

# BROOKS HIRE

*"Better Being With Brooks"*

## ADVANCED DESIGN EXCEPTIONAL OUTPUT



### FLATBED TRUCK

## FYH300-350

Product Specifications

GROSS VEHICLE MASS  
**27,500 kg**

MAX. LOAD WEIGHT  
**16,400 kg**

POWER  
**257 kW @ 2,000 rpm**

TORQUE  
**1,422 Nm @ 1,400 rpm**

## FYJ 300-350 8X4

### DRIVELINE AND CHASSIS SPECIFICATIONS

#### ENGINE: ISUZU 6UZ1-TCN

Type: 6 cylinder 24 valve SOHC  
 Displacement: 9,839 cc  
 Compression Ratio: 17.5:1  
 Bore x Stroke: 120 mm x 145 mm  
 Max power (DIN-NET): 257 kW (345 HP) @ 2,000 RPM  
 (JIS Gross): 265 kW (355 HP) @ 2,000 RPM  
 Max torque (DIN-NET): 1,422 Nm (1,049 lb.ft) @ 1,400 RPM  
 (JIS Gross): 1,472 Nm (1,086 lb.ft) @ 1,400 RPM  
 Induction system: Electronically controlled variable nozzle turbocharger with air-to-air intercooler.  
 Fuel injection: Direct injection high pressure common rail system.  
 Emission control system: Cooled EGR with exhaust Diesel Oxidation Catalyst (DOC).ADR 80/03 (Euro V) compliant.

ENGINE DRIVEN PTO (PTO model only):  
 • Constant mesh. Rotates at 1.1 x engine speed.  
 • 440 Nm maximum output torque.  
 • Anti-clockwise rotation when viewed from rear of engine.

#### CLUTCH (MANUAL TRANSMISSION MODEL)

• Air assisted hydraulic control. Single plate 432 mm diameter.  
 • Total lining area: 1,923 cm<sup>2</sup>

#### TRANSMISSION

Eaton RTO 11908LL (PTO model only)

• 10 speed constant mesh.

• Gear ratios (:1)

| LL    | L    | 1st  | 2nd   | 3rd  | 4th  | 5th  |
|-------|------|------|-------|------|------|------|
| 14.56 | 9.42 | 6.24 | 4.63  | 3.40 | 2.53 | 1.83 |
| 6th   | 7th  | 8th  | RLL   | RL   | RH   |      |
| 1.36  | 1.00 | 0.74 | 15.22 | 9.85 | 2.89 |      |

ZF 9 S 1310 TO (FYJ LWB manual, FYJ XLWB manual model)

• 9 speed with synchromesh on gears 1-8. Repeat 'H' shift pattern.  
 • PTO provision at rear of transmission case.

• Gear ratios (:1) Crawler: 9.48

| 1st  | 2nd  | 3rd  | 4th  | 5th  | 6th  | 7th  | 8th  | RV   |
|------|------|------|------|------|------|------|------|------|
| 6.58 | 4.68 | 3.48 | 2.62 | 1.89 | 1.35 | 1.00 | 0.75 | 8.97 |

ALLISON 4430 series (auto model)

• 6 speed automatic. 5th generation electronic controls with adaptive shift.  
 • Allison long life TranSynd synthetic fluid.  
 • LHS and top PTO openings on transmission bellhousing. Engine driven PTO drive gear.

• Gear ratios (:1)

| 1st  | 2nd  | 3rd  | 4th  | 5th  | 6th  | RV   |
|------|------|------|------|------|------|------|
| 4.70 | 2.21 | 1.53 | 1.00 | 0.76 | 0.67 | 5.55 |

