

BETTER TODAY, *even* BETTER TOMORROW.

INTRODUCING

JCB 3DX

BACKHOE LOADER

BETTER FUEL EFFICIENCY
UP TO
10%*

BETTER SAVINGS &
COST OF
OWNERSHIP

BETTER PERFORMANCE
WITH
13%*
HIGHER TORQUE

BETTER OPERATOR
SAFETY AND
COMFORT

BETTER UPTIME WITH
REMOTE
DIAGNOSTICS



*Against BS-III 3DX, tested under controlled environment. T&C Apply.

eco
XPERT MAX
BACKHOE LOADER

To know more



Scan the QR code

Gross Engine Power: 37 kW (49 hp) | Shovel Capacity: 1.0 cu.m
Bucket Capacity: 0.26 cu.m

SPECIFICATION: JCB 3DX BACKHOE LOADER

ENGINE

JCB 430, CRDi 37 kW Stage 5 Engine, 4 cylinder, water cooled, Turbocharged with EGR and aftertreatment system DOC and DPF.

Displacement : 3.0 L

Gross power : 37 kW (49hp) @ 2050 rpm

Max torque : 270 Nm @ 1320 rpm

TRANSMISSION

The JCB synchroshuttle transmission provides superb drive power in all conditions. It consists of a 4-speed, fully synchromesh, smooth shift gear box with integral torque converter and electrically operated reversing shuttle.

- Easy-to-use, column mounted electric reversing shuttle switch can change machine direction while allowing the operator to keep hands on the steering wheel, leading to fast cycle time.
- The pedals' layout and conventional 4-pattern gear lever with transmission disconnect switch adds to the overall ease of operation. On-the-move gear changes are possible.
- Torque converter stall ratio is 3.01:1.

BRAKES

- Service:** JCB 'Q' brakes, hydraulically actuated, dual line, self adjusting (compensated), oil immersed, multi-disc type on the rear axle, well protected from dirt, water etc. requiring no maintenance. Operated through independent pedals linked together for normal use.
- Two independently operatable foot pedals enable machine to manoeuvre in tight spaces.
- Parking:** Hand operated, disc brakes on rear axle input disc.

STEERING

Power track steering rod system provides equal turn steering & quick response with less operating force.

- Working pressure 160 bar (2 320 psi).
- Oil supply from steering pump passing through suction strainer & return line filter.

ELECTRICALS

130 Ampere-hour 12 V battery system with alternator and full road lighting.

TYRES

Front	22.9 cm (9") x 40.6 cm (16") 16 PR
Rear	42.9 cm (16.9") x 71.1 cm (28") 12 PR (Industrial)

SHIPPING WEIGHT

7 200 kg

TURNING CIRCLE

Inner wheels braked		
A* Outside loader bucket	m	8.64 (28-4)
B Outside wheels	m	6.20 (20-4)
Inner wheels not braked		
A* Outside loader bucket	m	11.6 (38-1)
B Outside wheels	m	8.94 (29-4)

* Standard bucket in travel position

SPEED

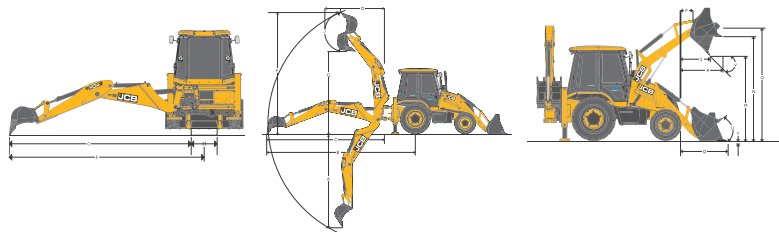
Gear	Forward km/hr	Reverse km/hr
1st	5	5
2nd	8	8
3rd	17	Not recommended
4th	32.3	Not recommended

(Above is with standard tyres & assuming zero torque converter slip @ 2000 rpm)

HYDRAULICS

265.52 Bar (3 850 psi) system ; Pump flow : 114 lpm at 2 000 rpm.

Filtration through suction strainer and return line 'JCB Filtromatic Filter'.



PERFORMANCE DIMENSIONS

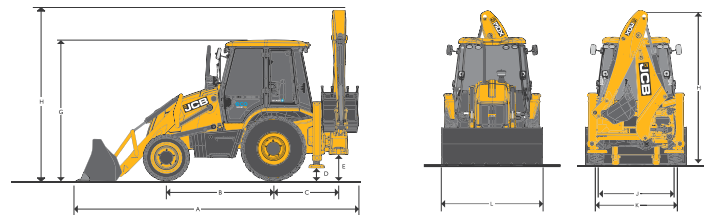
EXCAVATOR PERFORMANCE

A	Max. dig depth	m	4.77 (15-8)
B	Reach-Ground level to rear wheel centre	m	6.72 (22.1)
C	Reach-Ground level to slew centre	m	5.40 (17-9)
D	Reach at full height to slew centre	m	2.90 (9-6)
E	Side reach to centre line of machine	m	6.02 (19-9)
F	Max. working height	m	5.97 (19-7)
G	Max. load over height	m	4.18 (13-9)
H	King post travel	m	1.02 (3-4)
J	Bucket rotation - Power	deg	185
	Bucket tear out force	kgf	5 959
	Dipper tear out force	kgf	3 257
	Lift capacity to bucket pivot at full reach (No bucket fitted) (SAE J31) (Data with standar dipper)	kg	1 490
	Standard bucket capacity	cu.m	0.26 (9.18)
	Standard bucket width	m	0.79 (2-7)

LOADER PERFORMANCE

M	Dump height	m	2.74 (8-12)
N	Load over height	m	3.32 (10-11)
O	Pin height	m	3.54 (11-7)
P	Pin forward reach	m	0.25 (0-10)
Q	Reach at ground	m	1.52 (4-11)
R	Max. reach at full height	m	1.15 (3-9)
S	Reach at full height - Bucket dumped	m	0.88 (2-11)
T	Below ground level dig depth	m	0.07 (0-3)
U	Rollback at ground	deg	45
V	Dump angle	deg	38
	Shovel breakout force	kgf	5 272
	Loader arm breakout force	kgf	5 635
	Payload	kg	1 650
	Standard shovel	cu.m	1.0 (35.3)

STATIC DIMENSIONS



A	Overall length	m	6.0 (19-8)
B	Wheelbase	m	2.17 (7-1)
C	Slew centre to rear axle centre	m	1.32 (4-4)
D	Minimum ground clearance	m	0.31 (1-0.2)
E	Slew ground clearance	m	0.51 (1-8)
G	Height to top of cab	m	2.87 (9-5)
H	Overall height	m	3.61 (11-10)
J	Track width - Rear	m	1.73 (5-8)
K	Track width - Front	m	1.86 (6-1)
L	Width over bucket	m	2.35 (7-9)

SERVICE

	System
Hydraulic system	92 L
Fuel tank	128 L
Engine coolant	16.5 L
Engine oil	15 L
Transmission	17.5 L
Rear axle	20 L

OPTIONS

- Excavator buckets capacities: 0.12 cu.m & 0.18 cu.m
- Intelli Dig
- Heavy-duty rear tyres 14x25
- Cold start kit

All dimensions, weights and timings are variable within 1.5%, JCB reserves the right to change specifications without prior notice.

EXCEEDING EXPECTATIONS EVERYWHERE

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700+
Outlets

5
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6 000+
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3 500+
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