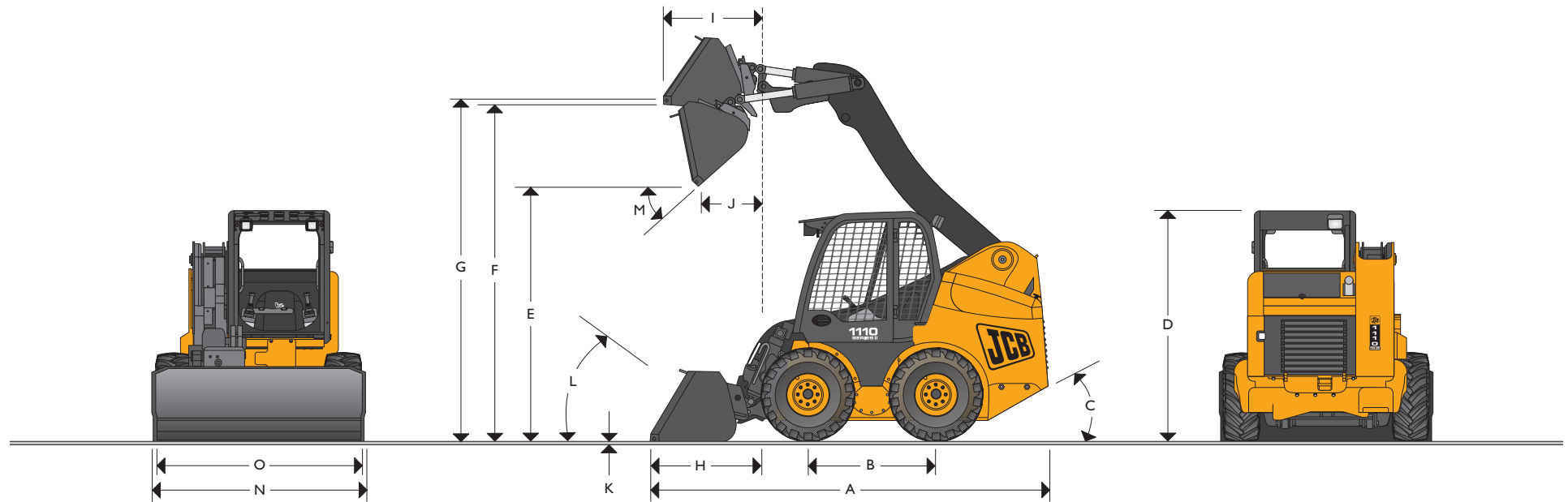




OPERATING WEIGHT: 3710kg and 3820kg OPERATING CAPACITY: 950kg and 1150kg



STATIC DIMENSIONS

	190	1110		190	1110
	m (ft-in)	m (ft-in)		m (ft-in)	m (ft-in)
A Overall length	3.5 (11-6)	3.5 (11-6)	N Shovel width – standard	1.88 (6-2)	1.88 (6-2)
B Wheel base	1.13 (3-8)	1.13 (3-8)	Shovel width – optional	2.03 (6-8)	2.03 (6-8)
C Angle of departure	28°	28°	O Width over tyres – standard	1.69 (5-7)	1.69 (5-7)
D Overall height	2.01 (6-7)	2.01 (6-7)	Width over tyres – optional	1.79 (5.11)	1.79 (5.11)
E Dump height	2.42 (7-11)	2.42 (7-11)	Lift capacity at full height	SAE kg 950	1150
F Loadover height	2.95 (9-8)	2.95 (9-8)	Maximum tipping load	SAE kg 1900	2300
G Height to hinge pin, fully raised	3.12 (10-2)	3.12 (10-2)	Shovel capacity – standard	cu.m 0.50	0.60
H Reach at ground level (toe plate horizontal)	1.00 (3-3)	1.00 (3-3)	Turning radius		
I Max reach at full height	0.94 (3-1)	0.94 (3-1)	Bucket corner radius	2.20 (7-3)	2.20 (7-3)
J Reach at full height – fully dumped	0.64 (2-1)	0.64 (2-1)	Quick hitch radius	1.30 (4-3)	1.30 (4-3)
K Dig depth (toe plate horizontal) clearance	-9mm (-3/8)	-9mm (-3/8)	Rear chassis radius	1.66 (5-6)	1.66 (5-6)
L Rollback at ground	30°	30°			
M Dump angle	40°	40°			



MACHINE RATING

Rated operating capacity (SAE):		kg
I90		950
II10		1150
Tipping load:		
I90		1900
II10		2300
Breakout force		
Lift cylinder	kgf	2200
Tilt cylinder	kgf	2731

