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 / 1,080	1,450 / 850

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

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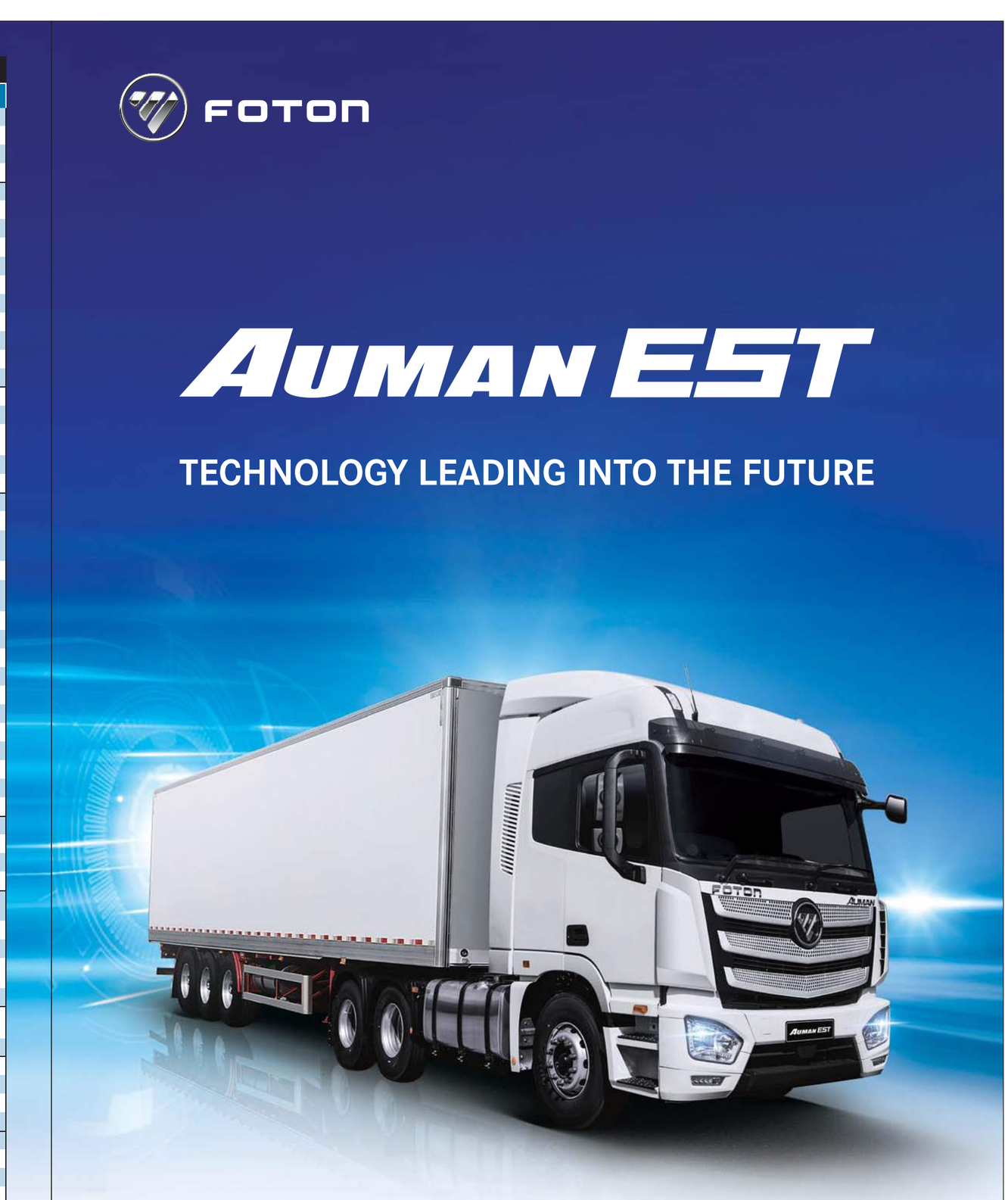
FOTON

AUMAN EST

TECHNOLOGY LEADING INTO THE FUTURE



Cummins Engine

ZF Transmission

AUMAN EST

TECHNOLOGY LEADING INTO THE FUTURE

Auman EST is a high-tech heavy duty truck developed and equipped with World Leading technologies from America, Germany and China as well as leading supply chain system. The new Auman EST is powered by Cummins ISG 12L engine, ZF's latest TraXon transmission and the technical advantages of Foton Super Truck Global Innovation Alliance to meet punctual, high efficiency, long distance and high added value freight logistics customer requirements.

