

# FIGHTER 1627.

4X2 / 9-SP MANUAL / STEEL OR AIR SUSP.

GVM

**16,000KG**

GCM

**32,000KG**

Power/Torque

**199KW/784NM**

Medium rigid licence required.



**5**  
YEAR WARRANTY

CLASS LEADING 30,000KM SERVICE INTERVALS.

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**FUSO**

SPECIFICATIONS

MODEL

A	4x2 1627 Steel Susp. SWB 9 Sp. MAN (FM65FH2RFAK)
B	4x2 1627 Steel Susp. XXLWB 9 Sp. MAN (FM65FS2RFAK)
C	4x2 1627 Air Susp. XLWB 9 Sp. MAN (FM67FM2RFAK)
D	4x2 1627 Air Susp. XXLWB 9 Sp. MAN (FM67FS2RFAK)

WHEEL BASE

4280mm
6500mm
5550mm
6500mm

GVM (optional)

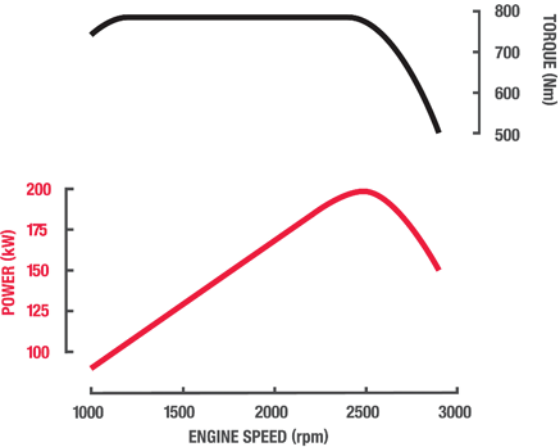
16,000kg
16,000kg
16,000kg
16,000kg

GCM (optional)

32,000kg
32,000kg
32,000kg
32,000kg

ENGINE

Engine Version	FUSO 6M60-9AT2 Diesel
Configuration	6 Cyl. In-line OHC, 4-Valve
Type	Variable Geometry Turbo Charged Air to Air Intercooler
Displacement	7.5 litre (7545cc)
Bore	118mm
Stroke	115mm
Power (ECE R85-00)	199kW @ 2500 rpm
Torque (ECE R85-00)	784Nm @ 1100~2400 rpm
Maximum Engine Speed	2900 rpm
Compression Ratio	16.0:1
Cooling System / Oil Cooler	Water cooled, 23.0L capacity/ Plate type engine oil cooler
Air Cleaner	Paper Element Type with Restrictor Indicator. Vertical Intake Mounted on Clean Air Side (RH)
Emission Control	Selective Catalytic Reduction (SCR) after-treatment system (BlueTec), Positive Crankcase Ventilation (PCV)
Emission Level	ADR 80/03 - Euro 5



FUEL

Injection System	DENSO Common Rail System Electronically Controlled Direct Injection	
Tank Type	A Rectangular Steel Tank with Locking Cap	B C D Rectangular Alloy Tank with Locking Cap
Fuel Capacity *	200 Litres	300 Litres
AdBlue Exhaust Fluid Capacity	40 Litres	40 Litres
Speed Limiter	Speed Limited 100km/h	
Notes	*Max Fill to approx 95% of Air Capacity	

COOLING

Fan Drive	Thermo modulated continuous control (Viscous)
Radiator	Corrugated Fin with Expansion Tank

ELECTRICAL

Voltage	24V Negative Earth
Alternator Capacity	24V-80 amp
Starter Capacity	24V-5.0kW
Battery Capacity	2x12V, 65Ah/5hr
Headlamp Type	Halogen
Headlamp Capacity	Low Beam 2x70W High Beam 2x75W

CLUTCH

Clutch Model	FUSO C7M38
Type	Single Dry Plate
Operation/Specification	Air Assisted Hydraulic

