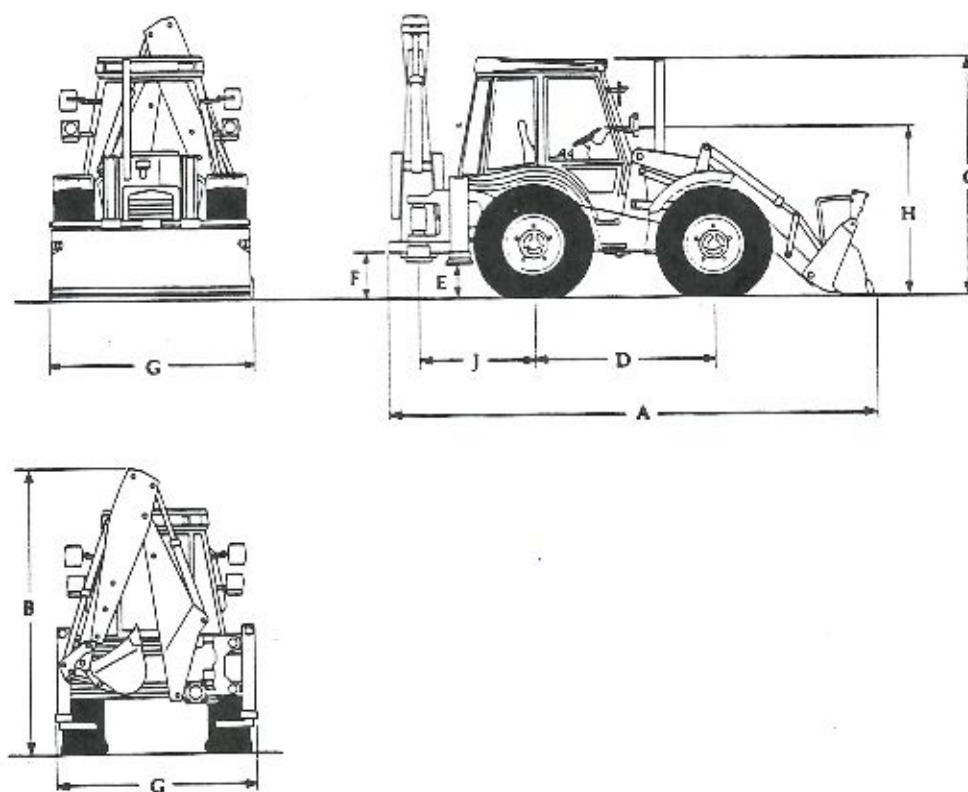


## VÁHY A ROZMĚRY (pokračování)

### 4CX Sitemaster

Položka	Popis	Rozměry
A	Celková délka	6,07 m
B	Celková výška	3,53 m
C	Výška s kabinou	2,78 m
D	Základna kol	2,22 m
E	Minimální výška nad zemí	0,31 m
F	Minimální výška nad zemí pro otáčecí ústrojí	0,45 m
G	Šířka	2,35 m
H	Model bez kabiny - maximální stanovená výška	2,01 m
J	Středová osa zadní nápravy/středová osa hlavního sloupku	1,32 m
	Váha stroje - 4-kolový s rýpačím nádobou o rozměrech 610 mm, s šestilunkčím lžicí s nádobou s namontovanými vidlicemi a s plnou nádrží paliva	8435 kg

**Poznámka:** Rozměry se týkají strojů opatřených standardními pneumatikami (zadní: 16.9/14 x 24 x 12 trakce PR). Informace o hloubkové lopatě a nakládači obdržíte u zástupce JCB.



