

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

Operating weight: 3121-4906kg Overall height: 1.98 - 2.10m Gross engine power: 42-55 KW (56-74 hp)

JCB

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 VISIBILITY

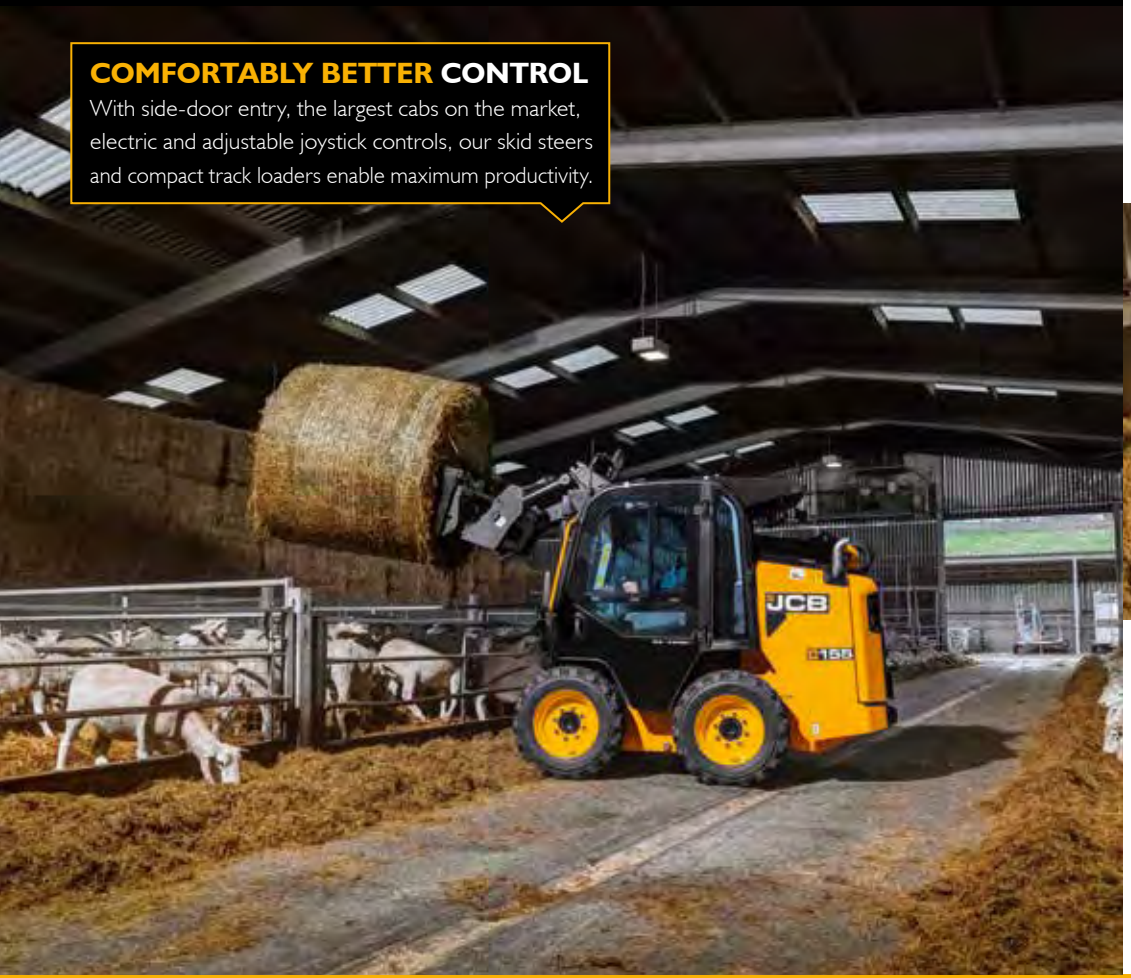
The low boom profile on Hi-Viz models allows excellent visibility to both sides of the machine and the quick hitch, plus enhanced visibility to the tracks or wheels.

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 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.







