

# HINO

# 500 Series

# FL 2628



\* Illustration may contain items not standard to the model

**ADR 80/03 Model**  
**6 x 2 Cab Chassis**

## KEY FEATURES

- Vehicle Stability Control (VSC) with ASR
- Polished Aluminium Wheels
- Cruise Control
- Reverse Camera
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6860/870 Drivers seat with integrated Safety Belt
- ECE R-29 Cab Strength Certified
- HAS 400 Air Rear Suspension with ECAS

## KEY SPECIFICATIONS

|  |                             |
|--|-----------------------------|
| <b>GVM</b> . . . . .                       | 26,000kg                    |
| <b>GCM</b> . . . . .                       | 38,000kg                    |
| <b>Power</b> . . . . .                     | 280hp/206kW                 |
| <b>Torque</b> . . . . .                    | 883Nm                       |
| <b>Transmission</b> . . . . .              | Six-speed Allison Automatic |
| <b>Nominal Wheelbases</b> . . . . .        | 6.5m                        |
| <b>Max. Nominal Body Length#</b> . . . . . | 9.3m                        |

A Toyota Group Company

 **HINO**  
A BETTER CLASS OF TRUCK



# FL 2628

## Engine & Driveline Specifications

### ENGINE

|                         |  |
|-------------------------|--|
| Model                   | J08E-WA  |
| Max. Output (ISO Net)   | 280hp/206kW @ 2,500 RPM  |
| Max. Torque (ISO Net)   | 883Nm @ 1,500 RPM  |
| Max. Engine Speed       | 2,700 RPM  |
| Engine Compliance       | ADR 80/04 using Euro 5 STD   |
| Type                    | Turbocharged & Intercooled, 6 cylinder in-line, overhead camshaft & fluid cooled |
| Combustion System       | Direct Injection   |
| Bore & Stroke           | 112 x 130mm  |
| Piston Displacement     | 7.687L   |
| Compression Ratio       | 18.0:1   |
| Engine Oil Capacity     | 13.5L  |
| Coolant Fluid Capacity  | 25L  |
| Fuel Injection System   | Electronic control common-rail type  |
| Air Intake System       | Stack-type   |
| Air Cleaner             | Dual paper elements  |
| Air Compressor          | Single cylinder, fluid cooled<br>85 x 60mm                                       |
| Fan Clutch              | Equipped   |
| Exhaust                 | Horizontal   |
| Emission Control System | Selective Catalytic Reduction (SCR)  |
| Engine Immobilizer      | Equipped   |

### TRANSMISSION & GEAR RATIOS

|                          |   |       |
|--------------------------|---|-------|
| Make & Description       | Automatic   |       |
|                          | Allison 3500 series 6 speed with Electronic Control |       |
| Type                     | Double Overdrive                                    |       |
| Gear Ratios              | 1   | 4.593 |
|                          | 2   | 2.257 |
|                          | 3   | 1.535 |
|                          | 4   | 1.000 |
|                          | 5   | 0.749 |
|                          | 6   | 0.651 |
|                          | Rev   | 4.999 |
| Torque convertor & Ratio | TC 415  | 2.35  |
| Rear axle Ratio          | 6.428   |       |

### PERFORMANCE

|   |           |
|---|-----------|
| Calculations based on 26.0 t GVM with 11R22.5 drive tyres |           |
| Transmission  | Automatic |
| Rear Axle Ratio   | 6.428     |
| Engine RPM @ 100 km/h                                     | 2,200     |
| Max theoretical speed (km/h)                              | 122       |
| Gradeability tan $\theta$ (%) @ GVM                       | 47.5      |
| Speed limited to (km/h)                                   | 100       |

### BRAKES

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Type                            | Full Air, dual circuit, "S"cam        |
| Drum & Lining sizes             | Front : 410 x 150mm                   |
| Diameter x Width                | Rear : 410 x 220mm                    |
| Auto adjusters                  | Equipped                              |
| Vehicle Stability Control (VSC) | Equipped                              |
| Anti-lock Braking System (ABS)  | Equipped                              |
| Anti-Slip Regulator (ASR)       | Equipped                              |
| Air Dryer                       | Equipped                              |
| Park Brake                      | Spring Brake, acting on FA & FR axles |
| Exhaust Brake                   | Equipped                              |

### AXLE, SUSPENSION & LOAD LIMITS

|                                   |                                     |  |
|-----------------------------------|-------------------------------------|--|
| FRONT                             | Front Axle Model                    | MF 78IR  |
|                                   | Type                                | I-Beam, Reverse Elliot                               |
|                                   | Suspension                          | Taper leaf springs with shock absorbers & stabiliser |
|                                   | Spring Dimensions                   | 1,700 x 90 x 28.8 x 1                                |
|                                   | Length x Width x Thickness x Number | 1,700 x 90 x 30.3 x 1                                |
|                                   | Spring Rate                         | 32.8 kgf/mm  |
|                                   | Axle Limit (including suspension)   | 6,500 kg   |
| REAR                              | Tyre Limit                          | 7,100 kg   |
|                                   | Rear Axle Model                     | SH17 with Tag Lazy axle                              |
|                                   | Type                                | Fully floating, single reduction, hypoid             |
|                                   | Suspension                          | Air bag  |
|                                   | Make                                | Hendrickson  |
|                                   | Model                               | HAS 400  |
|                                   | Height Control                      | Electronic Control Air Suspension (ECAS)             |
| Road Friendly N/o                 | N/o RF 2005                         |  |
| Axle Limit (including suspension) | 20,000 kg                           |  |
| Tyre Limit                        | 23,200 kg                           |  |

