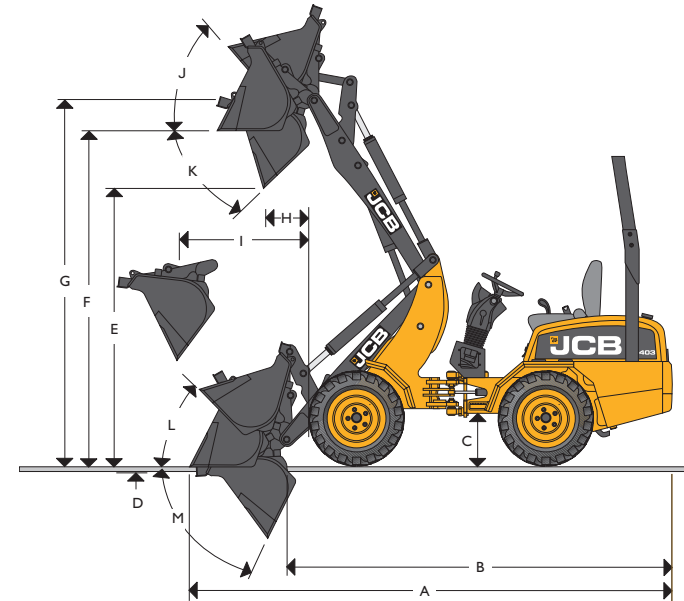
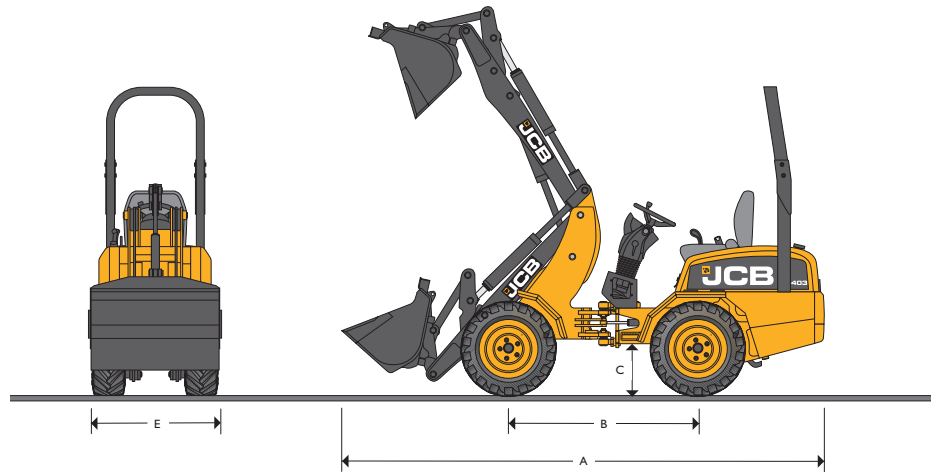
Agricultural users will find the machine's ability to fit into the eaves of poultry sheds and access even the most restricted livestock sheds and farm buildings invaluable.

Rental and construction users will again appreciate the compact manoeuvrability, along with real integral strength which allows the 403 to cope with the rigours of the toughest environments. Even landscaping and grounds care applications are tackled by the 403 with ease.

Add a large selection of attachments – such as shovels, pallet forks or muck fork and grab – and you have a truly versatile machine you can really count on.



MAX. ENGINE POWER: 28kW (37.5hp) MAX. OPERATING WEIGHT: 1990kg (4387lb) MAX. LOADER CAPACITY: 0.3m³ (0.4yd³)



STATIC DIMENSIONS

		Standard Wheels	Narrow Wheels	Wide Wheels
A Overall length with standard shovel	mm (ft-in)	3959 (13-0)	3959 (13-0)	3959 (13-0)
B Wheel base	mm (ft-in)	1540 (5-1)	1540 (5-1)	1540 (5-1)
C Minimum ground clearance	mm (ft-in)	200 (0-8)	200 (0-8)	200 (0-8)
D Height over ROPS frame	mm (ft-in)	2499 (8-2)	2499 (8-2)	2499 (8-2)
Height over ROPS frame (folded)	mm (ft-in)	1906 (6-3)	1906 (6-3)	1906 (6-3)
E Maximum shovel width	mm (ft-in)	1180 (3-11)	1080 (3-7)	1280 (4-2)
F Wheel track	mm (ft-in)	872 (2-10)	772 (2-6)	877 (2-10)
Front axle weight	kg (lb)	846 (2267)	831 (2226)	870 (2440)
Rear axle weight	kg (lb)	1269 (3400)	1247 (3341)	1285 (3600)
Operating weight (including standard shovel) no operator	kg (lb)	2115 (5667)	2078 (5567)	2155 (4000)
Inside radius	mm (ft-in)	1121 (3-8)	1171 (3-10)	1061 (3-6)
Maximum radius over shovel	mm (ft-in)	2691 (8-8)	2649 (8-6)	2735 (8-9)
Maximum radius over tyres	mm (ft-in)	2257 (7-4)	2207 (7-2)	2318 (7-5)
Articulation angle	degrees	49	53	49
Maximum width across tyres	mm (ft-in)	1136 (3-7)	1036 (3-4)	1257 (4-0)

