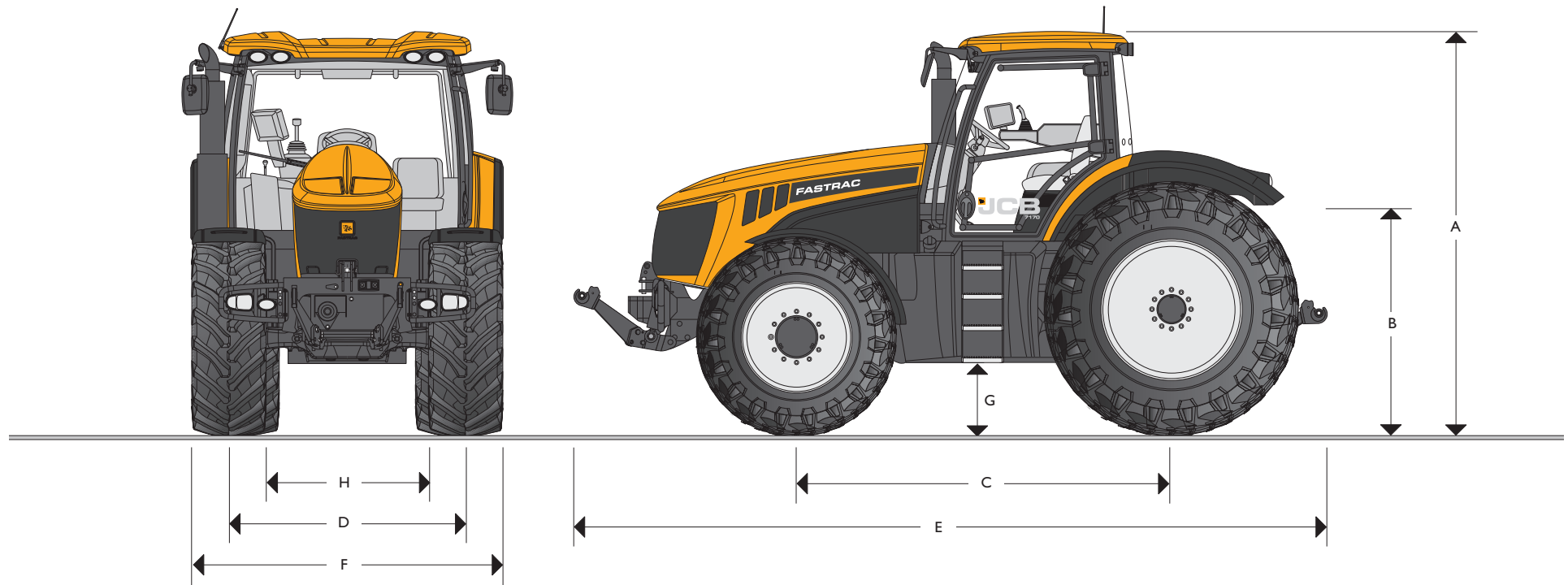


**ABS
BRAKING**

FULLY SUSPENDED WITH 4 WHEEL DISC BRAKING. JCB P-TRONIC TRANSMISSION.



STATIC DIMENSIONS

Tyres	600/70 R30 Front and 710/70 R42 Rear	Tyres	600/70 R30 Front and 710/70 R42 Rear
m (ft-in)		m (ft-in)	
A	Height to exhaust	3.23 (10-7)	
B	Height to deck	1.78 (5-9)	
C	Wheelbase	3.05 (10.0)	
D	Track width (front/rear)	1.93 (6-4) / 1.83 (5-10)	
E	Overall length	5.72 (18-9)	
F	Overall width	2.55 (8-4)	
G	Ground clearance	0.50 (1-8)	
H	Width between tyres	1.13 (3-8)	

**ENGINE**

Machine model	7170	7200	7230	7270	
Gross hp at rated speed	173	190	220	260	
Gross kW at rated speed	129	142	164	194	
Max gross	hp	178	195	230	270
Max gross	kW	133	145	172	201
Max torque	Nm	799	931	949	990
Max torque	rpm	1400	1400	1500	1500
Make	Cummins				
Model	QSB				
Rated engine speed	rpm	2200			
Injection	CM 850 Common Rail				
No of cylinders	6				
Capacity	cc	6702			
Bore	mm	107			
Stroke	mm	124			
Cooling	Water				
Air cleaner	Powercore dry element				
Aspiration	Turbocharged and intercooled				

SUSPENSION

All round hydro-pneumatic self levelling, with independent rear and combined front electronic ride height sensing.

