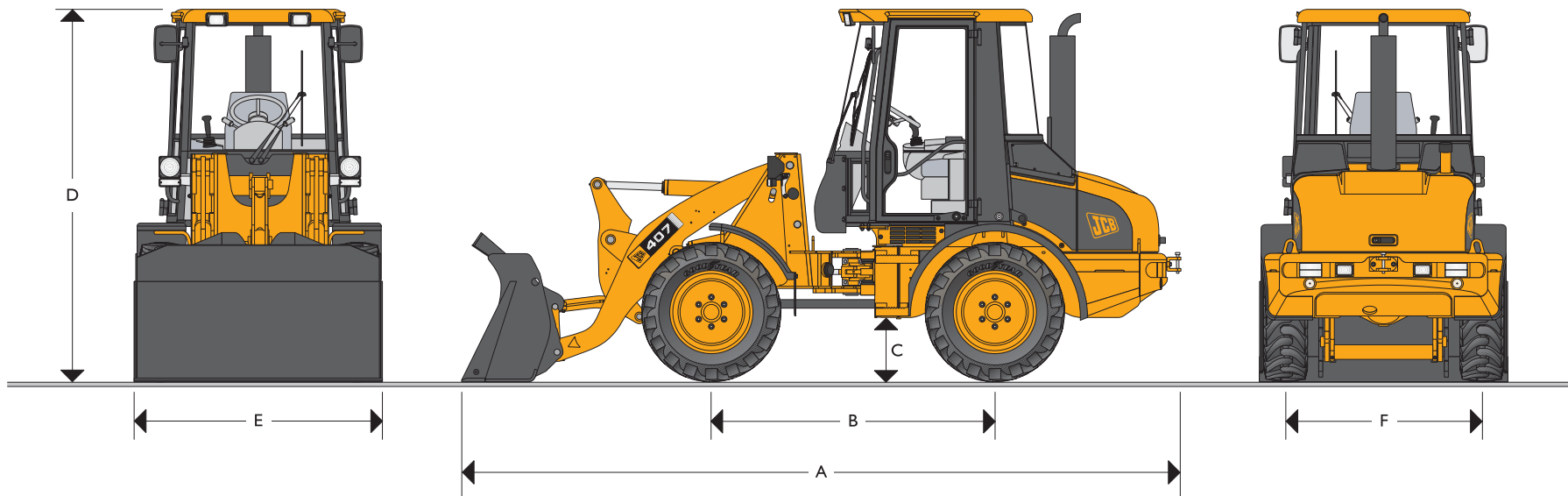




JCB WHEEL LOADER | 407 ZX



MAX. ENGINE POWER: 75hp (56kW)
 MAX. OPERATING WEIGHT: 10381 lb (4710kg)
 MAX. LOADER CAPACITY: 1.0 yd³ (0.8m³)



JCB WHEEL LOADER | 407 ZX

STATIC DIMENSIONS

A	Overall length with standard bucket	ft-in (m)	16-5 (5.00)	Front axle weight*	lb (kg)	4276 (1940)
B	Wheel base	ft-in (m)	6-7 (2.00)	Rear axle weight*	lb (kg)	6105 (2770)
C	Min. ground clearance	ft-in (m)	1-3 (0.37)	Operating weight (includes 80kg operator)	lb (kg)	10381 (4710)
D	Height over cab	ft-in (m)	8-7 (2.60)	Inside radius	ft-in (m)	6-3 (1.90)
E	Max. bucket width	ft-in (m)	5-9 (1.75)	Maximum clearance radius	ft-in (m)	12-11 (3.92)
F	Wheel track	ft-in (m)	4-7 (1.38)	Maximum radius over tires	ft-in (m)	11-10 (3.59)
				Articulation angle	degrees	±40°

*Axle weights based on unloaded bucket in carry position.



