



SKID STEER AND COMPACT TRACK LOADER

215, 250, 290, 300, 215T, 250T, 290T, 300T, 400T

Operating weight: 7,253-12,544 lb (3,290-5,960 kg) Gross rated power: 74-109 hp (55-81 kW)



COMFORTABLY BETTER

Their unique Powerboom™ design and side entry door make JCB's skid steer and compact track loaders both stronger and safer than conventional twin arm machines, without compromise on power or performance. With a range of both wheeled and tracked models to choose from featuring vertical and radial lift options, there's sure to be a model to suit your needs.

COMFORTABLY BETTER CONTROL

With side-door entry, the largest cabs on the market, electric and adjustable joystick controls, our skid steers and compact track loaders enable maximum productivity.



COMFORTABLY BETTER VISIBILITY

The low boom profile on Hi-Viz models allows excellent visibility to both sides of the machine and the quick hitch, plus enhanced visibility to the tracks or wheels.

COMFORTABLY BETTER SAFETY

With a wide-opening side door for safe entry and exit, JCB machine operators no longer need to climb over large attachments or under an unsupported boom.



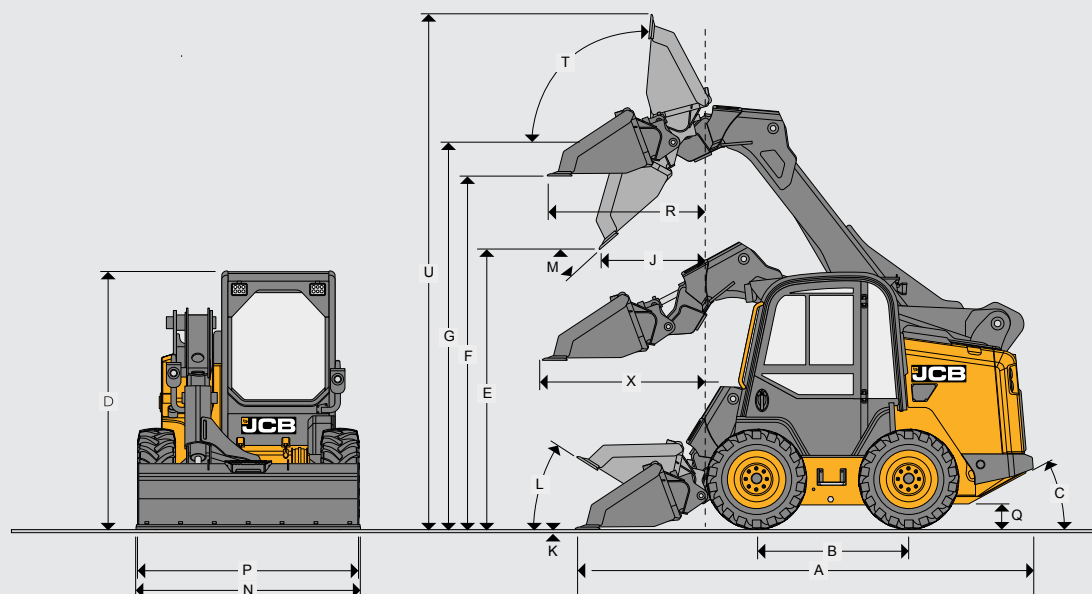
COMFORTABLY BETTER POWER

With plenty of power and versatile features, JCB sets new standards for efficiency and productivity in skid steer and compact track loaders.

COMFORTABLY BETTER PERFORMANCE

JCB skid steers and compact track loaders are built tough to handle the demands of any application and any condition.