ELECTRICAL SYSTEM

System voltage	Volt	12
Alternator output	Amp	160
Battery capacity	Amp hour	2 x 105

Electrical wiring – to IP67 standard.

CAPACITIES

	litres (UK gal)
Fuel tank	430 (132)
Hydraulic tank	130 (29)

HYDRAULICS

3 point linkage: Electronic draft/position intermix, rate of drop, adjustable lift height plus external lift and lower.

Front hitch (optional): Lift capacity at link ends – 3500kgs, Category II; Quick attach hook ends, folding arms.

Rear hitch: Category III; Quick attach hook ends, eye end top link.

Machine model	7170	7200	7230	7270	
Rear hitch capacity	kg	7000+*	8000+*	9000+	9000+

*9000kg optional



AUXILIARY HYDRAULICS

		Standard	Optional
Max oil flow	l/min	148	210
Flow at rated engine speed	l/min	132	187
Flow per slice	l/min	100	140

Operating pressure:	210 bar
Spool valves:	Electronic 4 position double acting with flow and time control, float position and zero leak.
Standard:	3 spool valves to the rear
Optional:	4 spool valves to the rear. Load sensing hydraulic connection. 1 or 2 front supplies. Front free flow return.
Couplers:	Deluxe Quick release/spill-off piped to reservoir (front and rear).
Pipework/hose:	BSP standard.

POWER TAKE OFF

Type:	Fully independent to front and rear (front optional), driven from main gearbox.
Actuation:	Electro-hydraulic.
Rear PTO speeds Option 1:	540rpm @ 1929 engine rpm 1000rpm @ 1997 engine rpm
Rear PTO speeds Option 2:	540rpm @ 1570 engine rpm 1000rpm @ 1997 engine rpm
Rear PTO output spline:	6 or 21 spline 1 3/8" diameter 6 or 20 spline 1 3/4" diameter (options)
Front PTO speed:	Front and rear always rotate at the same speed
Front PTO output spline:	6 1 3/8" diameter
Speed change:	By lever, 540: neutral. 1000rpm

PTO power:	7170	7200	7230	7270
hp	156	171	198	238
kW	116	128	148	177

AXLES

Type:	Beam with inboard (rear), outboard (front), epicyclic reduction.
Wheel mountings:	10 stud front axle 14 stud rear axle
Four wheel drive selection:	On the move engage/disengage using rocker switch.
Differentials:	Front and rear locking with electro-hydraulic soft engagement.

STEERING

Type:	Direct link re-circulating ball with power assistance and assistor ram.
Column:	Tilt and telescope adjustable.
Turning circle:	Kerb to kerb 13.8m on 540/75 R28 Front tyres

BRAKES

Type:	Outboard discs with twin calipers and ABS* on all four wheels.
Operation:	Air over hydraulic.
Park brake:	Independent disc on transmission output.
Park brake actuation:	Sprung on, air pressure off.
Trailer brakes:	Twin line air brakes. Single line hydraulic brakes for speeds up to 20mph. Air trailer brake automatically applied by tractor park brake. *ABS 12v trailer supply socket as standard.

*Territory dependant



TRANSMISSION

Semi-powershift with 24 forward, 9 reverse gears. Clutchless gear range changing with 3 transmission modes.

	Gear	Speed km/hr
Forwards	D6	69.0
	D5	57.6
	D4	48.3
	D3	40.1
	D2	33.3
	D1	27.6
	C6	22.9
	C5	19.0
	C4	15.9
	C3	13.2
	C2	11.0
	C1	9.1
	B6	12.2
	B5	10.1
	B4	8.5
	B3	7.1
	B2	5.9
	B1	4.9
	A6	4.4
	A5	3.6
	A4	3.1
	A3	2.5
	A2	2.1
	A1	1.7
Reverse	A1	1.7
	A3	2.4
	A5	3.5
	B1	4.6
	B3	6.7
	B5	9.7
	C1	8.7
	C3	12.6
	C5	18.1

600/70 R30 and 710/70 R42 tyres at rated engine speed (2200rpm).

