

# ISUZU

## GIGA 425 EXD



**ISUZU**  
RELIABILITY IS EVERYTHING

### AT A GLANCE

GVM	16,000 kg
GCM	41,000 kg
Engine Type	Isuzu SiTEC 425
Displacement	15.7 L
Power	316 kW @ 1,800 rpm
Torque	2,059 Nm @ 1,100 rpm
Wheelbase	3,450 mm

## DRIVELINE & CHASSIS SPECIFICATIONS

### ENGINE: ISUZU SiTEC 425

Isuzu 6WG1-TC 6 cylinder, 24 valve, in line, overhead camshaft, direct injection, 4-stroke, diesel. Turbocharged and air-to-air intercooled. Cooled exhaust gas recirculation system. Electronic governor with integral speed limiter and cruise control with resume function. Bore & Stroke: 147 x 154 mm Displacement: 15,681 cc Compression Ratio: 15.5:1 Power: 316 kW @ 1,800 rpm (ISO 1585 NET) Torque: 2,059 Nm @ 1,100 rpm (ISO 1585 NET) Emission Standard: ADR 80/00 (Euro III)

### 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

- Denso common rail fuel injection system. Low micron fuel filter/sedimenter.
- Fuel tank: 1 x 400 L SAG aluminium rectangular (LHS).

### LUBRICATION SYSTEM

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

### CLUTCH

#### EATON FULLER (SPICER) 15.5"

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

### TRANSMISSION

- Overdrive, constant mesh transmission with integral oil pump and oil cooler.
- Eaton Fuller RTLO 16918B 18 speed.

#### Forward Gear Ratios: (:1)

Lo L: 14.40	Lo H: 12.29	1st L: 8.56	1st H: 7.30
2nd L: 6.05	2nd H: 5.16	3rd L: 4.38	3rd H: 3.74
4th L: 3.20	4th H: 2.73	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		

#### Reverse Gear Ratios: (:1)

Hi Rev H: 3.43 Hi Rev L: 4.03 Lo Rev H: 12.85 Lo Rev L: 15.06

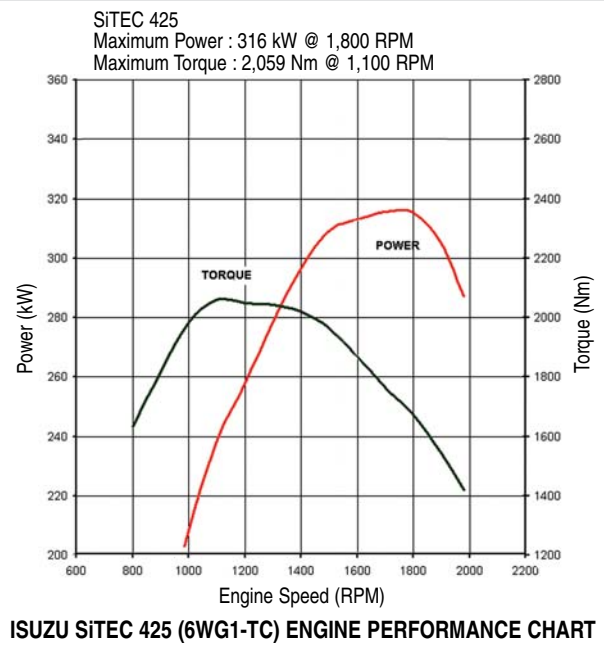
### AXLES

#### FRONT: ISUZU F071

- 7,100 kg capacity.
- 49° wheel cut angle.

#### REAR: ISUZU R130

- 13,000 kg capacity.
- Final drive ratio 3.91:1
- European Meritor 186 series final drive assembly fitted with driver controlled cross-locks.
- Banjo type, fully floating, single reduction.



### SUSPENSION

#### FRONT

- Alloy steel tapered leaf springs.
- Nominal size: 1,600 x 80 mm
- Total spring capacity (at ground): 7,600 kg
- Stabiliser bar and shock absorbers.

#### REAR

- Isuzu electronically controlled 4-bag air suspension system. Total spring capacity (at ground): 12,000 kg.
- RFCN: 2044
- Stabiliser link and shock absorbers.
- Hand held remote control provided for suspension height adjustment when stationary.

### BRAKES

- Full air taper roller brake system with automatic slack adjusters.
- Front and rear drum diameter: 410 mm
- Swept area: 9,789 cm<sup>2</sup>
- Air Compressor: 519 L/min at 700 kPa at 2,000 engine rpm.
- Total capacity 120 L, Air dryer fitted.
- Spring parking brake acting on front and rear wheels.
- Trailer brake connection at rear of cab.
- Standard ABS and Electronic Braking System (EBS).

## **STEERING**

- Power assisted recirculating ball steering.
- Steering ratio: 22.4:1

## **WHEELS AND TYRES**

- 8.25 x 22.5-10 stud ISO standard steel disc rims. 335 mm PCD.
- 295/80R22.5 152/148M Michelin XZE2 steer tyres. Rating: 3,550 kg per tyre
- 11R22.5 148/145 L Michelin XDE2 drive tyres. Rating: 2,900 kg per tyre (dual configuration)
- Spare rim only supplied (no spare tyre).