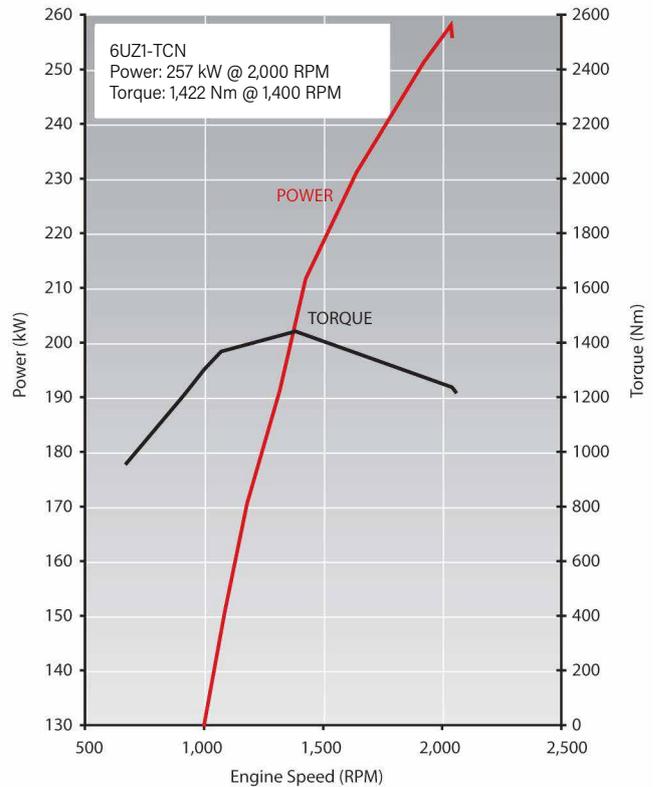
#### AXLES

Front: MERITOR

• 2x FG941 reverse Elliot I-beams. 6,600 kg capacity each.

Rear: MERITOR

• MT-14X tandem axle set, 18,100kg capacity.  
 • Driver controlled inter-axle lock and cross locks on both axles.  
 • Drive ratio: 4.875:1 (manual models), 5.286:1 (auto models)



#### SUSPENSION

Front:

• Single stage alloy steel taper-leaf springs.  
 • Double acting hydraulic shock absorbers fitted to both axles. Stabiliser bar fitted to 1st front axle.  
 • Load sharing front suspension equalisers with shock absorbers.

Rear: (FYH 300-350)

• Taper-leaf springs with Isuzu 6 rod and trunnion location system.

Rear: (FYJ 300-350)

• Hendrickson HAS461 airbag, 20,865kg capacity at ground  
 • Outboard mounted double acting shock absorbers

#### BRAKES

• Meritor 'Q-Plus' dual circuit full air 'S-cam' front and rear drum brakes with auto slack adjusters.

• ABS.

• Front drum size: 419 x 152 mm

• Rear drum size: 419 x 178 mm

• Spring park brake acting on all rear wheels.

• Air controlled exhaust brake.

• Air dryer.

#### STEERING

• Power assisted recirculating ball steering.

• Turns lock to lock: 3.8

• Overall gear ratio: 1st axle: 18.8:1, 2nd axle: 22.9:1

• Maximum angle:

1st axle: 40.0° (inside wheel) / 32.2° (outside wheel)

2nd axle: 34.0° (inside wheel) / 28.6° (outside wheel)



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## FYJ 300-350 8X4

### WHEELS AND TYRES

- Ten stud ISO standard wheels:  
22.5 x 8.25 steel (except FYJ AUTO MWB)  
22.5 x 8.25 Alcoa aluminium wheels (FYJ AUTO MWB)
- Steer axle:  
295/80R22.5 152/148M Michelin X Multi Z Tubeless
- Drive axles:  
11R22.5 148/145L Michelin X Multi D Tubeless
- Maximum tyre rating:  
Steer axle: 14,200kg  
Tandem drive axle set: 23,200kg
- Spare wheel rim supplied.

### CHASSIS FRAME

#### FUEL TANK

- Frame mounted 400L aluminium fuel tank.
- Lockable fuel cap.