VEHICLE WEIGHTS

Shipping weight with no fuel on 540/65 R34 front and 710/70 R38 rear tyres with no driver and no ballast.

	Front axle	Rear axle	Total
	kg	kg	kg
Machine with front weight tray	4320	4865	9185



WHEELS AND TYRES

4 welded wheels. Front dynamic and rear cab mounted enclosed fenders.

Factory fit	Front	Track mm (in)	Rear	Track mm (in)	Max Speed (kph)**
Trelleborg – TM800	540/65 R34	1990 (78)	710/70 R38	1830 (72)	69
Trelleborg – TM900	600/70 R30	1930 (76)	710/70 R42	1830 (72)	69
Trelleborg – TM800/900	540/65 R34	1990 (78)	710/70 R42	1830 (72)	69
Michelin – Xeobib	600/60 R30	1930 (76)	710/60 R42*	1830 (72)	65
Michelin – Axiobib	600/70 R30	1930 (76)	650/85 R38	1852 (73)	65
Goodyear – Optitrac R+	540/75 R28	1990 (78)	650/75 R38†	1886 (74)	69
Goodyear – Optitrac R+	600/70 R30	1930 (76)	650/85 R38	1852 (73)	69

* not available on 7230 or 7270 ** territory dependent † not available on 7270

Vehicle width is retained within 2550mm.

CAB

High specification, single door, full width, low noise.

Standard equipment includes:

Fully automatic climate control.

Air suspension seat with armrest mounted transmission and auxiliary controls.

Colour touch screen display, providing transmission information and setup capability.

Electronic spool valves.

Full dust filtration.

Tinted glass.

Front and rear wash wipe.

Electrically adjustable right hand rear view mirror.

Full road lighting equipment.

Auxiliary electrical and speed sensor sockets.

Full size passenger seat.

Lap belt for driver and passenger.

Side console illumination.

Slimline blue backlit dashboard.

Storage compartment.

Radio preparation with single DIN slot and four speakers.

Sun blind.

Cable access through rear window.

Rear fender mounted raise/lower and PTO cut out switches.

6 front and 4 rear worklights.

Headland management system.

OPTIONAL EQUIPMENT

Front linkage (Category II) with electronic control and external raise/lower.

Front PTO single output.

Four electronic spool valves.

Hi-flow hydraulics.

Load sensing hydraulic connection.

Front weight.

Rear deck weight.

1 or 2 front hydraulic services.

Front free flow return.

20 spline 1 3/4" PTO shaft.

6 spline 1 3/4" PTO shaft.

Radar and performance monitor.

Deluxe heated drivers seat.

Heated front and rear screens with heated and electric mirrors.

Left hand electrically adjustable mirror.

8 front and 6 rear worklights.

Xenon worklight package (2 front, 2 rear Xenon with 6 front, 4 rear standard).

In cab cooler/freezer.

Auxiliary audio input.

Deluxe double DIN radio preparation.

Interior rear view mirror.

Rear deck mounted toolbox.

Automatic rear linkage stabilisers.

750/1000 rpm PTO option.

Hook end top link.

GPS autosteer preparation.



A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into Britain's largest privately owned manufacturer of backhoe loaders, crawler excavators, wheeled excavators, telescopic handlers, wheeled loaders, dump trucks, rough terrain fork lifts, industrial fork lifts, mini/midi excavators, skid steer loaders, tractors and compaction equipment.

By making constant and massive investments in the latest production technology, the JCB factories have become some of the most advanced in the world.

By leading the field in innovative research and design, extensive testing and stringent quality control, JCB machines have become renowned all over the world for performance, value and reliability.

And with a global sales and service network of more than 650 dealers and agents, we aim to deliver the best customer support in the industry.

Through setting the standards by which others are judged, JCB has become one of the world's most impressive success stories.

