

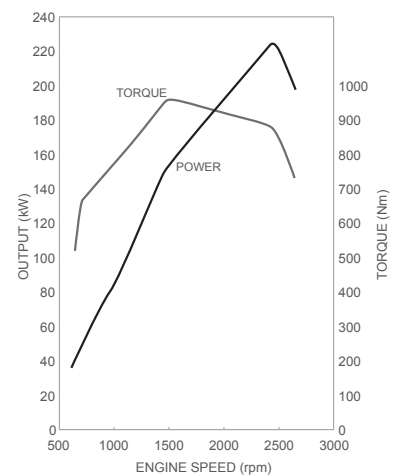


AT A GLANCE

Available with steel or air suspension, manual or auto transmission	
Configuration:	6x4
Gross Vehicle Mass:	24,000kg
Gross Combination Mass:	36,000kg
Maximum Towed Mass (braked):	22,000kg
Maximum Towed Mass (unbraked):	2,000kg
1st Gear Gradeability @ GVM / GCM %:	42/30 (Man) 40/25 (Auto)
Est. Engine RPM @ 90km/hr:	2140 (Man) 1945 (Auto)
Emission Standard:	Euro V
Speed Limiter:	100km/hr

ENGINE

Engine Model:	6HK1-TCS
Type:	6 cyl 24 valve, SOHC
Displacement:	7,790cc
Compression ratio:	17.5:1
Max Power (DIN Nett):	221kW (300 HP) @2,400 RPM
Max Torque (DIN Nett):	980 Nm (723 lb.ft) @1,450
Emission Control System:	Euro V with cooled EGR and Diesel Particulate Diffuser
Lubrication:	Plate type oil cooler, spin on filter, 15.5 litre capacity
Cooling System:	Temperature controlled viscous fan hub System capacity approx 29.5 litres
Fuel System:	Electronically controlled direct injection, high pressure common rail 200 litre steel (Except FVY1400L = 400 liter alloy) fuel tank with lockable fuel cap Water-in-fuel sensor standard
Air Intake System:	Electronically controlled variable nozzle turbo charger with air-to-air intercooler, vertical air intake behind cab



TRANSMISSION

Manual:	ZF9 S 1110-TO 9 spd manual, synchromesh on 1st to 8th with air assisted Double H shift pattern
Clutch:	Air assisted hydraulic control, 381mm single plate clutch
PTO:	Provision at rear of transmission case
Ratios (:1):	Crawler 9.48, 1 st 6.58, 2 nd 4.68, 3 rd 3.48, 4 th 2.62, 5 th 1.89, 6 th 1.35, 7 th 1.00, 8 th 0.75 Rev 8.97
Oil capacity:	Approx 8.0 litres
Auto trans:	Allison MD3000 GEN 4 Wide ratio gearbox with TC419 converter
PTO:	Top mount PTO provision, engine driven
Ratios (:1)	1st 4.59, 2nd 2.25, 3rd 1.54, 4th 1.00, 5th 0.75, 6th 0.65, Rev 5.00
Oil capacity:	Approx 28 litres

AXLES

Front axle:	Meritor FG941
Type:	Elliot reverse I-beam
Capacity:	6,600kgs
Rear Axle:	Meritor RT-40-145G
Type:	Full floating banjo drive axle
Final Drive:	457mm diameter ring gear
Ratio:	Manual trans = 6.140:1, Auto trans = 6.430:1
Capacity:	18,100 kgs
Oil capacity:	Approx: front axle 15.0 rear axle 14.0 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
- Rail dimensions (mm) 254 x 85 x 8
- HT540A weldable steel
- Parallel side rails

Rear Suspension FVY

- Hendrickson HAS 400 air bag suspension
- Outboard mounted double acting hydraulic shockabsorbers
- 18,100kgs load capacity

Brakes

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

Rear Suspension FVZ

- Multi leaf Isuzu 6-rod with trunion location system
- Main spring 1300x90x20mm – 8 off
- Constant 2401N/mm
- 21,000 kgs load capacity

Wheels and tyres

- 11.00R22.5 tubeless tyres
- **Auto models:** 295/80R22.5 tubeless tyres on front axle
- 22.5x8.25x165mm 10-stud steel wheel rims
- Silver painted wheel rims
- Frame mounted spare wheel with tyre

Electrical

- 24 volt negative earth system
- Alternator: Manual trans 60 amp, Auto trans 90 amp
- 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°
- Full floating cab with coil spring suspension
- 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 and 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
- SRS including air bag on driver's seat
- Door and pillar entry assist grips both sides
- Lined interior, padded roof lining and vinyl floor covers
- RH and LH overhead storage shelf
- Tilt/telescoping steering column, soft feel urethane steering wheel
- Electric windows
- Central locking with keyless entry and engine immobiliser
- Twin cup holders, 24 volt 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
- ADR42 compliant sleeper cab

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 wipe function
- Key operated engine start, stop, steering lock
- HSA slow/fast engagement control with on/off switch (except auto)
- DPD manual regenerate switch
- Inter-axle lock switch
- **LH combination stalk:** windscreen wipers/washers exhaust brake
- **RH combination stalk:** Indicators, light switch, headlamp dip switch
- **Warning lamps:** Check engine, oil pressure, ABS, SRS, alternator charge, service brake, park brake on, seat belt, low air pressure, low fuel level, water-in-fuel, cab lock
- **Indicator lamps:** HAS (except Auto), warm up system, high beam, DPD status, exhaust brake, turn signals, inter-axle lock on
- Multi info display shows service interval, instant and average fuel cons, DPD bar chart, hour meter, voltmeter, time/day/date, 40-120 adjustable speed warning

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
FV204	FVY1400L	24,000	36,000	6000	15,000	3490	3450	6940
FV205	FVY 1400A	24,000	36,000	6000	15,000	3540	3450	6970
FV206	FVZ1400M	24,000	36,000	6000	15,000	3243	3406	6640
FV207	FVZ1400A	24,000	36,000	6000	15,000	3420	3450	6870

* 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)
FVY1400L	6470	11150	2810	1440	3240	5770	9085	1840	2445	850	1020	75	22.6
FVY1400A	6470	11150	2810	1440	3240	5770	9085	1840	2445	850	1020	75	22.6
FVZ1400M	4410	7605	2810	1440	1755	3709	5539	1840	2445	850	1070	75	15.3
FVZ1400A	5300	9180	2810	1440	2440	4600	7115	1840	2445	850	1075	75	18.5

* Unladen condition, chassis cab only



WARRANTY

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

* Whichever occurs first

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