

NEW



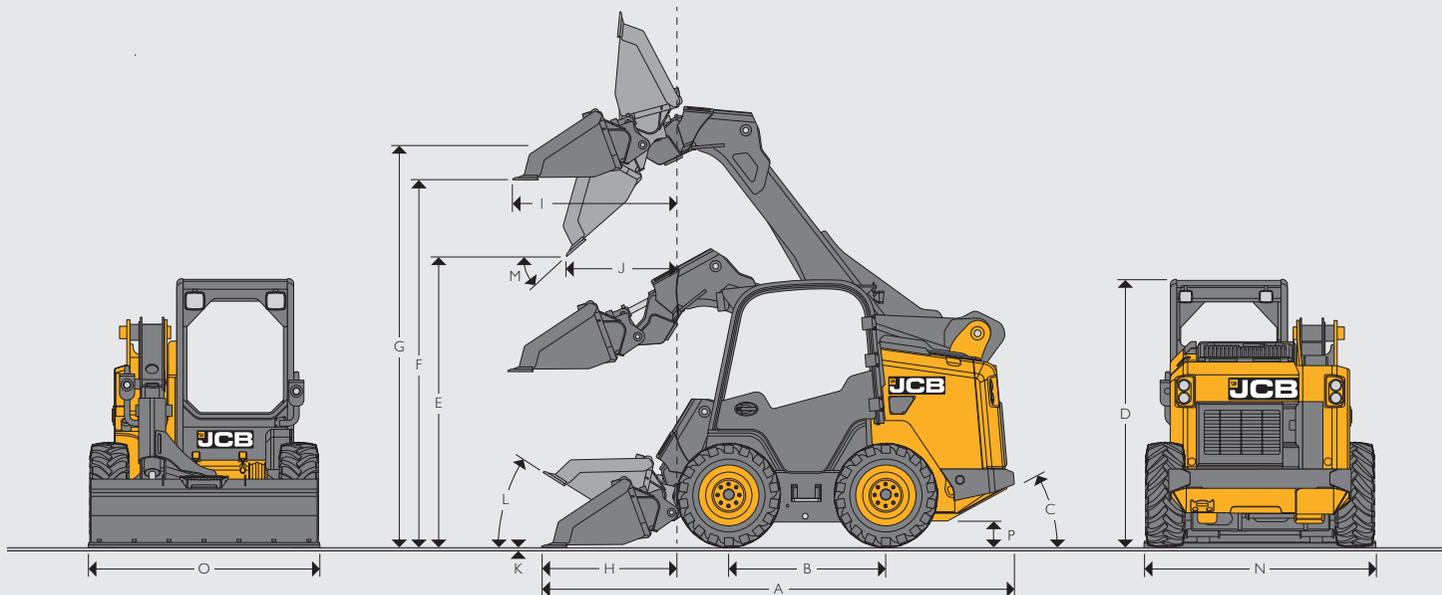
SKID STEER AND COMPACT TRACK LOADER

155/175/210/215/250/270/300/330/150T/210T/215T/250T/270T/300T/320T/325T

Operating weight: 2,955 – 5,089 kg Gross rated power: 42 – 55 kW (56 – 74 hp)



