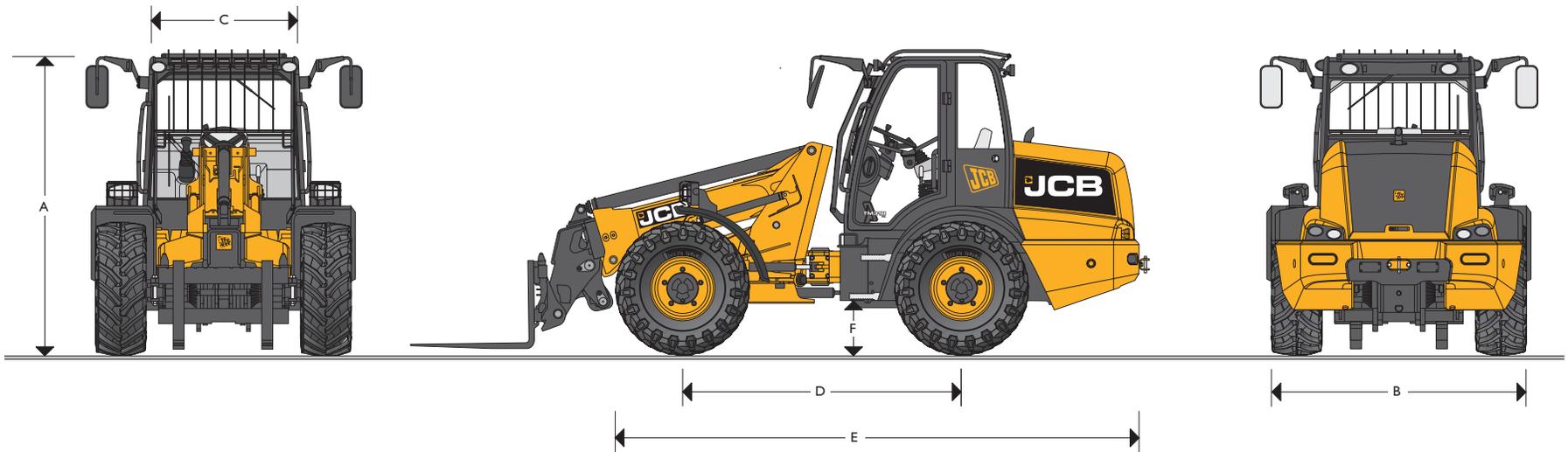




MAX ENGINE POWER: 125hp (93kW) MAX LIFT HEIGHT: 17ft 1in (5200)mm



### STATIC DIMENSIONS

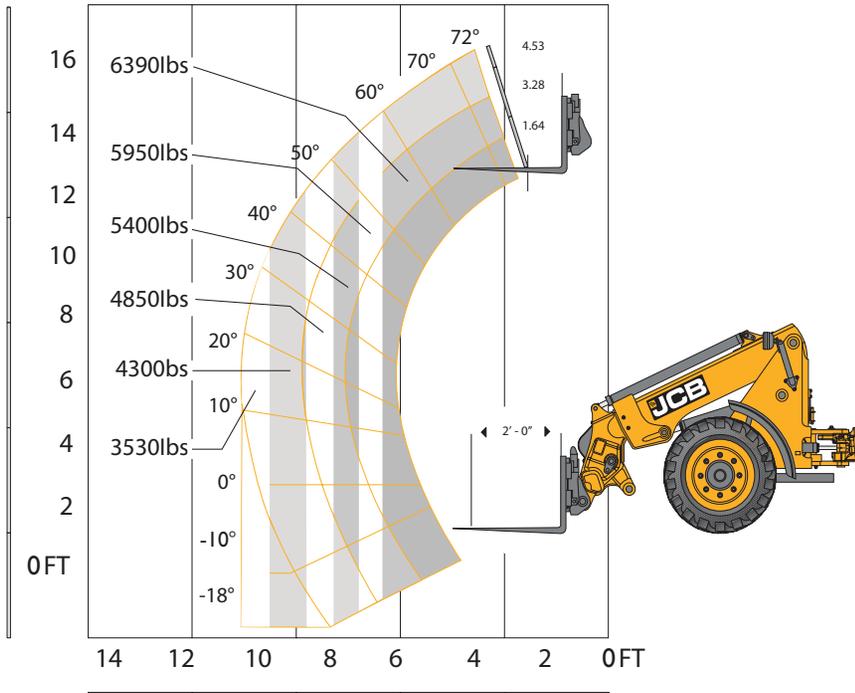
Machine model	TM320
	ft-in (mm)
A Overall Height	8-10 (2695)
B Overall Width (over tires)	7-8 (2344)
C Inside Width of Cab	4-2 (1267)
D Wheelbase	8-2 (2500)
E Overall Length to Front Tires	15-6 (4715)
F Ground Clearance	1-5 (444)

Machine model	TM320
Articulation angle	degrees ± 34°
Outside turn radius (over tires)	ft-in (mm) 14-3 (4382)
Departure angle	degrees 28
Weight	lb (kg) 17,627 (8000)
Tires	XMCL 460/70 R24

\*Dependant upon tires specification.



