

HINO

500 Series

FG 1628 CREW



* Illustration may contain items not standard to the model

ADR 80/03 Model
4 x 2 Crew Cab Chassis

KEY FEATURES

- 7 Seat Capacity: 3 front, 4 rear
- 4 Door with Electric Windows
- Vehicle Stability Control (VSC) with ASR
- Polished Aluminium Wheels
- Cruise Control
- Hino Stop Start System (HSSS) (Manual models only)
- Reverse Camera
- Easy Start (ES) (Manual models only)
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6860/870 Drivers seat with integrated Safety Belt

KEY SPECIFICATIONS

| | |
|---------------------------------------------|-------------------------------------------------------------|
| GVM. | 16,000kg |
| GCM. | 32,000kg |
| Power | 280hp/206kW |
| Torque | 883Nm |
| Transmissions | Six-speed Synchromesh Manual Six-speed Allison Automatic |
| Nominal Wheelbases | 5.5m |
| Max. Nominal Body Length[#] | 7.1m |

A Toyota Group Company

HINO
A BETTER CLASS OF TRUCK



FG 1628 Crew

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 80/03 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 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 85 x 40mm |
| 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 3000 series 6 speed with Electronic Control | | Hino MX06 6 speed with Cable Control | |
| Type | Double Overdrive | | Single Overdrive | |
| Gear Ratios | 1 | 3.487 | 1 | 6.515 |
| | 2 | 1.864 | 2 | 4.224 |
| | 3 | 1.409 | 3 | 2.441 |
| | 4 | 1.000 | 4 | 1.473 |
| | 5 | 0.750 | 5 | 1.000 |
| | 6 | 0.653 | 6 | 0.702 |
| | Rev | 5.027 | Rev | 6.991 |
| Torque convertor & Ratio | TC 415 | 2.35 | | |
| Rear axle Ratio | 6.428 | | 6.428 | |

PERFORMANCE

| | | |
|-----------------------------------------------------------|-----------|--------|
| Calculations based on 16.0 t GVM with 11R22.5 drive tyres | | |
| Transmission | Automatic | Manual |
| Engine RPM @ 100 km/h | 2,200 | 2,370 |
| Max theoretical speed (km/h) | 122 | 115 |
| Gradeability tan θ (%) @ GVM | 60 | 50.1 |
| 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 rear wheels |
| Exhaust Brake | Equipped |

AXLE, SUSPENSION & LOAD LIMITS

| | | | |
|-------|-------------------------------------|------------------------------------------------------|--------------------|
| FRONT | Front Axle Model | MF 781R | |
| | Type | I-Beam, Reverse Elliot | |
| | Suspension | Taper leaf springs with shock absorbers & stabiliser | |
| | Spring Dimensions | | |
| | Length x Width x Thickness x Number | 1,525 x 80 x 19mm x 1 1,525 x 80 x 20.5mm x 3 | |
| | Spring Rate | 32.4 kgf/mm | |
| | Axle Limit (including suspension) | 6,500 kg | |
| | Tyre Limit | 6,900 kg | |
| | Rear Axle Model | SH16 | |
| | Type | Fully floating, single reduction, hypoid | |
| REAR | Suspension | Semi-elliptic Multi Leaf | |
| | | Main | Auxiliary |
| | Spring Dimensions | | |
| | Length x Width x Thickness x Number | 1,400 x 90 x 12 x 4 1,400 x 90 x 13 x 6 | 900 x 90 x 10 x 10 |
| | Spring Rate | 53.6 kgf/mm | 101.1 kgf/mm |
| | Axle Limit (including suspension) | 10,000 kg | |
| | Tyre Limit | 10,900 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 | 7 |
| 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. Recirculating ball with internal Power Steering |
| Steering Angles | Inner 49° |
| | Outer 34° |



