

FVY1350/1400

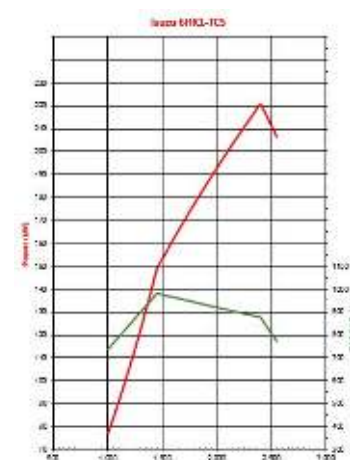


6X4

MODEL	FVY1400L	FVY1350L	FVY1400A (Auto)	FVY1350A (Auto)
GVM	24,000	18,000	24,000	18,000
GCM	36,000	36,000	36,000	36,000
Max Power (Kw)	221	221	221	221
Max Torque (Nm)	981	981	981	981
Wheelbase (mm)	6470	6470	6470	6470
Suspension	air	air	air	air



ENGINE			
Engine Model	ISUZU 6HK1-TCS	Type	6 cylinder 24 valve
Displacement	7,790 cc	Compression Ratio	17.5:1
Max Power (DIN Nett)	221 kW (296 HP) @ 2,400 RPM		
Max Torque (DIN Nett)	981 Nm (724 lb.ft) @ 1,450 RPM		
Emission Control System	Cooled EGR with exhaust Diesel Particulate Diffuser (DPD). (Euro V) compliant.		
Fuel System	Direct injection high pressure common rail system. 400 litre alloy fuel tank, (auto 200 litre steel tank) with lockable cap		
Air Intake System	Electronically controlled variable nozzle turbocharger with air-to-air intercooler.		



CLUTCH		PERFORMANCE	
Manual transmission	<ul style="list-style-type: none"> Air assisted hydraulic control. Single plate 381 mm diameter. Total lining area: 1,363 cm² 	Eng rpm (top gear ,90km/h): 1998(man)	Speed Limit: limited to 100kmh
		Low Speed Gradeability @ GVM (lowest forward gear, no wheel slip) man 35% & auto 40%	

TRANSMISSION									
Manual:	ZF 9 S 1110 TO with rear PTO provision								
	9 spd, air assisted shift, Synchromesh on gears 1-8. Crawler gear: 9.48:1								
Gear ratios (:1)	1st	2nd	3rd	4th	5th	6th	7th	8th	Rev
	6.58	4.68	3.48	2.62	1.89	1.35	1.00	0.75	8.97
auto:(optional) Ratios (:1)	ALLISON 3000 SERIES, 6-spd with TranSynd synthetic fluid 1st: 3.49, 2nd: 1.86, 3rd: 1.41, 4th: 1.00, 5th: 0.75, 6th: 0.65, Rev 5.03								
PTO (auto)	LHS and top PTO openings on transmission bell-housing. Engine driven PTO drive gear								

AXLES	
Front:	MERITOR - FG941 reverse Elliot I-beam. 6,600 kg capacity.
Rear:	RT40-145, Tandem axle set, driver controlled inter-axle lock
Ratio:	manual 5.285:1 and auto 6.142:1
WHEELS AND TYRES	
<ul style="list-style-type: none"> 22.5 x 8.25 ten stud ISO standard steel wheels FRONT: 275/70R22.5 148/145 M tubeless tyres REAR: 275/70R22.5 148/145 M tubeless tyres Frame mounted spare wheel and tyre assembly 	

CHASSIS			
Suspension	Chassis	Brakes	Electrical & Steering
FRONT: <ul style="list-style-type: none"> Single stage alloy steel taper-leaf springs. Double acting hydraulic shock absorbers. Stabiliser bar. REAR: <ul style="list-style-type: none"> Hendrickson HAS460 airbag. 18,100 kg capacity at ground.Outboard mounted double acting shock absorbers. 	<ul style="list-style-type: none"> Cold riveted ladder frame with parallel side rails. Frame side member material: JSH440 Frame dimensions: <ul style="list-style-type: none"> Side rail (mm): 258 x 85 x 10 Rear frame width (mm): 850 	<ul style="list-style-type: none"> Meritor 'Q-Plus' dual circuit full air 'S-cam' front & rear drum brakes with auto slack adjusters. ABS. Hill Start Aid (HSA) - except auto model. Front drum size: 419 x 127 mm Rear drum size: 419 x 178 mm Spring park brake. Air controlled exhaust brake. Air dryer. 	<ul style="list-style-type: none"> 24 volt electrical system. 60 amp alternator. 24 Volt, 5.0 kW starter motor. 2 x 115E41L (651 CCA) batteries. STEERING <ul style="list-style-type: none"> Power assisted recirculating ball steering. Gear ratio: 22.4:1 Turns lock to lock: 5.4 Maximum angle: 45° (inside wheel) / 35° (outside wheel)