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ENGINE

Type	4 cylinder diesel	
Make	JCB	
Model	1104C-44	
Capacity	in ³ (ltr)	268.5 (4.4)
Bore	in (mm)	4.13 (105)
Stroke	in (mm)	5 (127)
Aspiration	Naturally aspirated	
Cylinders	4	
Power rating		
Gross power to SAE J1995/ISO 14396	HP (kW) @ 2000rpm	75 (56)
Net power to SAE J1349/EEC 80/1269	HP (kW) @ 2000rpm	67 (50.2)
Torque rating		
Gross torque	lbf ft (Nm) @ 1400rpm	223 (302)
Net torque	lbf ft (Nm) @ 1400rpm	207 (280)

TRANSMISSION

Type	Hydrostatic	
Make	Rexroth	
Model	A4VG/A6VM	
Low range	mph (kph)	3.73 (6)
High range	mph (kph)	12.43 (20)
High speed (option)	mph (kph)	18.64 (30)

AXLES

Type	Portal design	
Make	JCB	
Model	PD55	
Overall axle ratio / Drop box ratio	16.2 / 2.19	
Chassis angle oscillation	degrees	±9°

LOADER HYDRAULICS

Pump type	Gear	
Pump max. flow	US gal/min (l/min)	66 (14.52)
Pump max. pressure	lb/in ² (bar)	220 (3191)
Hydraulic cycle times at full engine revs:		
Arms raise (full bucket)	seconds	
Bucket dump (full bucket)	4.95	
Arms lower (empty bucket)	0.95	
Total cycle	3.20	
	9.10	

SERVICE FILL CAPACITIES

	US gal (liters)
Hydraulic and transmission system	22.5 (85)
Fuel tank	26.5 (100)
Engine oil sump	2.5 (9.4)
Axle oil (front)	2.5 (9.5)
Axle oil (rear)	2.8 (10.5)
Engine coolant system	4.0 (15.5)

ELECTRICAL SYSTEM

System voltage	Volt	12
Alternator output	Amp hour	75
Battery capacity	Amp hour	106

STANDARD EQUIPMENT

Loader: Manual hydraulic control; Parallel lift geometry; Z-bar geometry; Quickhitch (hydraulic pin locking).

Engine: 4 cylinder water cooled diesel engine; single stage cyclonic engine air filter; Aluminized steel exhaust stack/silencer; Single bowl fuel filter; Fan guards.

Transmission: Two position electric switch; Neutral start; Disconnect on footbrake (inching capability); Directional control on column or servo control lever.

Axles: Torque proportioning differentials; JCB Portal design for added ground clearance.

Brakes: Parking brake on transmission output shaft; Additional braking from hydrostatic system.

Electrical: Road lights front and rear; Reverse alarm and lights; 75 Amp alternator.

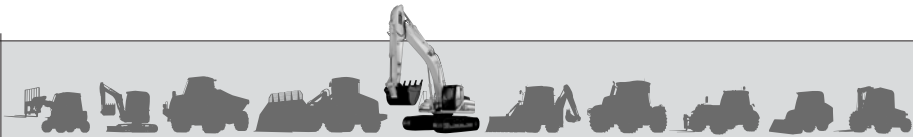
Hydraulics: Gear pump with priority steer; Emergency steer back up; 3 spool loader circuit.

Cab: ROPS/FOPS safety structure; Fully adjustable seat; Interior light; Adjustable steering column; Safety glass; Electronic monitoring with warning panel; Front and rear screen wash/wipe; 3 speed heater fan with replaceable filters; Optional analogue gauges; LH and RH opening doors; Over centre handbrake with catch; Radio aperture; Single lever joystick servo control; Laminated screen; Loader control isolator; Front and rear work lights; Door ajar and lock back system.

Bodywork: Front and rear fenders; Side and rear access panels; Fixed bottom steps; Full width rear counterweight; Recovery hitch; Lifting lugs

OPTIONAL EQUIPMENT

Single lever joystick servo control; Limited slip differential axles front/rear; Air conditioning; Turbo 2 pre cleaner; 3 HBCV; Sealed alternator; Reversible fan; Epoxy coated cooling pack; Smooth ride system; Air suspension seat; Creep speed; 4th spool auxiliary circuit; Instrument pack; Front and rear working lights; Storage box; Shovel level indicator; Chaff guard; Forward/reverse on servo control lever; Manual controls; Fire extinguisher; Face level fan; Radio installation; Reverse alarm; Rotating beacon; Adjustable steering column; Reversing lights and rear fog lights; Sun visor; Engine sump kit; Biodegradable oil.