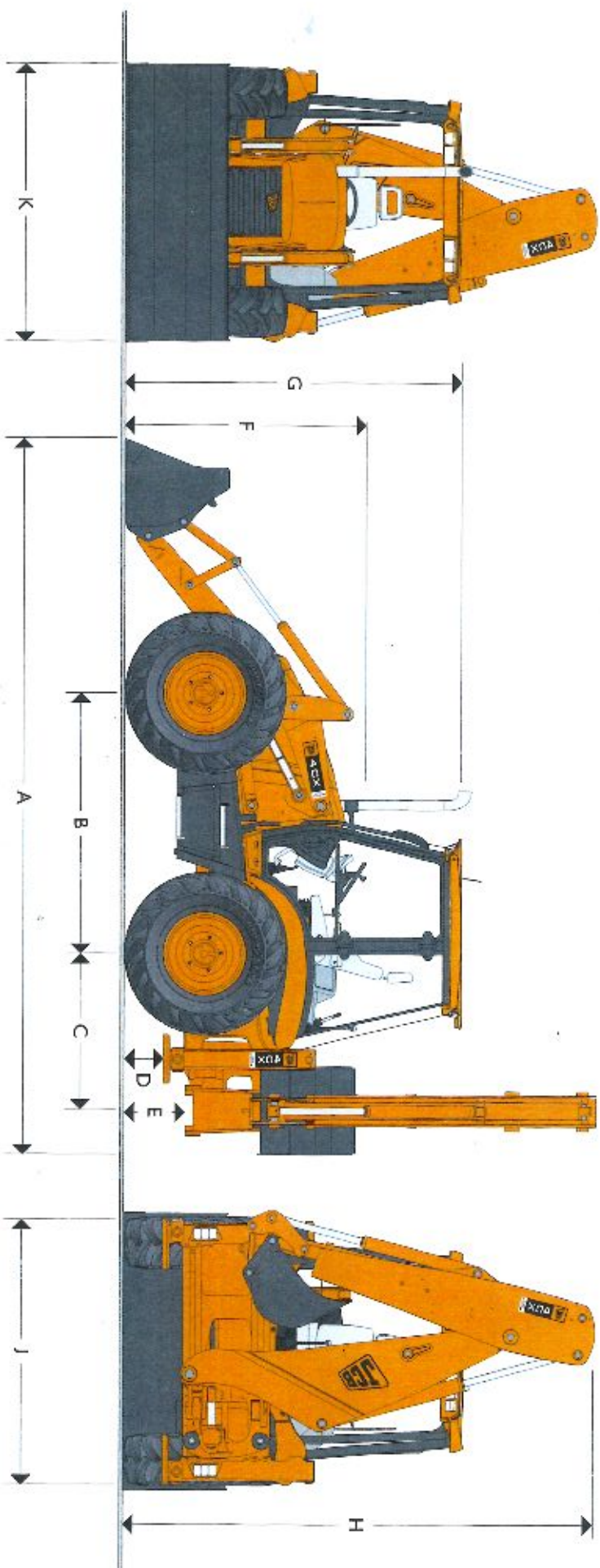
A162850



## JCB BACKHOE LOADER | 4CX SUPER SITEMASTER



MAX. ENGINE POWER	74.6kW (100hp)
MAX. BACKHOE DIG. DEPTH:	6.51 metres (21ft 6in)
MAX. LOADER CAPACITY:	1.3m <sup>3</sup> (170yd <sup>3</sup> )



### STATIC DIMENSIONS

JCB Backhoe Loaders feature heavy duty one piece main frame components and fully enclosed engine compartments. All full size component compartments are lockable using the ignition key.

Machine model	4CX Super Sitemaster	Machine model	4CX Super Sitemaster
A Total travel length	5.91 (19-5)	G Cab roof height	2.08 (6-8)
B Axle centre-line distance	2.22 (7-3)	H Total travel clearance	3.93 (12-1)
C Slew centre to rear axle centre distance	1.36 (4-6)	J Rear frame width	2.36 (7-9)
D Stabiliser feet clearance	0.34 (1-1)	K Shovel width - standard	2.33 (7-8)
E Kingpost clearance	0.50 (1-8)	K Shovel width	2.44 (8-0)
F Steering wheel centre height	1.88 (6-2)		

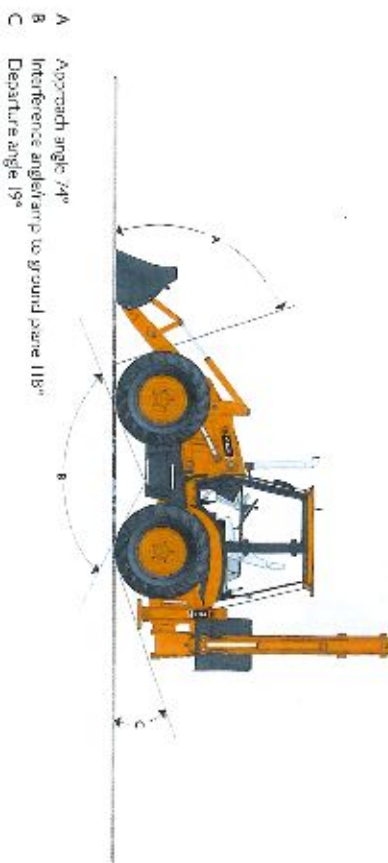




# JCB BACKHOE LOADER | 4CX SUPER SITEMASTER



## GROUND LINE ANGLES



## OPERATING WEIGHTS

Operating weight includes machine equipped with 610mm excavator bucket, 5m-1 shovel with forks and full fuel tank.

