

ISUZU GIGA

425 EXY



AT A GLANCE:

GVM RATING:	24,000 kg
GCM RATING:	50,000 kg (highway use)
ENGINE TYPE:	Isuzu SiTEC 425
DISPLACEMENT:	15.7 litres
MAX. POWER:	316 kW @ 1,800 rpm
MAX TORQUE:	2,058 Nm @ 1,100 rpm
WHEELBASE:	3,885 mm

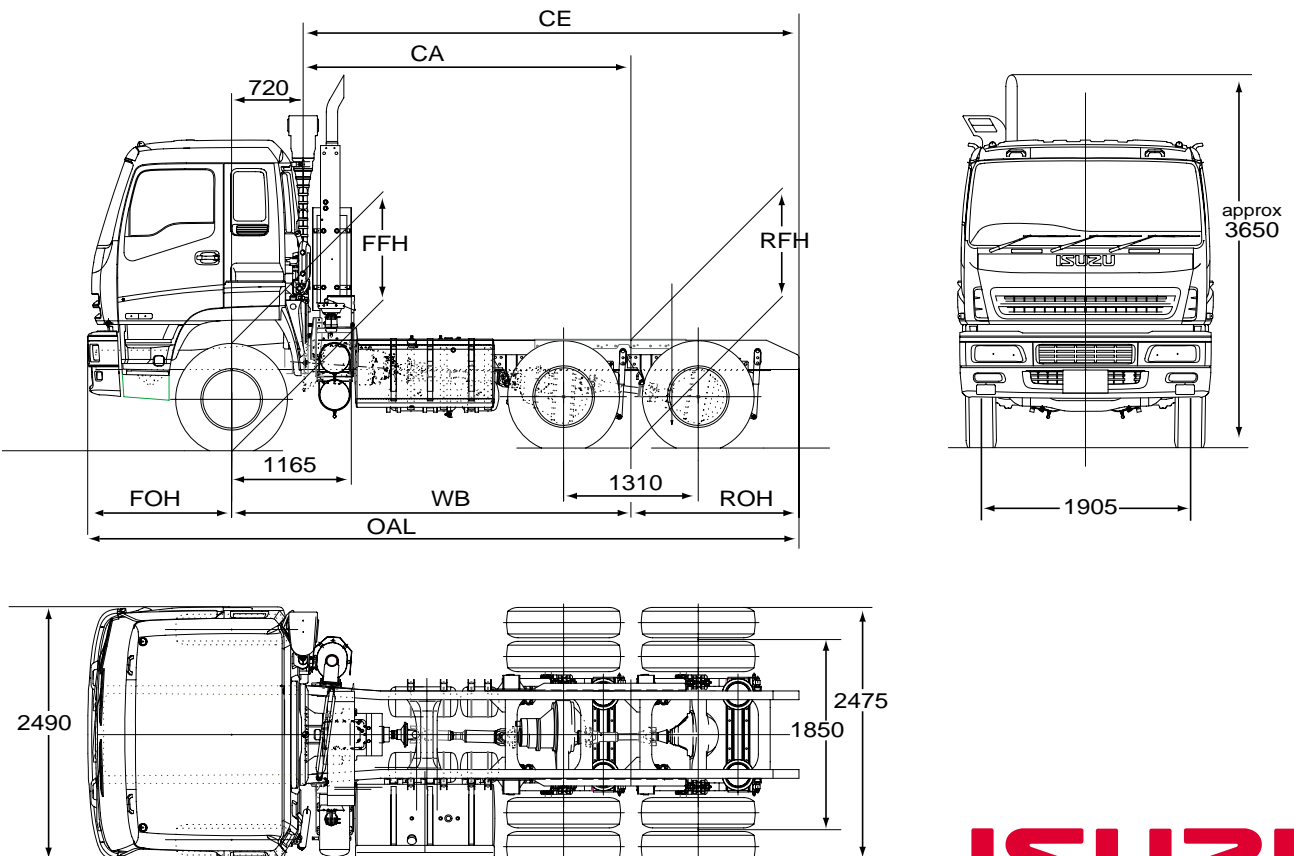
Cab/Chassis specification as at March 2002

Truck shown includes dealer fitted accessories, available at additional cost.

