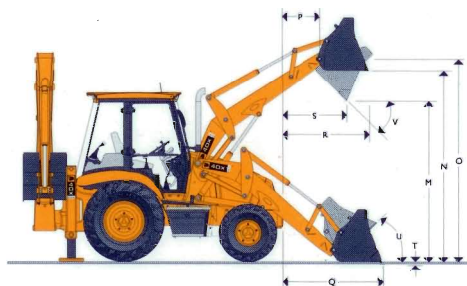
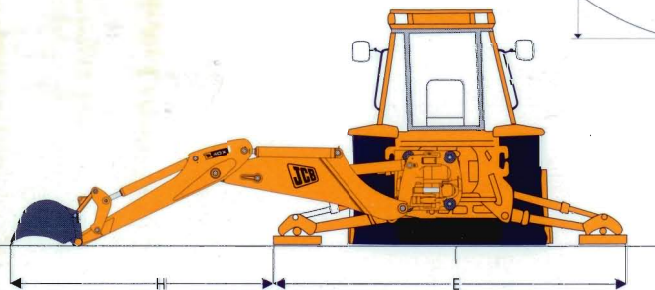
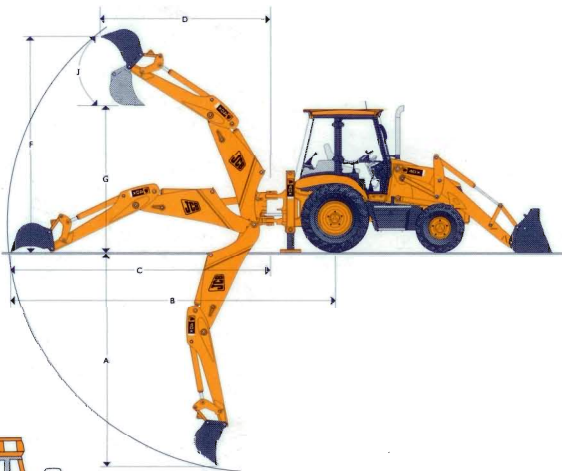


JCB | 4DX BACKHOE LOADER



PERFORMANCE DIMENSIONS



STATIC DIMENSIONS



STATIC DIMENSIONS

Long/Short Dig Depth

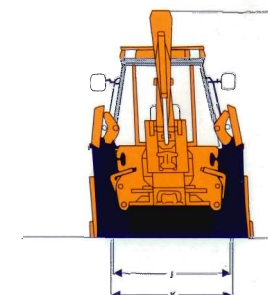
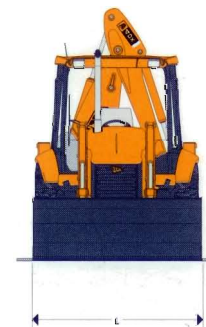
A Overall length	7.49 m
B Wheelbase	2.34 m
D Min. Ground Clearance	0.28 m
E Slew Ground Clearance	0.33 m
G Height to top of cab	2.87 m
H Overall height	4.21 m
J Track width - Rear	1.73 m
K Track width - Front	1.86-2 WVD 1.91-4 WVD
L Width over bucket	2.44 m

EXCAVATOR PERFORMANCE

	Long Dig Depth 0.32cu.m	Short Dig Depth 0.4cu.m
A Max. dig depth(SAE)	5.36 m	4.95m
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 Stabilizer Spread	3.91m	3.91m
F Max. working height	6.25 m	5.69 m
G Max. load over height (SAE)	3.96 m	3.96 m
H Reach over the side from Stabilizer	4.44m	3.96m
J Bucket rotation - power	185°	185°
Bucket tear out force (SAE)	6125kgf	6125kgf
Dipper tear out force (SAE)	4133kgf	3963kgf