Machine model	4CX Super Sitemaster
Weight	kg (lb) 8880 (19550)

## ENGINE

Four cylinder, direct injection diesel. Gear driven water pump, fuel iron engine sump, stop-on oil and fuel filters, water separator, fuel element air cleaner, thermostat, cold start aid.

Machine model	4CX Super Sitemaster
Manufacturer	JCB 100%-40T
Displacement	3.99 ltr
Aspiration	Turbocharged
Rated engine RPM	2200
Power ratings	
Gross ISO/TR 14396 and SAE J1995	kW (HP) 74.5 (100)
Net ISO 9249 (EEC 80/269) and SAE J1349	kW (HP) 69.2 (93)
Maximum torque	
Gross ISO/TR 14396 and SAE J1995	Nm (lbf ft) 403 (297)
Net ISO/TR 9249 (EEC 80/269) and SAE J1349	Nm (lbf ft) 393 (289)
Max torque RPM	1400

## STEERING

Full power hydraulic system utilizing the main hydraulic pump via a steering priority valve. In the event of engine failure emergency steering is maintained. Three steering modes – front wheel steering, four wheel steering and crab steer.

Machine model	4CX Super Sitemaster
Steering axes	Steer drive
Steering turns – lock to lock	2.3°
Kerb – kerb turning circle – unbraked	m (ft-in)
Loader clearance circle – unbraked	9.1 (25-10)
Kerb – kerb turning circle – braked	10.7 (35-1)
Loader clearance circle – braked	8.0 (26-3)
	9.5 (31-2)

## ENGINE SUPPORT SYSTEM

Engine support system is designed for ease of daily checks, routine maintenance and longer service intervals.

Fuel type: Diesel.

Fuel filter: Replaceable spin on cartridge plus water/sealant separator.

Air cleaner: Dual, dry element, cyclonic type.

Oil filter and lubrication: Full flow, spin on type filter.

Cooling system: Hot climate specification, pressurised 7 psi (0.5 bar) suction fan. Pressurised recovery tank with integral filler neck.

## ELECTRICAL AND INSTRUMENTATION

12 volt negative ground, utilising wiring and connectors meeting IP69 water ingress test standard. Central fuse panel supplemented with main circuit breakers at battery positive terminal.

Gauges: Tachometer, engine coolant temp, fuel level, hourmeter, clock.

Warning system: Audible and visual system for engine oil, transmission, park brake, battery, air cleaner, alternator.

Battery: 115 Ah.

Pre-wire: Radio speakers (cab), beacon (all).

Horn: Controlled from both front and rear.

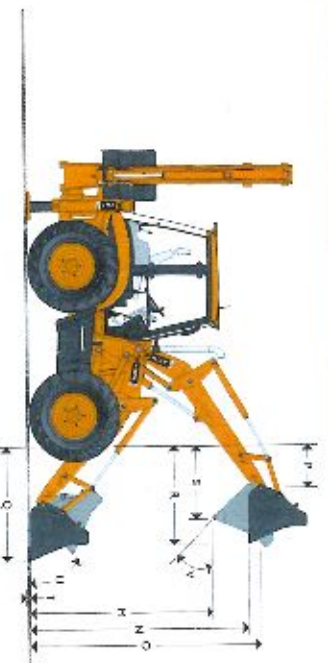
Alternator: 75 amp (85 amp option).

Front working lights: 2 twin beam fixed position.

Rear working lights: 4 adjustable.



## LOADER DIMENSIONS



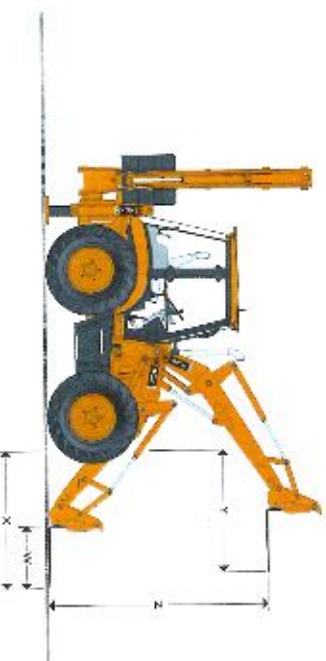
## LOADER DIMENSIONS – 6-in-1 Shovel

	m (ft-in)
M Dump height	2.59 (8'-0")
N Load over height	3.18 (10'-5")
O Pin height	3.46 (11'-4")
P Pin forward reach	0.41 (1'-4")
Q Reach at ground (see plate horizontal)	1.39 (4'-7")
R Max. reach at full height	1.17 (3'-0")
S Reach at full height fully dumped	0.76 (2'-6")
T Dig depth	0.18 (0'-7")
U Rollback at ground	45°
V Dump angle	45°
W Jaw opening width	0.95 (3'-1")