MODEL RATINGS AND DIMENSIONS

MODELS	ENGINE	RATINGS(kg)		TARE MASS*(kg)			DIMENSIONS (mm)								TURNING CIRCLE
		GVM	GCM	TOTAL	FRONT	REAR	WB	OAL	FOH	ROH	CA	CE	FFH UNLADEN	RFH UNLADEN	KERB TO KERB
Giga 425 EXY	SITEC 425	24,000	50,000	7,300	4,275	3,025	3,885	6,920	1,400	1,635	2,720	4,355	1,020	1,030	14.9m

#Estimated weight of cab/chassis with oil, water and fuel tank containing 10 litres of fuel and excluding spare rim (40kg) and tools (35kg).
Option Masses: • Side fairings add 60kg • Air Deflector adds 35kg • Additional fuel tank add 100kg • 18-Speed Transmission adds approx. 2kg



For further information regarding Cab/Chassis dimensions your Isuzu Dealer can access detailed Body Builders diagrams from the Isuzu Truck Data Manual.

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ISUZU GIGA 425 EXY

DRIVELINE SPECIFICATIONS

ENGINE: ISUZU SITEC 425

Isuzu 6WG1-TC 6-cylinder, 24-valve, inline, overhead camshaft, direct injection, 4-stroke, diesel.

Turbocharged and air-to-air intercooled.

Mechanical injection system with electronic Timing and Injection rate Control System (TICS).

Electronic governor with integral speed limiter and cruise control with resume function.

BORE & STROKE: 147 x 154 mm

DISPLACEMENT: 15.7 litres

COMPRESSION RATIO: 15.5:1

POWER: 316 kW @ 1,800 rpm (ISO 1585 NET)

TORQUE: 2,058 Nm @ 1,100 rpm (ISO 1585 NET)

EMISSIONS: Meets Euro-2 emissions standard

RADIATOR: 900mm core height

COOLANT CAPACITY: 50 litres

AIR INTAKE SYSTEM

- Donaldson dry element, 15" two stage air filter. Vertical air intake stack with slim profile side intake

EXHAUST SYSTEM

- Vertical muffler with bright perforated heat shield on Right side
- Air controlled, butterfly type exhaust brake (up to 350 hp retardation at 2,200 rpm)
- Exhaust brake idle cut-out switch

FUEL SYSTEM

- Mechanical fuel injection with Zexel Heavy Duty electronic Timing and Injection rate Control System (HD-TICS)
- In-line fuel filter and water sedimenter
- Fuel Tank: 1 x 450 litre Hilton aluminium cylindrical (LHS) with two full length tank-mounted steps

LUBRICATION SYSTEM

- Pressure feed lubrication system
- Oil capacity 31.0 litres (including filters)

TRANSMISSION

EATON FULLER RTLO 16913A

- Overdrive, constant mesh transmission with integral oil pump and oil cooler.
- 13 forward speeds, 3 reverse speeds.

Forward gear ratios: (:1)