LOADER PERFORMANCE

	Long/Short Dig Depth
M Dump height	2.64 m
N Load over height	3.20 m
O Pin height	3.42 m
Q Reach at ground	1.42 m
R Max. reach at full height	1.20 m
S Reach at full height - Bucket dumped	0.83 m
T Below ground level dig depth	0.08 m
U Rollback at ground	45°
V Dump angle	43°
Bucket break-out force	6010kgf
Loader arm break-out force	5300kgf
Lift capacity to full height	3300kgs
Shovel Capacity	1.2 cum



JCB | 4DX BACKHOE LOADER



ENGINE

- KOEL 4R 1040, Turbo-charged, water cooled, diesel engine.
- No. of cylinders : 4
- Displacement : 4.16 litres
- Gross power : 70.6 KW (96HP) at 2200 RPM (as per SAE J1995)
- Gross torque : 375 Nm @ 1500 RPM (as per SAE J1995)

TRANSMISSION

- The JCB synchroshuttle transmission provides superb drive power in all conditions. It consists of a 4-speed, fully synchromesh gearbox with integral torque Converter, 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 3.01:1.

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 : Hydraulically actuated, dual line, self adjusting, 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

Full power, front wheel hydrostatic power steering with manual capability in the event of engine or hydraulic power failure.
Hydraulic supply from pump via priority valve.
Working pressure 1750 p.s.i. (121 bar)

ELECTRICALS

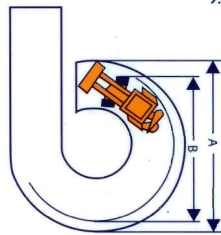
130 Ampere-hour 12 volts battery system with alternator and full road lighting.

TYRES

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

TURNING CIRCLE

Inner wheels braked		
A* Outside loader bucket		9.75 m - 2WD 10.10 m - 4WD
B Outside Wheels		7.61 m - 2WD 8.06 m - 4WD
Inner wheels not braked		
A* Outside loader bucket		11.25 m - 2WD 11.9 m - 4WD
B Outside Wheels		9.11 m - 2WD 9.80 m - 4WD



* Standard bucket in travel position

SPEED

Gear	2WD		Gear	4WD	
	Forward Km/hr	Reverse Km/hr		Forward Km/hr	Reverse Km/hr
1st	5.81	5.81	1st	5.4	5.4
2nd	9.57	9.57	2nd	8.7	8.7
3rd	16.29	Not Recommended	3rd	19.3	Not Recommended
4th	29.50	Not Recommended	4th	36.0	Not Recommended

(Standard tyres, with zero torque converter slip)

(With zero torque converter slip)

SHIPPING WEIGHT

Long dig depth	Short dig depth
G.P. Shovel	G.P. Shovel
8100 kgs	8000 kgs

SERVICE CAPACITIES

Hydraulic system	:	130 Lt.
Fuel Tank	:	128 Lt.
Engine Coolant	:	15 Lt.
Engine Oil	:	15 Lt.
Transmission	:	16 Lt.
Rear Axle	:	23 Lt.

CAB

- Curved cab glasses provide excellent all-round visibility.
- Excellent operator safety. Conforms to ROPS and FOPS standards.
- Plenty of legroom minimises fatigue and allows an operator to work uninterrupted for long hours.
- 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 and water temperature.
- 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

- JCB vari-matic 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.

OPTIONS

- 2WD/ 4WD
- **Heavy duty tyres** : 14x25 - 20 PR
- **6-in-1 clam shovel** bucket to doze, dig grade, backfill, grab and load (1 cum).
- **Excavator Buckets (LDD)** - .24/ .32 cum
- **Excavator Buckets (SDD)** - .24/ .32/ .40 cum
- **Ditch Cleaning Bucket** (0.22 cum & 0.32 cum).
- **Taper Ditching Bucket.**
- **Ripper Tooth**
- **Rock Breaker** :

Strike rate	:	600-1800 blows/min
Blow energy	:	730 joules
Weight	:	405 kg.
Length	:	1.3 m
Working length	:	365 mm
Steel dia	:	70 mm