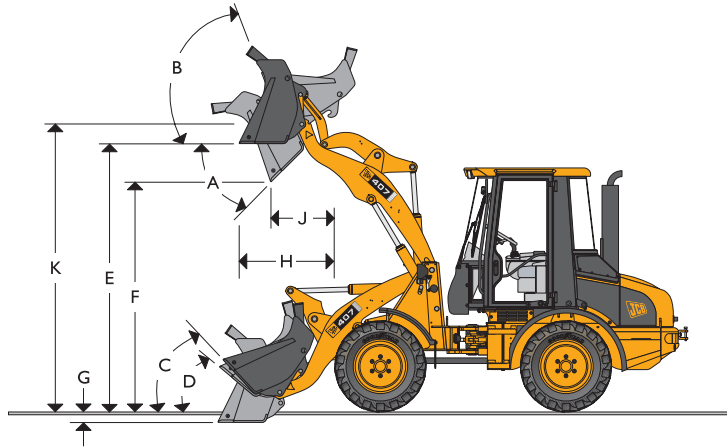


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LOADER DIMENSIONS

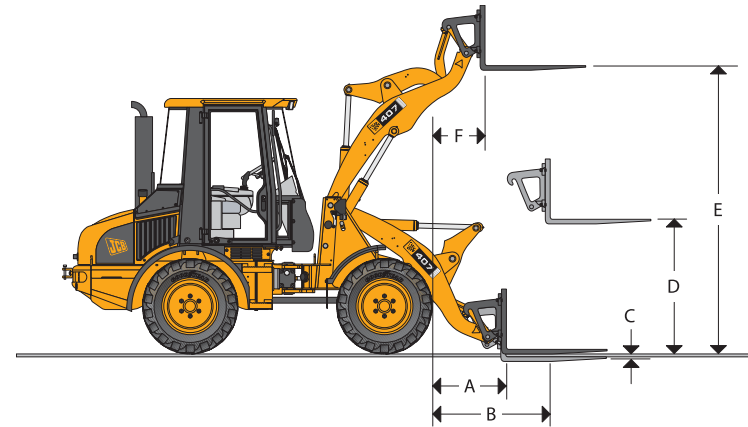


LOADER DIMENSIONS

Loader dimensions: assumes fitment of 12.5x18 tires.

Bucket mounting		Quickhitch (Zet)
Bucket type		General purpose
Bucket capacity (heaped)	yd ³ (m ³)	0.9 (0.7)
Bucket capacity (struck)	yd ³ (m ³)	0.7 (0.56)
Bucket equipment		Teeth or toeplate
Bucket width	ft-in (mm)	5-9 (1750)
Bucket weight without wear parts	lb (kg)	613 (278)
Max. material density	lb/yd ³ (kg/m ³)	2000
Tipping load straight	lb (kg)	6810 (3090)
Tipping load full turn	lb (kg)	5620 (2550)
Payload 50%	lb (kg)	2810 (1275)
Max. tearout force	lb (kN)	10364 (46.1)
A Max. dump angle	degrees	45°
B Roll back angle at full height	degrees	69°
C Roll back at carry	degrees	52°
D Roll back at ground level	degrees	47°
E Load over height	ft-in (mm)	9-7 (2901)
F Dump height (45° dump)	ft-in (mm)	8-2 (2474)
G Dig depth	ft-in (mm)	0-5 (109)
H Max. reach (45° dump)	ft-in (mm)	2-3 (662)
J Reach at dump height	ft-in (mm)	2-3 (662)
K Max. pin height	ft-in (mm)	10-3 (3099)

PALLET FORK DIMENSIONS



PALLET FORK DIMENSIONS

Loader dimensions: assumes fitment of 12.5x18 tires.

		ft-in (mm)
Fork carriage width		4-5 (1343)
Length of tines		4-0 (1200)
A Reach at ground level		2-5 (730)
B Max. reach arms horizontal		4-1 (1243)
C Below ground level		0-4 (77)
D Height arms horizontal		4-7 (1377)
E Max. height		9-10 (2978)
F Reach at max. height		1-8 (502)
Full turn tipping load (20 in. load centers)	kg (lb)	4011 (1820)
Operating load (60%)	kg (lb)	1092 (2407)
Operating load (80%)	kg (lb)	3209 (1456)



A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into the World's 5th largest manufacturer of backhoe loaders, crawler excavators, wheeled excavators, telescopic handlers, wheeled loaders, dump trucks, rough terrain fork lifts, industrial fork lifts, mini/midi excavators, skid steer loaders and tractors.

By making constant and massive investments in the latest production technology, the JCB factories have become some of the most advanced in Europe.

By leading the field in innovative research and design, extensive testing and stringent quality control, JCB machines have become renowned all over the world for performance, value and reliability.

And with a global sales and service network of over 400 distributors and agents, the company exports over 70% of its production to all five continents.

Through setting the standards by which others are judged, JCB has become one of Britain's most impressive success stories.