STATIC DIMENSIONS – SKID STEER LOADER



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	SMALL PLATFORM				LARGE PLATFORM			
	Radial	Vertical	Radial	Vertical	Radial	Vertical	Vertical	Vertical
Lift path								
Machine model	155	175	210	215	250	270	300	330
A Overall length	m	3.49	3.49	3.49	3.49	3.80	3.80	3.80
B Wheelbase	m	1.07	1.07	1.07	1.07	1.25	1.25	1.25
C Angle of departure	degrees	25°	25°	25°	25°	29°	29°	29°
D Overall height	m	1.98	1.98	1.98	1.98	2.10	2.10	2.13
E Dump height	m	2.26	2.26	2.26	2.26	2.30	2.30	2.35
F Loadover height	m	2.84	2.84	2.84	2.84	2.90	2.90	2.93
G Pin height	m	3.00	3.00	3.00	3.00	3.20	3.20	3.23
H Reach @ ground level	m	1.00	1.00	1.00	1.00	1.10	1.10	1.08
I Max. reach @ full height	m	0.91	1.21	1.21	1.21	1.00	1.30	1.28
J Reach @ full height - fully dumped	m	0.56	0.86	0.56	0.86	0.60	0.90	0.88
K Dig depth clearance	m	-10	-10	-10	-10	-10	-10	-10
L Rollback @ ground	degrees	30°	30°	30°	30°	30°	30°	30°
M Dump angle	degrees	42°	42°	42°	42°	42°	42°	42°
N Width over tyres - standard	m	1.52	1.52	1.52	1.52	1.80	1.80	1.80
O Bucket width - standard	m	1.68	1.68	1.68	1.68	1.90	1.90	1.90
Bucket capacity - standard	m ³	0.36	0.36	0.36	0.36	0.43	0.43	0.43
Turning radius								
Bucket corner radius	m	2.09	2.09	2.09	2.09	2.30	2.30	2.30
Quick hitch radius	m	1.14	1.14	1.14	1.14	1.50	1.50	1.50
Rear chassis radius	m	1.65	1.65	1.65	1.65	1.76	1.76	1.76
P Ground clearance	mm	210	210	210	210	250	250	250

300 (R17.5 Tyres)

HYDRAULIC PERFORMANCE - SKID STEER

Machine model		SMALL PLATFORM				LARGE PLATFORM			
		155	175	210	215	250	270	300	330
SAE Cab operating weight (no counterweight)	kg	2955	3093	3123	3290	3726	3937	4213	4416
SAE Cab operating weight (1 pair suitcase weights)	kg	N/A	N/A	3166	3330	N/A	N/A	N/A	N/A
SAE Cab operating weight (2 pair suitcase weights)	kg	N/A	N/A	3209	3390	N/A	N/A	N/A	N/A
Rated operating capacity (ROC) 35% (no counterweight)	kg	492	557	671	670	803	865	1011	1046
Rated operating capacity (ROC) 50% (no counterweight)	kg	703	795	959	958	1146	1235	1445	1495
ROC with full counterweight	kg	N/A	N/A	1015	1024	N/A	N/A	N/A	N/A
Tipping load - no counterweight	kg	1406	1590	1918	1915	2293	2471	2889	2989
Tipping load - full counterweight	kg	N/A	N/A	2030	2049	N/A	N/A	N/A	N/A
Loader lift capacity with bucket	kgf	1770	1570	1874	2083	2669	2747	2747	2747
Bucket tilt breakout force	kgf	1820	2140	1798	2222	2968	2968	2968	2968

HYDRAULIC PERFORMANCE - COMPACT TRACK LOADER

Machine model		SMALL PLATFORM				LARGE PLATFORM			
		150T	210T	215T	250T	270T	300T	320T	325T
SAE Cab operating weight (no counterweight)	kg	3691	4021	4127	4818	4991	5089	5248	5608
SAE Cab operating weight (1 pair suitcase weights)	kg	N/A	4067	4173	N/A	N/A	N/A	N/A	N/A
SAE Cab operating weight (2 pair suitcase weights)	kg	N/A	4112	4219	N/A	N/A	N/A	N/A	N/A
Rated operating capacity (ROC) 35% (no counterweight)	kg	680	841	955	1146	1235	1361	1452	1452
Rated operating capacity (ROC) 50% (no counterweight)	kg	972	1202	1365	1751	1812	1957	2074	2074
ROC with full counterweight	kg	N/A	885	970	N/A	N/A	N/A	N/A	N/A
Tipping load - no counterweight	kg	1943	2403	2729	3502	3624	3913	4148	4148
Tipping load - full counterweight	kg	N/A	2529	2771	N/A	N/A	N/A	N/A	N/A
Loader lift capacity with bucket	kgf	1770	1869	2083	2528	2634	2634	2634	2634
Bucket tilt breakout force	kgf	1820	2010	2243	2968	2968	2968	2968	2968

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).