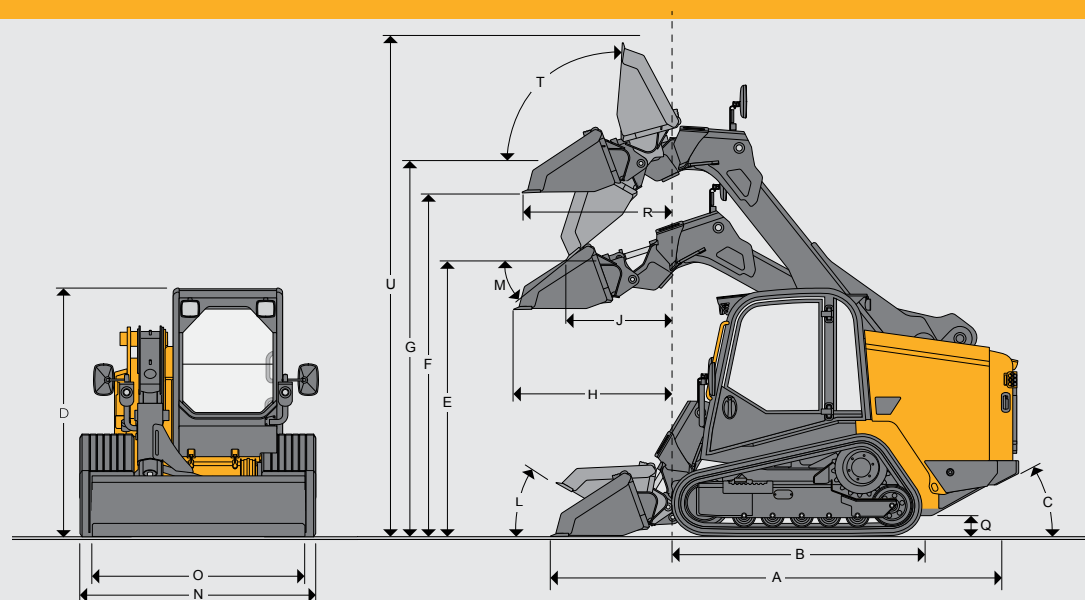
STATIC DIMENSIONS – SKID STEER LOADER



STATIC DIMENSIONS – SKID STEER LOADER

			Small Platform	Large Platform
Lift path			Vertical	Vertical
Machine model			250W	290W
A	Overall length	ft-in (m)	11-5.5 (3.49)	12-6 (3.8)
B	Wheelbase	ft-in (m)	3-6 (1.1)	4-1 (1.25)
C	Angle of departure	degrees	25	29
D	Overall height	ft-in (m)	6-6 (2.0)	6-11 (2.1)
E	Dump height	ft-in (m)	7-5 (2.3)	7-7 (2.3)
F	Loadover height	ft-in (m)	9-4 (2.8)	9-6 (2.9)
G	Pin height	ft-in (m)	9-10 (3.0)	10-6 (3.2)
H	Reach @ ground level	ft-in (m)	3-3.5 (1.0)	3-7 (1.1)
I	Max. reach @ full height	ft-in (m)	3-11.5 (1.21)	4-3 (1.3)
J	Reach @ full height - fully dumped	ft-in (m)	2-10 (0.86)	2-11 (0.9)
K	Dig depth clearance	in (mm)	-3/8 (-10)	-3/8 (-10)
L	Rollback @ ground	degrees	30	30
M	Dump angle	degrees	42	42
N	Width over tires - standard	ft-in (m)	5-0 (1.5)	5-11 (1.8)
O	Bucket width - standard	ft-in (m)	5-6 (1.7)	6-3 (1.9)
	Bucket capacity - standard	yd ³ (m ³)	0.51 (0.39)	0.56 (0.43)
Turning radius				
	Bucket corner radius	ft-in (m)	6-10.5 (2.1)	7-7 (2.3)
	Quick hitch radius	ft-in (m)	3-9 (1.1)	4-11 (1.5)
	Rear chassis radius	ft-in (m)	5-5 (1.7)	5-9 (1.8)
P	Ground clearance	in (mm)	0-8.5 (0.2)	0-10 (0.25)