## LOADER ATTACHMENTS – Direct Mount

	6-in-1 Shovel	Capacity SAE
Width mm (ft-in)		
Rated m <sup>3</sup> (yd <sup>3</sup> )		Struck m <sup>3</sup> (yd <sup>3</sup> )
2350 (7'-8")	1.0 (1.32)	0.76 (1.00)
2350 (7'-8")	1.2 (1.57)	1.02 (1.33)
2440 (8'-0")	1.3 (1.70)	1.19 (1.55)

## LOADER ATTACHMENTS



## LOADER ATTACHMENTS – Forklift Performance and Data

	6-in-1 Shovel mounted forks	Quickhitch mounted forks
	m (ft-in)	m (ft-in)
Section width	0.08 (0-3½)	0.08 (0-3½)
W Fork length	1.1 (3'-7")	1.1 (3'-7")
X Reach at ground	2.58 (8'-5")	2.13 (7'-0")
Y Reach at full height	2.30 (7'-6")	1.75 (5'-9")
Z Fork lift height	2.90 (9'-6")	3.28 (10'-9")
Fork spacing – min	0.20 (0'-8")	0.20 (0'-8")
Fork spacing – max	2.17 (7'-3")	1.03 (3'-4")
SWL @ stillborn load centres	1000 (2205)	2000 (4410)

## LOADER PERFORMANCE

JCB loaders provide a reliable lift and leveling on the up and down cycle enhancing load retention and use of cost-effective pallet forks. High capacity buckets combined with high lift and breakout forces maximize productivity.

Machine model	kg <sup>2</sup> (lb <sup>2</sup> )	4CX Super Sitemaster
Loader breakout shovel	kg <sup>2</sup> (lb <sup>2</sup> )	6130 (13500)
Loader breakout arms	kg <sup>2</sup> (lb <sup>2</sup> )	5590 (12310)
Lift capacity to full height	kg (lb)	3425 (7545)
Clamping force	kg (lb)	2545 (5600)



# JCB BACKHOE LOADER | 4CX SUPER SITEMASTER



## BRAKES

- The JCB braking system ensures effective fade-free braking. The self-adjusting multi-disc arrangement is inboard mounted and is oil immersed for minimum maintenance and a long operating life.
- A 3 position switch allows the selection of 2 wheel drive with two wheel braking, 2 wheel drive with four wheel braking or 4 wheel drive with four wheel braking.
- All machines are fitted with servo assisted brakes as standard for low effort braking.
- Twin brake pistons provide lighter turning circle and enhanced steering control on slippery ground.
- Automatic compensation ensures 'straight' meeting braking.
- Disc diameter 270 mm (8.7 in). Friction area 129000 sq.mm (200 sq. in) per brake.
- The independent parking brake is mounted on the input shaft rear axle and will hold the machine on 1:3 gradients. It is an over centre type, adjustable with the cab with transmission disconnect to prevent premature brake pad wear. Park brake disc diameter 280 mm (11 in). Friction area 5416 sq.mm (84 sq. in).

## TYRES

- 16.9 x 28, 12PR Industrial
- 16.9 x 28, 12PR Traction or Industrial
- 16.9 x 28 Radial Traction
- 410/8 x 28 Radial Industrial
- 15.5 x 25 Radial Industrial
- 17.5 x 25, 12PR Industrial

## SMOOTH RIDE SYSTEM (Optional)

The JCB Smooth Ride System (SRS) consists of a dry nitrogen and oil filled accumulator installed in line with the loader lift cylinders. When activated, the Smooth Ride System allows the loader arms to float. This action counteracts vibrations in road or site surfaces and provides the operator with a smooth ride.

Electric switch on front instrument panel. Manually controlled by the operator for maximum benefit and user flexibility.

## JCB POWERSLIDE

Exclusive to JCB, this option enables the excavator's slewing carriage to be hydraulically powered across the rear frame by the operation of a pedal in the cab.

With this feature there is no need to "bait" the carriage across with the bucket avoiding ground damage and the need to retrace the whole machine.

