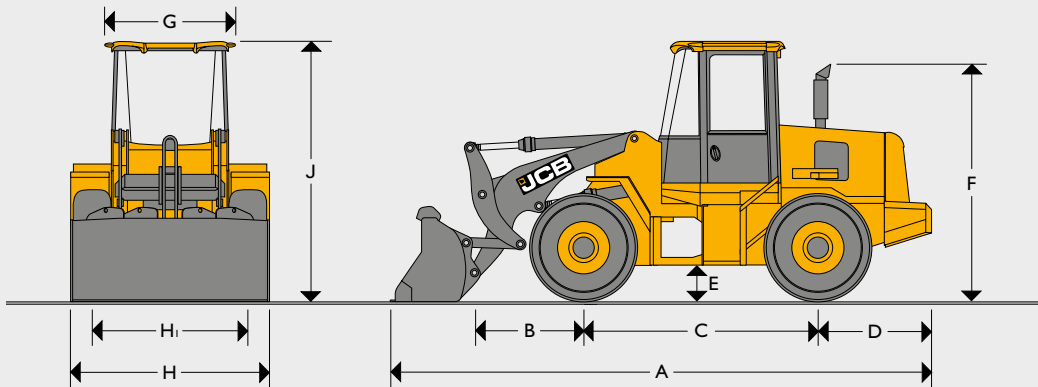


STATIC DIMENSIONS

Standard operating weight: 11900kg (24912lb) Maximum engine power: 125hp (93kW) Standard loader capacity: 1.7m³



Machine model	422ZX		
A Overall length with standard bucket	mm		6720
B Axle to pivot pin	mm		1392
C Wheelbase	mm		2850
D Axle to counterweight	mm		1398
E Minimum ground clearance	mm		431
F Height over exhaust	mm		2902
G Width over cab	mm		1229
H Width over tyres	mm		2290
Hi Wheel track	mm		1846
J Height over cab	mm		3156

ENGINE

Model	JCB TCAE 93kW
Type	4 stroke, direct injection
Aspiration	Turbo charged
No. of cylinders	4
Bore/Stroke	103 X 132mm
Displacement	4.4 Litres
Gross Power	93kW (125hp)
Max. Torque	525Nm @1300rpm
Emission	Tier-2 conforms to CMVR norms

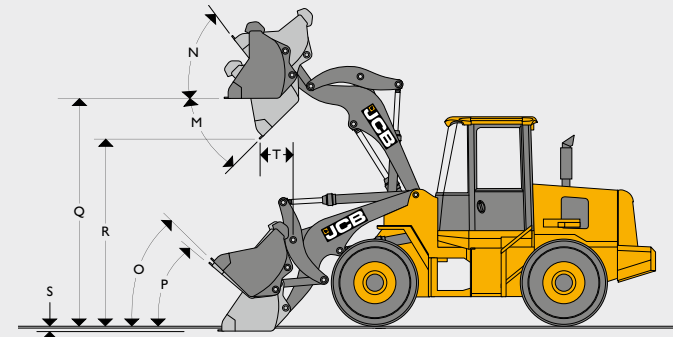
SERVICE CAPACITIES

Hydraulic system	litres	125
Fuel tank	litres	195
Engine coolant	litres	23
Engine oil	litres	14
Transmission	litres	21
Rear axle	litres	23
Front axle	litres	23

SPEED

Maximum speeds in each gear	Forward (kph)	Reverse (kph)
1st	5.66	5.96
2nd	11.07	11.66
3rd	19.95	20.9
4th	32.72	-

PERFORMANCE DIMENSIONS



M Dump angle maximum	45°	Bucket width	mm	2348
N Roll back angle at full height	52°	Bucket weight - with tooth	kg	875
O Roll back angle at carry	46.5°	Payload	kg	3300
P Roll back angle at ground level	42°	Tipping load straight	kg	7500
Q Load over height	mm	Tipping load full turn	kg	6600
R Dump height (45° dump)	mm	Maximum breakout force	kgf	10379
S Dig depth	mm	Reach maximum (45° Dump)	mm	1800
T Reach at dump height	mm	Pin height maximum	mm	3794
Bucket capacity (SAE heaped)	m ³	Inside turn radius	mm	2809
Bucket capacity (struck)	m ³	Maximum turn radius	mm	5658

BRAKES

Service: Hydraulic power braking on all wheels operating pressure 40 bar. Dual circuit with accumulator back-up provides maximum safety under all conditions. Outboard mounted, oil immersed, multi-plate disc brakes.
Parking: Mechanical disc type operating on front axle shaft.

STEERING

Q-Amp hydraulic system with integrated priority valve operating at 190 bar to provide low effort and smooth response. Steer ram located high in chassis to provide protection from damage. Adjustable steering column. Steering angle: ± 40°

TYRES

Standard: 17.5x25 (20PR) E3/L3 (heavy duty - trac XL). Manufacturer: Ceat India.

ELECTRICS

24 volt negative ground system, 55 amp alternator with 2 X110 AH low maintenance batteries. Ignition key start/stop. Other electrical equipment includes 2 front and 2 rear work lights, rear registration plate lights, parking lights, direction indicators.

HYDRAULICS

Twin gear pump directly mounted on transmission. Twin spool remote mounted valve block with float. Main services are servo actuated from hydraulic remote lever (joystick) and loader control through accumulator back-up hydraulic supply unit. **System pressure:** 245 bar

LOADER

Heavy-duty three-ram geometry (Z bar linkage) providing high breakout forces with excellent loading characteristics. The pin, bush and sealing design on all pivot pins provide extended maintenance intervals.

TRANSMISSION

4-wheel drive, automatic powershift transmission, electrically operated selector and gear change incorporating a speed inhibitor and modulation for responsive on-the-move direction and ratio changes. Single stage integral torque converter. **Type:** Automatic Powershift **Make and model:** ZF4WG-115

AXLES

Type: Planetary hub reduction **Make and model:** ZF MTL 3065-11 front and rear
Overall axle ratio: 23.68:1 **Rear axle oscillations:** ± 12°