

## SPECIFICATION



### SKID STEER AND COMPACT TRACK LOADER

155/175/190/205/270/270T

Operating weight: 2,955 – 4,959kg (Gross rated power: 44.7 – 55kW)



# THE WORLD'S SAFEST.

With a wide-opening side door for safe entry and exit, operators do not need to climb over large attachments or under an unsupported boom.

## ALL AROUND VISIBILITY.

Thanks to JCB's Powerboom™ loader arm, operators of JCB skid steer and compact track loaders enjoy 60 percent better visibility around the machine than users of conventional twin-arm machines.



## POWER AND PERFORMANCE.

Unlike conventional skid steer engine cooling systems, the JCB system pulls cool, clean air from above and forces hot air out through the sides and rear, away from the operator.



## COMFORT AND CONTROL.

With easy side-door entry, the largest cabs on the market, electric controls and adjustable joystick controls, JCB skid steers and compact track loaders offer unrivalled comfort for maximum productivity.



## STRENGTH AND DURABILITY.

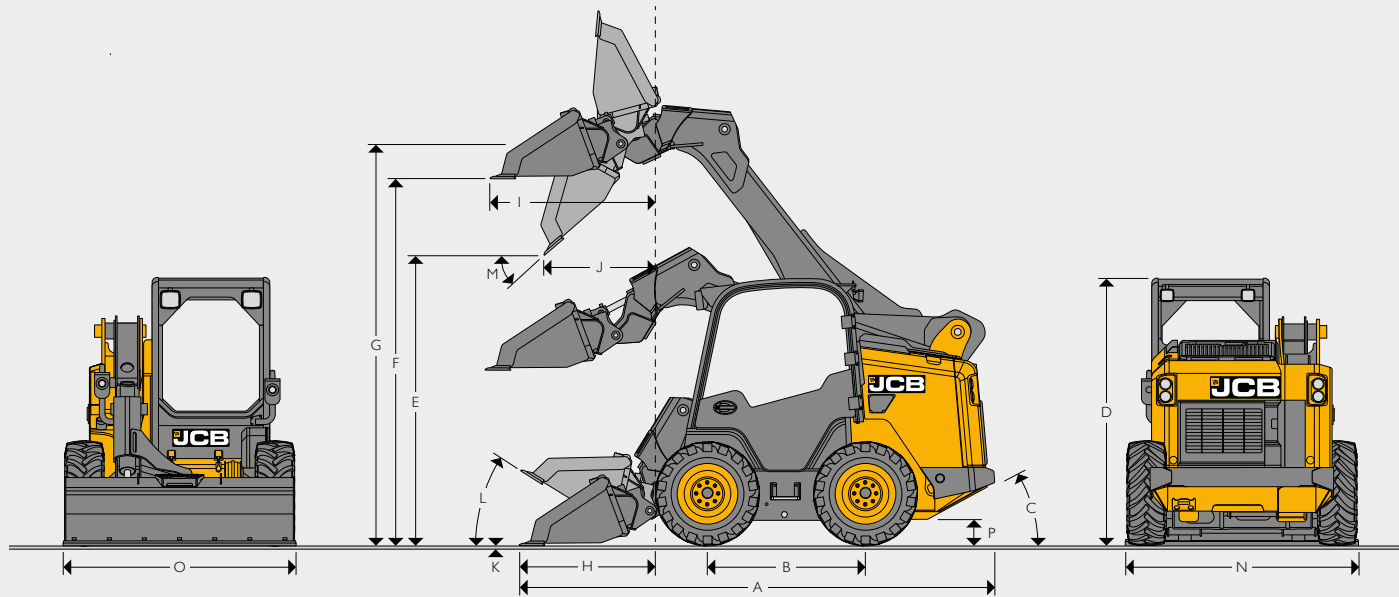
For consistent performance on demanding terrain, JCB skid steer and compact track loaders feature a solid undercarriage with cast steel, triple-flanged rollers.



## SIMPLE SERVICING.

JCB skid steer and compact track loaders are low-maintenance and easy to service, making them affordable, efficient and highly productive.