FG 1628 Crew

Cab, Instrumentation & Chassis

CAB DETAILS

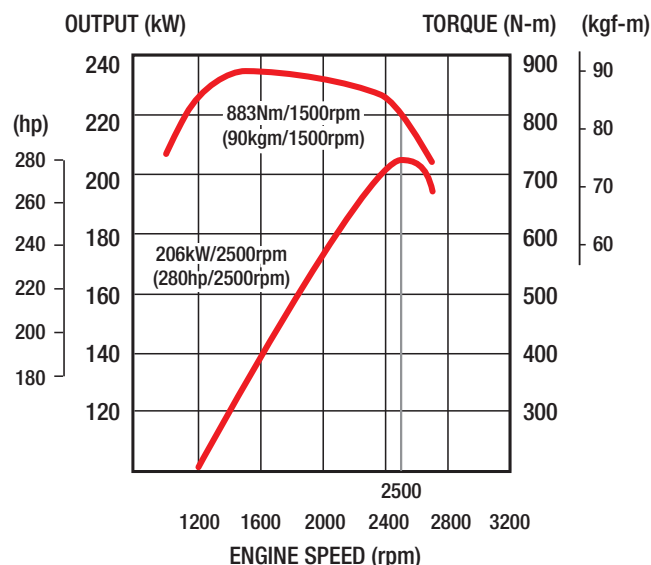
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|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Type | Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism |
| Drivers SRS Airbag | Equipped |
| Seating capacity | Seven |
| 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 |
| Rear passenger's seat | Fixed bench type |
| Seat belt | 3-point type on driver's & side passenger's seat 2-point type on centre passenger seats |
| 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 front doors |
| Power windows | 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 & front passenger sides |
| 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

J08E-WA



INSTRUMENTS

| Meters | Additional Switches & Controls |
|----------------------------------------|--------------------------------------------------------|
| Speedometer | External flat mirror Control |
| Tachometer | Easy Start Rate Control (Manual models only) |
| LCD Gauges | 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 |
| Multi Information Display (MID) | Fog Lamp |
| 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) (Depth x flange x Thickness) | 275 x 80 x 7.0 | 277 x 80 x 8.0 |
| Tensile strength | 620 N/mm ² (63 kgf/mm ²) | |
| 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 |
| | *Modification required to intake system |

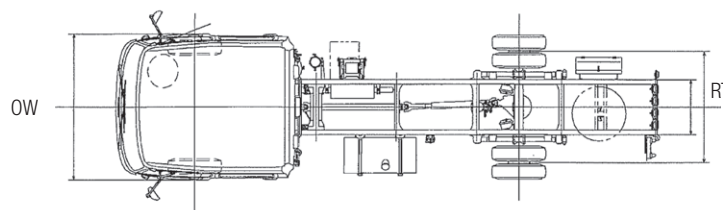
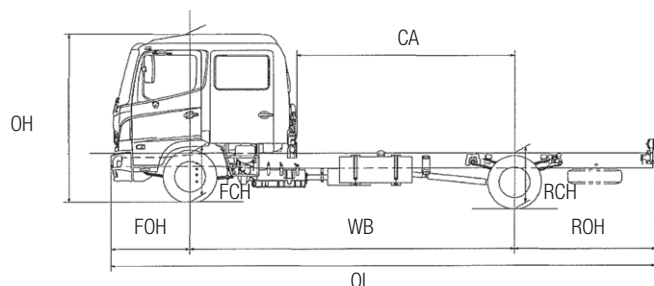
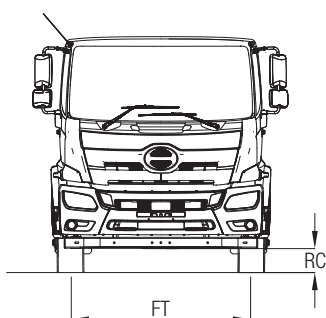
Please check with your dealer for price, availability & fitment for these options



FG 1628 Crew

500 Series

Dimensions



DIMENSIONS – MM/CAPACITIES

| | | |
|---------------------------------------------------------------------------------------------|--------------|-------------|
| Model | FG 1628 CREW | |
| Wheelbase variant | LONG | |
| Transmission | AUTO | MANUAL |
| Model Code | FG8JP1A-WUU | FG8JP1A-UUU |
| Wheelbase (WB) | 5,530 | |
| Max Nominal Body length # (WB x 0.6) + CA – 80) | 7,190 | |
| Overall Length (OL) | 9,445 | |
| Overall Width (OW) | 2,490 | |
| Overall Height (OH) | 2,760 | |
| Cab to Rear Axle Centre (CA) | 3,955 | |
| Front Overhang (FOH) | 1,280 | |
| Rear Overhang (ROH) | 2,575 | |
| Front Chassis Height (FCH) | 1,010 | |
| Rear Chassis Height (RCH) | 1,050 | |
| Road Clearance (RC) | 260 | |
| Front Track (FT) | 2,050 | |
| Rear Track (RT) | 1,835 | |
| Turning Circle Kerb to Kerb | 18,600 | |
| Wall to Wall | 20,200 | |
| Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance) | | |
| Total | TBA | TBA |
| Front | TBA | TBA |
| Rear | TBA | TBA |
| GVM | 16,000 | |
| GCM | 32,000 | |

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 (whichever comes first) | Cab corrosion perforation |
|-------------------|--------------------|----------------------------------------------|---------------------------|
| 500 FG 1628 CREW | 4 x 2 | 3 years or 150,000km | 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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