LOADER DIMENSIONS

		Standard arm	Long arm
Loader type		Double arm	Double arm
Geometry		Parallel	Parallel
Tyre size		10.0/75-15.3	10.0/75-15.3
Shovel mounting		Mechanical quickhitch	Mechanical quickhitch
Shovel type – standard		General purpose	General purpose
Capacity heaped – standard	m ³ (yd ³)	0.3 (0.4)	0.3 (0.4)
Shovel breakout force **	kN	20.5	20.5
Turn radius over shovel	mm (ft-in)	2690 (8-10)	2837 (9-3)
Tipping load straight	kg (lb)	1261 (3378)	1035 (2773)
Full turn tipping load *	kg (lb)	838 (2245)	678 (1817)
A Total length (shovel flat on the ground)	mm (ft-in)	4030 (13-3)	4314 (14-2)
B Length to loader pin	mm (ft-in)	3259 (10-8)	3550 (11-8)

* In accordance with ISO Standard 14397-1 (machine with narrow wheels and 53m steer angle)

** In accordance with ISO Standard 14397-2

LOADER DIMENSIONS (CONTINUED)

		Standard arm	Long arm
C Minimum ground clearance	mm (ft-in)	200 (0-8)	200 (0-8)
D Digging depth	mm (ft-in)	94 (0-4)	150 (0-6)
E Dump height	mm (ft-in)	2167 (7-1)	2417 (7-11)
F Load over height	mm (ft-in)	2634 (8-8)	2878 (9-5)
G Hinge pin height	mm (ft-in)	2900 (9-6)	3151 (10-4)
H Reach at max height at 45° dump	mm (ft-in)	385 (1-3)	381 (1-3)
I Max reach at 45° dump	mm (ft-in)	1132 (3-9)	1346 (4-5)
J Roll back at full height	degrees	54	58
K Dump angle at full height	degrees	45	45
L Roll back at carry	degrees	51	53
M Dump at minimum height	degrees	80	77

ENGINE

Make		Kohler
Model		KDW 1603 CHD (Build Code 3C1542-2)
Capacity	litre (in ³)	1.649 (105)
Bore	mm (ft-in)	88 (3-4)
Stroke	mm (ft-in)	90.4 (3-6)
Aspiration		Natural
Cylinders		3
Engine output @ 2800rpm	kW (hp)	28 (37.55)
Gross torque rating @ 1600rpm	Nm (lbf ft)	106.5 (XX)

TRANSMISSION

Type		Hydrostatic
System pump type		Variable displacement piston
Drive type		Independent wheel motors
Chassis angle oscillation	degrees	7.5 each way
Travel Speed	kph (mph)	15 (9.3)

LOADER HYDRAULICS

Pump type		Gear
Pump maximum flow	l/min (UK gal/min)	42 (9.2)
Pump maximum pressure	bar (lb/in ²)	200 (290.1)
Hydraulic cycle times at engine revs		seconds
Arms raise (full bucket)		3
Bucket dump (full bucket)		0.5
Arms lower (empty bucket)		3
Total cycle		7

SERVICE FILL CAPACITIES

Hydraulic and transmission system	litre (gal)	40 (8.8)
Fuel tank	litre (gal)	45 (9.9)
Engine oil sump	litre (gal)	7.1 (1.6)

ELECTRICAL OUTPUT

System voltage	volts	12
Alternator output	Ah	65
Battery capacity	Ah	60

STANDARD EQUIPMENT

ROPS Frame and FOPS
Standard loader arms
Wheel spacers

Ag tyres 10.0/75 – 15.3
Front chassis counterweight
Lockable down joystick

OPTIONAL EQUIPMENT

Worklights
Shovels
Muck fork and grab
Auxiliary hydraulics
Trailer/truck tread tyres
Canopy
Road lights

Long loader arms
Pallet forks
Hitches
Wide agri tyres 31x15.5x15
Wide fenders
Limited slip differential





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