

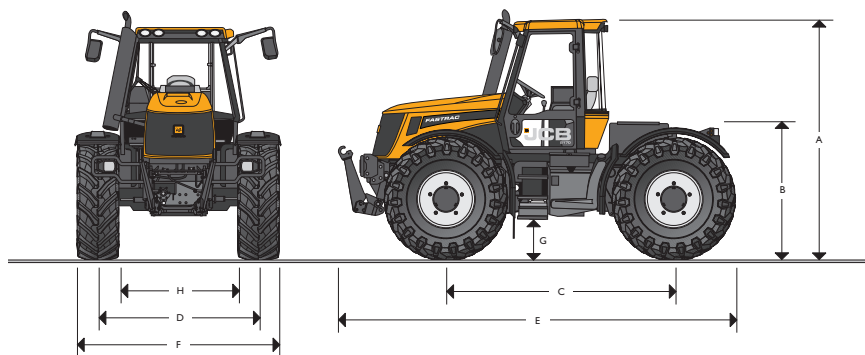


FAST FACTS

- FULL SUSPENSION**
 Three-link front suspension and hydro-pneumatic rear suspension giving unequaled traction, ride control and comfort.
- SMOOTHSHIFT TRANSMISSION**
 Multi-plate oil immersed main drive clutch, with three speed powershift, incorporating JCB 'Autoshift', and JCB 'Selectronic' range and direction control.
- HIGH PERFORMANCE POWER**
 High performance Cummins turbocharged engine with excellent torque back-up for minimal downshifting and increased overall productivity.
- HIGH COMFORT CAB**
 Full two man cab with air suspension driver's seat, air conditioning and excellent all-around visibility. JCB Electronic Monitoring System (EMS) providing an easy-to-understand assessment of the machine's key functions and performance.
- POWERFUL HYDRAULICS**
 Featuring Bosch 'Hitchtronic' with digital draft sensing and active wheel slip control. Auxiliary hydraulics provide flow control and float.
- MULTI-IMPLEMENT MOUNTING POINTS**
 The unique design of the JCB Fastrac allows implements to be mounted on the front, rear or on the deck for unrivaled weight distribution and productivity.
- AIR BRAKES**
 Full air-over-hydraulic, dual split brakes with twin line air trailer brake connectors as standard.
- 38 MPH ROAD SPEED**
 For unrivaled performance, operating flexibility and increased overall productivity.
- QUADTRONIC 4WS (OPTIONAL)**
 Five steer modes, including 2WS, proportional 4WS, true tracking 4WS, delay 4WS and crab steer, for ultimate maneuverability in all applications.



STATIC DIMENSIONS



STATIC DIMENSIONS

Tires	540/65 R30
	ft-in (m)
A Height to Cab	9-5 (2.87)
B Height to Deck	4-11 (1.50)
C Wheelbase	9-5 (2.88)
D Track Width	6-0 (1.83)
E Overall Length	17-0 (2.35)
F Overall Width	8-2 (2.49)
G Ground Clearance	1-4 (0.40)
H Width Between Tires	4-2 (1.27)

CLUTCH

Smoothshift multi-plate oil immersed. Clutch hydraulically clamped and electronically controlled.

SUSPENSION

Front: Coil spring and damper, microcellular secondary spring.
Rear: Hydro-pneumatic self leveling.

ENGINE

		2155	2170
Make	Cummins	Cummins	
Model		QSB 30	QSB 30
Rated Engine Speed	rpm	2200	2200
Rated Power	hp (kW)	150 (115.6)	170 (127)
PTO Power	hp (kW)	132 (98.4)	147 (110)
Max Torque @ 1500 rpm	lb-ft (Nm)	472 (641)	498 (675)
Injection		Direct	Direct
No of Cylinders		6	6
Capacity	l	6.7	6.7
Bore	in	4.21	4.21
Stroke	in	4.88	4.88
Cooling		Water	Water
Air Cleaner		Dual Dry Element	Dual Dry Element
Aspiration		Wastegate Turbocharged	Wastegate Turbocharged

ELECTRICAL SYSTEM

System Voltage	V	12
Alternator Output	A	160
Battery Capacity	A	1 x 115

CAPACITIES

	gal (l)
Fuel Tank	87 (330)
Hydraulic Tank	31 (120)



LINKAGES AND DRAWBAR

Rear 3 Point Linkage:	Electronic draft/position intermix, adjustable rate of drop, adjustable lift height, external lift and lower Category III with quick attach lower lift links and top link. Maximum lift capacity 13,200 lb (6,000 kg).
Front 3 Point Linkage (optional):	Category II with quick folding lower lift links and top link. 5,510 lb maximum lift.
Rear Drawbar:	Adjustable swinging drawbar for 540 and 1000 rpm PTO operation with bolt on clevis.

POWER TAKE OFF

Type:	Fully independent to front and rear (front optional)
Actuation:	Electro-hydraulic with rear external cut out switch.
Speeds:	540 rpm @ 1,894 engine rpm
PTO Power:	2,155-132 hp, (98.4 kW) 2,170-147 hp (110 kW)
Speed Change:	By in-cab lever, 540; neutral: 1,000 rpm Front and rear always rotate at same speed.
Output Shaft:	6 or 21 spline 1 ³ / ₈ in diameter.