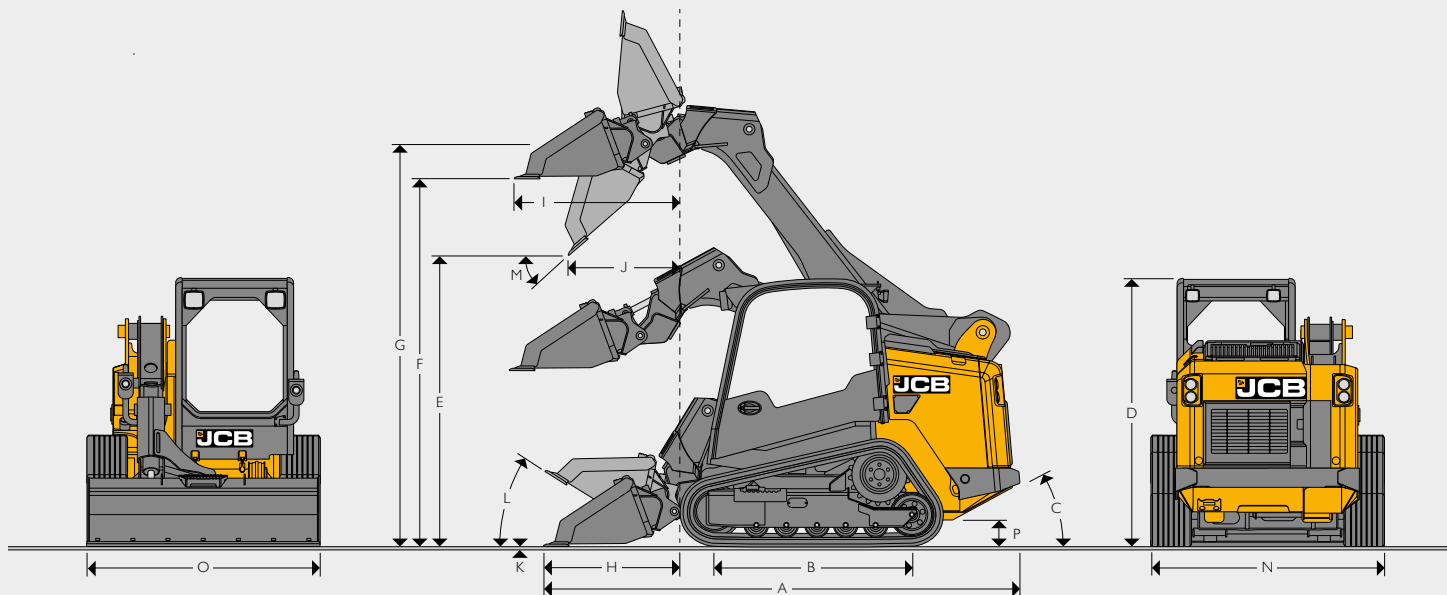
## STATIC DIMENSIONS – SKID STEER LOADER



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		155	175	190	205	LARGE PLATFORM 270
Machine model		155	175	190	205	270
A Overall length	m	3.49	3.49	3.49	3.49	3.80
B Wheelbase	m	1.07	1.07	1.07	1.07	1.25
C Angle of departure	degrees	25°	25°	25°	25°	29°
D Overall height	m	1.98	1.98	1.98	1.98	2.10
E Dump height	m	2.26	2.26	2.26	2.26	2.30
F Loadover height	m	2.84	2.84	2.84	2.84	2.90
G Pin height	m	3.00	3.00	3.00	3.00	3.20
H Reach @ ground level	m	1.00	1.00	1.00	1.00	1.10
I Max. reach @ full height	m	0.91	1.21	1.21	1.21	1.30
J Reach @ full height – fully dumped	m	0.56	0.86	0.86	0.86	0.90
K Dig depth clearance	mm	-10.00	-10.00	-10.00	-10.00	-10.00
L Rollback @ ground	degrees	30°	30°	30°	30°	30°
M Dump angle	degrees	42°	42°	42°	42°	42°
N Width over tyres – standard	m	1.52	1.52	1.52	1.52	1.80
O Bucket width – standard	m	1.68	1.68	1.68	1.68	1.90
Bucket capacity – standard	m <sup>3</sup>	0.36	0.36	0.36	0.36	0.43
<b>Turning radius</b>						
Bucket corner radius	m	2.09	2.09	2.09	2.09	2.30
Quick hitch radius	m	1.14	1.14	1.14	1.14	1.50
Rear chassis radius	m	1.65	1.65	1.65	1.65	1.76
P Ground clearance	mm	210	210	210	210	250
<b>Lift path</b>		Radial	Vertical	Vertical	Vertical	Vertical

