

FTR 850 TIPPER



ENGINE

Model		6HK1-TCN
Type		TURBOCHARGED & INTERCOOLED
Fuel Injection		Common Rail
Emmision 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 @ 2 400
Torque	(Nm @ r/min)	706 @ 1 450 - 2 600
Filtration - Fuel:		PRIMARY FILTER WITH WATER TRAP PLUS SECONDARY FILTER
Filtration - oil:		SINGLE

CLUTCH

Diameter	(mm)	380
Total Friction Area	(cm ²)	1 363
Operation		AIR ASSISTED HYDRAULIC CONTROL

TRANSMISSION

Make / Model		MZW6P
Type		6 Speed synchromesh
Controls		Manual Gearshift
Crawler Gear Ratio	(:1)	N/A
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
Reverse Gear Ratio	(:1)	6.615

PERFORMANCE

Maximum Speed (Calculated)	(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 Main 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
ASR		NO
Auxillary		EXHAUST BRAKE
Auto Slack adjusters		STANDARD
Total Friction Area Front	(cm2)	2679
Total Friction Area Rear	(cm2)	3014

STEERING

Operation		POWER
Ratio	(:1)	22.4
Adjustable Steering		YES

CAB

Control		FORWARD
Adjustable Drives Seat		YES
Air Suspension Drive Seat		YES
Fixed Assistants Seat and Centre Seat		YES
Heater and Demister		YES
Cigarette Lighter (24V)		YES
Tilt		YES
Tilt Torsion Bar Assistance		NO

WHEELS & TYRES

Type		RADIAL
Tubeless single piece rim		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
No. of Studs		10

FUEL TANK (Lockable)

Capacity	(Litres)	200 + 200
Lockable Fuel Tank Cap		Yes

FRONT AXLE

Model		F063
Type : Reverse “Elliot” I-Beam		Yes

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	Amp	60
Starter Motor	kW	5
Batteries		2 X 12V 110Ah

AIR INTAKE

Intake		RR Vertical
Primary Air Filter		YES
Secondary Air Filter		YES
Make:		DONALDSON
Service Indicator		NO

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 End Height		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 (curb to curb)		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
Permissible Axle Load - Front (A1)		6300
Permissible Axle Load - Rear (A2)		9000
Tyre Capacity - Front		6 300
Tyre Capacity - Rear		11 600
Approx. Body & Payload		10 360
WARRANTY		
New Vehicle		24 MONTHS / UNLIMITED KM
Cab Corrosion		36 MONTHS / UNLIMITED KM
OPTIONAL		
Aircon		AVAILABLE
PTO Fail Safe system	Compulsary fitment to any operation that requires a PTO	
Radio / CD / (24V)		AVAILABLE
Techo Graph		AVAILABLE
MISCELLANEOUS EQUIPMENT		
Jack, warning triangle, basic tool kit		YES
Owners handbook & service hand booklet		YES
Rear Chevron board		YES

Specifications correct at time of publish. E & OE.

January 2013