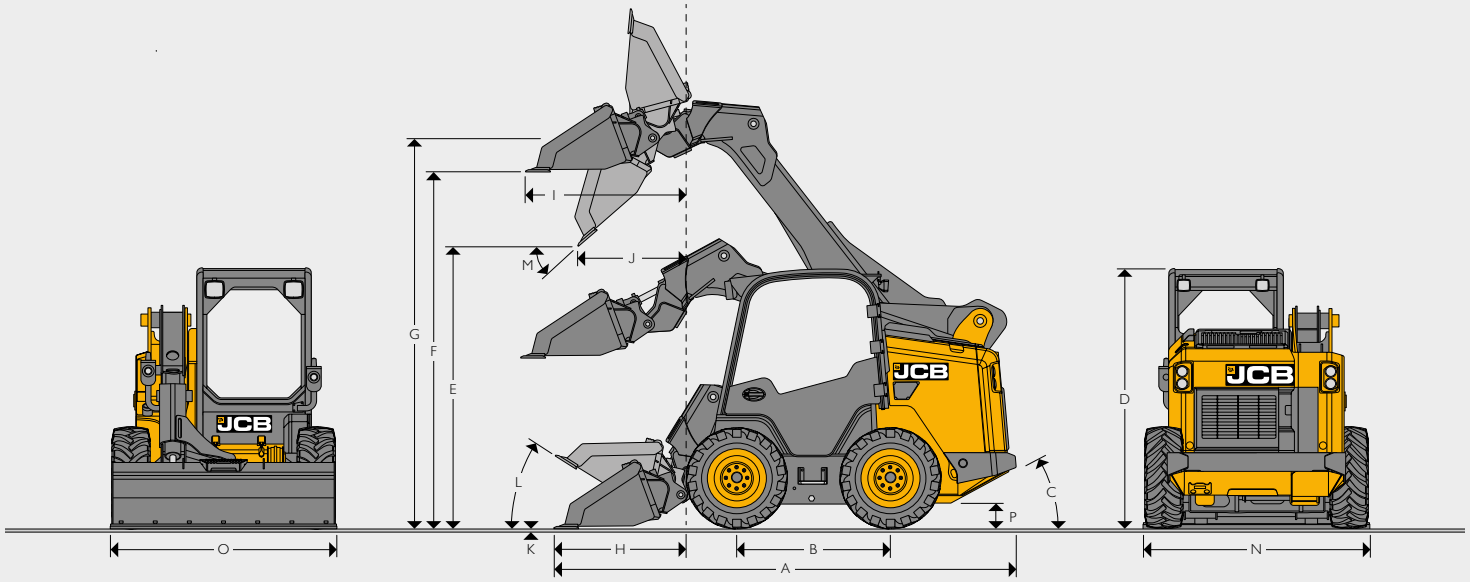
COMFORTABLY BETTER POWER

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

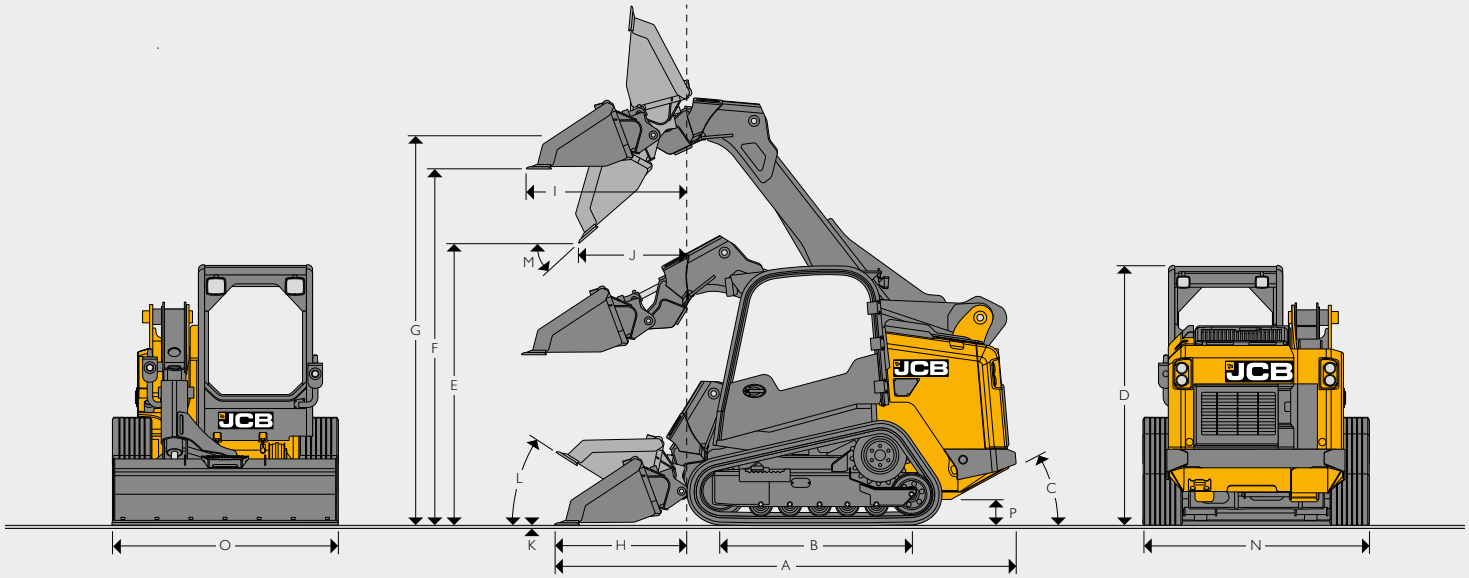
JCB skid steers and compact track loaders are built tough to handle the demands of any application and any condition.

