

SPECIFICATION

STAGE V



SKID STEER AND COMPACT TRACK LOADER 155, 215, 270, 215T, 270T

Operating weight: 3121-4991kg Overall height: 1.98 - 2.10m Gross engine power: 42-55 KW (56-74 hp)



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.



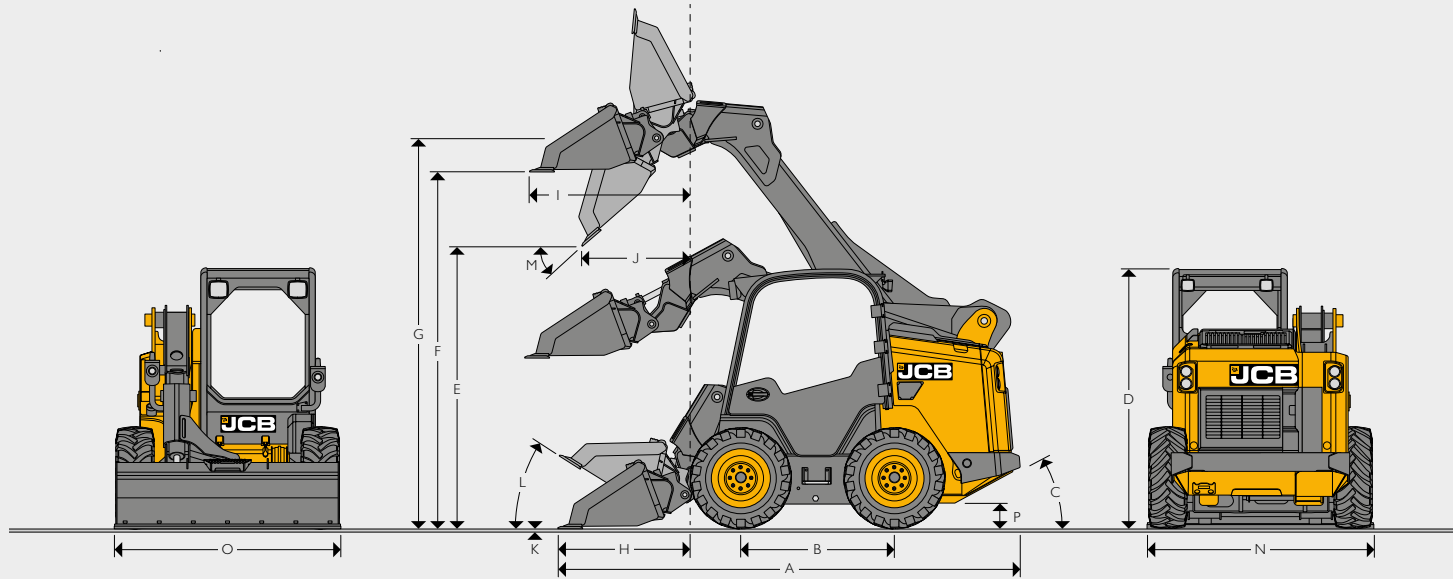
COMFORTABLY BETTER POWER

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

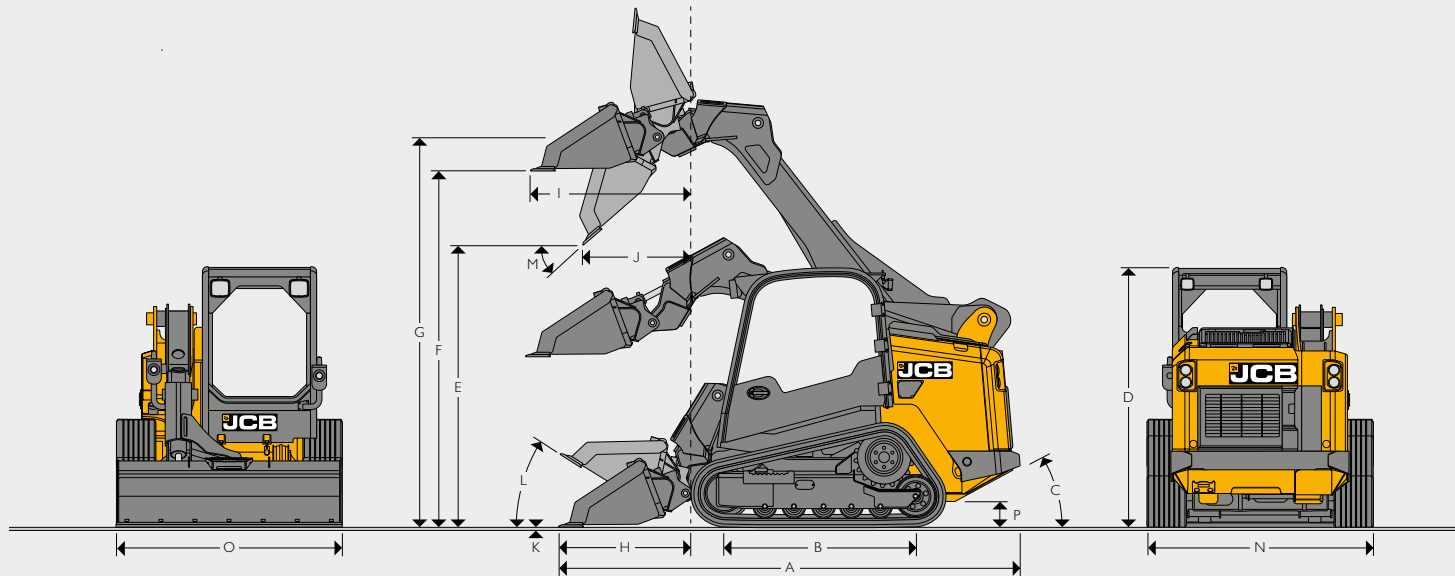
JCB skid steers and compact track loaders are built tough to handle the demands of any application and any condition.