STATIC DIMENSIONS – COMPACT TRACK LOADER



STATIC DIMENSIONS – COMPACT TRACK LOADER

		Small Platform		Large Platform		
Lift path		Vertical	Vertical	Vertical	Vertical	Vertical
Machine model		215T	250T	290T	300T	400T
A	Overall length	ft-in (m)	11-5 (3.49)	11-5 (3.49)	12-6 (3.8)	12-9 (3.9)
B	Wheelbase	ft-in (m)	5-10 (1.78)	5-10 (1.78)	6-11 (2.1)	6-10 (2.1)
C	Angle of departure	degrees	27	27	29	29
D	Overall height	ft-in (m)	6-7 (2.00)	6-7 (2.00)	6-10 (2.1)	6-10 (2.0)
E	Dump height	ft-in (m)	7-6 (2.29)	7-6 (2.29)	7-6 (2.3)	7-7 (3.9)
	Crowd height	ft-in (m)	12-9 (3.9)	–	13-9 (4.18)	15-3 (4.3)
F	Loadover height	ft-in (m)	9-4 (2.85)	9-4 (2.85)	9-5 (2.9)	9-6 (2.9)
G	Pin height	ft-in (m)	9-11 (3.02)	9-11 (3.02)	10-5 (3.2)	10-5 (3.18)
H	Reach @ ground level	ft-in (m)	3-3 (1.00)	3-3 (1.00)	3-7 (1.1)	3-3 (1)
I	Max. reach @ full height	ft-in (m)	4-0 (1.21)	4-0 (1.21)	4-3 (1.30)	3-11 (1.2)
J	Reach @ full height - fully dumped	ft-in (m)	2-9 (0.85)	2-9 (0.85)	2-11 (0.9)	2-10 (.88)
K	Dig depth - toe plate horizontal clearance	in (mm)	-3/8 (-10)	-3/8 (-10)	-3/8 (-10)	-3/8 (-1)
L	Rollback @ ground	degrees	30	30	30	30
M	Dump angle	degrees	42	42	42	39
	Max Rollback Angle	degrees	95	95	94	107
N	Width over tracks - Standard	ft-in (m)	5-6 (1.68)	6-0 (1.82)	6-3 (1.9)	6-3 (1.9)
O	Bucket width - standard	ft-in (m)	5-6 (1.68)	5-6 (1.7)	6-3 (1.9)	6-3 (1.9)
	Bucket capacity - standard	yd³ (m³)	0.47 (0.36)	0.47 (0.36)	0.56 (0.43)	0.56 (0.43)
P	Length without attachment	ft-in (m)	8-2 (2.5)	–	–	9-10 (3.0)
Turning radius						
	Bucket corner radius	ft-in (m)	6-10 (2.09)	6-10 (2.09)	7-7 (2.3)	7-6 (2.3)
	Quick hitch radius	ft-in (m)	3-9 (1.14)	3-9 (1.14)	5-7 (1.7)	4-7 (1.4)
	Rear chassis radius	ft-in (m)	5-5 (1.65)	5.5 (1.65)	5-9 (1.8)	6-3 (1.9)
Q	Ground clearance	in (mm)	0-9 (230)	0-9 (0.2)	0-7 (0.2)	0-7 (180)

PERFORMANCE DIMENSIONS - SKID STEER

		Small Platform	Large Platform
Machine model		250W	290W
SAE Cab operating weight (no counterweight)	lb SAE (kg)	7,610 lb (3,452 kg)	8,680 lb (3,937 kg)
SAE Cab operating weight (1 pair suitcase weights)	lb SAE (kg)	N/A	N/A
SAE Cab operating weight (2 pair suitcase weights)	lb SAE (kg)	7,813 lb (3,544kg)	8,882 lb (4,029 kg)
Rated operating capacity (ROC) 35% (no counterweight)	lb SAE (kg)	N/A	N/A
Rated operating capacity (ROC) 50% (no counterweight)	lb SAE (kg)	2,531 lb (1,148 kg)	3,029 lb (1,374 kg)
ROC with full counterweight	lb SAE (kg)	2,531 lb (1,148 kg)	3,029 lb (1,374 kg)
Tipping load - no counterweight	lb (kg)	4,471 lb (2,028 kg)	N/A
Tipping load - full counterweight	lb (kg)	4,766 lb (2,162 kg)	6,058 lb (2,748 kg)
Loader lift capacity with shovel	lbf (kg)	4,129 lb (1,873 kg)	6,056 lb (2,747 kg)
Bucket tilt breakout force	lbf (kgf)	5,912 lb (2682 kg)	6,543 lb (2,968 kg)