STATIC DIMENSIONS – SKID STEER LOADER



			Small Platform	Large Platform
Lift path			Radial	Vertical
Machine model			155	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



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

HYDRAULIC PERFORMANCE - SKID STEER

		Small Platform	Large Platform
Machine model		**155**	**270**
SAE cab operating weight (no counterweight)	kg	3121	3852
SAE cab operating weight full counterweight (2 pair suitcase weights)	kg	3213	N/A
Rated operating capacity (ROC) 50% (no counterweight)	kg	741	1306
ROC 50% with full counterweight	kg	N/A	N/A
Tipping load - no counterweight	kg	1482	2612
Tipping load - full counterweight	kg	N/A	N/A
Loader lift capacity with bucket	kgf	1914	2747
Bucket tilt breakout force	kgf	2418	2968

HYDRAULIC PERFORMANCE - COMPACT TRACK LOADER

		Large Platform
Machine model		**270T**
SAE Cab operating weight (no counterweight)	kg	4906
SAE Cab operating weight full counterweight (2 pair suitcase weights)	kg	N/A
Rated operating capacity (ROC) 35% (with full counterweight where applicable)	kg	N/A
Rated operating capacity (ROC) 35% (no counterweight)	kg	1306
Tipping load - no counterweight	kg	3831
Tipping load - full counterweight	kg	N/A
Loader lift capacity with bucket	kgf	2634
Bucket tilt breakout force	kgf	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).

	155	**270/270T**
Standard flow	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)*
	155	**270/270T**
Optional auxiliary high flow	100 litres/min HYD Power High Flow (51.4 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	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

ENGINE

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

TYRES / TRACKS

Tyres

Standard – 155 10 x 16.5 - 8 PR Xtra Wall Off Road

Standard – 270 12 x 16.5 - 10 PR Xtra Wall Off Road

155 - Available tyre options
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 - 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

Tracks

270T
400 mm wide traction lug

Available track options
450 mm wide traction lug

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	•
Air conditioning	•
ROPS and Level I FOPS	•
Centrifugal dry engine air filter with primary and secondary elements	•
Mechanical quick hitch. Electronic hand throttle	•
Two front and one rear work light	•
Reverse camera	•
Emergency lower valve	•
Fuel gauge	•
Hydraulic park brake	•
Standard flow auxiliary hydraulics	•
Seven-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	•
Foot throttle	•
Radio	•
Twine cutter (wheeled units only)	•
IS0/H pattern	•
Isolation mounted operator enclosure	•
Changeover	•
Fuel cap protection	•
Mechanical and air suspension seats	+
LED work lights	+
Road lights	+
Beacon	+
Fire extinguisher	+
Toolkit	+
Self levelling	+
Level 2 FOPS guard	+
Heavy-duty rear door guard	+
Front screen guard	+
High flow auxiliary hydraulics	+
Exhaust spark arrestor	+
Bucket tooth guard	+
Powered quick hitch	+
Smooth ride system	+
Polycarbonate screen	+
Three-inch seat belt	+
Creep speed	+
Fenders	+
Reversing fan	+
Air Intake	+
Pre-cleaner	+

STANDARD •
OPTIONAL +

OPERATOR ENVIRONMENT

Full ROPS and level I	•
Level 2 FOPS guard for demolition	+
Full visual and audible warning system	•
EC noise directive compliant soundproofing	•
Operator enclosure access through side door	•
Fully adjustable seat	•
Retractable seat belt	•
Touch screen	•
Electric over hydraulic controls with JCB multi-function joysticks	•

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	•
Standard battery disconnect	•


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JCB Sales Limited, Rocester, Staffordshire, United Kingdom ST14 5JP.
Tel: +44 (0)1889 590312 Email: salesinfo@jcb.com

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