



AUMAN EST



Cummins Engine



ZF Transmission

Specifications

Model		BJ4189TA	BJ4189T1	BJ4259
PERFORMANCE	Axle Configuration	4x2		6x4
	Permissible GVW / GCW (kg)	19,000 / 55,000		25,000 / 90,000
	Minimum Turning Radius (m)	8.5		9.0
	Rated Max. Speed / Gradeability	110 (km/h) / 45%		110 (km/h) / 30%
ENGINE	Make and Model	Cummins ISGe3-380	Cummins ISGe3-430	
	Type	Sculpture light weight compact block design, Diesel, Turbocharged intercooled, Four-stroke		
	Number of Cylinders / Emission Standard	6 cylinders in-line / Euro-3		
	Bore x Stroke (mm) / Compression Ratio	(132 x 144) mm / 17.1 : 1		
	Total Piston Displacement (cc)	11,800 cc		
	Rated Max. Output (HP)	380HP (279KW) @ 2,000rpm	430HP (316KW) @ 2,200rpm	
	Rated Max. Torque (N-m)	2,000N-m (203.9kg-m) @ 1,000rpm - 1,300rpm	2,200N-m (224.3kg-m) @ 1,000rpm - 1,400rpm	
	Fuel Injection System	ECU controlled common rail, BOSCH, Patented Cummins XPI high pressure injection system		
	Lubrication / Cooling System	Integrated within the block design, Lubricant forced feed by gear pump / Water cooled		
	Cooling Fan	Electric controlled cooling fan with V-Ribbed Belts		
Special Features	Load-Based Speed Control System (LBSC), Nanonet fuel filter, StrataPore with pre-loaded chemical additives oil filter			
TRANSMISSION	Make and Model	ZF Transmission, ZF16S2230TO		
	Type	16 forward speeds & 2 reverse speeds, Fully synchromesh aluminium casing		
	Gear Ratios	1st : 13.80 2nd : 11.54 3rd : 9.49 4th : 7.93 5th : 6.53 6th : 5.46 7th : 4.57 8th : 3.82 9th : 3.02 10th : 2.53 11th : 2.08 12th : 1.74 13th : 1.43 14th : 1.20 15th : 1.00 16th : 0.84 Rev-1 : 12.92 Rev-2 : 10.80		
	Gear Shift	Mechanical linkages remote control, come with power shift assistance		
Axle Final Reduction Ratio	3.70 with Differential lock		4.20 with Differential lock	
CHASSIS	Clutch System	Dry single disc, Diameter 430mm, Hydraulic air power booster assistance		
	Front Axle	Forged Reverse Elliot "I" beam		
	Front Spring (Width x Length x Leaves)	Long parabolic spring (90mm x 1,800mm x 3pcs)		Heavy-duty semi elliptic leaf spring (90mm x 1,800mm x 9pcs)
	Rear Axle	Full floating pressed steel, Banjo housing, Hypoid gear		Full floating pressed steel, Double reduction, Inter-axle lock
	Rear Spring (Width x Length x Leaves)	Heavy-duty semi elliptic leaf spring (Main: 80mm x 1,800mm x 4pcs; Helper: 80mm x 1,500mm x 3pcs)		Trunnion mounted semi elliptic leaf spring (89mm x 1,700mm x 12pcs)
	Stabilizer Bar	Heavy-duty at Front and Rear		
	Shock Absorbers	Telescopic double acting at Front and Rear		Telescopic double acting at Front
	Tyres (Front / Rear)	295 / 80R22.5, 7pcs		315 / 80R22.3, 11pcs
	Wheel Rim	Pressed tubeless steel rim, 9.00R22.5, ISO 10-studs		
	Steering System	Hydraulic power assistance		
	Service Brake	Air braking dual circuits with Anti-lock Braking System (ABS), assisted by auxiliary braking system		
	Brake Type (Front / Rear)	Drum / Drum, Self adjusting brake		
	Parking Brake	Pneumatically controlled spring brake acting at rear wheels		
	Auxiliary Brake	Exhaust brake (2-stages) integrated with ECU controlled engine brake		
	Frame (Height x Width x Thickness)	Channel ladder (225 / 286mm x 80mm x 8mm)		Channel ladder (225 / 286mm x 80mm x 8+5mm)
Fuel Tank Type	450-L, Aluminium with lock, Anti-spill device			
ELECTRICAL	Electrical System	24-volt		
	Battery	156AH, 2pcs		
	Alternator	Cummins, 110Amp, 28V, Driven by V-Ribbed Belts		
	Starter Motor	Cummins, 7.5KW, 24V		
CABIN	Cabin	Wide spacious, High roof, Electric remote control tilting cabin, Electric remote control rear view mirror, Driver and Assistant seat with safety belt, Sleeping berth (double decker, 2pcs), Electric remote control roof ventilator, Wide storage compartment		
	Cabin Suspension	Full air suspension cabin, SACHS air bellows, 4pcs		
	Instrument Cluster Meter	On-board diagnosis meter, Meters, Gauges, Warning indicator lights and buzzers, Fuel consumption data reader		
	Warning Indicator	Low oil pressure warning, Signal indicator, Battery charging warning indicator, Exhaust brake indicator, Parking brake indicator, High beam light indicator, Hazard light indicator, Low fuel indicator, Safety belt		
	Meter & Gauge	Speedometer, RPM meter, Fuel gauge, Temperature gauge, Oil pressure gauge, Air pressure meter		
ACCS.	Standard Fitment	Air conditioning, Audio system with USB port, Alarm and door remote control system, Long sun visors (2pcs), Speed limiter, Day running light, Air foil and Dam, Fifth wheel coupler		
	Optional Fitment	Transmission PTO		
WEIGHT (KG)	Chassis with Cab Curb Weight	7,600		10,350
	Designed GVW / GCW	20,500 / 55,000		35,000 / 90,000
	Designed Axle Load (Front / Rear)	6,500 / 13,000		7,500 / 13,000
	Designed Rear-Rear Axle Load	-		13,000
DIMENSIONS (MM)	Wheelbase (WB)	3,600		3,300 + 1,350
	Overall Length (OL) x Overall Width (OW)	6,400 x 2,490		6,950 x 2,490
	Overall Height (OH)	3,840 (with Air foil); 3,500 (without Air foil)		
	Axle Tread [Front (FT) / Rear (RT)]	2,010 / 1,804		2,005 / 1,804
	Overhang [Front (FOH) / Rear (ROH)]	1,450 / 1,005		1,450 / 850

NOTE: As product improvements may be introduced at any time, specifications are subject to change without prior notice.