Lo: 12.31

1st 8.64 2nd: 6.11

3rd: 4.43 4th: 3.23

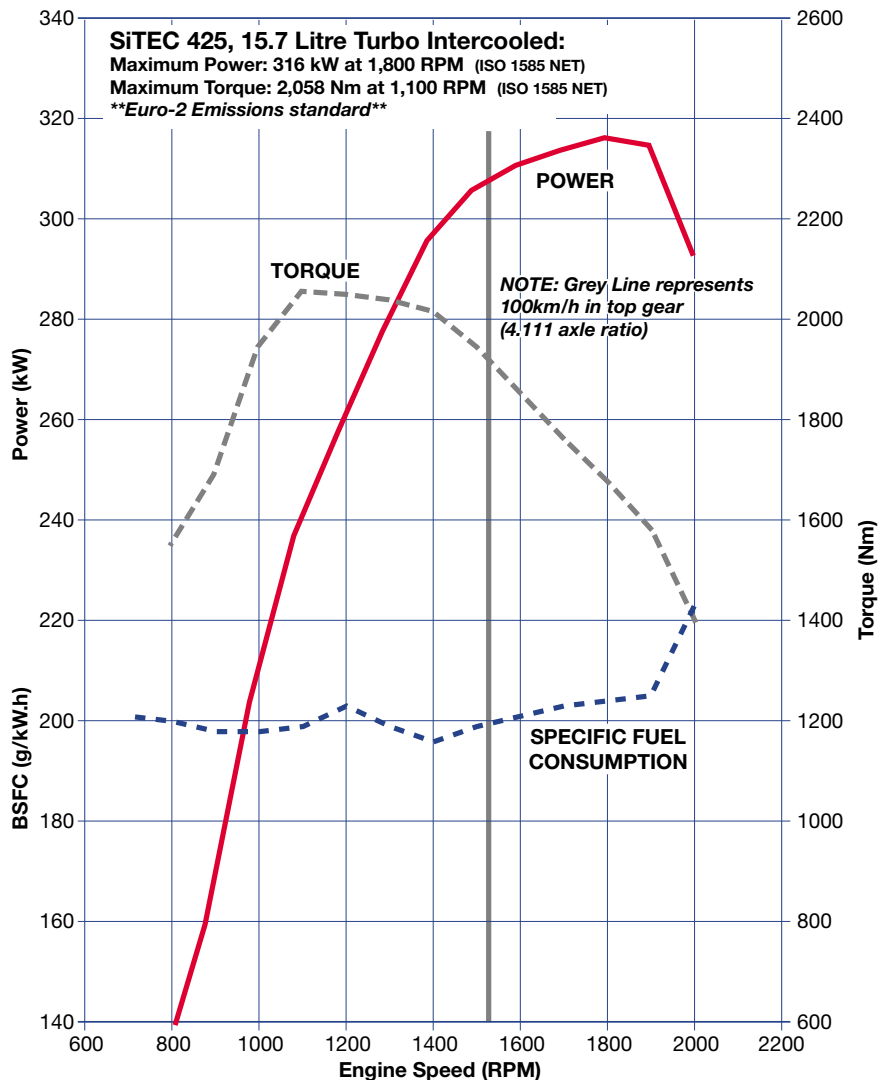
5th L: 2.29 5th H: 1.95

6th L: 1.62 6th H: 1.38

7th L: 1.17 7th H: 1.00

8th L: 0.86 8th H: 0.73

- Overdrive, constant mesh transmission with integral oil pump and oil cooler



ISUZU SITEC 425 (6WG1-TC) ENGINE PERFORMANCE CHART

Reverse Gear Ratios: (:1)

Hi Rev H: 2.99 Hi Rev L: 3.50

Lo Reverse: 13.22

- Theoretical geared speed 130 km/h at 2,000 rpm
- Electronically road speed limited to 100km/h (Approx. 1,536 rpm in highest gear with 4.111 axle ratio)
- Dana-Spicer propellor shaft
- Dana-Spicer Inter-axle shaft

CLUTCH

EATON FULLER (SPICER) 15.5"

- Twin plate clutch (6 pads) with clutch brake
- Asbestos free lining material
- Pneumatic clutch release assistance

FRONT AXLE

MERITOR FG941

- 6,600kg capacity
- 3.5" drop centres and oil bath hubs
- 42° wheel cut angle

REAR AXLES

MERITOR RT40-145GP

- 18,100 kg capacity tandem axle set with integral oil pump
- Inter-axle differential lock
- Driver controlled differential cross-locks on both axles
- Banjo type, fully floating, single reduction
- Final drive ratio 4.111:1 (Standard; others available)

