NEW

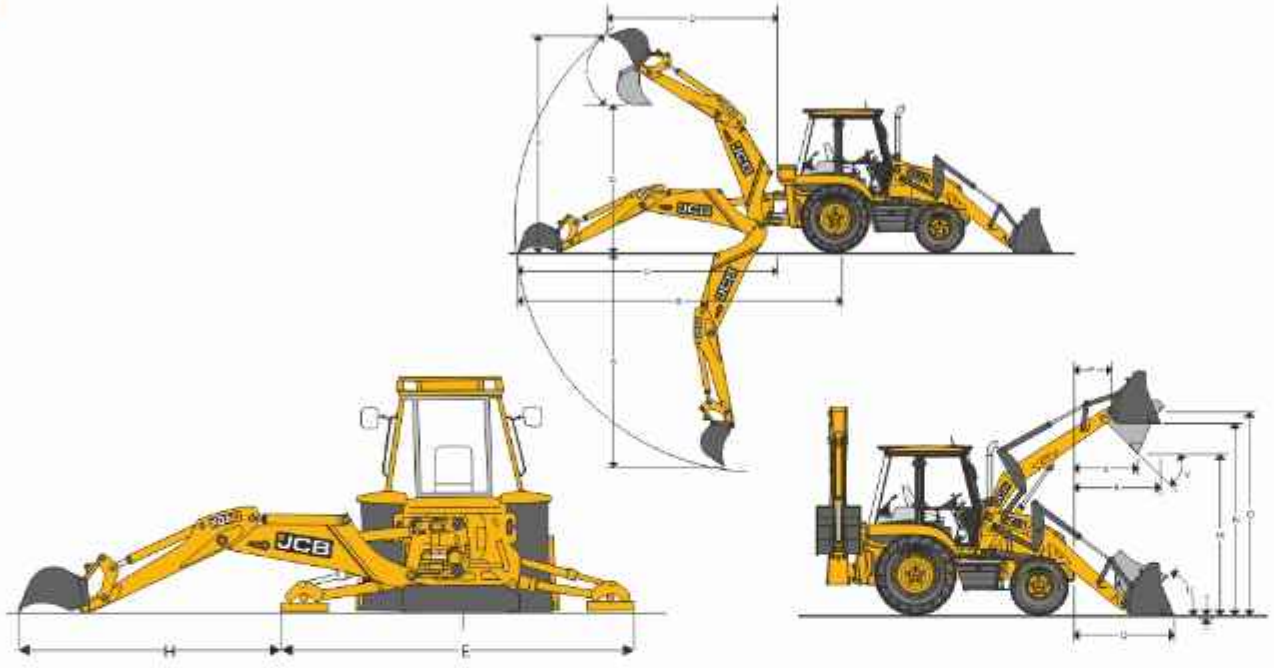
JCB

4X4

4DX | SPECIFICATION

Most Productive Backhoe Loader

PERFORMANCE DIMENSIONS



STATIC DIMENSIONS



		Long/Short Dig Depth
A	Overall length	6.35 m
B	Wheelbase	2.34 m
C	Slew center to rear axle center	1.19 m
D	Min. ground clearance	0.28 m
E	Slew ground clearance	0.33 m
G	Height to top of cab	2.87 m
H	Overall height	3.95 m / 4.21 m
J	Track width - Rear	1.73 m
K	Track width - Front	1.86 - 2 WD 1.91 - 4 WD
L	Width over bucket	2.44 m

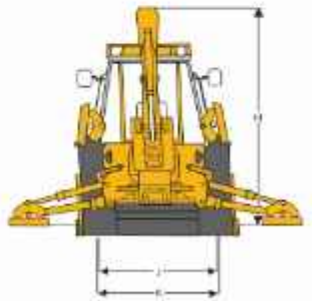
EXCAVATOR PERFORMANCE

		Long Dig Depth	Short Dig Depth
A	Max. dig depth (SAE)	5.36 m	4.95 m
B	Reach - ground level to rear wheel centre	7.57 m	7.11 m
C	Reach - ground level to slew centre	6.38 m	5.92 m
D	Reach at full height to slew centre (SAE)	2.18 m	1.98 m
E	Stablizer Spread*	3.91 m	3.91 m
F	Max. working height	6.25 m	5.69 m
G	Max. load over height (SAE)*	3.96 m	3.66 m
H	Reach over the side from Stablizer	4.44 m	3.96 m
J	Bucket rotation - power	185°	185°
	Bucket tear out force (SAE)	6125 kgf	6125 kgf
	Dipper tear out force (SAE)	3963 kgf	3963 kgf
	Lift capacity to bucket pivot at full reach (no bucket fitted) (SAE J31) (Data with standard dipper)	2323 kgf	2200 kgf
	Standard bucket capacity	0.32 cu.m	0.40 cu.m

LOADER PERFORMANCE

		Long/Short Dig Depth
M	Dump height	2.93 m
N	Load over height	3.37 m
O	Pin height	3.64 m
Q	Reach at ground	1.60 m
R	Max. reach at full height	1.24 m
S	Reach at full height - Bucket dumped	0.93 m
T	Below ground level dig depth	0.13 m
U	Rollback at ground	43°
V	Dump angle	41°
	Shovel break-out force	6100 kgf
	Loader arm break-out force	5000 kgf
	Lift capacity to full height	3050 kgs
	Pay load	1800 kgf
	Standard shovel	G.P Shovel (1.2 cu.m)





