

# HINO

## 500 Series

# FM 2628



\* Illustration may contain items not standard to the model

### ADR 80/03 Model 6 x 4 Cab Chassis

## KEY FEATURES

- Vehicle Stability Control (VSC) with ASR
- Polished Aluminium Wheels
- Cruise Control
- Hino Stop Start System (HSSS) (Manual models only)
- Reverse Camera
- Easy Start (ES) Take off assist (Manual models only)
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6860/870 Drivers seat with integrated Safety Belt
- ECE R-29 Cab Strength Certified
- Differential Cross Locks

## KEY SPECIFICATIONS

|                                  |  |
|----------------------------------|--|
| <b>GVM.</b>                      | 26,000kg   |
| <b>GCM.</b>                      | .33,000kg Automatic models<br>.38,000kg Manual models          |
| <b>Power</b>                     | .280hp/206kW   |
| <b>Torque</b>                    | .883Nm   |
| <b>Transmissions</b>             | .Nine-speed Synchromesh Manual<br>.Six-speed Allison Automatic |
| <b>Nominal Wheelbases.</b>       | .4.2m, 5.3m, 6.5m  |
| <b>Max. Nominal Body Length#</b> | .5.8m, 7.5m, 9.3m  |

ENGINE

|                               |  |
|-------------------------------|--|
| Model                         | J08E-WA  |
| Max. Output (ISO Net)         | 280hp/206kW @ 2,500 RPM  |
| Max. Torque (ISO Net)         | 883Nm/90kgfm @ 1,500 RPM   |
| Max. Engine Speed             | 2,700 RPM  |
| Engine Compliance             | ADR 80/03 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        | Auto: 25L<br>Manual: 21.5L   |
| 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 (except XXL Leaf)<br>85 x 40mm (XXL Leaf) |
| Fan Clutch                    | Equipped   |
| Exhaust                       | Horizontal   |
| Emission Control System       | Selective Catalytic Reduction (SCR)  |
| Hino Stop Start System (HSSS) | Manual models only   |
| Engine Immobilizer            | Equipped   |

CLUTCH (MANUAL MODELS ONLY)

|                         |                                      |
|-------------------------|--------------------------------------|
| Model                   | CS-380                               |
| Type                    | Dry single plate with damper springs |
| Facing material         | Organic                              |
| Facing outside diameter | 380mm                                |
| Control                 | Hydraulic with air booster           |

TRANSMISSION & GEAR RATIOS

| Make & Description       | Automatic   |       | Manual                                   |        |
|--------------------------|---|-------|--|--------|
|                          | Allison 3500 series 6 speed with Electronic Control |       | Eaton ES11109 9 speed with Cable Control |        |
| Type                     | Double Overdrive                                    |       | Direct Drive                             |        |
| Gear Ratios              | 1   | 4.593 | 1  | 12.637 |
|                          | 2   | 2.257 | 2  | 8.806  |
|                          | 3   | 1.535 | 3  | 6.550  |
|                          | 4   | 1.000 | 4  | 4.768  |
|                          | 5   | 0.749 | 5  | 3.548  |
|                          | 6   | 0.651 | 6  | 2.481  |
|                          |   |       | 7  | 1.845  |
|                          |   |       | 8  | 1.343  |
|                          |   |       | 9  | 1.000  |
|                          | Rev   | 4.999 | Rev                                      | 13.210 |
| Torque convertor & Ratio | TC 415  | 2.35  |  |        |

