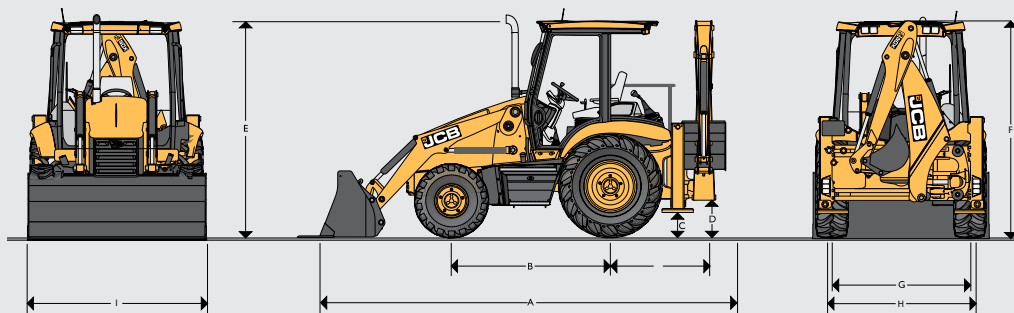


STATIC DIMENSIONS



		2DX Super
A	Overall length	m
B	Wheelbase	m
C	Minimum ground clearance	m
D	Slew ground clearance	m
E	Height to top of cab	m
F	Overall height	m
G	Track width – rear	m
H	Track width – front	m
I	Width over bucket	m

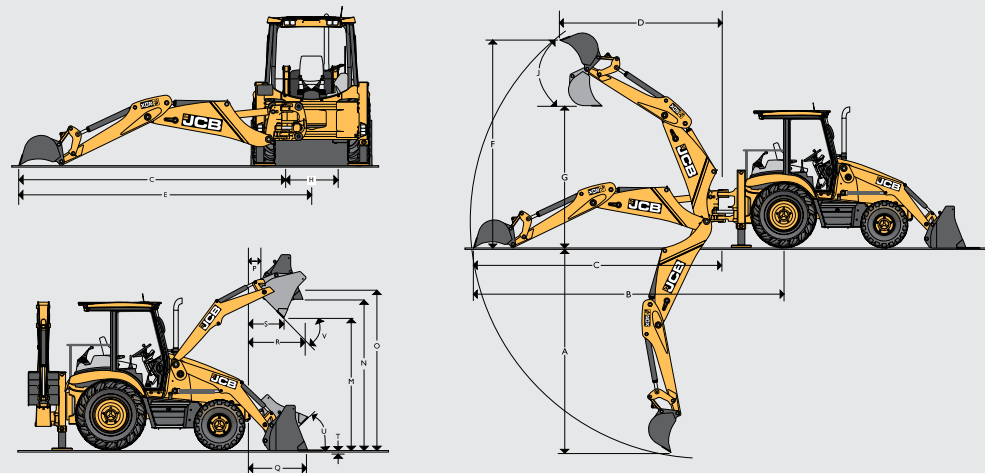
ENGINE

Model	KOEL 4R810, water cooled, BS 1111 diesel
Aspiration	Naturally aspirated
No. of cylinders	4
Displacement	3.2 litres
Gross power @ 2200rpm	49.5hp (as per SAEJ 1995)
Gross torque @ 1400rpm	203Nm (as per SAEJ 1995)

SERVICE CAPACITIES

Hydraulic system	l	60
Fuel tank	l	60
Engine coolant	l	13.5
Engine oil	l	8
Transmission	l	16
Rear axle	l	11

EXCAVATOR/LOADER PERFORMANCE



Excavator performance

A	Maximum dig depth	m	3.02
B	Reach – ground level to rear wheel centre	m	5.18
C	Reach – ground level to slew centre	m	3.93
D	Reach at full height to slew centre	m	1.98
E	Side reach to centre line of machine	m	4.36
F	Maximum working height	m	3.88
G	Maximum load over height	m	2.82
H	King post travel	m	0.86
J	Bucket rotation – power	degrees	182
	Bucket tearout force	kgf	3120
	Dipper tearout force	kgf	1750
	Lift capacity to bucket pivot at full reach (no bucket fitted) (SAE J31)	kg	850

Loader performance

		0.55 cu.m GP Shovel
M	Dump height	m
N	Load over height	m
O	Pin height	m
P	Pin forward reach	m
Q	Reach at ground	m
R	Maximum reach at full height	m
S	Reach at full height – bucket dumped	m
T	Below ground level dig depth	m
U	Rollback at ground	degrees
V	Dump angle	degrees
	Bucket breakout force	kgf
	Loader arm breakout force	kgf
	Payload	kg

TRANSMISSION

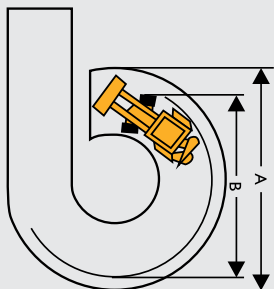
JCB Synchro-shuttle transmission: It provides superb drive power in all conditions. It consists of a 4-speed, full synchromesh gearbox with integral torque convertor and electrically operated reversing power shuttle.