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CHASSIS SPECIFICATIONS

CHASSIS FRAME

- Ladder type, parallel rail, tapered, C-section type
- 850mm width
- Section: 285 x 85 x 8mm
- Material: HT540 steel
- Turntable angles supplied

BRAKES

MERITOR "Q PLUS"

- Full air, S-cam dual circuit brake system with front and rear leading and trailing shoes
- Asbestos free lining material
- Drum dimensions:
Front: 127 x 419mm (5" x 16.5")
Rear: 178 x 419mm (7" x 16.5")
- Automatic slack adjusters (all axles)
- Air Compressor: 519 litres/min at 700kPa (18.3cfm at 100psi) at 2,000 engine rpm
- Spring parking brake acting on all rear wheels

- Trailer brake system with air lines and 24V electrical connectors mounted at rear of cab
- Aluminium air tanks, total capacity 118.4 Litres
- Air dryer (heavy duty desiccant type)
- Ready for ABS fitment at extra cost

STEERING

- Integrated power assisted recirculating ball and nut type
- 480mm diameter steering wheel
- steering ratio: 22.4:1

SUSPENSION

FRONT

- Long span alloy steel tapered leaf springs
- Length 1,800mm x width 80mm x four leaves
- Stabiliser bar and shock absorbers

REAR

- Hendrickson HAS 400 air bag rear suspension, 18,100 kg capacity
- Dual height control valves
- Transverse torque rod and shock absorbers

- In-cab height raise/lower and dump switch for hitching and unhitching trailers (external switch also supplied)

WHEELS AND TYRES

WHEELS:

- 8.25 x 22.5 - 10 stud ISO standard steel disc rims. Offset: 165mm

TYRES:

- Steer: 295/80R22.5 152M Michelin XZE2 (Load Rating 3,550 kg per tyre)
- Drive: 11R22.5 148L Michelin XDE2 (Load rating 2,900kg per tyre in dual configuration)
Number of wheels and tyres: 11 wheels and 10 tyres, including a spare wheel (no spare tyre supplied).

ELECTRICAL SYSTEM

- 24V electrical system
- Batteries: 145G51, 12V-150 AH (N150) type x 2
- Alternator: 24V-60A (1.5kW)
- Starter motor: 24V, 7.4kW

CABIN SPECIFICATIONS AND APPOINTMENTS

CAB EXTERIOR

- All steel cab with welded ribs and side door impact beams
- Standard colour: Arc White
- Hydraulic/electric cabin tilt to 48°
- Air suspended cab with four electronically controlled pneumatic mounts, shock absorbers and torque tube
- Large bumper bar / air dam with enclosed step holes and footplate
- Halogen headlights in bumper with hinges for easy cleaning
- 'Hella' fog lights integrated into air dam
- Three arm windscreen wipers with triple washer jets mounted on washer arms
- Main external rear view mirrors with integrated convex 'spotter' mirror on both sides
- Electric remote adjustment and heating elements in all four external mirrors
- Integrated front corner vanes for improved airflow
- Fully enclosed alloy, non-slip cab entry steps
- Lift-up front panel for easy access to service items
- Large grab handle mounted adjacent to muffler

CAB INTERIOR

- Fully trimmed cab interior with cloth seat facings, formed roof lining and overhead storage lockers
- 24V & 12V cigarette lighter/electrical accessory socket.