#### ELECTRICAL SYSTEM

- 24 volt electrical system.
- 90 amp alternator.
- 24 volt, 5.0 kW starter motor.
- 2 x 115E41L (651 CCA) batteries connected in series

## CABIN SPECIFICATIONS AND APPOINTMENTS

### CAB EXTERIOR

- All steel construction with electro-hydraulic cab tilt. High tensile steel used for cab underframe.
- Full floating cab with coil spring suspension and hydraulic shock absorbers.
- Heavy duty non slip entry steps.
- 90° opening internally reinforced front doors.
- Water spray suppression guards and front mudflaps.
- Laminated windscreen with shade band.
- Two speed windscreen wipers with intermittent wipe mode.
- Halogen multi-reflector headlamps incorporating turn signals and front foglamps. Additional door mounted side indicator lamps.
- Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm.
- Roof-mounted clearance lamps.
- Heated and powered exterior main mirrors with flat glass and additional powered convex "spot" mirrors.
- Chrome grille.
- Body coloured steel air dam bumper.
- FUPD underbar - complies with ECE-R93.

### CAB INTERIOR

- Isri 6860 air suspension driver's seat with pneumatic lumbar support, height, rake and automatic weight adjustment.
- Front passenger adjustable bucket seat and front centre seat with folding seat back.
- 3-point lap sash seatbelts in all outboard seating positions. Driver seatbelt with pretensioner integrated with driver seat. Centre seat lap belts.
- ADR 42 compliant sleeper with mattress.
- Driver airbag.
- Door and roof pillar entry assist grips.
- Full interior trim, padded roof lining and vinyl floor covering. Overhead front storage compartments.
- Tilt/Telescopic adjustable steering column, soft feel urethane steering wheel.
- Electric windows.
- Central locking with remote keyless entry.
- Twin cup holders. 24V cigarette lighter. Dashboard hook.
- Front door mounted storage pockets and driver's side ashtray.
- Centre console box with storage tray.
- Front passenger glovebox.
- Fully integrated auto control air conditioning and heater/demister with 4-speed fan and outlets for windscreen, side windows, face and floor.
- Fluorescent type interior lamp with On/Door/Off switch.
- 2 DIN, two speaker multimedia unit with 6.2" LCD capacitive touch screen. 1.6GHz processor with Android operating system. DAB+ digital radio and fully integrated Bluetooth with voice recognition. Inbuilt PDF, photo and movie viewer. Internet radio accessible via smartphone. 32GB internal file storage. USB and auxilliary input connection provisions. Firmware and map updates possible via smartphone.
- DIN sized compartment for storage or for CB radio installation.

### ISUZU SATELLITE NAVIGATION

Integrated with multimedia unit. Displayed information includes:

- Points of interest and Isuzu truck dealer locations.
- Road safety alerts.
- Speed limits and traffic signals.
- Route selection based on entered information such as vehicle weight and dimensions.

### DRIVER CONTROLS

- Key-operated engine start/stop and steering lock. Engine idle speed control.
- Inter-axle lock and cross lock engage switches.
- Pushbutton gear selection control (auto model).
- Left side combination stalk: Windscreen wipers, washers and exhaust brake.
- Right side combination stalk: Turn signals, headlamps and cruise control.

### INSTRUMENTATION

- Electronically driven speedometer and tachometer. Digital odometer with integrated dual tripmeter. Engine coolant temperature, fuel level and air pressure gauges.
- Warning lamps: Check engine, oil pressure, ABS, SRS airbag, alternator charge, service brakes, park brake, seatbelt unfastened, low air pressure, low fuel level, cab lock.
- Indicator lamps: Warm up system, high beam, exhaust brake, turn signals, inter-axle lock, cruise control.
- Transmission oil level, oil life, filter life, and condition monitor display (auto model).
- Multi information display. Shows service interval, vehicle systems status, instantaneous and average fuel consumption, hourmeter, voltmeter, time/day/date and includes 40-120km/h adjustable vehicle speed warning.

### GENUINE ACCESSORIES

Include the following (extra cost, request a brochure and further details from your Isuzu dealer):

Multimedia unit:

- Supports up to five camera inputs. One low light capable digital camera and rear microphone input active when reversing. Four analogue cameras.
- Reversing sensors.
- Tyre pressure monitoring system.