PERFORMANCE

|   |           |         |                    |
|---|-----------|---------|--------------------|
| Calculations based on 26.0 t GVM with 11R22.5 drive tyres |           |         |                    |
| Transmission  | Automatic |         | Manual             |
| Wheelbase variants  | Medium    | L & XXL | Medium, Long & XXL |
| Rear Axle Ratio   | 6.142     | 6.428   | 4.625              |
| Engine RPM @ 100 km/h                                     | 2,100     | 2,200   | 2,440              |
| Max theoretical speed (km/h)                              | 128       | 122     | 112                |
| Gradeability tan θ (%) @ GVM                              | 44.9      | 47.5    | 38.2               |
| 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                             |
| Easy Start (ES)                 | Manual models only                   |
| 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  |                     |   |                          |
|            | Spring Dimensions                    | 1,700 x 90 x 28.8 mm x 1                 |                     |   |                          |
|            | Length x Width x Thickness x Number  | 1,700 x 70 x 30.3 mm x 1                 |                     |   |                          |
|            | Spring Rate                          | 32.8 kgf/mm                              |                     |   |                          |
|            | Axle Limit<br>(including suspension) | 6,500 kg                                 |                     |   |                          |
|            | Tyre Limit                           | 6,900 kg                                 |                     |   |                          |
| REAR       | Rear Axle Model                      | THD17 & SH17                             |                     |   |                          |
|            | Differential Cross Lock              | Equipped FR & RR                         |                     |   |                          |
|            | Inter-axle Differential Lock         | Equipped                                 |                     |   |                          |
|            | Type                                 | Fully floating, single reduction, hypoid |                     |   |                          |
|            | Rear suspension types                | Hino 6 Rod Leaf                          |                     | Hendrickson Air   |                          |
|            | Suspension                           | Semi-elliptic Multi Leaf                 |                     | HAS 460 airbag with double acting shock absorbers and ECAS remote height control system |                          |
|            |                                      | Medium                                   | Long & XXL          |   |                          |
|            | Spring Dimensions                    | 1,350 x 90 x 20 x 10                     | 1,350 x 90 x 20 x 6 |   | Road Friendly Suspension |
|            | Length x Width x Thickness x Number  |  | 1,350 x 90 x 18 x 3 |   |                          |
|            | Spring Rate                          | 293.4 kgf/mm                             | 234.0 kgf/mm        | Rating N/o 2005   |                          |
|            | Axle Limit<br>(including suspension) | 20,000 kg                                |                     |   |                          |
| Tyre Limit | 21,800 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 (except Medium Wheel Base) |

FUEL TANK

|                         |          |                |
|-------------------------|----------|----------------|
| Wheelbases              | Medium   | Long & XXLlong |
| Material                | Steel    | Aluminium      |
| Capacity                | 200L     | 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°   |

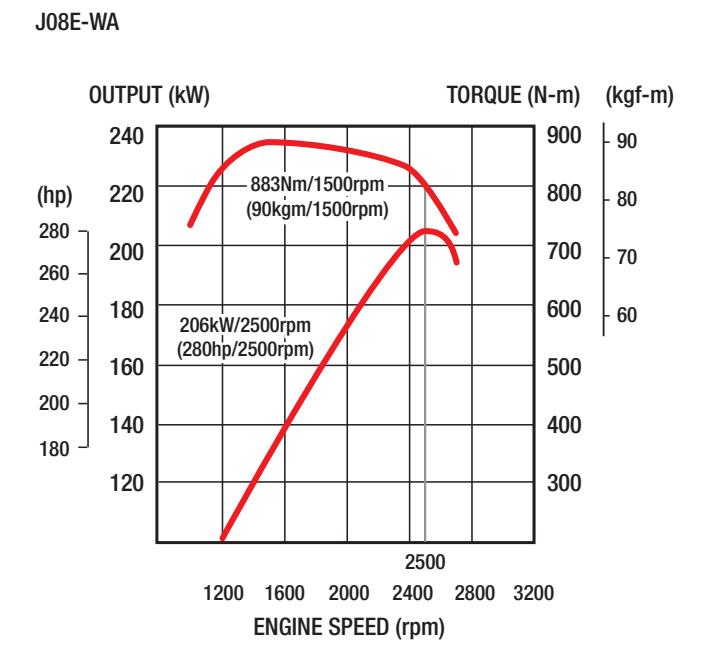
CAB DETAILS

|                                 |  |
|---------------------------------|--|
| 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 with immobiliser  |
| 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   |
| Multi media system              | 6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AAUX input, Bluetooth® 4.a, Android 6.0 CANBUS connection and Wi-Fi enabled |
| Speakers                        | Driver & passenger   |
| Foot rest                       | Equipped   |
| Easy Start                      | Manual Models only   |
| Cup holders                     | Equipped   |
| Cruise control                  | Equipped   |
| Reverse camera                  | 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



INSTRUMENTS

|  |  |
|--|--|
| <b>Meters</b>                          | <b>Additional Switches &amp; Controls</b>              |
| Speedometer                            | External flat mirror Control                           |
| Tachometer                             | Easy Start Rate Control (Manual models only)           |
| <b>LCD Gauges</b>                      | Idle up Control  |
| Air pressure (2)                       | Quick warm up switch                                   |
| Fuel                                   | VSC/ASR off switch                                     |
| AdBlue®                                | Hino Stop Start System off switch (Manual models only) |
| Engine Temperature                     | Eco Run (Manual models only)                           |
| Odometer plus trip meter               | Headlight Levelling                                    |
| <b>Multi Information Display (MID)</b> | Fog Lamp   |
| Fuel Consumption                       | ECAS remote (air bag models)                           |
| Service reminders                      | Inter-axle & Differential Cross Locks                  |
| Warnings                               |  |
| Faults                                 |  |

CHASSIS FRAME

|  |  |                |
|--|--|----------------|
| Wheelbase variants                               | Medium & Long  | XXLong         |
| 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) | 298 x 80 x 7.0   | 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 3) |
| 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