ENGINE

		I90	II10
Model		JCB TC-63	JCB Dieselmex TC-68
Displacement	litres	4.4	4.4
Fuel		Diesel	Diesel
Cooling		Water	Water
Bore	mm	103	103
Stroke	mm	132	132
Gross power @ 2200 rpm			
ISO 14396	kW (hp)	63 (84)	68 (92)
Gross torque @ 1200 rpm			
ISO 14396	Nm (lb/ft)	362 (267)	408 (300.9)
Emission certification		EC Stage IIIA/USA EPA Tier 3	EC Stage IIIA/USA EPA Tier 3
Engine oil service intervals		500 hours	500 hours

TRANSMISSION

The full servo controlled hydrostatic transmission giving zero to maximum speed, both forward and reverse at full power. Independent transmission systems for both the left and right side, controlled through servo controls for precise and easy operation. Transmission power management system maintains full engine power availability maximising loader and attachment control. Creep Control option, standard on high flow for precise attachment control.

Travel speeds both forward and reverse: 11 kph (6.9mph)
Optional 2 speed 18kph (11.2mph)

CAPACITIES

I90 and II10	litres (US gal)
Hydraulic system (inc. Tank)	38 (10)
Fuel tank	107 (28.2)
Engine coolant	15 (3.9)
Engine oil	8.5 (2.25)
Chain cases	
LH	15 (3.9)
RH	8.5 (2.25)

CONTROLS

Three machine control format options. JCB full servo controls, which reduce lever efforts to a minimum, alternatively, either full servo hand or servo hand and manual foot controls provide patterns well known and accepted by the skid steer buyer and operator. With all options the left hand control lever pivots rearwards, providing unparalleled machine access/egress.

WEIGHT

SAE operating weight.

Fully operational with quickhitch, standard shovel, full fuel tank, fully glazed cab + 75kg operator

I90 3710 kg

II10 3820 kg

TYRES

I90 & II10 Standard – 12 x 16.5 – 10 pr

Available Options	Standard Track
	Heavy Duty
	Lifemaster
	33/15.5 x 16.5 Extra Floatation
	XZM
	XZSL
	JCB Airboss
	Solid Industrial

Floatation tyres are fitted for most applications.

* For arduous conditions and hostile environments JCB Airboss tyres or Solid tyres are recommended.

* For hard standing heavy duty tyres are recommended



HYDRAULICS

In addition to the main hydrostatic drive pumps there is a dedicated loader and attachments supply pump (auxiliary hydraulics circuit is optional on all base models and standard on high flow model).

Pump flow: 80 litres / minute (21 gal/min) @ 2200 rpm engine speed
Main relief pressure 225 bar (3263 psi)

- Low lever efforts give excellent and easy control of transmission loader and attachments.
- Auxiliary hydraulics are actuated via the right hand controller giving progressive control of oil flow for precise attachment control.
- Hydraulic supply pipes run neatly on top of the loader arm under a protective guard for long life.
- Full flow, spin-on type hydraulic oil filter.
- Engine oil throughout for ease of servicing.
- The optional hi-flow circuit provides 133 litres/min (35 gal/min) pump flow to the front of the machine for operation of high capacity attachments such as trenchers and patch planers.

OPERATOR ENVIRONMENT

Full ROPS and Level I FOPS with optional level 2 guard for demolition, full audio and visual warning systems Soundproofing gives noise levels complying with EC regulations. Safe access through side door – thanks to JCB's unique single arm design.

- Unequalled all-round visibility.
- Fully adjustable seat.
- Retractable seat belt fitted as standard.
- Drainage cover for easy cleaning of cab.

STANDARD EQUIPMENT

ROPS and FOPS integrated canopy. Full audible and visual warning systems. Isolation bar activated safety system. Loader arm safety strut. Centrifugal dry type engine air filter with safety element. Standard shovel. Mechanical quickhitch. Hand throttle. Worklights (EC only) Servo emergency lower valve. Fuel gauge. Oil immersed fail safe hydraulic park brake.

OPTIONAL EQUIPMENT

Fully glazed cab with heater / demister. Air conditioning. Road lights. Work lights (not EC). Reverse alarm. Beacon. Foot throttle (not with foot control format). Fire extinguishers. Toolkit. Self levelling lift. Float. Level 2 FOPS guard. Heavy duty rear door guard. Front screen guard. Auxiliary hydraulics. Bolt on lift points. Battery isolator. Accessory socket. Backhoe mounting brackets. Catalytic converter. Spark arrestor. Tooth guard.

A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into Britain's largest privately owned 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, tractors and compaction equipment.

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

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 more than 650 dealers and agents, we aim to deliver the best customer support in the industry.

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