TRANSMISSION

Version	Eaton Manual ES-11109 (Fuso Code M060S9)
Type/Speeds	9 Speed
Features	Synchromesh 1L~4H
Ratios	Low Range Low: 12.64 1st: 8.81 2nd: 6.55 3rd: 4.77 4th: 3.55  High Range 1st: 2.48 2nd: 1.85 3rd: 1.34 4th: 1.00 Rev. 13.21
PTO Opening	LH Side & Rear

PROPELLER SHAFT

Type	P12
Universal Joint	Needle Roller

FRONT AXLE

Axle Version	FUSO F650T
Type	Reverse Elliot 'I' Beam
Capacity *	6300kg
Notes	*See MAX LOADING for vehicle capacity.

FRONT SUSPENSION

Type	Parabolic Leaf with Double Acting Shock Absorbers
Size	1400x80mm Leaves

REAR AXLE

Type	Full Floating Hypoid	
Axle Version	FUSO R080T/D10H	
Capacity*	10800kg	
Ratio	A B 4.625:1	C D 4.222:1
Notes	*See MAX LOADING for vehicle capacity.	

REAR SUSPENSION

Type	A B Steel Suspension	C D Air Suspension
Details	Semi-Elliptic Leaf	Trailing Arm with Air Dump Control and Double Acting Shock Absorbers
Size Main Leaves	1400x80mm	N/A
Size Helper Leaves	960x80mm	N/A
Air Spring	N/A	2x250mm dia.
Trailing Arm	N/A	(643+390)x80x35mm-2 Leaves
Road Friendly Certification Number	N/A	RF2043
Capacity at Ground *	N/A	10000kg total

MAX LOADING

Front	6000kg
Rear	10000kg
Total	16000kg

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WHEEL BASE	GVM (optional)	GCM (optional)
4280mm	16,000kg	32,000kg
6500mm	16,000kg	32,000kg
5550mm	16,000kg	32,000kg
6500mm	16,000kg	32,000kg

STEERING	
Type	Integral Power Assisted Ball and Nut
Steering Column	Tilt/Telescopic Adjustable with Lock
Ratio	22.4:1

BRAKES	
Type	Full Air, Dual Circuit, FUSO Taper Roller, Automatic Brake adjustment, ABS with ASR (Anti Slip Regulator)
Size Front	410x150mm
Size Rear	410x200mm
Park Brake	Rear Wheel Spring Actuated
Auxiliary	Exhaust Brake
Compressor	Water Cooled, 340cc Single Cyl.
Air Dryer Model	MD4

WHEELS & TYRES		
Wheel Type	7, Single Piece Disc	
Wheel Size	22.5x8.25DC-165-13t	
Wheel Stud Pattern	10x335mm PCD	
Tyre Size All	A B 11R22.5 148/145L Traction Tread to Rear	C D 275/70R22.5 148/145L
Spare Tyre Carrier	Provided	

CHASSIS	
Type	Parallel Channel
Size	280x90x8.0mm
Width	841mm
Tensile Strength	540Mpa

INSTRUMENTS	
Gauges	Speedometer with Odometer Tachometer Air Pressure (2) Fuel Level Water Temperature
Colour Information Display	Fuel Consumption Service Indicators Hour Meter and Tripmeter
Warning Lamps	ABS ASR Turn Signal High Beam Exhaust Brake Hill Start Assist Oil Level Ad Blue Low Fuel Low Park Brake Alternator Oil Filter Blockage Engine Control / Cruise Control (ECU) Air Filter Restriction Fuel Filter Water Contamination Door Opening High/Low Gear Range
Warning Lamp/Buzzer	Air Pressure Oil Pressure Engine Overheat / Low Coolant Level