## STATIC DIMENSIONS – COMPACT TRACK LOADER



## STATIC DIMENSIONS – COMPACT TRACK LOADER

		LARGE PLATFORM
Machine model		270T
A	Overall length	m
B	Wheelbase	m
C	Angle of departure	degrees
D	Overall height	m
E	Dump height	m
F	Loadover height	m
G	Pin height	m
H	Reach @ ground level	m
I	Max. reach @ full height	m
J	Reach @ full height – fully dumped	m
K	Dig depth clearance	mm
L	Rollback @ ground	degrees
M	Dump angle	degrees
N	Width over tyres – standard	m
O	Bucket width – standard	m
	Bucket capacity – standard	m <sup>3</sup>
<b>Turning radius</b>		
	Bucket corner radius	m
	Quick hitch radius	m
	Rear chassis radius	m
	Ground clearance	mm
<b>Lift path</b>		Vertical

## HYDRAULIC PERFORMANCE - SKID STEER

		SMALL PLATFORM				LARGE PLATFORM
Machine model		155	175	190	205	270
Rated operating capacity (ROC) 50%	kg	703	795	862	930	1235
Tipping load	kg	1406	1590	1724	1860	2471
Loader lift capacity with shovel	kg	1770	1570	1570	1570	2747
Bucket tilt breakout force	kgf	1820	2140	2140	2140	2968

## HYDRAULIC PERFORMANCE - COMPACT TRACK LOADER

		LARGE PLATFORM
Machine model		270T
Rated operating capacity (ROC) 35% (no counterweight)	kg	1235
Rated operating capacity (ROC) 50% (no counterweight)	kg	1812
ROC with full counterweight 35%	kg	N/A
Tipping load – no counterweight	kg	3624
Tipping load – full counterweight	kg	N/A
Loader lift capacity with shovel	kg	2634
Bucket tilt breakout force	kgf	2968

\*300T available with full width rear counterweight

## 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).

	155/175/190/205	270/270T
<b>Standard flow</b>	70 lpm @ 2730 rpm engine speed Main relief pressure 230 bar HYD Power Low Flow (36.0 hp)*	90 lpm @ 2300 rpm engine speed Main relief pressure 230 bar HYD Power Low Flow (46.7 hp)*
<b>Optional auxiliary high flow</b>	100 liters/min HYD Power High Flow (51.4 hp)*	120 liters/min HYD Power High Flow (61.7 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)	l	43.5	55
Fuel tank (radial / vertical lift)	l	98 / 92	103.3
Engine coolant	l	10	22
Engine oil min/max.	l	5.5 / 7.4	12 / 15
LH Chaincase (wheeled machines only)	l	19	23.3
RH Chaincase (wheeled machines only)	l	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 190/155/175/205	kmh	12.0	12.0 / 18.5
Travel speeds 270	kmh	10.9	10.9 / 20.0
Travel speeds 270T	kmh	9.2	7.7 / 12.5

## OPERATING WEIGHT (KG)

Fully operational with quick hitch, standard bucket, full fuel tank, open canopy and 75kg operator.