### WHEELS & TYRES

|                    |                            |
|--------------------|----------------------------|
| Material           | Polished Aluminium         |
| Wheel type         | 10-stud disc (ISO) 335 PCD |
| Rim size (in)      | 22.5 x 8.25 – 165mm offset |
| Tyre size          | Front: 295/80R22.5 152/148 |
|                    | Rear: 11R22.5 148/145      |
| Number of tyres    | 11                         |
| Spare Tyre Carrier | Equipped                   |

### FUEL TANK

|                         |           |
|-------------------------|-----------|
| Material                | Aluminium |
| Capacity                | 390L      |
| Lockable cap            | Equipped  |
| Pre Filter & sedimenter | Equipped  |
| AdBlue® tank capacity   | 59L       |

### STEERING

|                 |   |
|-----------------|---|
| Type            | Telescopic & tilt steering column with locking device.<br>Recirculating ball with internal Power Steering |
| Steering Angles | Inner 49°   |
|                 | Outer 34°   |



# FL 2628

## Cab, Instrumentation & Chassis

### CAB DETAILS

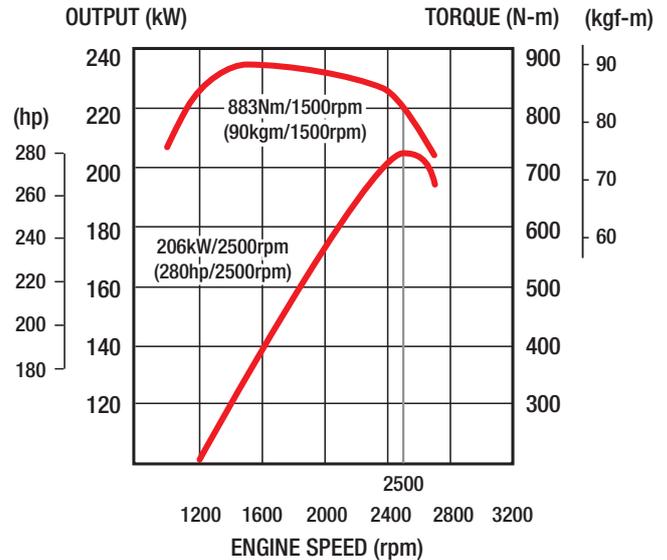
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| Type                            | Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism  |
| ECE R-29 Cab strength           | Compliant  |
| Drivers SRS Airbag              | Equipped   |
| Seating capacity                | Three  |
| Driver's seat                   | ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, air suspended, with integrated safety belt |
| Side passenger's seat           | Urethane foam pads, high-back & reclining seat with fabric cover, air suspension   |
| Centre passenger's seat         | Urethane foam pads & foldaway type with seat back tray, fabric cover   |
| Seat belt                       | 3-point type on driver's & side passenger's seat 2-point type on centre passenger seat   |
| Sun visor and overhead console  | For driver & passenger sides   |
| Windshield wipers               | Electric, dual, intermittent & 2-speed   |
| Ventilator                      | Forced type by electric blower   |
| Rear view mirrors               | External: Electric Control & heated flat type, Convex spotters both sides and Left side kerb view                              |
| 12V/120w Socket                 | Equipped   |
| Floor mat                       | Vinyl type   |
| Central locking & keyless entry | Equipped   |
| Heater and defroster            | Standard   |
| Air conditioner                 | Standard   |
| Trim                            | Full trim type (side, roof & back)   |
| Cab pockets                     | Equipped on both door sides  |
| Power windows                   | Equipped   |
| Rest area                       | Equipped   |
| Audio/visual display            | DAB+ AM/FM radio with CD & DVD player, Bluetooth and Reverse Camera Display  |
| Speakers                        | Driver & passenger   |
| Foot rest                       | Equipped   |
| Cup holders                     | Equipped   |
| Cruise control                  | Equipped   |

### ELECTRICAL

|                          |                                    |
|--------------------------|------------------------------------|
| Type                     | 24V, negative earth                |
| Batteries                | 12V x 2, series connection, 120 Ah |
| Alternator Type          | Brushless, with built-in regulator |
| Capacity                 | 24V, 90 Amp                        |
| Starter Type             | 24V, 5.0 kW                        |
| Headlamps                | Halogen type with manual levelling |
| High/low beam            | Equipped                           |
| LED Fog Lamps (white)    | Equipped                           |
| Fluorescent Reading Lamp | Equipped                           |
| Electric air horn        | Equipped                           |