STATIC DIMENSIONS – SKID STEER LOADER



		Small Platform		Large Platform
Lift path		Radial	Vertical	Vertical
Machine model		155	215	270
A	Overall length	m	3.49	3.80
B	Wheelbase	m	1.07	1.25
C	Angle of departure	degrees	25°	29°
D	Overall height	m	1.98	2.10
E	Dump height	m	2.26	2.30
F	Load over height	m	2.84	2.90
G	Pin height	m	3.00	3.20
H	Reach @ ground level	m	1.00	1.10
I	Max. reach @ full height	m	0.91	1.30
J	Reach @ full height - fully dumped	m	0.56	0.90
K	Dig depth clearance	m	-10	-10
L	Rollback @ ground	degrees	30°	30°
M	Dump angle	degrees	42°	42°
N	Width over tyres - standard	m	1.52	1.80
O	Bucket width - standard	m	1.68	1.90
	Bucket capacity - standard	m ³	0.36	0.43
Turning radius				
	Bucket corner radius	m	2.09	2.30
	Quick hitch radius	m	1.14	1.50
	Rear chassis radius	m	1.65	1.76
P	Ground clearance	mm	210	250

STATIC DIMENSIONS – COMPACT TRACK LOADER



		Small Platform		Large Platform	
Lift path		Vertical		Vertical	
Machine model		215T		270T	
A	Overall length	m	3.49		3.80
B	Wheelbase	m	1.78		2.10
C	Angle of departure	degrees	27°		29°
D	Overall height	m	2.00		2.08
E	Dump height	m	2.29		2.28
F	Loadover height	m	2.85		2.88
G	Pin height @ full height	m	3.02		3.18
H	Reach @ ground level	m	1.00		1.10
I	Max. reach @ full height	m	1.21		1.30
J	Reach @ full height - fully dumped	m	0.85		0.90
K	Dig depth clearance	mm	-10		-10
L	Rollback @ ground	degrees	30°		30°
M	Dump angle	degrees	42°		42°
N	Width over tyres - standard	m	1.68		1.90
O	Bucket width - standard	m	1.68		1.90
	Bucket capacity - standard	m ³	0.36		0.43
Turning radius					
	Bucket corner radius	m	2.09		2.30
	Quick hitch radius	m	1.14		1.70
	Rear chassis radius	m	1.65		1.76
P	Ground clearance	mm	230		230

HYDRAULIC PERFORMANCE - SKID STEER				
		Small Platform		Large Platform
Machine model		155	215	270
SAE cab operating weight (no counterweight)	kg	3121	3482	3852
SAE cab operating weight full counterweight (2 pair suitcase weights)	kg	3213	3574	N/A
Rated operating capacity (ROC) 50% (no counterweight)	kg	741	1014	1306
ROC 50% with full counterweight	kg	N/A	1148	N/A
Tipping load - no counterweight	kg	1482	2028	2612
Tipping load - full counterweight	kg	N/A	2162	N/A
Loader lift capacity with bucket	kgf	1914	1873	2747
Bucket tilt breakout force	kgf	2418	2682	2968

*215 available with 2 x pairs suitcase counterweights.

HYDRAULIC PERFORMANCE - COMPACT TRACK LOADER			
		Small Platform	Large Platform
Machine model		215T	270T
SAE Cab operating weight (no counterweight)	kg	4176	4991
SAE Cab operating weight full counterweight (2 pair suitcase weights)	kg	4268	N/A
Rated operating capacity (ROC) 35% (with full counterweight where applicable)	kg	1170	N/A
Rated operating capacity (ROC) 35% (no counterweight)	kg	1119	1306
Tipping load - no counterweight	kg	3196	3831
Tipping load - full counterweight	kg	3247	N/A
Loader lift capacity with bucket	kgf	1873	2634
Bucket tilt breakout force	kgf	2682	2968

