

Model	FYJ350FS M	FYJ350FS A
GCM (kg)	42,500	42,500
GVM (kg)	30,000	30,000
Max Power (kW)	257	257
Max Torque (Nm)	1422	1422
Wheelbase (mm)	5770	5770
Suspension	Air	Air

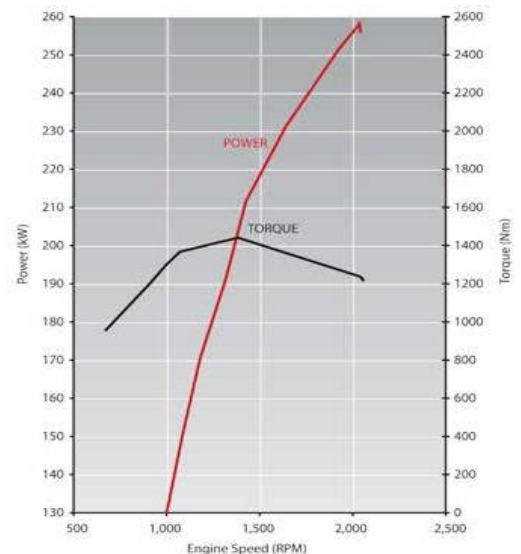


ENGINE

Engine Model:	6UZ1-TCC
Type:	6 cyl 24 valve, SOHC
Displacement:	9,839cc
Compression Ratio:	17.5:1
Max Power (DIN Nett):	257kW (350 HP(PS)) @2,000 RPM
Max Torque (DIN Nett):	1422Nm (1049 lb.ft) @1,400
Emission Control System:	Euro V with cooled EGR and Diesel Oxidation Catalyst (DOC)
Fuel System:	Electronically controlled direct injection, high pressure common rail 200 litre alloy fuel tank with lockable fuel cap
Air Intake System:	Electronically controlled variable nozzle turbo charger with air-to-air intercooler, vertical air intake behind cab

PERFORMANCE

- Maximum Towed Mass (braked): 20,000kgs - 1st Gear Gradeability @GVM: M 26.5%/21.5% A
- Maximum Towed Mass (unbraked): 2,000kgs - Est Engine RPM @90km/h : M 1645/1630 A



TRANSMISSION

Manual:	Eaton RTO 11909ALL 11 speed constant mesh
Clutch:	Air assisted hydraulic control, 432mm single plate clutch
PTO:	Flywheel LiveDrive, 1.1 ratio to engine speed, 440Nm output torque
Ratios (:1)	LL1 26.08, L 16.30, LL2 11.85, 1 st 7.41, 2 nd 5.23, 3 rd 3.79, 4 th 2.77, 5 th 1.95, 6 th 1.38, 7 th 1.00, 8 th 0.73 Rev LL 20.58, Rev L 13.03, Rev H 3.43
Auto:	Allison 4430 series 6 speed automatic transmission
PTO:	LH and top PTO openings on bellhousing
Ratios (:1)	1 st 4.70, 2 nd 2.21, 3 rd 1.53, 4 th 1.00, 5 th 0.76, 6 th 0.67 Reverse 5.55

AXLES

Front Axle:	Meritor FG941 on both steer axles
Type:	Elliot reverse I-beam
Capacity:	6,600kgs per axle
Rear Axle:	Meritor RT-40-145P
Type:	Full floating banjo type housing
Capacity:	18,100kgs
Final Drive:	393mm diameter ring gear, inter-axle lock and cross locks on both axles standard
Ratio:	man: 5.285:1 auto: 4.875

CHASSIS

Front Suspension

- Single stage alloy steel taper leaf spring

Rear Suspension

- Hendrickson HAS 461 air bag suspension
- Outboard mounted double acting hydraulic
- 20 865kgs load capacity at ground

Steering

- Power assisted recirculating ball
- Gear ratio: 1st axle: 18.8:1, 2nd axle: 22.9:1
- Turns lock-to-lock 3.8

Chassis Frame

- Cold riveted ladder frame, HT540 weldable steel
- Rail dimensions (mm) 285 x 85 x 7

Chassis Frame (cont.)

- Rail width 950mm at engine/transmission area, 850mm to rear of frame

Brakes

- Meritor Q-Plus dual circuit full air S-cam front & rear drum brakes auto-adjusting slack adjusters and LSPV
- ABS
- Front drum 419mm x 127mm
- Rear drum 419mm x 178mm
- Spring park brake on all rear wheels
- Air controlled exhaust brake
- Air dryer

Wheels and Tyres

- 22.5 x 8.25 steel, painted (except FYJ auto model)
- 22.5 x 8.25 Alcoa aluminium wheels (FYJ auto)
- Steer: 295/80 R22.5 152/148 L tubeless tyres
- Drive: 11 R22.5 148/145 L tubeless tyres

Electrical

- 24 volt negative earth system
- 90 amp alternator
- Batteries - 2 x 115E41L 80Ah, 651CCA @ 18°C