## HYDRAULIC SYSTEM

The standard Open Centre system uses twin gear pumps and Hydraulic Speed Control (HSC) with a power modulation valve that automatically varies hydraulic power to match digging conditions for extra performance and power.

The alternative Closed Centre system uses a single variable flow axial piston pump. This line sensing system meters flow to work demand improving productivity and efficiency.

Both systems incorporate:

- Ergonomically positioned levers allowing excellent control of the loader and backhoe.
- A full flow 10 micron filter ensures that oil stays free of contaminants.

	l/min (gal/min)
Pump flows at 2200rpm	
Open centre system	
Main pump	90 (23)
Secondary pump	57 (12.5)
Closed centre system	
Main pump	63 (36)
System working pressure	bar (lbf/sq in)
Backhoe and loader	227 (3300)

## SERVICE CAPACITIES

Machine model	4CX
Cooling system	lbf (gal)
Fuel tank	23 (5)
Engine oil with filter	160 (34.5)
Power shift transmission with filter	10 (2.2)
Automatic transmission with filter	16 (3.5)
Rear axle	16 (3.5)
Front drive axle	16 (3.5)
Hydraulic system incl tank	132 (29)



## JCB BACKHOE LOADER | 4CX SUPER SITEMASTER



### BACKHOE BUCKETS – Standard Profile Bucket

JCB backhoe buckets are designed specifically for use on IC3 machines with pin positions to maximize tear-out, load retention and straight wall digging characteristics.

Width*	Capacity SAE	Weight (+ teeth)	Teeth
mm (in)	Rated m³ (ft³)	Struck m³ (ft³)	kg (lb)
305 (12)	0.06 (2/3)	0.05 (1/4)	102 (225)
400 (16)	0.09 (3)	0.07 (2/3)	109 (240)
457 (18)	0.12 (4/3)	0.09 (3)	116 (256)
610 (24)	0.17 (6)	0.13 (4/3)	140 (310)
800 (32)	0.24 (8/3)	0.17 (6)	162 (355)
950 (37)	0.30 (10/3)	0.21 (7/4)	198 (435)

\* Including excavators. Width less sidecutters deduct 25mm (1 in). † Capacity in cu yd.

### BACKHOE BUCKETS – Deep Profile Bucket

Width*	Capacity SAE	Weight (+ Teeth)	Teeth
mm (in)	Rated m³ (ft³)	Struck m³ (ft³)	kg (lb)
305 (12)	0.09 (3)	0.07 (2/3)	102 (225)
457 (18)	0.16 (5/3)	0.13 (4/3)	122 (269)
610 (24)	0.23 (8)	0.18 (5/3)	142 (314)
800 (32)	0.30 (10/3)	0.24 (8/3)	163 (359)
950 (37)	0.38 (13/3)	0.30 (10/3)	183 (403)
1100 (43)	0.48 (16/3)	0.34 (12)	203 (448)

\* Including sidecutters. Width less sidecutters deduct 25mm (1 in). † Capacity in cu yd.

### BACKHOE DIMENSIONS

	m (ft/in)
A SAE max dig depth	Ext 6.14 (20.2)
	Ret 1.98 (6.5)
SAE lift flt bottom	Ext 6.11 (20.1)
	Ret 4.93 (16.2)
Maximum dig depth with deep profile bucket	Ext 6.51 (21.4)
	Ret 5.35 (17.7)
B Reach – ground level to rear wheel centre	Ext 8.14 (26.8)
	Ret 7.35 (24.1)
C Reach – ground level to slew centre	Ext 7.0 (23.0)
	Ret 6.01 (19.9)
D Reach – at full height to row centre	Ext 4.47 (14.8)
	Ret 3.43 (11.3)
E Side reach – to centre line of machine	Ext 7.71 (25.4)
	Ret 6.69 (21.9)
F SAE operating height	Ext 6.52 (21.5)
	Ret 5.89 (19.4)
G Maximum loadover height	Ext 5.03 (16.6)
	Ret 4.06 (13.4)
SAE loadover height	Ext 4.55 (14.9)
	Ret 3.56 (11.9)
H Total kingpost travel	Ext 1.16 (3.8)
J Bucket rotation	Speed 201°

### BACKHOE PERFORMANCE

	kgf (lb)
Bucket tearout	Speed 4710 (10370)
	Power 5440 (11980)
Dipper tearout	Ext 2375 (5230)
	Ret 3500 (7760)
Ull capacity of bucket pivot at full reach	Ext 1040 (2290)
	Ret 1270 (2795)





# JCB BACKHOE LOADER | 4CX SUPER SITEMASTER