HYDRAULICS			
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	155/215/215T		270/270T
	70 litres/min @2,450 RPM engine speed Main relief pressure 230bar (3,335psi) HYD Power Low Flow (36.0 hp)*		90 litres/min @2,300 RPM engine speed Main relief pressure 230bar (3,335psi) HYD Power Low Flow (46.7 hp)*
Optional auxiliary high flow	155	215/215T	270/270T
	100 litres/min HYD Power High Flow (51.4 hp)*	115 litres/min HYD Power High Flow (59.1 hp)*	126.5 litres/min HYD Power High Flow (63.7 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
Hydraulic system (including tank)	litres	43.5	55
Fuel tank (radial / vertical lift)	litres	98 / 92	103.3
Engine coolant	litres	10	22
Engine oil min/max	litres	5.5 / 7.4	12 / 15
LH chaincase (wheeled machines only)	litres	19	23.3
RH chaincase (wheeled machines only)	litres	19	23.3

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 maximising loader and attachment control.			
Model		Single Speed	Two Speed
Travel speeds 155/215	kmh	12.0	12.0 / 18.5
Travel speeds 270	kmh	10.9	10.9 / 20.0
Travel speeds 215T	kmh	10.0	9.0 / 12.5
Travel speeds 270T	kmh	9.2	7.7 / 12.5

SPECIFICATION

SKID STEER AND COMPACT TRACK LOADER

ENGINE				
		Small Platform		Large Platform
		155	215/215T	270/270T
Engine model		Kohler - KDI1903	Kohler - KDITCR2504E5/26	JCB 430 TA5-55
Displacement	Litres	1.9	2.5	3.0
Fuel		Diesel	Diesel	Diesel
Cooling		Liquid	Liquid	Liquid
Aspiration		Turbo	Turbo	Turbo
Gross Power @ RPM				
ISO 14396	kW (hp)	42 (56.3) @2600	55.4 (74.3) @2600	55.2 (74) @2200
Gross Torque @ RPM				
ISO 14396	Nm	225@1500	315@1500	440 @1150
Starter motor	kW (hp)	2 (2.72)	2 (2.72)	4.2 (5.63)
Battery voltage / rating @ 20hr	V/Ah	12 / 95	12 / 109	12 / 109
Alternator	amps	100	100	95
Emission certification		EU Stage V	EU Stage V	EU Stage V
Engine oil service interval hours		500	500	1000
Variable speed hydraulically driven fan		Yes	Yes	Yes

TYRES / TRACKS

Tyres	Tracks
Standard – 155/215 10 x 16.5 - 8 PR Xtra Wall Off Road	215T
Standard – 270 12 x 16.5 - 10 PR Xtra Wall Off Road	320 mm wide traction lug
155/215 - Available tyre options	270T
11 x 16.5 - 10 PR All Terrain	400 mm wide traction lug
10 x 16.5 - Reinforced 2 Steel Crown, 3 Metal Shoulders Bibsteel All Terrain	Available track options
7 x 15 - 14 PR Extra Duty Plus Industrial	450 mm wide traction lug
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 - Available tyre options	
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	

For arduous conditions and hostile environments solid tyres are recommended.

CONTROLS

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.

EQUIPMENT		
Sealed cab with heater/defroster	•	Heavy-duty rear door guard
Air conditioning	•	Front screen guard
ROPS and Level I FOPS	•	High flow auxiliary hydraulics
Centrifugal dry engine air filter with primary and secondary elements	•	Exhaust spark arrestor
Mechanical quick hitch. Electronic hand throttle	•	Bucket tooth guard
Two front and one rear work light	•	Powered quick hitch
Reverse camera	•	Smooth ride system
Emergency lower valve	•	Polycarbonate screen
Fuel gauge	•	Three-inch seat belt
Hydraulic park brake	•	Creep speed
Standard flow auxiliary hydraulics	•	Fenders
Seven-way joysticks	•	Reversing fan
Rear service access door	•	Air Intake
Tilting cab	•	Pre-cleaner
Static seat in wheeled models	•	
Mechanical suspension seat in tracked models	•	OPERATOR ENVIRONMENT
Float	•	Full ROPS and level I
Pod storage area	•	Level 2 FOPS guard for demolition
Cup holder	•	Full visual and audible warning system
Power socket	•	EC noise directive compliant soundproofing
Rear view mirror	•	Operator enclosure access through side door
Interior light	•	Fully adjustable seat
Battery isolator	•	Retractable seat belt
Foot throttle	•	Touch screen
Radio	•	Electric over hydraulic controls with JCB multi-function joysticks
Twine cutter (wheeled units only)	•	
ISO/H pattern	•	
Isolation mounted operator enclosure	•	LIGHTING AND ELECTRICS
Changeover	•	12 VDC negative ground system
Fuel cap protection	•	1,000 cold cranking amps (CCA) battery @0deg F
Mechanical and air suspension seats	+	Low charge pressure alarm
LED work lights	+	Engine water temperature alarm
Road lights	+	Blocked air filter pressure alarm
Beacon	+	Engine oil pressure alarm
Fire extinguisher	+	Avoltage alarm
Toolkit	+	Operator enclosure mounted fuse and relay box
Self levelling	+	Standard battery disconnect
Level 2 FOPS guard	+	

STANDARD •

OPTIONAL +





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