- Easy-to-use, column mounted electric reversing shuttle which can change machine direction while allowing operator to keep hands on the steering wheel leading to fast cycle times.
- The pedal 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 convertor stall ratio is 2.67:1

2DX			
Manufacturer		JCB	
Type		Synchroshuttle	
Gears forward/reverse		4 forward/2 reverse	
Shuttle control – F/R		Power shuttle	
Forward		Gear	Gear
1st	Km/hr	4.55	4.55
2nd	Km/hr	7.76	7.76
3rd	Km/hr	16.4	Not recommended
4th	Km/hr	28	Not recommended

Speeds may vary dependant on tyre selection.

TURNING CIRCLE



Inner wheels braked

A* Outside loader bucket 9.70m

B Outside wheels 7.44m

Inner wheels not braked

A Outside loader bucket 11.0m

B Outside wheels 7.90m

*Standard bucket in travel position.

BACKHOE ATTACHMENTS – GP BUCKETS

Width		Capacity	
inch	mm	Rated m ³	Struck m ³
9	230	-	0.028
12	305	0.040	0.033
14	350	0.048	0.039
16	405	0.057	0.045
18	450	0.065	0.051
24	600	0.091	0.070
30	750	0.117	0.089

STEERING

Front wheel full power hydrostatic system utilising the main hydraulic pump via a steering priority valve. In the event of engine failure, emergency steering is maintained.

BRAKES

Service: 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 operable foot pedals enable machine to manoeuvre in tight spaces.

Parking: Electrically operated by switch, dust proof, self adjusting, oil immersed sealed parking discs inside the gearbox.

HYDRAULIC SYSTEM

- Main relief valve: 180bar
- Pump type: 2 section displacement gear
- Pump capacity: 69lpm@2200rpm
- Filtration through suction strainer and return line JCB Filtermatic filter
- During excavation the circuit automatically varies hydraulic power to match digging conditions for extra performance, control and power
- Careful routing of hydraulic hoses and pipework guards against site damage and allows easy servicing

CANOPY

- Front glass with wiper provided for operator comfort whilst driving.
- Excellent operator safety.
- Floormats and plenty of legroom minimises fatigue and provides extra comfort to the operator.
- Adjustable operator seat combined with ergonomically positioned controls and soft touch steering wheel allows an operator to work uninterrupted for long hours.
- Canopy provides easy 'walk-through' access. Other features include seat belt, large convex rear view mirror, front screen wiper, front and rear horn, hazard warning system, lockable tool box and helper seats (2+1).
- Instrumentation panel is positioned on the right hand side and includes engine speed, engine hours, fuel level, water temperature and 12v aux power socket. Easily visible when operating either end.
- Audible and visual fault warning system for alternator charging, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature and hand brake on.

AXLES

Rear: Drive axle rigidly mounted, incorporates JCB Max-Trac torque proportioning differential, driven by short propshaft from gear box.

Front: 2WD steer axle, centrally pivoted with oscillation angle of 16°.

ELECTRICS

100 ampere-hour 12 volts battery system with alternator and full road lighting.

TYRES

Front: 7.5x16-16PR

Rear: 14.9x24-12PR

WEIGHT

Shipping: 4530kg

BACKHOE ATTACHMENTS – HAMMERMASTER HM266Q

Weight	Tool diameter	Carrier weight	Impact energy	Oil flow min/max.	Operating pressure min/max.	Blow rate min/max.	Sound power level
kg	mm	t	J	lpm	bar	bpm	dbA
224	65	2.8 - 6.0	376	42 - 75	100 - 150	720 - 1400	118

BACKHOE ATTACHMENTS – DITCH MAINTENANCE

Width	Capacity	Carrier weight
inch	mm	m ³
47	1200	0.12

OTHER

Kerb grab installation (manual)

Earth drill

Quick hitch – excavator (manual)

6-in-1 bucket

Compactor