

FVR 900

ISUZU
TRUCKS
For the long run

ENGINE

Model		6HK1-TCS
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)	206 @ 2,400
Output	(hp @ r/min)	276 @ 2,400
Torque	(Nm @ r/min)	882 @ 1,450
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		ZF9S1110
Type		9 Speed synchromesh
Controls		Manual Gearshift
Crawler Gear Ratio	(:1)	9.479
1st Gear Ratio	(:1)	6.580
2nd Gear Ratio	(:1)	4.700
3rd Gear Ratio	(:1)	3.480
4th Gear Ratio	(:1)	2.620
5th Gear Ratio	(:1)	1.890
6th Gear Ratio	(:1)	1.350
7th Gear Ratio	(:1)	1.000
8th Gear Ratio	(:1)	0.750
9th Gear Ratio	(:1)	-
10th Gear Ratio	(:1)	-
11th Gear Ratio	(:1)	-
12th Gear Ratio	(:1)	-
13th Gear Ratio	(:1)	-
14th Gear Ratio	(:1)	-
15th Gear Ratio	(:1)	-
Reverse Gear Ratio	(:1)	8.970
Transfer Case Ratio		-

PERFORMANCE

Maximum Speed (Calculated)	(km/h)	119
Gradeability @ V in 1st Gear (low range)	(%)	38.15

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	YES
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	(cm ²)	2679
Total Friction Area Rear	(cm ²)	3014
Retarder		

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)		295/80R22.5
Tyre Size (Rear)		295/80R22.5
Wheel Size (Front)		8.25x22.5
Wheel Size (Rear)		8.25x22.5
No. of Studs		10

FUEL TANK (Lockable)

Capacity	(Litres)	400
Lockable Fuel Tank Cap		Yes

FRONT AXLE

Model		F071
Type : Reverse "Elliot" I-Beam		Yes
Full Floating Axle Control Type		-

REAR AXLE

Model		R105
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 110Ah

AIR INTAKE

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

DIMENSIONS**(mm)**

OL – Overall Length	10 005
OW – Overall Width	2 400
OH – Overall Height	2 790
WB – Wheelbase	6 050
FOH – Front Overhang	1 440
ROH – Rear Overhang	2 515
BW – Rear Axle Width	2 460
FT – Front Track	1 975
RT – Rear Track	1 845
EH – Chassis Rear End Height	1 050
CWF - Front Chassis Width	850
CWR – Rear Chassis Width	850
HH – Rear Ground Clearance	245
CE – Cab to Chassis End	7 939
CA – Cab to Axle	5 424
GP – Minimum Body Gap	74
Turning Circle (curb to curb)	20.65

MASS DATA**(kg)**

Manufacturer's GVM	16 000
Permissible Gross Mass (V)	16 000
Manufacturer's GCM	32 000
Permissible Combination Mass (D/T)	32 000
Front Axle Tare Mass	3 300
Rear Axle Tare Mass	2 200
Total Tare Mass	5 500
Gross Axle Mass Load - Front (GA1)	7 100
Gross Axle Mass Load - Rear (GA2)	10 500
Permissible Axle Load - Front (A1)	7100
Permissible Axle Load - Rear (A2)	9000
Tyre Capacity - Front	7 100
Tyre Capacity - Rear	12 600
Approx. Body & Payload	10 500
Approach Angle (4x4 Specific)	-
Break-over Angle (4x4 Specific)	-
Departure Angle (4x4 Specific)	-

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.

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