## **AXLE LOAD SUMMARY**

<b>GIGA 425 EXD</b>	<b>FRONT</b>	<b>REAR</b>
Axle Capacity (kg):	7,100	13,000
Spring Capacity (kg):	7,600	12,000
Tyre Capacity (kg):	7,100	11,600
Legal Limit (kg):	6,000	10,000
<b>Limit (kg):</b>	<b>6,000</b>	<b>10,000</b>

Note: Vehicle loading limit is determined by the combination of axle loading limit, GVM and GCM limit, and government regulatory requirements. Consult your Isuzu dealer to select the correct vehicle for your specific application.

## **CHASSIS FRAME**

- Ladder type, parallel rail, tapered, C-section type. HT540 steel.
- Frame dimensions  
Side rail (mm): 254 x 85 x 8  
Rear frame width (mm): 850
- Turntable angles supplied.

## **ELECTRICAL SYSTEM**

- 24 Volt electrical system.
- 24 Volt, 60 Amp alternator(1.5 kW).
- 24 Volt, 7.4 kW starter motor.
- 2 x 145G51(754CCA) batteries connected in series.
- 24 Volt electrical connectors at rear of cab.

## **GENERAL OPTIONS** (available at extra cost)

### **DEALER-FITTED ACCESSORIES INCLUDE:**

- 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.
- 5th wheel assembly.

# **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.
- Body coloured steel front bumper with step holes.
- Halogen headlights in bumper with hinges for easy cleaning. Integrated indicator and fog lamps.
- 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. Large grab handle mounted adjacent to muffler.

## **CAB INTERIOR**

- Fully trimmed cab interior with cloth seat facings, formed roof lining and overhead storage lockers. Sun visors on both sides. Fluorescent overhead interior lamp. Auto climate control air conditioning. Carpet on cab floor.
- 24 Volt & 12 Volt cigarette lighter/electrical accessory socket.

- Isringhausen 6800 driver's air suspended seat with integrated seat belt, pneumatic lumbar support, 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.
- Large centre console with integrated heat/cool box and twin cup holders.
- Electric windows. Central locking with remote keyless entry.
- ADR compliant sleeper mattress: approx. 2,200 x 600 x 100 mm
- Air conditioning vent in sleeper compartment.
- Centre curtain for privacy when sleeping.

## **CUSTOM CAB FEATURES**

- Custom badges. Gold colour Isuzu badge.
- Complete wrap-around window curtains - covers all windows.
- Wood grain appearance to instrument panel.
- Leather wrap steering wheel.
- Radio with integrated 6 disc player, clock, front and premium rear speakers. CD player compatible with Standard (WAV)/MP3/WMA music file types.

# GIGA 425 EXD

## PERFORMANCE (Calculated)

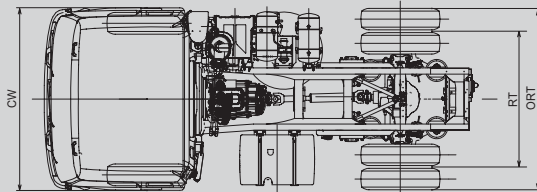
GIGA 425 EXD	
Max Geared speed:	137* km/h @ 1,900 rpm
Gradeability (lowest gear):	50% @ 41,000 kg GCM
Gradeability (top gear at 100 km/h):	0.9% (2.5 x 4.3 trailer @ 41,000 kg GCM)
Engine speed (top gear at 100km/h):	1,460 rpm

Performance figures quoted are representative only and based on typical dimensions, body styles and weights. Please consult your Isuzu dealer for an estimation based on your specific application. \*Road speed limited to 100 km/h

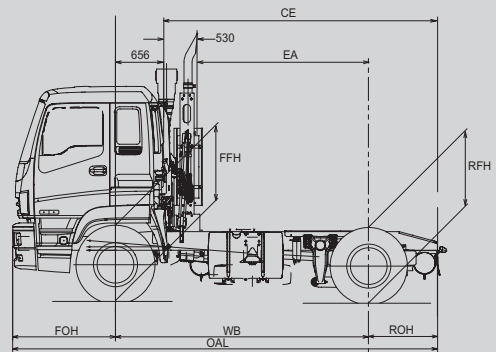
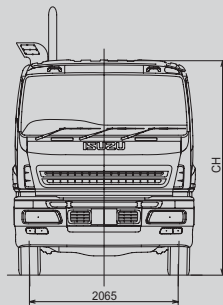
## MODEL RATINGS AND DIMENSIONS

MODELS	RATINGS (kg)		TARE MASS <sup>#</sup> (kg)			DIMENSIONS (mm)													TURN CIRCLE KERB TO KERB
	GVM	GCM	TOTAL	FRONT	REAR	WB	OAL	FOH	ROH	EA	CE	RT	ORT	CH	CW	FFH	RFH		
EXD	16,000	41,000	6,155	4,285	1,870	3,450	5,785	1,400	935	2,265	3,370	1,850	2,460	2,970	2,490	910	1,000	13.5 m	

#Estimated mass of cab/chassis with oil, water and fuel tank containing 20 litres of fuel.  
Option Masses: • Roof Mounted Air Deflector add 35 kg • Side fairings add 60 kg



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



Model 18spd

ORDER CODE 425 EXD Custom 8EX22-451

## ISUZU NEW TRUCK WARRANTIES

### STANDARD TRUCKPOWER WARRANTY\*

New Vehicle	3 years	500,000 km
Engine Components**	5 years	750,000 km
Cab Corrosion	3 years	unlimited

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

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

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

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