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CAB AND INTERIOR

Cab Exterior	Cab Interior	Instruments and Controls
<ul style="list-style-type: none"> All steel construction with electro-hydraulic cab tilt. High tensile steel used for cab underframe. Complies with ECE-R29 cab strength standard. Full floating cab with coil spring suspension and hydraulic shock absorbers. Heavy duty non slip entry steps. 90° opening internally reinforced front doors. Water spray suppression guards and front mudflaps. Two speed windscreen wipers, with intermittent wipe mode. Halogen multi-reflector headlamps incorporating turn signals & front foglamps. Additional door mounted side indicator lamps. Combination brake, turn, reverse & marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm. Roof-mounted clearance lamps. Heated and powered exterior main mirrors with flat glass and additional powered convex "spot" mirrors. Body coloured steel air dam bumper with side cornering lamps. 	<ul style="list-style-type: none"> SRI 6860 air suspension driver's seat with pneumatic lumbar support, height, rake & automatic weight adjustment. Front passenger adj bucket seat & front centre seat with folding seat back. 3-point seatbelts in all outboard seating positions. Driver seatbelt with pre-tensioner integrated with driver seat. Outboard front passenger seatbelt fitted with pre-tensioner. Centre seat lap belts. Driver and outboard front passenger airbag. Door and roof pillar entry assist grips. Lined interior trim, padded roof lining and vinyl floor covering. Driver & passenger windscreen header storage shelf. Tilt/Telescopic adj steering column, soft feel urethane steering wheel with audio controls. Electric windows. Central locking with remote keyless entry & immobiliser. Twin cup holders. 24V cigarette lighter. Dashboard hook. Front door mounted storage pockets & driver's side ashtray. Centre console box with storage tray. Fold down tray behind centre seat. Integrated air conditioning & heater/demister. Fluorescent interior lamp. Multimedia unit with 6.2" LCD touch screen. Android OS. DAB+ digital radio, integrated Bluetooth with voice recognition. Inbuilt media viewer. Internet radio via smartphone. 32GB file storage. USB & auxilliary inputs. OPTIONS: (full details from your Isuzu dealer): Telematics system. Supports up to five camera inputs. One digital camera, Reversing sensors, tyre pressure monitoring. Wireless phone charger for Qi enabled phones. 	<p>DRIVER CONTROLS</p> <ul style="list-style-type: none"> Key-operated engine start/stop and steering lock. Engine idle speed control. HSA slow/fast engagement control and on/off switch- except auto model. DPD regeneration. Pushbutton gear selection control (auto model). Left side combination stalk: Windscreen wipers, washers & exhaust brake. Right side combination stalk: Turn signals, headlamps. <p>INSTRUMENTATION</p> <ul style="list-style-type: none"> Speedometer and tachometer. Digital odometer with integrated dual tripmeter. Engine coolant temperature, fuel level and air pressure gauges. Warning lamps: Check engine, oil pressure, low coolant level, ABS, SRS airbag, alternator charge, service brakes, park brake, seat belt unfastened, low air pressure, low fuel level, cab lock. Indicator lamps: HSA (except auto model), warm up system, high beam, DPD status, exhaust brake, turn signals. Gear selection display (auto model). Multi information display. Shows service intervals, vehicle systems status, instantaneous and average fuel consumption, DPD bar chart, hourmeter, voltmeter, time/day/date and includes 40-120km/h adjustable vehicle speed warning

WEIGHTS (KG)

Model Codes	Models	Ratings*		Loading Limits (at ground)*		Chassis Cab Tare Mass**		
		GVM	GCM	Front	Rear	Front	Rear	Total
FV0416	FVY1400L	24,000	36,000	6000	15,000	3,545	3,440	6,985
FV0516	FVY1400A	24,000	36,000	6000	15,000	3,595	3,420	7,015
FV1116	FVY1350L	18,000	36,000	6000	15,000	3,545	3,440	6,985
FV1216	FVY1350A	18,000	36,000	6000	15,000	3,595	3,420	7,015

* 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

DIMENSIONS (mm)

*Unladen condition

Turn Circle (m)

Models	WB	OAL	cab height	FOH	ROH	EA	CE	Front Track	outer rear track	cab width	RFA*	Kerb to Kerb
FVY	6,470	11,150	2850	1440	3,240	5,770	9,085	2010	2445	2400	977	22.6

WARRANTY

Full vehicle warranty: 36 months or 200,000 kilometres whichever occurs first. All warranty is subject to terms and conditions as detailed in the Owner's Manual Service and Warranty Supplement

A policy of continuous improvement means that these specifications are subject to change without notice. Contact your Isuzu dealer or visit our website at Isuzu.co.nz to confirm specifications. Images of vehicles are representative only and may differ slightly from the actual vehicle

