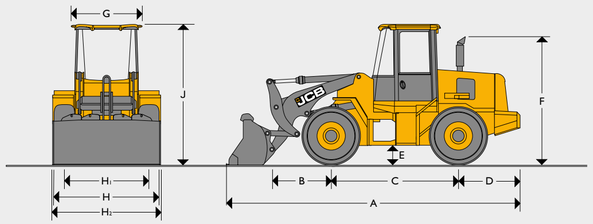
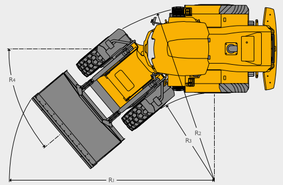
STATIC DIMENSIONS



A	Overall length (with standard bucket)	mm	7345
B	Axle to pivot pin	mm	1140
C	Wheelbase	mm	3000
D	Axle to counterweight face	mm	1901
E	Maximum ground clearance*	mm	410
F	Height over exhaust	mm	3192
G	Width over cab	mm	1688
H	Width over tyres	mm	2495
H_1	Wheel track	mm	1955
H_2	Max width over fenders	mm	2504
J	Height over cab	mm	3252
J_1	Height over raised beacon	mm	3677
	Front axle weight	kg	5640
	Rear axle weight	kg	6422
	Total weight	kg	12062

Data based on machine equipped with direct mounted 2.1 m^3 bucket with toe plates and 20.5 / 255 tyres.
* Ground clearance figures may vary depending on the tyres fitted.



R_1	Maximum turn radius over shovel	mm	5940
R_2	Maximum turn radius over tyre	mm	5369
R_3	Inside turn radius	mm	2875
R_4	Articulation angle	degrees	40

TRANSMISSION

Type		4-wheel drive, powershift	
Gear		ZF	
		4WG-130	
		Forward	Reverse
1	kph	6.7	6.3
2	kph	11.5	11.6
3	kph	21.0	21.0
4	kph	31.0	N/A

ENGINE

Manufacturer		Cummins
Model		6B TA-A 5.9 C-150C
Capacity	litres	5.9 ltr
Aspiration		Turbocharged
Cylinders		6
Max gross power to SAE J1995/ISO 14396	kW (hp) @ 2200 rpm	112kW (150hp)
Nett power to ISO 9249	kW (hp) @ 1600rpm	100kW
Max torque	Nm @ 1500rpm	650Nm
Valves per cylinder		4
Air cleaner		2 stage (Radial seal type)
Fan drive type		Hydraulic driven
Emissions		Tier III

AXLES

Type		Limited slip differential epicyclic hub reduction
Make and model		Graziano PR10 front and rear
Overall axle ratio		24.1:1
Rear axle oscillation	degrees	11

ELECTRICAL SYSTEM

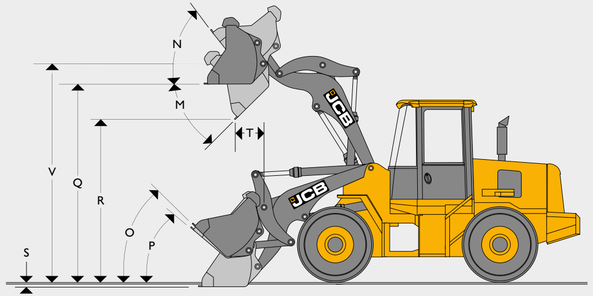
System voltage	Amps	24
Alternator output	Amp hour	45
Battery capacity	Amp hour	2 x 110

Connectors to IP67 standard

HYDRAULICS

Pump type		Piston type variable displacement
Pump 1 maximum flow	l/min	176 l/ min
Pump 1 maximum pressure	bar	245 bar
Hydraulic cycle times at full engine RPM		
Arms raise (full bucket)	Seconds	6.0 max
Shovel dump (full bucket)	Seconds	1.6 max
Arms lower (empty bucket)	Seconds	3.1 max
Total cycle	Seconds	10.7

Variable displacement piston pump feed and 'load sensing' system providing a fuel efficient and responsive distribution of power as required.
Main services are servo actuated from a single lever (joystick) or electronic actuated from a multi lever loader control.
Auxiliary circuit controlled via proportional switch on single lever and additional lever on multi lever control.
Accumulator back-up is available to control loader in the event of loss of pump pressure.



SERVICE FILL CAPACITIES

Hydraulic system	litres	210
Hydraulic tank	litres	170
Fuel tank	litres	210
Engine oil	litres	15
Transmission	litres	30
Front axle	litres	26
Rear axle	litres	26
Engine coolant	litres	40

CAB	In-cab noise level – 78dB
STEERING	Priority steer hydraulic system with priority valve operating at 170–180 bar. Adjustable steering column. Steering angle: ±40 deg.
BRAKES	Service: Hydraulic power braking on all wheels operating pressure 65 bar. Dual circuit with accumulator back-up. Outboard mounted, oil immersed, multi-plate discs brakes. Parking: Mechanical disc type operating on transmission output shaft.

TYRE SIZE

Tyre size	Manufacturer	Type	Rating	Operating weight kg
20.5 / 25	BKT	Bias Type	16 PR	12062

LOADER DIMENSIONS

	Model		432ZX PLUS	432ZX PLUS	432ZX PLUS	432ZX PLUS
	Bucket mounting		Direct Mounted Shovel	Direct Mounted Shovel	Direct Mounted Shovel	Direct Mounted Shovel
	Bucket type		General Purpose	General Purpose	General Purpose	General Purpose
	Bucket equipment		Bolton Teeth	Welded Teeth	Weld on Teeth	Bolt on Toe Plate
	Bucket capacity (SAE heaped)	m^3	2.1	2.3	2.7	3.4
	Bucket capacity (struck)	m^3	1.75	1.91	2.25	3.01
	Bucket width	mm	2700	2700	2780	2894
	Bucket weight – with tooth		973	1171	1260	1341
	Maximum material density	kg/m^3	1738	1550	1280	980
	Tipping load straight	kg	8264	8037	7811	7471
	Tipping load full turn	kg	7300	7100	6900	6600
	Payload	kg	3650	3550	3450	3300
	Maximum breakout force	kN	132	126	116	99
M	Dump angle maximum	degrees	43.5	43.5	43.5	43.5
N	Roll back angle full height	degrees	52	52	52	52
O	Roll back at carry	degrees	42.7	42.7	42.7	42.7
P	Roll back at ground level	degrees	37	37	37	37
Q	Load over height	mm	3601	3651	3651	3618
R	Dump height (45deg dump) (dump height max dump in spec sheet)	mm	2783	2815	2753	2732
S	Dig depth	mm	47	20	20	20
T	Reach at dump height	mm	1112	1165.5	1231.5	1184.5
V	Pin height	mm	3891	3891	3891	3891
	Reach maximum (45deg dump) horizontal arm	mm	1844	1900.5	1964.5	1917.5
	Operating weight (includes 75Kg operator and full fuel and Urea tanks)	kg	12062	12260	12349	12430