4DX | SPECIFICATION

Most Productive Backhoe Loader

ENGINE

JCB 444, Turbo Charged, 4 Cylinder, Water Cooled, Diesel Engine

Displacement : 4.4 litres
Gross Power : 68.6 KW (92 HP) @ 2200 RPM
Max Torque : 408 nm (41.6 kgm) @ 1200 RPM

TRANSMISSION

- The JCB synchroshuttle transmission provides superb drive power in all conditions. It consists of a 4-speed, fully synchromesh smooth shift gearbox with integral torque convertor, and electrically-operated reversing shuttle.
- Easy-to-use, column mounted electric reversing shuttle switch can change machine direction while allowing operator to keep hands on the steering wheel leading to fast cycle times.
- 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 2.52 : 1.
- Electrical selection of 4WD (if provided) allows on the move changes.

AXLES

- **Rear :** Drive axle rigidly mounted, incorporates JCB Max-Trac torque proportioning differential, driven by short propshaft from gear box.
- **Front :** Steer axle, centrally pivoted, with oscillation angle of 16°.

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, requiring no maintenance. Through independent pedals linked together for normal use.
- Two independently operatable foot pedals enable machine to maneuver 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. Manual capability in the event of engine or hydraulic power failure.
Hydraulic supply from independent steering pump. Working pressure 1750 p.s.i. (121 bar)

ELECTRICALS

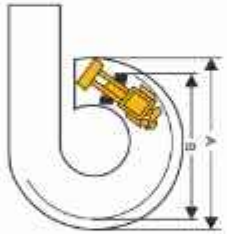
130 Ampere-hour 12 volts battery system with alternator and full road lighting.

TYRES

	2WD	4WD
Front :	9 x16 -16PR	12.5 x 18 -12PR
Rear :	16.9 x 28 -12PR (Industrial)	16.9 x 28 -12PR (Industrial)

TURNING CIRCLE

Inner wheels braked	2WD	4WD
A* Outside loader bucket	10.2 m	10.7 m
A* Outside wheels	7.61 m	8.06 m
Inner wheels not braked	**2WD**	**4WD**
A* Outside loader bucket	11.7 m	12.45 m
B Outside wheels	9.11 m	9.80 m



* Standard bucket in travel position

SPEED

	2WD (Km/hr)		4WD (Km/hr)	
Gear	Forward	Reverse	Forward	Reverse
1st	6.1	6.1	7.26	7.26
2nd	9.8	9.8	11.72	11.72
3rd	21.0	Not Recommended	22.0	Not Recommended
4th	40.0	Not Recommended	40.36	Not Recommended

(Standard tyres, with zero torque converter slip @2200 rpm)

SHIPPING WEIGHT

Long dig depth	Short dig depth
8470 kgs	8400 kgs

SERVICE CAPACITIES

Hydraulic system	:	130 Lt.
Fuel Tank	:	128 Lt.
Engine Coolant	:	16.5 Lt.
Engine Oil	:	15 Lt.
Transmission	:	17.5 Lt.
Rear Axle	:	21 Lt.
Front Axle (4WD)	:	11 Lt.

CABIN

- Tinted cab glasses provide excellent all-round visibility & sun protection.
- Servo operated Excavator controls for hassle free operations.
- **Option** of air conditioning in cabin for rested operator in extreme weather conditions.
- Auto shut off for fuel saving.
- Plenty of legroom minimises fatigue.
- A fully adjustable seat combined with ergonomically positioned controls and soft touch steering wheel.
- Cab provides easy 'walk through' two door access. Other features include seat belt, large convex rear view mirror, interior light, front screen wiper, front and rear horn, hazard warning system, tool box and helper seat.
- Instrumentation panel is positioned on the right hand side and includes engine speed, engine hours, fuel level, water temperature and mobile charger. Easily visible while both end operation.
- Audible and visual fault warning system for alternator charge, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature and hand-brake on.

HYDRAULICS

- Pump type : 2 section displacement gear.
- Pump capacity
  - Pump I : 81.4 lpm
  - Pump II : 72.6 lpm
  - Combined : 154 lpm
- Main relief valve : 3300 p.s.i. (228 bar)
- Unloader valve : 3000 p.s.i. (207 bar)
- Filtration through suction strainer and return line 'JCB Filtromatic Filter'.
- During excavation, the circuit automatically adjusts the pump flow to provide speed for fast cycles or power for hard digging conditions.
- Careful routing of hydraulic hoses and pipework guards against site damage and allows easy servicing.

LIVELINK

Advanced Telematics System that enables you to monitor and manage your machines remotely by providing information on:
Service : Routine maintenance information and alerts.
Operation : Health alerts and usage data.
Security : Machine location & movement data.

OPTIONS

- 4WD
- Heavy duty tyres : 14x25 - 20 PR
- 6-in-1 clam shovel bucket to doze, dig, grade, backfill, grab and load (1.0 cum)
- Excavator Buckets (LDD) - 0.26 / 0.30
- Excavator Buckets (SDD) - 0.26 / 0.30 / 0.32 cu.m
- Ditch Cleaning Bucket - 0.22 cum & 0.32 cu.m
- Taper Ditching Bucket
- Ripper Tooth
- Rock Breaker
- Smooth Ride System (SRS)
- **Hydraulic Tool Circuit (HTC)**
  Provision to hydraulically operate hand held tools viz. Road Breaker, Disc Cutter and Submersible Pump.

Dealer's Stamp:

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

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