155	175	190	205	270	270T
2916	3054	3104	3169	3903	4959

## ENGINE

		SMALL PLATFORM	LARGE PLATFORM
		155/175/190/205	270/270T
Model		Perkins 404D-22T	JCB Dieselmix TC-55
Displacement	l	134 (2.2)	268 (4.4)
Fuel		Diesel	Diesel
Cooling		Liquid	Liquid
Aspiration		Turbo Charged	Turbo
<b>Gross power @ 2800 rpm</b>			
SAE J1995	kW (hp)	44.7 (59.9)	55 (74)
<b>Gross torque @ 1200 rpm</b>			
SAE J1995	Nm	139 (189)	267 (362)
Starter motor	kW (hp)	2 (2.72)	2 (2.72)
Battery	V/Ah	12/101	12/109
Alternator	amps	85	95
Emission certification		T3	T3
Engine oil service interval hours		500	500
Variable speed hydraulically driven fan		YES	YES

## TYRES / TRACKS

TYRES	TRACKS
<b>Standard – 155/175/190/205</b> 10 x 16.5 – 8 PR Xtra Wall Off Road	<b>270T</b>
<b>Standard – 270</b> 12 x 16.5 – 10 PR Xtra Wall Off Road	400 mm wide traction lug
<b>155 / 175 / 190 / 205 – Available tyre options</b>	<b>Available track options</b>
10 x 16.5 – 10 PR All Terrain	450 mm wide traction lug
10 x 16.5 – 10 PR Lifemaster Industrial	
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	
33 x 10 – 20 Solid with Aperture Slick Heavy Duty	
<b>270 – Available tyre options</b>	
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 Off Road	
33 x 10 – 20 Solid with Aperture Slick Heavy Duty Off Road	
For arduous conditions and hostile environments solid tyres 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 - ALL MODELS

Isolation mounted canopy. ROPS and FOPS. Restraint activated safety system. Arm rest lapbar safety feature. Centrifugal dry type engine air filter with safety element. Mechanical quick hitch. Electronic hand throttle. Two front and one rear work light. Emergency lower valve. Fuel gauge. Hydraulic park brake. Reverse alarm. Standard flow auxiliary hydraulics. Three way joysticks. Rear service access door. Tilting cab. Static seat in wheeled models. Mechanical suspension seat in tracked models. Float. Pod storage area. Cup holder. Power socket. Rear view mirror. Interior light. Battery isolator.

## OPTIONAL EQUIPMENT - ALL MODELS

Sealed and pressurised cab with heater/defroster. Air conditioning. Mechanical and air suspension seats. Road lights. Beacon. Foot throttle. Fire extinguisher. Toolkit. Self levelling. Level 2 FOPS guard. Heavy-duty rear door guard. Front screen guard. High Flow auxiliary hydraulics. Spark arrester. Tooth guard. Powered quick hitch. Smooth Ride System. Polycarbonate screen. Radio. Twine cutter (wheeled units only). Three inch seat belt. Creep speed. ISO/H pattern changeover. Fenders. Reversing fan. Pre-cleaner.

## OPERATOR ENVIRONMENT - ALL MODELS

Full ROPS and Level 1 FOPS with optional Level 2 FOPS guard for demolition, full visual and audible warning system. Soundproofing gives noise levels complying with EC regulations. Cab access through side door due to JCB's PowerBoom™ design.

- Deluxe environment available in either open canopy, cab with heat, or cab with heat and A/C.
- Unequalled all-round visibility.
- Fully adjustable seat.
- Retractable seat belt fitted as standard.
- Full servo control with either standard (3-way) joysticks or optional JCB multi-function (7-way) joysticks.

## LIGHTING AND ELECTRICS

12 V, negative ground system  
1,000 cold cranking amp (CCA) battery

**155/175/190/205** – 100 amp alternator and electronic throttle  
**270/270T** – 95 amp alternator

Also incorporated into the instrument panel, is a warning light cluster which also has visual and/or audible alarms for: Low charge pressure, engine water temperature, blocked air filter pressure, engine oil pressure, alternator voltage. Cab mounted fuse and relay box designed to keep dirt and water out; standard battery disconnect.





**ONE COMPANY, OVER 300 MACHINES.**

Your nearest JCB dealer

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Operating weight: 2,955 – 4,959kg Gross rated power: 44.7 – 55kW

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Download the very latest information on this product range at: [www.jcb.com](http://www.jcb.com)

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