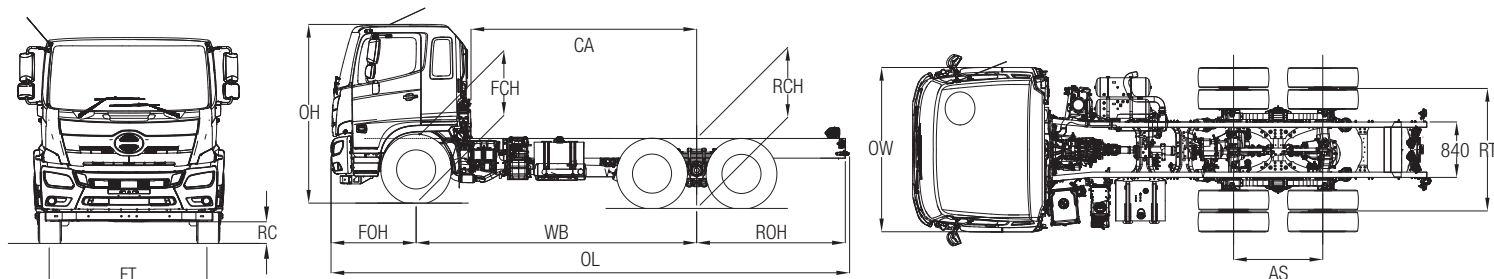
# FM 2628

**500 Series**

## DIMENSIONS – MM/CAPACITIES

| Model   | FM 2628     |             |             |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Wheelbase variant   | MEDIUM      |             | LONG        |             | XX LONG     |             |             |
| Transmission  | AUTO        |             |             |             | AUTO        |             | MANUAL      |
| Rear Suspension   | LEAF        | AIR         | LEAF        | AIR         | LEAF        | AIR         |             |
| Model Code  | FM8JL1M-WHU | FM8JL1U-WHU | FM8JR1A-WHU | FM8JR1G-WHU | FM8JW1A-WHU | FM8JW1G-WHU | FM8JW1G-XHU |
| Wheelbase (WB)  | 4,255       | 4,260       | 5,305       | 5,310       | 6,505       | 6,510       |             |
| Axle Spread (AS)  | 1,350       | 1,330       | 1,350       | 1,330       | 1,350       | 1,330       |             |
| Max Nominal Body length #<br>(WB x 0.6 (up to 3.7)) + CA – 80)                              | 5,773       | 5,781       | 7,578       | 7,586       | 9,295       | 9,300       |             |
| Overall Length (OL)   | 7,845       |             | 9,295       |             | 11,245      |             |             |
| Overall Width (OW)  |             |             |             |             | 2,490       |             |             |
| Overall Height (OH)   | 2,755       |             | 2,750       | 2,755       | 2,750       |             | 2,755       |
| Cab to Rear Axle Centre (CA)  | 3,300       | 3,305       | 4,475       | 4,480       | 5,675       | 5,680       |             |
| Front Overhang (FOH)  |             |             |             | 1,280       |             |             |             |
| Rear Overhang (ROH)   | 2,250       | 2,245       | 2,650       | 2,645       | 3,400       | 3,395       |             |
| Front Chassis Height (FCH)  | 1,030       |             | 1,025       | 1,030       | 1,025       |             | 1,030       |
| Rear Chassis Height (RCH)   | 1,070       | 1,045       | 1,070       | 1,045       | 1,070       | 1,045       |             |
| Road Clearance (RC)   |             |             |             |             | 250         |             |             |
| Front Track (FT)  |             |             |             |             | 2,050       |             |             |
| Rear Track (RT)   | 1,855       | 1,840       | 1,855       | 1,840       | 1,855       | 1,840       |             |
| Turning Circle Kerb to Kerb   | 15,600      | 15,800      | 19,000      |             | 22,600      |             |             |
| Wall to Wall  | 17,200      | 17,400      | 20,600      |             | 24,200      |             |             |
| Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance) |             |             |             |             |             |             |             |
| Total   | 7,202       | 6,754       | 7,273       | 6,883       | 7,473       | 7,088       | 6,903       |
| Front   | 3,504       | 3,490       | 3,528       | 3,524       | 3,607       | 3,613       | 3,443       |
| Rear  | 3,698       | 3,264       | 3,745       | 3,359       | 3,866       | 3,475       | 3,460       |
| GVM   |             |             |             |             | 26,000      |             |             |
| GCM   |             |             |             |             | 33,000      |             |             |
|   |             |             |             |             | 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 FM 2628       | 6 x 4              | 3 years or 200,000km                         | 36 months                 |

Battery warranty – 12 months from date of delivery

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

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



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