MULTI-MEDIA PACKAGE	
Satellite Navigation	Maps with heavy vehicle weight, length, height & hazardous material selectable restrictions with 3 years of Map updates
Colour Display	6.1 inch LCD with touch screen control
Phone Connectivity	Bluetooth® hands free
Audio Visual Entertainment	CD/DVD player and Digital radio DAB+ (also AM/FM for areas not covered by DAB+) USB port for iPod®* & other devices
Reversing Camera Compatible	Display can accept up to 3 cameras#
Notes	* iPod® compatibility requires an additional licensed cable # Cameras available through spare parts

STANDARD FEATURES	
Airbag(s)	Driver's Air Bag and Seat Belt Pre-tensioners
Hill Start System	Yes
Cab Cooling & Heating	Air Conditioner / Heater / Demister
Accessory Power	24V Accessory Power Outlet / Cigar Lighter
Driving	ASR (Traction Control) Keyless Central Locking Electric Windows Cruise Control LH Transom Window Fuso Multimedia Unit Cup Holders (4) Rear Quarter Glass Fluorescent Cabin Lamp and Interior Reading Lamps Engine Idle Speed Control
Storage	Centre Seat Storage Console Rear Bunk Storage Pocket Dash Storage Tray 2 DIN Glove Compartment 1 Single & 1 Double DIN Slot for Accessories Overhead Storage Pocket with Lid RH Door Storage Pocket
Cab: External	Roof Mounting Points (max. static load 70kg) Front End-Outline Marker Lamps
Chassis	Chassis Mounted Tool Box Reverse Warning Buzzer Integrated Front Underrun Protection System (FUPS)

CAB FEATURES	
Type	All Steel Forward Control Manual Tilt 44 deg.
Mounting	Hydroelastic Susp. 4 Point
Colour	Natural White
Interior	Fully Trimmed
Windscreen	Laminated Tinted
Windscreen Wipers	2 Speed + Intermittent Cycle with Integrated Washer Nozzles
Door	90 degree Opening Angle
Rear Vision Mirrors	Remote / Heated with Convex Spotter (Both sides)
Seating Capacity	3
Seat Belts	2 ELR Lap Sash, 1 Lap
Seat (driver)	ISRI Air Suspension with Height, Tilt and Dampening Adjustment Integral Headrest and Fabric Trim
Seats (passenger)	Centre: Low Back with Fabric Trim Forward Folding Far Passenger: Fixed Base with Reclining Seat Back, Integral Headrest and Fabric Trim

SERVICE INTERVALS	
Interval*	30,000km, 12 Months or 600 Hours (whichever occurs first)
Notes	* based on normal operating conditions and may be reduced when operating under severe conditions.



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## WHEEL BASE

4280mm
6500mm
5550mm
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## GVM (optional)

16,000kg
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16,000kg
16,000kg

## GCM (optional)

32,000kg
32,000kg
32,000kg
32,000kg

## WARRANTY

Basic/Powertrain	5 Years, 350,000kms or 7,000 operating hours (whichever occurs first)
Cab Perforation/Anti Corrosion	5 Years

## PERFORMANCE

	A	B	C	D
Turning Circle (kerb to kerb - metres)	14.6	21.4	18.4	21.4
Electronically Speed Limited to:	100km/hr	100km/hr	100km/hr	100km/hr
Engine Speed (rpm) at 100km/hr (top gear)	2428	2428	2428	2428
Gradeability at Rated GVM (theoretical)*	53%	53%	53%	53%
Gradeability at Rated GCM (theoretical)*	23%	23%	23%	23%
Notes	*This is theoretical performance only. Actual performance may vary under different conditions			

## MASS (ESTIMATED)\*

	A	B	C	D
Front*	2975kg	3115kg	3050kg	3105kg
Rear*	1925kg	2045kg	1930kg	2010kg
Total*	4900kg	5160kg	4980kg	5115kg
Notes	* Mass (est.) includes oil and water but excludes spare wheel, tools & fuel. Weights provided are subject to 3.5% variation (+/-)			