PERFORMANCE DIMENSION - COMPACT TRACK LOADER

		Small Platform		Large Platform		
Machine model		215T	250T	290T	300T	400T
SAE Cab operating weight (no counterweight)	lb SAE (kg)	9,098 (4,127)	9,667 (4,385)	11,592 lb (5,258 kg)	11,219 (5,089)	12,544 (5,960)
SAE Cab operating weight (1 pair suitcase weights)	lb SAE (kg)	9,200 (4,173)	9,769 (4,431)	N/A	N/A	N/A
SAE Cab operating weight (2 pair suitcase weights)	lb SAE (kg)	9,301 (4,219)	9,870 (4,477)	N/A	N/A	N/A
Rated operating capacity (ROC) 35% (no counterweight)	lb SAE (kg)	2,105 (955)	2,317 (1,051)	2,859 lb (1,297 kg)	3,000 (1361)	3,994 (1,812)
Rated operating capacity (ROC) 50% (no counterweight)	lb SAE (kg)	3,009 (1,365)	3,522 (1,598)	N/A	4,314 (1,957)	5,712 (2,590)
ROC with full counterweight	lb SAE (kg)	2,138 (970)	2,429 (1,102)	2,859 lb (1,297 kg)	N/A	3,907 (1,772)
Tipping load - no counterweight	lb (kg)	6,016 (2,729)	7,045 (3,196)	N/A	8,627 (3,913)	NA
Tipping load - full counterweight	lb (kg)	6,109 (2,771)	7,158 (3,247)	8,170 lb (3,706 kg)	N/A	N/A
Loader lift capacity with shovel	lbf (kg)	4,592 (2,083)	4,129 (1,873)	5,807 lb (2,634 kg)	5,807 (2,634)	6,816 (3092)
Bucket tilt breakout force	lbf (kgf)	4,945 (2,243)	5,154 (2,338)	6,543 lb (2,968 kg)	6,543 (2,968)	8150 (3697)

HYDRAULICS - SMALL PLATFORM AND LARGE PLATFORM

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

Standard flow	215/215T/250/250T	290/300/290T/300T	400T
	18.5 gpm (70 lpm) @ 2,730 RPM Main relief pressure 3,335 psi (230 bar) HYD Power Low Flow (36.0 hp)*	24 gpm (90 lpm) @ 2,300 RPM Main relief pressure 3,335 psi (230 bar) HYD Power Low Flow (46.7 hp)*	24 gpm (90 lpm) Main relief pressure 4,061 psi (280 bar) HYD Power Low Flow (35.8 hp)*
Optional auxiliary high flow	215/215T/250/250T	290/290T	400T
	30.4 gpm (115 lpm) HYD Power High Flow (59.1 hp)*	31.7 gpm (120 lpm) HYD Power High Flow (61.7 hp)*	33 gpm (125 lpm) HYD Power High Flow (46.1 hp)*
Optional auxiliary high flow	N/A	300/300T	400T
		33 gpm (125 lpm) HYD Power High Flow (64.2 hp)*	42.3 gpm (160 lpm) HYD Power Super Flow (57.9 hp)*

- Low joystick lever efforts give excellent and easy control of transmission, loader and attachments.
- Auxiliary hydraulics are actuated on the joystick roller giving progressive control of hydraulic fluid flow for precise attachment control
- Loader arm hydraulic lines under protective steel guard on Powerboom™.
- Canister style, full flow, hydraulic oil filter.
- JCB engine oil for engine and chain case.
- JCB hydraulic oil.