'High intelligence, high fuel conservation, high safety and high efficiency' are the highlights of this truck. Foton is certain to be the new drive for the intelligent trend of the global commercial vehicle, and to accelerate the advent of global super truck era.

Super Smart

Advanced CAN-BUS technology of Continental AG

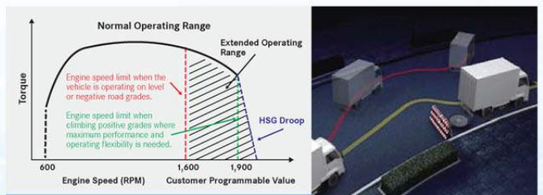
Modularized and electronic architecture platform of CAN-BUS technology enable ECU controlled the emission level and safety related systems.

Intelligent brake control system (iBrake)

ECU intelligently controlled each brake systems to achieve optimum brake force balance according to the vehicle operating conditions.

I-Telligent System-Load Based Speed Control (LSBC)

LSBC controlled the engine revs according to load, road condition and vehicle speed to improve the fuel consumption.



LOAD BASED SPEED CONTROL (LSBC)

Super Fuel Efficient

Advanced fuel-efficient engine

Cummins ISG engine improved fuel consumption and emission significantly.

Advanced continental technology

Flat torque engine at low revs with wide RPM range will increase 2% transmission efficiency and fuel economy.

Modularized and lightweight design

Equipped with high powered sculpture light weight compact Cummins engine, aluminium alloy ZF transmission, fuel tank and other lightweight materials.

Drop resistance design

Newly-styled body, CFD aerodynamics optimization, low drag and low rolling resistance design of vehicle.

NOTE: All images in the brochure are for illustration purposes only. Specification of each model are detailed in specification page.

Ultrahigh Quality

Global manufacturing standard

Vehicle manufactured in global digital paradigmatic factory with TOS+ management system, advanced manufacturing facilities and technologies, and the harshest testing & certification to ensuring the high quality of products.

High quality KISSLING main power switch

KISSLING (Germany) main power switch guarantee the electrical safety of vehicle and ensure it is highly reliable.

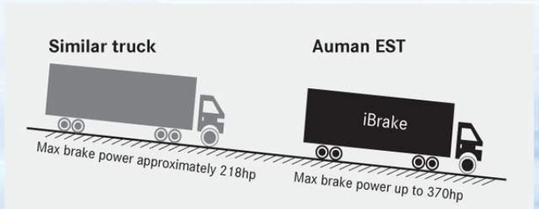
Super Safety

Meet UNECE R-13 (Braking test regulation)

- Anti-lock Braking System (ABS) and Acceleration Slip Regulation (ASR) as leading intelligent configuration improved driver comfort and reduce driving fatigue.
- Powerful engine compression braking technology (iBrake) with max braking power of up to 370HP able to control vehicle speed effectively on all extreme road conditions, extend the service life of brakes and tyres.

Meet UNECE R-29-03 (Crash test regulation)

- European standard, cabin made of 1mm high tensile steel and full air bellow suspension cabin, can integrally move backwards for 200mm when a crash occurred.
- Equipped with large solid bumper, LED day running light, high intensity headlamp, anti-mud angle plate to improve the driving safety.



Powerful Engine Compression Braking Technology

Extra Comfort

Spacious cabin

Spacious and wide high roof cabin with improved driving comfort and movement freely inside the cabin.

Ergonomic interior design

Designed with user friendly wrap-around dashboard, practical and convenient features such as lumbar support air bellow driver seat and foldable co-driver seat, electric adjustable rear-view mirror and ultra-wide bunk beds. Vehicle cabin can be tilted to 70 degree for ease maintenance.

Meet UNECE R51-03 (Noise emission test regulation)

Full air suspension cabin with good sound proof sealing reduced interior noise and effectively improved the driving comfort.

Foton Total Care

Backed by Tan Chong's Group service network

- Vast Service Network
- Driver Development Training
- Provide Genuine Parts
- 24/7 Breakdown Service
- One-Stop Repair & Insurance Service

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