Other:

- Airbag compatible bullbar.
- Air deflector.



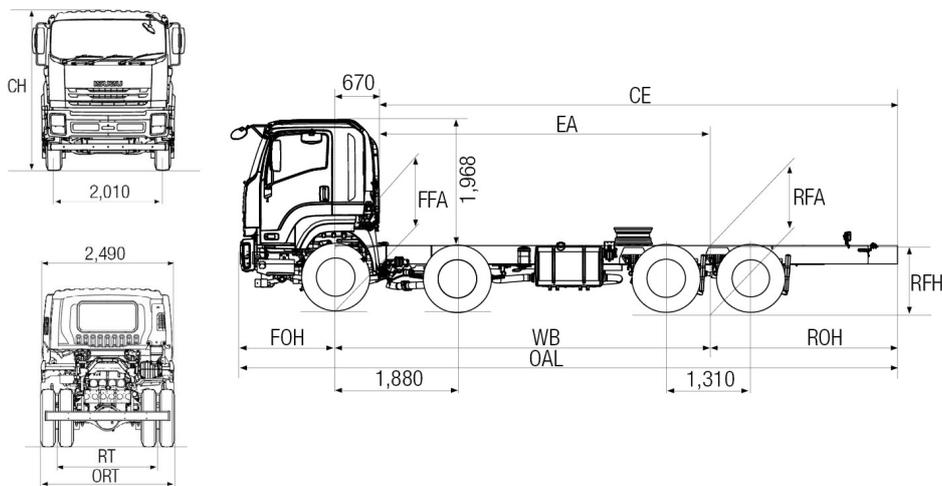
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## FYJ 300-350 8X4

| WEIGHTS (kg)          |           |        |                             |        |                     |       |       |
|-----------------------|-----------|--------|-----------------------------|--------|---------------------|-------|-------|
| Models                | Ratings** |        | Loading Limit** (at ground) |        | Cab Chassis Weight# |       |       |
|                       | GVM       | GCM    | Front                       | Rear   | Front               | Rear  | Total |
| FYH 300-350 PTO MWB   | 30,000    | 45,000 | 13,200                      | 18,100 | 5,810               | 2,835 | 8,645 |
| FYH 300-350 AUTO MWB  | 30,000    | 45,000 | 13,200                      | 18,100 | 5,720               | 2,830 | 8,550 |
| FYH 300-350 PTO LWB   | 30,000    | 45,000 | 13,200                      | 18,100 | 5,805               | 2,960 | 8,765 |
| FYH 300-350 AUTO LWB  | 30,000    | 45,000 | 13,200                      | 18,100 | 5,730               | 2,910 | 8,640 |
| FYJ 300-350 PTO MWB   | 30,000    | 45,000 | 13,200                      | 18,100 | 5,820               | 2,595 | 8,415 |
| FYJ 300-350 AUTO MWB  | 30,000    | 45,000 | 12,000                      | 18,100 | 5,665               | 2,510 | 8,175 |
| FYJ 300-350 LWB       | 30,000    | 45,000 | 13,200                      | 18,100 | 5,480               | 2,715 | 8,195 |
| FYJ 300-350 AUTO LWB  | 30,000    | 45,000 | 13,200                      | 18,100 | 5,730               | 2,680 | 8,410 |
| FYJ 300-350 XLWB      | 30,000    | 45,000 | 13,200                      | 18,100 | 5,500               | 2,750 | 8,250 |
| FYJ 300-350 AUTO XLWB | 30,000    | 45,000 | 13,200                      | 18,100 | 5,720               | 2,740 | 8,460 |

\*\*Vehicle ratings and front/rear weight limits are subject to government regulatory requirements and weight distribution analysis. Consult your Isuzu dealer to select the correct vehicle for your specific application.  
# Cab chassis only as supplied and including 10 litres of fuel.