*Calculated

CAPACITIES

		Small Platform	Large Platform	
		215T/250T	290T/300T	400T
Hydraulic system (including tank)	gal (l)	11.5 (43.5)	14.5 (55)	14.5 (55)
Fuel tank (radial / vertical lift)	gal (l)	25.9 (98) / 24.3 (92)	27.3 (103.3)	27.3 (103.3)
Engine coolant	gal (l)	2.6 (10)	5.8 (22)	5.8 (22)
Engine oil min/max.	gal (l)	1.5 (5.5) / 2 (7.4)	3.2 (12) / 4.0 (15)	4.0 (15)

TRANSMISSION

A full electro-hydraulic controlled hydrostatic transmission giving zero to maximum speed, both forward and reverse at full power. Hydraulic power management system maintains full engine power availability maximizing loader and attachment control.

Model		Single Speed	Two Speed
Travel speed 215	mph (km/h)	7.5 (12.0)	7.5 (12.0) / 11.5 (18.5)
Travel speed 290/300	mph (km/h)	6.8 (10.9)	6.8 (10.9) / 12.4 (20.0)
Travel speed 215T/250T	mph (km/h)	6.2 (10.0)	5.6 (9.0) / 7.8 (12.5)
Travel speed 290T/300T	mph (km/h)	5.7 (9.2)	4.8 (7.7) / 7.8 (12.5)
Travel speed 400T	mph (km/h)	6.2 (10.0)	7.8 (12.5)

ENGINE				
Small Platform		Large Platform		
	215/215T/250/250T	290/300/290T/300T	400T	
Engine model	Kohler - KDI2504TCR/26A	JCB EcoMAX TCAE-8I	JCB EcoMAX TCAE-8I	
Displacement	in ³ (cm ³)	151 (2474)	268 (4399)	268 (4,399)
Fuel		Diesel	Diesel	Diesel
Cooling		Liquid	Liquid	Liquid
Aspiration		Turbo	Turbo	Turbo
Gross Power @ 2400 RPM				
SAE J1995	hp (kW)	74 (55)	74 (55)	109 (81)
Gross Torque @ 1200 RPM				
SAE J1995	lb/ft (Nm)	221.2 (300)	295 (400)	380 (516)
Starter motor	hp (kW)	2.72 (2)	5.63 (4.2)	5.6 (4.2)
Battery	V/Ah	12 / 109	12 / 109	12/109
Alternator	amps	100	95	150A
Emission certification		Tier 4 Final	Tier 4 Final	EPA-T4F
Engine oil service interval hours		500	500	500
Variable speed hydraulically driven fan		YES	YES	YES

TIRES / TRACKS			
Tires	Bucket	Tracks	
215 Standard - General Purpose - 10 X 16.5 8 Ply Tyres	215/215t - GP Bucket - 72 In / 1829 mm Wide With Boce – 0.56 Yd [^] 3 (0.43 M [^] 3)	215T 12.6 in (320 mm) wide traction lug	
250 Standard - General Purpose - 10 X 16.5 8 Ply Tyres	250/250t - GP Bucket - 72 In / 1829 mm Wide With Boce – 0.56 Yd [^] 3 (0.43 M [^] 3)	250T/300T/325T 15.7 in (400 mm) wide traction lug	
290 Standard - General Purpose - 14 X 17.5 - 12 Ply Tires, Xtra Wall	290/290t - GP Bucket - 78 In / 1981 mm Wide Boce - 0.61 Yd [^] 3 (0.47 M [^] 3)	290T/400T 17.7 in (450 mm) wide traction lug	
215t - Rubber Tracks - 12.6 In/320 mm WX 86 mm Pitch X 50 Links	400t - GP Bucket - 78 In / 1981 mm Wide Boce - 0.61 Yd [^] 3 (0.47 M [^] 3) Or GP Bucket - 84 In / 2134 mm Wide With Boce – 0.65 Yd [^] 3 (0.50 M [^] 3)		
250t - Multibar Rubber Tracks - 15.7 In / 400 mm Wide			
290t - Rubber Tracks - 17.7 In / 450 mm Wide			
400t - Rubber Tracks - 17.7 In / 450 mm Wide			

For arduous conditions and hostile environments solid tires are recommended.

CONTROLS - ALL MODELS
JCB servo control (ISO) pattern provides all drive functions on left and loader function on right joystick. The left hand control pod pivots rearwards, providing unparalleled machine entry/exit.