	155/175/150T/210/215/210T/215T	250/270/300/330/250T/270T/300T/320T/325T
Standard flow	70 liters/min @ 2,730 rpm engine speed Main relief pressure 3335 psi (230 bar) HYD Power Low Flow (36.0 hp)*	90 liters/min @ 2,300 rpm engine speed Main relief pressure 3335 psi (230 bar) HYD Power Low Flow (46.7 hp)*
Optional auxiliary high flow	155/175/150T 100 liters/min HYD Power High Flow (51.4 hp)*	250/270/250T/270T 120 liters/min HYD Power High Flow (61.7 hp)*
Optional auxiliary high flow	210/215/210T/215T 115 liters/min HYD Power High Flow (59.1 hp)*	300/330/300T/320T/325T 125 liters/min HYD Power High Flow (64.2 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 155/175/210/215	kmh	12.0	12.0 / 18.5
Travel Speeds 250/270/300/330	kmh	10.9	10.9 / 20.0
Travel Speeds 150T/210T/215T	kmh	10.0	9.0 / 12.5
Travel Speeds 250T/270T/300T/325T/330T	kmh	9.2	7.7 / 12.5

ENGINE				
		SMALL PLATFORM		LARGE PLATFORM
		155/175/150T	210/215/210T/215T	250/270/300/250T/270T/300T/320T/325T
Engine model		Kohler KDI 1903TCR/26B	Kohler - KDI2504TCR/26A	EcoMAX TCAE-55
Displacement	cm ³	1860	2482	4399
Fuel		Diesel	Diesel	Diesel
Cooling		Liquid	Liquid	Liquid
Aspiration		Turbo	Turbo	Turbo
Gross Power @ 2400 rpm				
SAE J1995	kW (hp)	42 (56)	55 (74)	55 (74)
Gross Torque @ 1200 rpm				
SAE J1995	Nm	225	300	400
Starter motor	kW (hp)	2 (2.72)	2 (2.72)	4.2 (5.63)
Battery	V/Ah	12 / 109	12 / 109	12 / 109
Alternator	amps	100	100	95
Emission certification		EPA-T4F (EU St3B)	EPA-T4F (EU St3B)	EPA-T4F (EU St3B)
Engine oil service interval hours		500	500	500
Variable speed hydraulically driven fan		YES	YES	YES

TYRES / TRACKS	
TYRES	TRACKS
Standard – 155/175/210/215 10 x 16.5 - 8 PR Xtra Wall Off Road	150T/210T/215T 320 mm wide traction lug
Standard – 250/270/300 12 x 16.5 - 10 PR Xtra Wall Off Road	250T/270T/300T/320T/325T 400 mm wide traction lug
Standard – 330 14 x 17.5 - 12 PR Xtra Wall Off Road	Available track options 450 mm wide traction lug
155 / 175 / 210 / 215 Available tyre options	
11 x 16.5 - 10 PR All Terrain	
12 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 Off Road	
33 x 10 - 20 Solid with Aperture Slick Heavy Duty	
250 / 270 / 300 / 330 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 - 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 lap bar 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. 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.
- Unequaled all-around visibility.
- Fully adjustable seat.
- Retractable seat belt fitted as standard.
- Electric over hydraulic controls with either standard (3 way) joysticks or optional JCB multi-function (7-way) joysticks.

LIGHTING AND ELECTRICS

12v Negative ground system
1,000 cold cranking amp (CCA) battery

155/175/150T/210/215 /210T/215T 100 amp alternator and electronic throttle
250/270/300/250T/270T/300T/325T 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.



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