

# FTR 850

**ISUZU**  
TRUCKS  
*For the long run*

## 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 - 2 600                                  |
| 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               |

## PERFORMANCE

|  |        |       |
|--|--------|-------|
| Maximum Speed ( Calculated )             | (km/h) | 118   |
| Gradeability @ V in 1st Gear (low range) | (%)    | 34.59 |

## 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                         | 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          |
| 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)         |  | 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  |
| 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     | 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          |

| <b>DIMENSIONS</b>                      |  | (mm)  |
|--|--|---|
| OL – Overall Length                    |  | 9 255   |
| OW – Overall Width                     |  | 2 400   |
| OH – Overall Height                    |  | 2 790   |
| WB – Wheelbase                         |  | 5 550   |
| FOH – Front Overhang                   |  | 1 440   |
| ROH – Rear Overhang                    |  | 2 265   |
| BW – Rear Axle Width                   |  | 2 426   |
| FT – Front Track                       |  | 1 975   |
| RT – Rear Track                        |  | 1 820   |
| EH – Chassis Rear End Height           |  | 1 080   |
| CWF - Front Chassis Width              |  | 850   |
| CWR – Rear Chassis Width               |  | 850   |
| HH – Rear Ground Clearance             |  | 275   |
| CE – Cab to Chassis End                |  | 7 189   |
| CA – Cab to Axle                       |  | 4 924   |
| GP – Minimum Body Gap                  |  | 74  |
| Turning Circle (curb to curb)          |  | 18.44   |
| <b>MASS DATA</b>                       |  | (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                   |  | 3 080   |
| Rear Axle Tare Mass                    |  | 1 810   |
| Total Tare Mass                        |  | 4 890   |
| 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                 |  | 10 110  |
| <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.