



ISUZU FTR 850 COMPACTOR CHASSIS

SMOD	M220FK2
Axle layout	4X2
Control	Forward

MASS		
Permissible body + payload	kg	10530
Tare - total (T)	kg	4970
Tare - front	kg	3130
Tare - rear	kg	1840
GVM	kg	15500
V	kg	15500
GCM	kg	24000
D/T	kg	24000
Axle - front GA/GAU	kg	6500
Axle - front A/AU	kg	6500
Axle - rear GA/GAU	kg	9200
Axle - rear A/AU	kg	9200
Litres of fuel tank 1 included in tare	ltrs	15
Litres of fuel tank 2 included in tare	ltrs	15
Tools included in tare	Jack, warning triangle, basic tool kit	
Spare wheel included in tare		Yes

PERFORMANCE		
Gradeability at V	%	30
Gradeability at D/T	%	19
Max. geared road speed (Without SLD)	km/h	118
Max allowable speed (SLD for SA)	km/h	80

MAJOR DIMENSIONS		
Overall length	mm	9255
Overall width	mm	2400
Wheelbase	mm	5550
CA - cab to bogie/rear axle	mm	4924
CE - Cab to end of Chassis	mm	7189
OH - Overall height	mm	2830
FOH - Front overhang	mm	1440
ROH - Rear overhang	mm	2265
Rear axle bogie spacing	mm	N/A
1/2 rear axle bogie spacing	mm	N/A
EH - Chassis height rear	mm	1080
HH - Ground Clearance	mm	275
Chassis Width Rear	mm	850
Turning radius (curb to curb)	mm	10700
Turning radius (wall to wall)	mm	11650

ENGINE		
Make		ISUZU
Model		6HK1-TCN
Capacity	cm3	7790
Layout		Diesel inline 6

ENGINE (CONTINUED)		
Type		Turbocharged Intercooled Common Rail
Power at r/min	kW	176 @ 2400
Torque at r/min	Nm	706 @ 1450 - 2400
Emissions standard		Euro 2

CLUTCH		
Make		Exedy
Model		380
Type		Single
Diameter	mm	381
Operation		Hydraulic Air Assisted

TRANSMISSION		
Make		ISUZU
Model		MZW6P
Type		Synchromesh
Shift		Manual Gearshift
No. of gears forward		6
Crawler Gear ratio		-
1st gear ratio		6.615
2nd gear ratio		4.095
3rd gear ratio		2.358
4th gear ratio		1.531
5th gear ratio		1
6th gear ratio		0.722
7th gear ratio		-
8th gear ratio		-
9th gear ratio		-
Rev		6.615
Permanent 4X4		No
Central Differential lock		No
Rear Differential lock		No
Limited Slip differential		No
PTO		PTO Ready

DRIVE AXLE		
Make		ISUZU
Model Drive axle front		F065
Model Drive axle rear		R092
Hypoid		Standard
Final ratio	:1	5.875

SUSPENSION		
Front		Multi-leaf springs

Rear	Multi-leaf springs
Shock absorbers	Front
Stabilisers	Front

STEERING		
Operation		Power

BRAKES		
System type		Full air
Front		Drums
Rear		Drums
Anti-lock braking system (ABS)		Standard
Park/emergency system		Spring
Exhaust brake		Standard
Engine brake		No
Retarder		No
Hill Start Assist (HSA)		No

ELECTRICAL & FUEL		
Fuel tank 1 capacity	ltrs	200
Fuel tank 2 capacity	ltrs	200

TYRES		
Size and ply rating - front & rear (Tubeless - Opt)		11R/22.5
Size and ply rating - front		315/80 R22.5
Size and ply rating - rear		315/80 R22.5

CAB & EXTRAS		
Type		Medium
Roof		Low
No. of bunks		0
No. of seats		3
Airconditioning		Optional
Radio/USB		Optional
Speakers		Standard
USB Charger		Standard
Daytime Running Lights (DRL)		Standard
Telematics		Standard
Driver and far passenger airbags		Standard
Central locking		Standard
Electric windows		Standard
Tachograph		Optional
On-board computer		No
Tilt cab		Yes