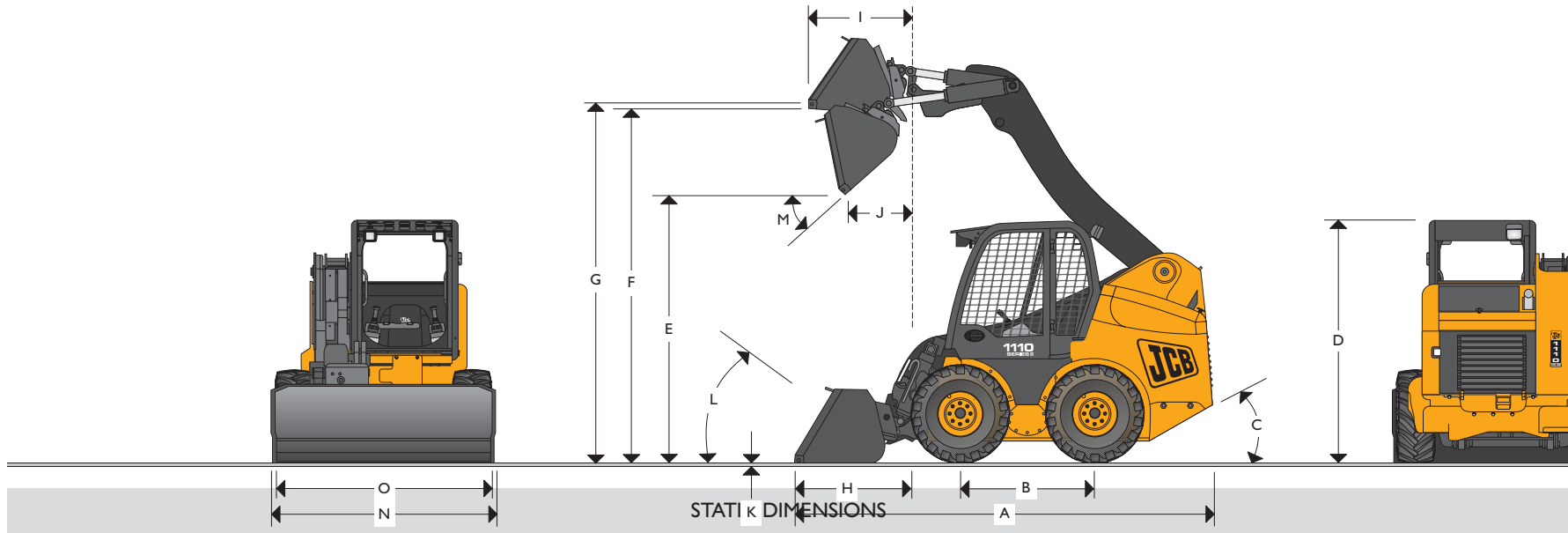




# JCB SKID STEER LOADER | 190/1110 SERIES II



OPERATING WEIGHT:	190: 8018lb (3710kg)
	1110: 8420lb (3820kg)
OPERATING CAPACITY:	190: 2094lb (950kg)
	1110: 2535lb (1150kg)
MAX POWER:	190: 84hp (63kw) Tier III
	1110: 92hp (69kw) Tier III



Machine Model	190	1110
	ft-in (m)	ft-in (m)
A Overall length	11-6 (3.5)	11-6 (3.5)
B Wheel base	3-8 (1.1)	3-8 (1.1)
C Angle of departure	28°	28°
D Overall height	6-7 (2)	6-7 (2)
E Dump height	7-11 (2.4)	7-11 (2.4)
F Loadover height	9-8 (2.95)	9-8 (2.95)
G Height to hinge pin, fully raised	10-3 (3.12)	10-3 (3.12)
H Reach at ground level (toe plate horizontal)	3-3 (1)	3-3 (1)
I Max reach at full height	3-1 (0.94)	3-1 (0.94)
J Reach at full height – fully dumped	2-1 (0.64)	2-1 (0.64)
K Dig depth (toe plate horizontal) clearance	<sup>-3</sup> / <sub>8</sub> (-9mm)	<sup>-3</sup> / <sub>8</sub> (-9mm)
L Rollback at ground	30°	30°
M Dump angle	40°	40°

Machine Model	190	1110
	ft-in (m)	ft-in (m)
N Bucket width – standard	6-2 (1.9)	6-2 (1.9)
Bucket width – optional	6-8 (2)	6-8 (2)
O Width over tracks – standard	5-7 (1.7)	5-7 (1.7)
Width over tracks – optional	5-10 (1.8)	5-10 (1.8)
Bucket breakout	lbf (kN)	4851 (21.6)
Lift capacity at full height	lb (SAE kg)	2094 (950)
Maximum tipping load	lb (SAE kg)	4189 (1900)
Shovel capacity – standard	yd <sup>3</sup> (m <sup>3</sup> )	0.65 (0.50)
<b>Turning radius</b>		
Bucket corner radius	7-3 (2.2)	7-3 (2.2)
Quick hitch radius	4-3 (1.3)	4-3 (1.3)
Rear chassis radius	5-5 (1.7)	5-5 (1.7)

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## MACHINE RATING

Rated operating capacity (SAE):	lb (kg)	
190	2094 (950)	
1110	2535 (1150)	
<b>Tipping load:</b>		
190	4189 (1900)	
1110	5070 (2300)	
<b>Breakout force</b>		
Lift cylinder	lbf (kgf)	4850 (2200)
Tilt cylinder	lbf (kgf)	6020 (2731)

## ENGINE

	190	1110
Model	Dieselmax TC-63	Dieselmax TC-68
Displacement	in <sup>3</sup> (cm <sup>3</sup> )	268 (4399)
Fuel	Diesel	Diesel
Cooling	Liquid	Liquid
Aspiration	Turbo	Turbo
<b>Gross power @ 2200 rpm</b>		
SAE J1995	hp (kW)	84 (63)
<b>Gross torque @ 1200 rpm</b>		
SAE J1995	lbf-ft (Nm)	267 (362)
Emission Certification	EPA T3, EU S13	EPA T3, EU S13
Engine Oil Service Interval	hours	500

## 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 maximizing loader and attachment control.

Creep Control option, standard on high flow for precise attachment control.

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

## CAPACITIES

190 and 1110	US gal (liters)
Hydraulic system (inc. Tank)	10 (38)
Fuel tank	28.3 (107)
Engine coolant	3.96 (15)
Engine oil	2.18 (8.5)
Chain cases	
LH	3.96 (15)
RH	2.18 (8.5)

## 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 + 165 lb operator

**190** 8179 lb (3710 kg)

**1110** 8420 lb (3820 kg)

## TIRES

**190 & 1110 Standard – 12 x 16.5 – 10 pr**

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

Floatation tires are fitted for most applications.

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

\* For hard standing heavy duty tires are recommended



## JCB SKID STEER LOADER | 190/1110 SERIES II



### 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:** 21 gpm (80 lpm) @ 2200 rpm engine speed  
Main relief pressure 3263 psi (225 bar)

- 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.
- 10w-30 Engine oil throughout for ease of servicing.
- The optional hi-flow circuit provides 35.7 gpm (133 lpm) 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.

- Unequaled 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 / defroster. 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.

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## A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into one of the world's largest manufacturers 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 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 an extensive dealer sales and service network in over 150 countries, 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.



2007

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Helping You Get  
the Job Done!