## DIMENSIONS (MM)

	A	B	C	D
Width Front Fender (mm)	2450	2450	2450	2450
Width Rear Axle (mm)	2470	2470	2470	2470
Width Front Track (mm)	1925	1925	1925	1925
Width Rear Track (mm)	1850	1850	1850	1850
Width Frame (mm)	841	841	841	841
A - Length Overall (mm)	7455	10695	9325	10695
C - Front Overhang (mm)	1245	1245	1245	1245
D - Wheelbase (mm)	4280	6500	5550	6500
G - Front Axle to Rear of Cab (mm)	745	745	745	745
H - Rear of Cab to Rearmost Item Behind Cab (mm)	130	130	130	130
I - Rearmost Item Behind Cab to Rear Axle (mm)	3405	5625	4675	5625
J - Frame, Rear Axle to End (mm)	1930	2950	2530	2950
P - Height Cab to Ground (mm)	2680	2680	2630	2630
Q - Height Cab to Frame (mm)	1669	1669	1669	1669
R - Height Rear Frame to Ground (mm)	1074	1072	Inflated: 969 Deflated: 922	Inflated: 969 Deflated: 922

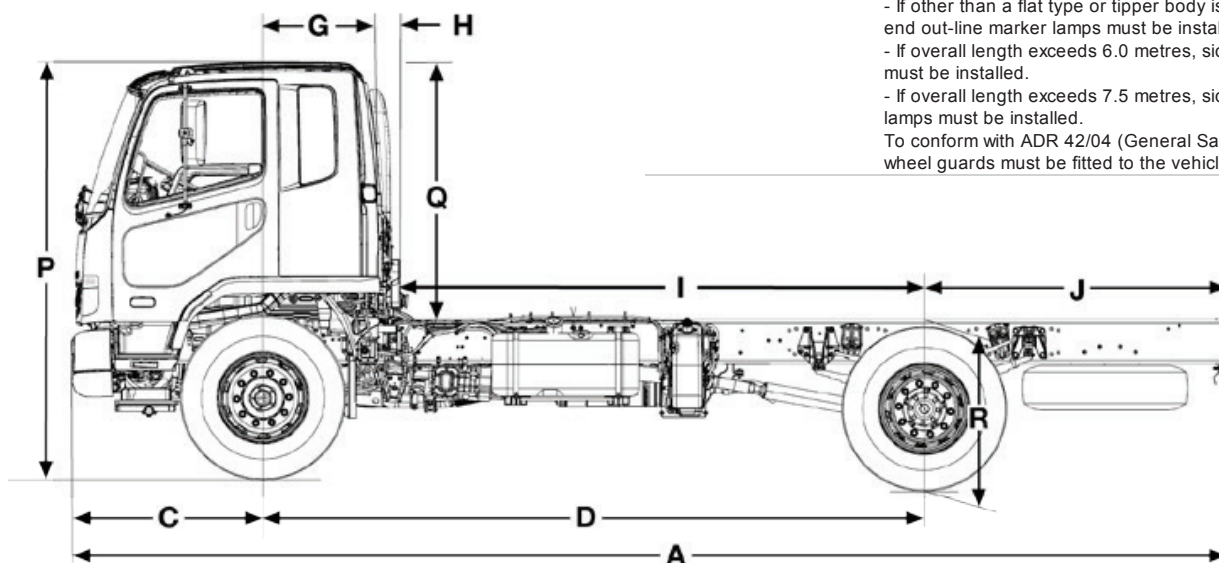
## BODY BUILDER'S NOTES

### Notes

Chassis reinforcement must be utilised for Tipper/Demountable type body configurations. To conform with ADR 13/00 (lighting requirements) the following must be adhered to at body installation.

- If other than a flat type or tipper body is fitted, rear end out-line marker lamps must be installed.
- If overall length exceeds 6.0 metres, side reflectors must be installed.
- If overall length exceeds 7.5 metres, side marker lamps must be installed.

To conform with ADR 42/04 (General Safety), rear wheel guards must be fitted to the vehicle.



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# FUSO

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