| DIMENSIONS (mm)                |       |        |       |       |       |       |       |       |       |               |               |               | Turn Circle (m) |
|--------------------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|---------------|---------------|---------------|-----------------|
| Models                         | WB    | OAL    | FOH   | ROH   | EA    | CE    | RT    | ORT   | CH    | FFA (unladen) | RFA (unladen) | RFH (unladen) | KERB TO KERB    |
| FYH 300-350 PTO MWB / AUTO MWB | 5,770 | 9,720  | 1,480 | 2,470 | 5,100 | 7,570 | 1,840 | 2,445 | 3,000 | 940           | 1,105         | 1,135         | 20.4            |
| FYH 300-350 PTO LWB / AUTO LWB | 6,010 | 10,290 | 1,480 | 2,800 | 5,340 | 8,140 | 1,840 | 2,445 | 3,000 | 940           | 1,100         | 1,140         | 21.0            |
| FYJ 300-350 PTO MWB / AUTO MWB | 5,770 | 9,720  | 1,480 | 2,470 | 5,100 | 7,570 | 1,840 | 2,445 | 3,000 | 940           | 1,050         | 1,050         | 20.4            |
| FYJ 300-350 LWB / AUTO LWB     | 6,010 | 10,290 | 1,480 | 2,800 | 5,340 | 8,140 | 1,840 | 2,445 | 3,000 | 940           | 1,050         | 1,050         | 21.0            |
| FYJ 300-350 XLWB / AUTO XLWB   | 6,700 | 10,980 | 1,480 | 2,800 | 6,030 | 8,830 | 1,840 | 2,445 | 3,000 | 940           | 1,050         | 1,050         | 23.5            |



| PERFORMANCE (calculated - typical paved road) |                  |  |  |                                       |
|---|------------------|--|--|---------------------------------------|
|   |                  | Geared Speed*<br>(top gear at peak power engine RPM) | Low Speed Gradeability<br>(lowest forward gear assuming no wheel slip) | Engine Speed<br>(top gear at 100km/h) |
| FYH/FYJ 300-350 PTO                           | At 30,000 kg GVM | 107 km/h @ 2,000 RPM                                 | 59%  | 1,865 RPM                             |
| FYJ 300-350 AUTO                              | At 30,000 kg GVM | 109 km/h @ 2,000 RPM                                 | 48%  | 1,830 RPM                             |
| FYJ 300-350 LWB / XLWB                        | At 30,000 kg GVM | 106 km/h @ 2,000 RPM                                 | 38%  | 1,890 RPM                             |

\* Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information. Vehicle is speed limited to 100 km/h.

### ADVANCED TECHNOLOGY

|  |                                |   |   |
|--|--------------------------------|---|---|
| Emissions: Euro V / ADR 80/03            | Protection Device (FUPD)       | Coil spring cab suspension                                  | Cruise control                          |
| Driver airbag with seatbelt pretensioner | Anti-lock Braking System (ABS) | Front stabiliser bar  | ISRI 6860 seat with integrated seatbelt |
| ADR 42 compliant sleeper with mattress   | Cross locks                    | Load sharing front suspension equaliser with shock absorber |   |
| ECE-R93 compliant Front Underun          | Electro-hydraulic cab tilt     |   |   |



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<sup>1</sup> Subject to the conditions outlined in the IAL New Vehicle Warranty, the Isuzu FY models carry a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 36 months or 250,000 km or 4,000 hrs (whichever comes first), (ii) against cab perforation corrosion, for 36 months and unlimited kilometres. <sup>2</sup> Extended Warranty as illustrated may be purchased to cover the owner against the failure of original components, but may exclude some components and expendable items such as oil, filters, etc. \*Valid for three years from the date of new vehicle purchases. All Isuzu warranties are subject to mandatory prescribed terms under Australian Consumer law including customer guarantees. For more details visit the Isuzu website which explains Isuzu warranties in more detail, or alternatively contact your local dealer. All warranties commence from date of delivery.

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