### POWER & TORQUE CHART (ISO Net) J08E-WA

#### J08E-WA



### INSTRUMENTS

| Meters                                 | Additional Switches & Controls |
|--|--------------------------------|
| Speedometer                            | External flat mirror Control   |
| Tachometer                             | Idle up Control                |
| <b>LCD Gauges</b>                      | Quick warm up switch           |
| Air pressure (2)                       | VSC/ASR off switch             |
| Fuel                                   | Headlight Levelling            |
| AdBlue®                                | Fog Lamp                       |
| Engine Temperature                     | ECAS remote                    |
| Odometer plus trip meter               |                                |
| <b>Multi Information Display (MID)</b> |                                |
| Fuel Consumption                       |                                |
| Service reminders                      |                                |
| Warnings                               |                                |
| Faults                                 |                                |

### CHASSIS FRAME

|  |  |
|--|--|
| Type   | Ladder-shaped channel section side rails with Grid hole design |
| Chassis outer width (at rear)                    | 840mm  |
| Main section (mm)<br>Depth x flange x Thickness) | 300 x 80 x 8.0   |
| Tensile strength                                 | 620 N/mm <sup>2</sup> (63 kgf/mm <sup>2</sup> )                |
| Front Underrun Protection (FUP)                  | Equipped   |
| Front and rear tow hook                          | Equipped   |

### GENUINE ACCESSORY OPTIONS

|                 |  |
|-----------------|--|
| Bull bar        | GPS Satellite Navigation               |
| Stoneguard      | External Vision Cameras (additional 2) |
| Sunvisor        | LED Driving Lights                     |
| Seat covers     | Hino Traq (Telematics)                 |
| Floor mats      | Engine driven PTO                      |
| Dash mats       | 1:0.72 step-down                       |
| Weather shields | or 1:1.08 step-up                      |

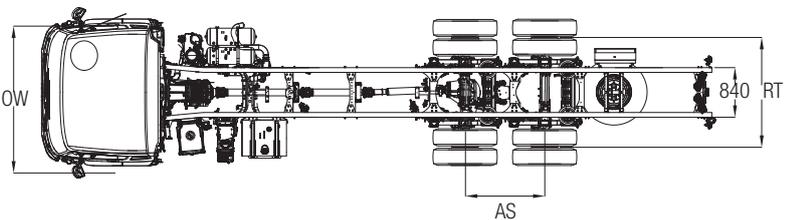
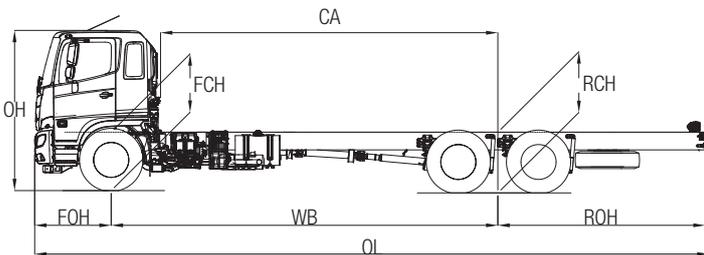
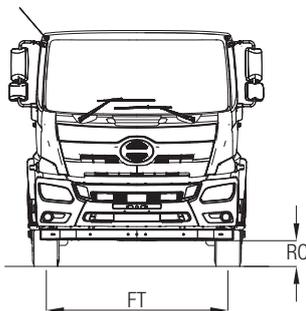
Please check with your dealer for price, availability & fitment for these options



# FL 2628

# 500 Series

## Dimensions



### DIMENSIONS – mm/capacities

|   |                  |
|---|------------------|
| Model   | FL 2628 XX LONG  |
| Transmission  | AUTO             |
| Model Code  | FL8JW1G-WHU      |
| Wheelbase (WB)  | 6,515            |
| Axle Spread (AS)  | 1,340            |
| Max Nominal Body length #<br>(3.7M) + CA – 80)  | 9,305            |
| Overall Length (OL)   | 11,345           |
| Overall Width (OW)  | 2,490            |
| Overall Height (OH)   | 2,760            |
| Cab to Rear Axle Centre (CA)  | 5,685            |
| Front Overhang (FOH)  | 1,280            |
| Rear Overhang (ROH)   | 3,490            |
| Front Chassis Height (FCH)  | 1,025            |
| Rear Chassis Height (RCH)   | 1,040            |
| Road Clearance (RC)   | 250              |
| Front Track (FT)  | 2,050            |
| Rear Track (RT)   | 1,840            |
| Turning Circle Kerb to Kerb<br>Wall to Wall   | 21,800<br>23,400 |
| Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance) |                  |
| Total   | 6,714            |
| Front   | 3,629            |
| Rear  | 3,085            |
| GVM   | 26,000           |
| GCM   | 38,000           |

# ROH may need to be extended to suit body length & and rear overhang is limited to 3.7m

### WARRANTY

New vehicle warranty period

| Medium Duty Model | Axle configuration | Standard warranty<br>(whichever comes first) | Cab corrosion perforation |
|-------------------|--------------------|--|---------------------------|
| 500 FL 2628       | 6 x 2              | 3 years or 200,000km                         | 36 months                 |

Battery warranty – 12 months from date of delivery

\* For conditions, refer to the Hino Parts & Service warranty brochure

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer \*



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