- Isringhausen 6800 series driver's air suspended seat with pneumatic lumbar support and integral seat belt, automatic weight adjustment and dump button for ease of entry and exit. Height, rake and backrest recline adjustment.
- Outboard non-suspended reclining co-driver's seat with matching Isringhausen trim
- Easy entry grab handles on 'A' and 'B' pillars
- Fluorescent overhead interior lamp
- Integrated air conditioning is standard
- Electric windows
- Central locking with remote keyless entry
- Eurovox audio system with radio, cassette player, 4 speakers, 18-station memory and CD controller
- Carpet on cab floor
- ADR compliant sleeper mattress: approx. 2,200 x 600 x 100mm thick
- Centre curtain for privacy when sleeping
- Twin cup holders in centre console
- Secure storage trunk with external access on LHS
- Sun visors on both sides
- Console mounted heat/cool box

GENERAL OPTIONS#

- 18-speed Eaton Fuller RTLO-16918B transmission
- Additional Hilton Fuel tank (increases capacity to 900 L)

OPTIONAL AXLE RATIOS:

- Alternative axle ratios on request from your Isuzu Dealer

DEALER-FITTED ACCESSORIES INCLUDE:

- 10-disc CD stacker (standard on Custom Cab).
- Voltage reducer (24V-12V) for 12V trailer electrics
- Roof Mounted Air Deflector. Designed by Isuzu for use with tall body designs, reducing fuel consumption.
- Full aerodynamic fairing, designed to integrate with rear of cab and roof-mounted air deflector. Fills the space between rear of cab and front of body or trailer, reducing aerodynamic drag and minimising fuel consumption.
- Alcoa forged aluminium alloy wheels, reducing tare mass by 135 kg and improving appearance
- Anti-Lock Braking System (ABS). Meritor axles and brakes are compatible with WABCO and Bosch systems.
- 5th wheel assembly
- HAS 460 suspension upgrade kit
- Rear wheel guards

CUSTOM CAB PACK:

- Custom badges
- Gold colour Isuzu badge
- Complete wrap-around window curtains – covers all windows
- Wood grain appearance to instrument panel
- Leather wrap steering wheel
- 10-disc CD stacker for audio system
- Air conditioning vent in sleeper compartment

Available at extra cost

ISUZU GIGA 425 EXY

ISUZU GIGA 425 NEW TRUCK WARRANTIES

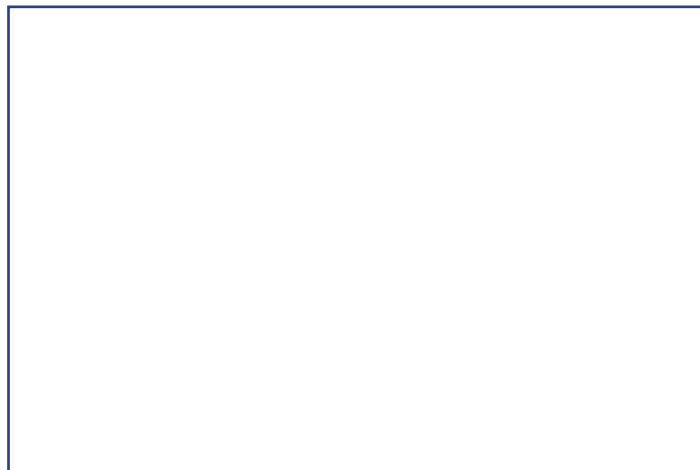
STANDARD TRUCKPOWER WARRANTY		
NEW VEHICLE	3 years	500,000km
ENGINE COMPONENTS*	5 years	750,000km
CAB CORROSION	3 years	unlimited

Giga 425 Warranty. Subject to the conditions of the I-GM New Vehicle Warranty, every Isuzu Giga Series Truck carries a warranty which covers your complete vehicle for the first 36 months or 500,000 kilometres (whichever comes first). Normal exclusions apply: e.g. tyres and batteries (refer to your Isuzu Dealer for details).

A 60 month or 750,000 kilometres (whichever comes first) major engine components warranty runs concurrently with the New Vehicle Warranty for Giga Series models. A 36 month unlimited kilometres cab perforation corrosion warranty runs on all models.

*Engine components are as follows: Cylinder block, cylinder head and crankshaft.

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