

# FTS 750 4X4 DWA



## 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 <sup>3</sup> )	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
Filtration - Fuel:		PRIMARY FILTER WITH WATER TRAP PLUS SECONDARY FILTER
Filtration - oil:		SINGLE

## CLUTCH

Diameter	(mm)	380
Total Friction Area	(cm <sup>2</sup> )	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
Transfer Case Ratio		1.913

## PERFORMANCE

Maximum Speed ( Calculated )	(km/h)	111
Gradeability @ V in 1st Gear (low range)	(%)	39.22

## SUSPENSION

<b>Front</b> : Multi Leaf Spring	YES
Stabiliser bar	YES
Shock Absorbers - Double acting	YES
<b>Rear</b> : Multi Leaf Main Spring with Helper Spring	YES
Stabiliser bar	NO
Shock Absorbers - Double acting	YES

BRAKES

System		AOH
Park Brake		REAR WHEELS
Front		DRUM
Rear		DRUM
ABS		N / A
ASR		NO
Auxillary		EXHAUST BRAKE
Auto Slack adjusters		STANDARD
Total Friction Area Front	(cm2)	1926
Total Friction Area Rear	(cm2)	2344

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)		10R22.5-14PR
Tyre Size (Rear)		10R22.5-14PR
Wheel Size (Front)		7.25x22.5
Wheel Size (Rear)		7.25x22.5
No. of Studs		10

FUEL TANK (Lockable)

Capacity	(Litres)	200
Lockable Fuel Tank Cap		Yes

FRONT AXLE

Model		F047
Type : Reverse “Elliot” I-Beam		-
Full Floating Axle Control Type		Yes

REAR AXLE

Model		R092
Type : Single banjo, Full Floating, Integral Shaft & Drive Flange		Yes
Final Drive Ratio	(:1)	5.571

ELECTRICAL SYSTEM

System Voltage	(V)	24
Alternator	Amp	60
Starter Motor	kW	5
Batteries		2 X 12V 70Ah

AIR INTAKE

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

<b>DIMENSIONS</b>		(mm)
OL – Overall Length		7 405
OW – Overall Width		2 400
OH – Overall Height		2 910
WB – Wheelbase		4 250
FOH – Front Overhang		1 255
ROH – Rear Overhang		1 900
BW – Rear Axle Width		2 390
FT – Front Track		1 965
RT – Rear Track		1 810
EH – Chassis Rear End Height		1 180
CWF - Front Chassis Width		850
CWR – Rear Chassis Width		850
HH – Rear Ground Clearance		257
CE – Cab to Chassis End		5 340
CA – Cab to Axle		3 440
GP – Minimum Body Gap		90
Turning Circle (curb to curb)		16.78
<b>MASS DATA</b>		(kg)
Manufacturer's GVM		13 500
Permissible Gross Mass (V)		13 500
Manufacturer's GCM		18 000
Permissible Combination Mass (D/T)		18 000
Front Axle Tare Mass		3 020
Rear Axle Tare Mass		1 940
Total Tare Mass		4 960
Gross Axle Mass Load - Front (GA1)		4 700
Gross Axle Mass Load - Rear (GA2)		9 200
Permissible Axle Load - Front (A1)		4700
Permissible Axle Load - Rear (A2)		9000
Tyre Capacity - Front		5 000
Tyre Capacity - Rear		10 600
Approx. Body & Payload		8 540
Approach Angle (4x4 Specific)		
Break-over Angle (4x4 Specific)		
Departure Angle (4x4 Specific)		
<b>WARRANTY</b>		
New Vehicle		24 MONTHS / UNLIMITED KM
Cab Corrosion		36 MONTHS / UNLIMITED KM
<b>OPTIONAL</b>		
Aircon		AVAILABLE
PTO Fail Safe system	Compulsary fitment to any operation that requires a PTO	
Radio / CD / (24V)		AVAILABLE
Techo Graph		AVAILABLE
<b>MISCELLANEOUS EQUIPMENT</b>		
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.

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