LIFT PERFORMANCE – TM320



LIFT PERFORMANCE

Machine model		TM320
Max Lift capacity 24" load centers	lb (kg)	6390 (2904)
Max lift capacity 20" load centers	lb (kg)	7040 (3200)
Lift Capacity to Full Height	lb (kg)	6390 (2904)
Lift Capacity at full Reach	lb (kg)	3530 (1604)
Lift Height	ft-in (m)	17-1 (5.2)
Reach at Maximum Lift Height	ft-in (m)	4-6 (1.38)
Maximum Forward Reach	ft-in (m)	9-10 (3.0)
Max Lift capacity 24" load centers	lb (kg)	6390 (2904)

ENGINE - TM320 EcoMAX Tier 4i

The JCB EcoMAX engine is so efficient that it complies with Tier 4i without the need for exhaust after-treatment systems. This is because its high pressure common rail combustion system, produces virtually no particulate matter in its exhaust gases.

High Pressure Common Rail Fuel Injection - injects fuel at high pressure, up to 29,010 psi (2000bar,) with extremely precise control.

Variable Geometry Turbo Charger (VGT) allows precise control of the quantity of air entering the engine, to match the fuel injected in optimizing combustion efficiency.

Exhaust Gas Recirculation (EGR) recirculates a portion of exhaust gases back into the combustion chamber, reducing NOx emissions.

Model Machine		TM320
Manufacturer		JCB
Model		ECOMAX
Displacement	Ltr (in³)	4.4 (269)
No. of cylinders		4
Bore size	mm	103
Stroke	mm	132
Aspiration		Turbocharged/charge cooled
<b>Power rating</b>		
Power 2200rpm	Hp(kW)	125 (93)
<b>Torque rating</b>		
Torque @ 1500rpm	Nm(lbf ft)	550 (406)

TRANSMISSION

JCB 6 speed transmission incorporating torque converter. 6 speed powershift gearbox with torque lockup in 4th, 5th and 6th. 2 operating modes: Auto and manual. Travel speed 25mph. Transmission kick down. Gear change and forward reverse controlled from loader joystick. Front and rear drive axles: JCB epicyclic hub reduction drive/axles with Max-Trac torque proportioning rear axle differential and limited slip differential in front axle.

BRAKES

**Service Brake:** Power assisted hydraulic activated, self adjusted, oil immersed in board multi disc front axle brake. Providing braking on all wheels.

**Parking Brake:** Hand operated disc brake on output shaft of gearbox mounted internally.



## BOOM AND CARRIAGE

Boom is manufactured from high tensile steel. Low maintenance. Hard wearing pads. One boom end auxiliary hydraulic service fitted as standard.

JCB Q-fit carriage fitted as standard.

## SAFETY

Safety check values fitted to carriage tilt; telescopic and boom lift rams.

## SERVICE CAPACITIES

Fuel tank	gal (l)	42 (160)
Hydraulic tank	gal (l)	25 (97)
Hydraulic system	gal (l)	35 (135)
Engine coolant system	gal (l)	6.5 (25)

## HYDRAULICS

Pump type		Variflow piston pump
Pump max flow @ 2200rpm	gpm (l/min)	37 (140)
Pump max pressure	psi (bar)	3336 (230)
<b>Hydraulic cycle times</b>		<b>seconds</b>
Boom raise		6.0
Boom lower		4.4
Extend		4.0
Retract		2.6
Bucket dump		2.6
Bucket crowd		3.0

Proportional auxiliary control operated by joystick with constant flow setting.

## ELECTRICS

**System voltage:** 12V. Alternator output - 95Ah. Battery Capacity - 120Ah. Full roading lighting. Reversing light. Direction indicators.

**Front worklights:** (2 off). Rear Worklights (2 Off). Battery Isolator.

## STANDARD EQUIPMENT

**Bodywork:** Recovery hitch, Plastic front fenders.

**Cab:** Rear centrally mounted ROPS and FOPS safety structure. Fully adjustable mechanical suspension seat. Adjustable steering column. Full digital instrumentation including engine & transmission temperature, fuel and speedo. Audible / visual warning panel. Tinted laminated safety glass. Front & rear screen wash / wipe. 3 speed heater with replaceable air filter. LH & RH opening doors. Adjustable single lever hydraulic boom control console. Column mounted single lever transmission selector. Combination stalk controls for lights, wipers, horn, direction indicators. Seperate side console for auxiliary switches. Interior light, external rear view mirrors and fire extinguisher as standard. Front screen roller blind, top screen roller blind, interior mirror, standard exterior mirrors. Reverse alarm.

**Steering:** 43° articulation steering with double acting hydrostatic system. Priority steer valve. Emergency steering via internal hydraulic system in case of power failure.

## OPTIONS AND ACCESSORIES

Air conditioning, smooth ride system, Q-fit Carriage, air suspension seat, additional front & rear working lights; loader boom light, twin reverse light kit: sliding door window (LH & RH), quickhitch isolator. Scavenge System, top screen guard, tooth guard rotating beacon, exterior deluxe mirror. Attachments: Contact your local dealer for comprehensive range.

**Wheels and tires:** Michelin XMCL 460/70 R24



## 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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