



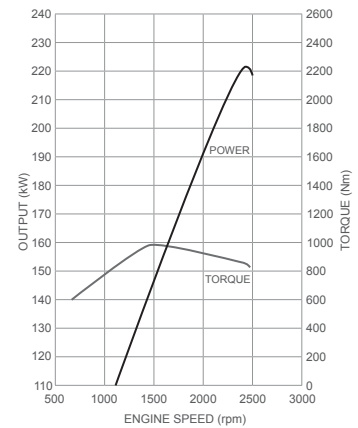
## AT A GLANCE

Available with steel or air suspension, manual or automatic

<b>Configuration:</b>	4x2
<b>Gross Vehicle Mass:</b>	16,500kgs
<b>Gross Combination Mass:</b>	32,000kgs
<b>Maximum Towed Mass (braked):</b>	20,000kgs
<b>Maximum Towed Mass (unbraked):</b>	2,000kgs
<b>1st Gear Gradeability @ GVM/GCM %:</b>	73 / 31
<b>Est. Engine RPM @ 90km/hr:</b>	2150
<b>Emission Standard:</b>	Euro V
<b>Speed Limiter:</b>	100km/hr

## ENGINE

<b>Engine Model:</b>	6HK1-TCS
<b>Type:</b>	6 cyl 24 valve, SOHC
<b>Displacement:</b>	7,790cc
<b>Compression Ratio:</b>	17.5:1
<b>Max Power (DIN Nett):</b>	221kW (300 HP) @2,400 RPM
<b>Max Torque (DIN Nett):</b>	980 Nm (723 lb.ft) @1,450
<b>Emission Control System:</b>	Euro V with cooled EGR and Diesel Particulate Diffuser
<b>Lubrication:</b>	Plate type oil cooler, spin on filter, 15.5 litre capacity
<b>Cooling System:</b>	Temperature controlled viscous fan hub System capacity approx 29.5 litres
<b>Fuel System:</b>	Electronically controlled direct injection, high pressure common rail 200 litre fuel tank with lockable fuel cap Water-in-fuel sensor standard
<b>Air Intake System:</b>	Electronically controlled variable nozzle turbo charger with air-to-air intercooler, vertical air intake behind cab



## TRANSMISSION ZF9 S 1110-TO

<b>Manual FVR:</b>	9 spd manual, synchromesh on 1st to 8th with air assisted Double H shift pattern
<b>Clutch:</b>	Air assisted hydraulic control, 381mm single plate clutch
<b>PTO:</b>	Provision on LHS of transmission case, countershaft driven
<b>Ratios (:1)</b>	Crawler 9.48, 1st 6.58, 2nd 4.68, 3rd 3.48, 4th 2.62, 5th 1.89, 6th 1.35, 7th 1.00, 8th 0.75 Rev 8.97
<b>Oil capacity:</b>	Approx 8.0 litres
<b>Auto trans FVD:</b>	Allison MD 3000 Gen 4 close ratio full automatic
<b>Ratios (:1)</b>	1st 4.59, 2nd 2.25, 3rd 1.54, 4th 1.00, 5th 0.75, 6th 0.65, Rev 5.00

## AXLES

<b>Front Axle:</b>	Meritor FG941
<b>Type:</b>	Elliot reverse I-beam
<b>Capacity:</b>	6,600kgs
<b>Rear Axle:</b>	Meritor RS-23-161G
<b>Type:</b>	Full floating banjo type housing
<b>Capacity:</b>	10,400kgs
<b>Final Drive:</b>	457mm diameter ring gear
<b>Ratio FVR:</b>	5.630:1
<b>Ratio FVD:</b>	6.430:1
<b>Oil capacity</b>	Approx 15.0 litres

## CHASSIS

### Front Suspension

- Single stage alloy steel taper leaf spring
- 1600x80x21 – 1 off, 1600x80x24 – 2 off
- Constant 285 N/mm
- Double acting shockabsorbers with stabiliser bar

### Steering

- Power assisted recirculating ball
- Gear Ratio 22.4:1
- Turns lock-to-lock 5.4

### Chassis Frame

- Cold riveted ladder frame
- M w/base rail dimensions (mm) 254 x85 x 8
- L w/base rail dimensions (mm) 258 x85 x 10
- HT540A weldable steel Parallel side rails

### Rear Suspension FVR1000M

- MLS main and helper
- MLS Main 1640x100x12 –8 off, 1420x80x14 –4 off
- MLS Helper 1420x100x10 –2 off, 980x100x11 –4 off
- Constant (N/mm) Main 358, Combined 1010

### Brakes

- Meritor Q-Plus dual circuit, full air, S-cam drum brakes with auto-adjusting slack adjusters
- ABS
- Hill Start Aid
- Front drum 419mm x 127mm
- Rear drum 419mm x 178mm
- Spring park brake on rear wheels
- Air dryer
- Air controlled exhaust brake

### Rear Suspension FVD1000L

- Hendrickson HAS230 air bag suspension
- Outboard-mounted hydraulic shockabsorbers

### Wheels and Tyres

- 22.5x8.25x165mm 10-stud steel wheel rims
- 275/70 R22.5 148/145 M tubeless tyres
- Silver painted wheel rims
- Frame mounted spar wheel with tyre

### Electrical

- 24 volt negative earth system
- 60 amp alternator
- Batteries - 2 x 115E41L 80Ah, 665CCA @ 18°C

