



ISUZU F-SERIES	FTR 850 TIPPER
ENGINE	
Model	6HK1-TCN
Type	TURBOCHARGED & INTERCOOLED
Fuel Injection	Common Rail
Emission Standard	Euro 2
No. of Cylinders	6
Bore x Stroke (mm)	115 x 125
Displacement (cm ³)	7,790
Compression Ratio (:1)	16.8
Output (kW @ r/min)	176 @ 2,400
Output (hp @ r/min)	236 @ 2400
Torque (Nm @ r/min)	706 @ 1,450
CLUTCH	
Type	SINGLE PLATE
Diameter (mm)	380
Operation	AIR ASSISTED HYDRAULIC CONTROL
TRANSMISSION	
Make / Model	MZW6P
Crawler Gear Ratio (:1)	-
1st Gear Ratio (:1)	6.615
2nd Gear Ratio (:1)	4.095
3rd Gear Ratio (:1)	2.358
4th Gear Ratio (:1)	1.531
5th Gear Ratio (:1)	1.000
6th Gear Ratio (:1)	0.722
7th Gear Ratio (:1)	-
8th Gear Ratio (:1)	-
Reverse Gear Ratio (:1)	6.615
Transfer Case Ratio (:1)	-
PERFORMANCE	
Maximum Speed (km/h)	118
Gradeability @ V in 1st Gear (Low Range, %)	34.59
SUSPENSION	
Front: Multi Leaf Spring	Yes
Stabiliser bar	Yes
Shock Absorbers - Double acting	Yes
Rear: Multi Leaf Spring with Helper Spring	Yes
Stabiliser bar	No
Shock Absorbers - Double acting	No
BRAKES	
System	FULL AIR
Park Brake	REAR WHEELS
Front	DRUM
Rear	DRUM
ABS	STANDARD
Auxiliary	EXHAUST BRAKE
STEERING	
Lock to Lock - No. of turns	4.5
Operation	POWER
CAB	
Control	FORWARD
Tilt Torsion Bar Assistance	YES
Tilt Electro Hydraulic	NO
WHEELS & TYRES	
Type	RADIAL
Tubeless	Yes
Tyre Size (Front)	11R22.5-16PR
Tyre Size (Rear)	11R22.5-16PR
Wheel Size (Front)	8.25x22.5
Wheel Size (Rear)	8.25x22.5
FUEL TANK	
Capacity (Litres)	200
FRONT AXLE	
Model	F063
Type: Reverse Elliot I-Beam	Yes
Full Floating Axle Control; Type	-
REAR AXLE	
Model	R092
Type: Single banjo, Full Floating, Integral Shaft & Drive Flange	Yes
Final Drive Ratio (:1)	5.875
ELECTRICAL SYSTEM	
System Voltage (V)	24
Alternator (Amps)	60
DIMENSIONS (mm)	
OL – Overall Length	6,755
OW – Overall Width	2,400
OH – Overall Height	2,610
WB – Wheelbase	3,900
FOH – Front Overhang	1,440
ROH – Rear Overhang	1,415
BW – Rear Axle Width	2,426
FT – Front Track	1,975
RT – Rear Track	1,820
EH – Chassis Rear Height at Axle	1,110
CWF - Front Chassis Width	850
CWR – Rear Chassis Width	850
HH – Rear Ground Clearance	275
CE – Cab to Chassis End	4,689
CA – Cab to Axle	3,274
GP – Minimum Body Gap	74
Turning Circle (kerb to kerb)	13.35
MASS DATA (kg)	
Manufacturer's GVM	15,000
Permissible Gross Mass (V)	15,000
Manufacturer's GCM	24,000
Permissible Combination Mass (D/T)	24,000
Front Axle Tare Mass	3,030
Rear Axle Tare Mass	1,610
Total Tare Mass	4,640
Gross Axle Mass Load - Front (GA1)	6,300
Gross Axle Mass Load - Rear (GA2)	9,200
Gross Axle Mass Load - Rear (GA3)	NA
Permissible Axle Load - Front (A1)	6,300
Permissible Axle Load - Rear (A2)	9,000
Permissible Axle Load - Rear (A3)	NA
Tyre Capacity - Front	6,300
Tyre Capacity - Rear	11,600
Approx. Body & Payload	10,360
Approach Angle (4x4 Specific)	-
Break-over Angle (4x4 Specific)	-
Departure Angle (4x4 Specific)	-

*Introduction 2012 - Date to be advised