AXLES

Both Axles:	Beam type with outboard epicyclic reduction hubs. 5 stud wheel retention.
Front Axle:	Four wheel drive selectable by rotary switch – electro-hydraulic sprung on/pressure off (on the move). No-spin differential.
Rear Axle:	Electro-hydraulic soft engage clutch.

AUXILIARY HYDRAULICS

Max Oil Flow:	26 gal/min (99 l/min)
Operating Pressure:	3,046 psi (210 bar)
Spool Valves:	Type A – Mechanical 4 position double acting, with flow control, zero leak and float position. Type B – Mechanical 4 position double acting with zero leak and float position.

Auxiliary Hydraulic Package		2155	2155 4WS/2170
1	Type A Type A 3 spool Type B	●	○
2	Type A Type A 4 spool Type B Type B	○	●

● = Standard ○ = Option

Couplers:	Deluxe Quick release/spill-off piped to reservoir.
Pipework/Hose:	BSP standard.

**STEERING**

Type: Hydrostatic twin ram actuation.
Optional Quadtronic 4WS.

Turning Radius			
Tire	Track in (mm)	2WS (ft-in)	4WS (ft-in)
480/70R30	72 (1830)	21-7	16-2
540/65R30	76 (1930)	22-4	18-2
480/70R30	80 (2015)	21-0	16-0

VEHICLE WEIGHTS

Based on 2140 with full fuel and hydraulic tanks, no driver and no ballast and fitted with 480/70R30 tires.

	Front Axle	Rear Axle	Total
	lb	lb	lb
Base Machine	8300	6790	15,090
+ Front Linkage/PTO	8584	7032	15,608

TRANSMISSION

54 forward, 18 reverse gears. 6 gear manual synchromesh gearbox. Low, medium, high, reverse synchromesh range box with JCB Smoothshift and Autoshuttle features. 3 speed JCB Autoshift clutchless splitter with manual and automatic modes. Forward speeds @ rated engine speed (mph):

		2155/2170		
		Snail	Tortoise	Hare
		mph	mph	mph
High	6	25.6	30.75	37
	5	19.76	23.7	28.5
	4	13.8	16.5	19.8
	3	9.1	11.0	13.2
	2	5.8	7	8.5
	1	3.4	4.1	4.9
Medium	6	14.7	17.6	21.2
	5	11.3	13.6	16.3
	4	7.9	9.5	11.4
	3	5.3	6.3	7.6
	2	3.4	4.0	4.9
	1	1.4	2.4	2.8
Low	6	5.1	6.1	7.4
	5	4.0	4.7	5.7
	4	2.7	3.3	4.0
	3	1.9	2.2	2.7
	2	1.2	1.4	1.7
	1	0.7	0.8	1.0
Reverse	1	1.2	1.4	1.7
	2	2.0	2.4	2.9
	3	3.2	3.8	4.5
	4	4.7	5.7	6.8
	5	6.8	8.2	9.8
	6	8.9	10.6	12.8

Speeds are based on machines fitted with 540/65R30 tires.



REAR LOAD PLATFORM/STOWAGE

Maximum Dimensions:	4 ft 1 in x 7 ft 5 in (1.25 x 2.25 m)
Capacity:	5,511 lb (2,500 kg) 7,165 lb (3,250 kg) with heavy duty suspension cylinders.
Sprayers:	As approved by JCB up to 525 gal (2,000 liters) and 80 ft (24 m) booms.
Note:	All deck mounted equipment currently fitted to other JCB Fastracs will fit this machine with minimum modification.
Deck Tray:	Hinging plastic deck tray.

CAB

High specification, operator and buddy seat, 2 door, low noise.

Standard Equipment Includes:

Air conditioning and heating	Dust filtration
Air suspension driver's seat with lap and diagonal seat belts	Tinted glass
Fixed passenger seat with lap and diagonal seat belts	Full rear view door mirrors
Front and rear windshield washer/wiper	Full road lighting
Side console illumination	12 V beacon socket
In-dash lighter and ash tray	Digital clock
JCB 'EMS' Electronic Monitoring System	Radio ready
Sun shade	Rear opening window with cable access
Tilt steering column	In-cab 12 V power socket
12 V positive and negative binders	Transmission speed auxiliary output

WHEELS AND TIRES

4 equal sized, welded wheels.

	Rate	Track in
480/70R30	D/E	72 / 76
480/70R30	D/E	80
540/65R30	D	72 / 76

Dual wheels are permitted to be fitted to the rear axle only. Tire load speed rating and axle plated weight must not be exceeded under any circumstances. If in doubt refer to the operator's handbook or tire supplier.

OPTIONAL EQUIPMENT

Front linkage (Category II)
Front PTO (single output)
Front PTO (limited power bi-directional)
4 pairs auxiliary hydraulic services (standard with Quadtronic 4WS 2170)
Hydraulic flow divider (rear)
Front weight set (1,410 lb (640 kg))
Rear deck weight (2,420 lb (1,100 kg))
Rear deck weight, with additional weight set (3,830 lb (1,740 kg))
Heavy duty rear suspension cylinders (7,165 lb (3,250 kg))
1 pair auxiliary hydraulic services (front – T-spool 3)
Hydraulic free flow return (front)
6 spline 1³/₄ in PTO output shaft
Quadtronic 4WS



A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into one of the world's largest manufacturers 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 and tractors.

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 an extensive dealer sales and service network in over 150 countries, 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.



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