## CAB AND INTERIOR

### CAB EXTERIOR

- All steel construction, high tensile steel on cab
- Under-frame and side impact beam reinforcement
- Cab is fully compliant with ECE-R29 crash tests
- Power cab tilt to 45°
- Coil spring suspended cab mounts
- Heavy duty non-slip cab entry steps
- 90° opening doors
- Door mounted 19" heated power mirrors, flat glass on main and convex on spot mirrors
- Air dam steel front bumper with integral fog lamps
- Halogen multi-reflector headlamps with integral turn signals
- Additional door-mounted turn signal indicators
- Roof-mounted outline marker lamps
- Combined brake/turn/reverse/marker lamps
- Registration plate lamps, extended wiring harness
- Reverse alarm buzzer standard

### CAB INTERIOR

Driver's seat – ISRI 6870 air suspended, pneumatic lumbar support, height rake, auto weight adjustment seat for occupant mass up to 150kg

### CAB INTERIOR (continued)

- Front passenger adjustable bucket seat and front centre seat with folding backrest
- 3-point ELR seatbelts in outboard seat positions, driver's seat fitted with pre-tensioner integral to the seat
- Centre seat has lap belt
- Driver's seat has SRS including air bag
- Door and pillar entry assist grips both sides
- Lined interior, padded roof lining and vinyl floor covers
- RH and LH overhead storage shelf
- Electric windows
- Central locking with keyless entry and engine immobiliser
- Twin cup holders, cigarette lighter
- Door mounted storage pockets, LH and RH glove boxes
- Centre console with storage tray, fold down storage tray in centre seat backrest
- Fluorescent interior lamp
- Radio/single CD player, twin speakers and auxiliary input port. Full media centre available as option
- 5 DIN sized compartments for extra communications and audio components

### Instruments and Controls

- Speedometer with digital odometer and two trip meters
- Tachometer, engine coolant temperature, fuel and dual brake air pressure gauges
- Two-speed wipers with intermittent function
- Key operated engine start, stop, steering lock
- HSA slow/fast engagement control with on/off switch
- AMT slow/fast, clutch engagement control, 1st gear selection, economy mode switch
- **LH combination stalk:** windscreen wipers/wash exhaust brake
- **RH combination stalk:** Indicators, light switch, headlamp dip switch, cruise control
- **Warning lamps:** Check engine, oil pressure, ABS, SRS, alternator charge, service brake, park brake on, seat belt, low air pressure, water-in-fuel, low fuel, level, cab lock
- **Indicator lamps:** HSA, warm up system, high beam, DPD status, 1st gear start, gear selection indicator, cruise control

Please refer to Owners and Drivers Manual for more detailed operation, driving instruction and warnings

## WEIGHTS (kgs)

Model Code	MODELS	RATINGS *	LOADING LIMITS (at ground)*			CHASSIS CAB TARE MASS **		
		GVM	GCM ***	FRONT	REAR	FRONT	REAR	TOTAL
FV201	FVR1000M	16.500	32,000	6000	8200	3175	2050	5225
FV202	FVD1000A	16.500	32,000	6000	8200	3450	2060	5510

\* Vehicle ratings and front and rear mass limits are subject to regulatory requirements – Consult your dealer to select a specific vehicle to suit your requirements

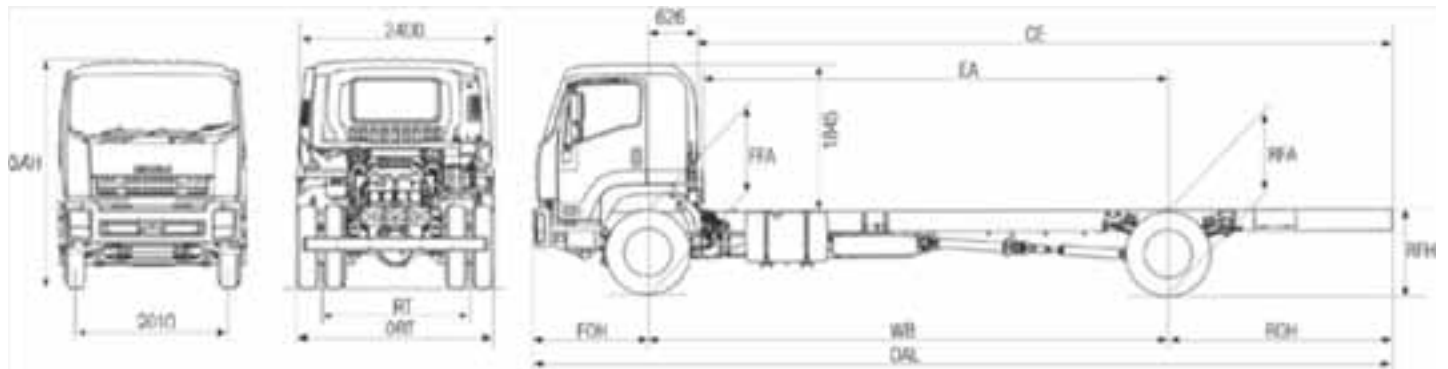
\*\* Chassis cab as supplied from the factory including 10 litres of fuel

\*\*\* Vehicles equipped for towing trailers require modification to provide brake performance in accordance with Heavy Vehicle Brake Rule NZ32015

## DIMENSIONS (mm)

Models	WB	OAL	OAH *	FOH	ROH	EA	CE	RT	ORT	FW	RFH *	BOC	Kerb to Kerb (m)
FVR1000M	4250	7405	2770	1440	1715	3550	5340	1840	2445	850	1045	75	14.8
FVD1000A	5550	9255	2770	1440	2265	4849	7189	1840	2445	850	980	75	19.4

\* Unladen condition, chassis cab only



## WARRANTY

<b>Vehicle:</b>	24 months or 150,000 kilometres *
<b>Power Train Components:</b>	36 months or 200,000 kilometres *
<b>Perforation Corrosion:</b>	36 months

\* Whichever occurs first

All warranty is subject to terms and conditions as detailed in the Owner's Manual Service and Warranty Supplement