STANDARD EQUIPMENT	
Sealed cab with heater/defroster	•
Mechanical quick hitch	•
Electronic hand throttle	•
Two front and one rear work light	•
Emergency lower valve	•
Fuel gauge	•
Hydraulic park brake	•
Standard flow auxiliary hydraulics	•
Rear service access door	•
Tilting cab for service access	•
Static seat in wheeled models	•
Mechanical suspension seat in tracked models	•
Boom Float	•
Centrifugal dry engine air filter with primary and secondary elements	•
Battery isolator	•
Foot throttle	•
Twine cutter (wheeled units only)	•
In-cab ISO/H pattern changeover	•
Isolation mounted operator enclosure	•
Fuel cap protection	•
Creep speed	•

OPERATOR ENVIRONMENT	
Full ROPS and Level I FOPS	•
7" display / touch screen	•
Full visual and audible warning system	•
Operator Enclosure access through side door	•
Fully adjustable seat	•
Retractable seat belt	•
Electric over hydraulic controls with JCB multi-function joysticks	•
Pod storage area	•
Cup holder	•
Power socket	•
Rear view mirror	•
Interior light	•
Radio	•
Right Hand Sliding Window (250T/ 400T)	•

LIGHTING AND ELECTRICS	
12 VDC Negative ground system	•
1,000 cold cranking amps (CCA) battery @0deg F	•
Low charge pressure alarm	•
Engine water temperature alarm	•
Blocked air filter pressure alarm	•
Engine oil pressure alarm	•
Avoltage alarm	•
Operator enclosure mounted fuse and relay box	•

TIRES/TRACKS	
215 MODEL	•
10 x 16.5 - 8 PR Xtra Wall Off Road	•
11 x 16.5 - 10 PR All Terrain	+
10 x 16.5 - Reinforced 2 Steel Crown, 3 Metal Shoulders Bibsteel All Terrain	+
7 x 15 - 14 PR Extra Duty Plus Industrial	+
30 x 7.6 - 15 Solid no Aperture Extreme Industrial	+
31 x 10 - 18 Solid with Aperture Brawler Heavy Duty Off Road	+
33 x 10 - 20 Solid with Aperture Slick Heavy Duty	+
270 AND 300 MODEL	
12 x 16.5 - 10 PR Xtra Wall Off Road	•
7.6 x 15 Solid Industrial Slick	+
11 x 16.5 - 12 PR Xtra Wall Off Road	+
12 x 16.5 - 10PR Off Road	+
12 x 16.5 - Reinforced 2 Steel Crown, 3 Metal Shoulders Bibsteel All Terrain	+
15.5 x 16.5 - 14 PR Off Road Flotation	+
33 x 11 - 20 Solid with Aperture Brawler Heavy Duty Off Road	+
36 x 22 - 20 Solid with Aperture Brawler Heavy Duty Off Road	+
32 x 8.5 -16 Solid with Aperture Heavy Duty Industrial	+
33 x 10 - 20 Solid with Aperture Slick Heavy Duty Off Road	+
TRACKED MODELS	
12.6 in (320 mm) wide traction lug	•
15.7 in (400 mm) wide traction lug	•
17.7 in (450 mm) wide traction lug	+

OPTIONAL FEATURES	
Canopy/Cab with AC	+
Mechanical and air suspension seats	+
LED work lights	+
Road lights	+
Beacon	+
Self levelling	+
Parallel Lift	+
Smooth Ride System	+
High Flow auxiliary hydraulics	+
Powered quick hitch	+
2-Speed	+
Exhaust spark arrestor	+
Fenders	+
Reversing fan	+
Pre-cleaner	+
Polycarbonate screen	+
Cab Guarding	+
Engine oil pressure alarm	•
Avoltage alarm	•
Operator enclosure mounted fuse and relay box	•



SKID STEER AND COMPACT TRACK LOADER



ONE COMPANY, MORE THAN 300 MACHINES.

Your nearest JCB Dealer

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JCB North America

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Download the very latest information on this product range at www.jcb.com

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