



500 SERIES

FL 2628 AT AIR 6515



*Overseas model pictured.
May contain items not standard to the NZ model.

Euro 5
Emissions Standard

6 x 2 Cab Chassis

KEY FEATURES

- | | |
|---|-------------------------------|
| ✓ Vehicle Stability Control (VSC) | ✓ SRS Airbag System (Driver) |
| ✓ Anti-Slip Regulator (ASR) | ✓ Reverse Camera |
| ✓ ISRI 6860/870 Driver's Seat with integrated safety belt | ✓ Cruise Control |
| ✓ ECE-R29 Cab Strength Certified | ✓ Polished Alcoa Alloy Wheels |

KEY SPECIFICATIONS

| | |
|--------------|--------------------|
| GVM | 26,000 or 18,000kg |
| GCM | 38,000kg |
| Power | 280hp / 206kW |
| Torque | 883Nm |
| Transmission | 6 Speed Automatic |
| Wheelbase | 6.52m |

ENGINE

| | |
|--------------------------------|--|
| Model | HINO J08E-WA |
| Max. Output (ISO NET) | 280hp / 206kW @ 2,500 RPM |
| Max. Torque (ISO NET) | 883Nm @ 1,500 RPM |
| Max. Engine RPM | 2,700 RPM |
| Engine Compliance | Euro 5 |
| Type | Diesel, turbocharged & intercooled, 6 cylinder inline, 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 | Electronic control common rail |
| Air Compressor / Bore & Stroke | Single cylinder, fluid cooled, 85 x 60mm |
| Fan Clutch | Equipped |
| Exhaust | Horizontal |
| Emission Control System | SCR (AdBlue®) |
| Engine Immobiliser | Equipped |

PERFORMANCE

Calculations based on 26,000kg GVM with 11R22.5 tyres

| | |
|-------------------------------|-------|
| Engine RPM @ 100km/h | 2,200 |
| Road Speed Limited to (km/h) | 100 |
| Max. Theoretical Speed (km/h) | 122 |
| Gradeability Tan (%) @ GVM | 47.5 |

BRAKES

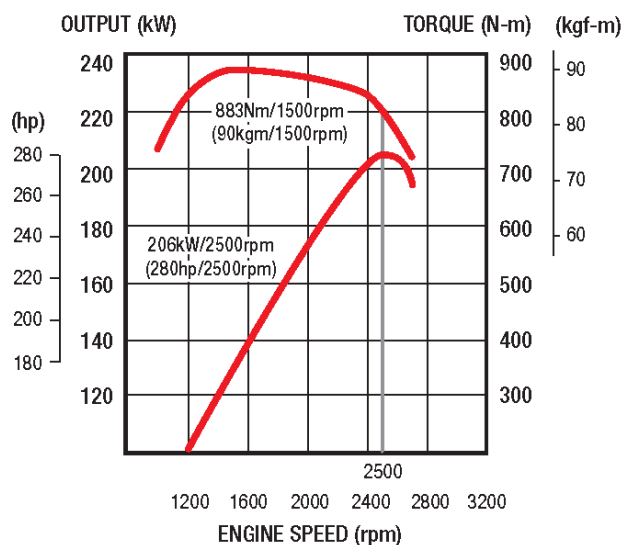
| | | |
|---------------------------------|---------------------------------------|-------------|
| Type | Full air, 'S' cam | |
| Control | Dual circuit | |
| Drum Diameter x Lining Width | Front | 410 x 150mm |
| | Rear | 410 x 220mm |
| Air Dryer | Equipped | |
| Auto Brake Shoe Adjuster | Equipped | |
| Vehicle Stability Control (VSC) | Equipped | |
| Anti-Lock Brake System (ABS) | Equipped | |
| Anti-Slip Regulation (ASR) | Equipped | |
| Park Brake | Spring brake, acting on FA & FR axles | |
| Exhaust Brake | Equipped | |

STEERING

| | | |
|-----------------|--|-------------|
| Type | Telescopic tilt steering column with locking device, recirculating ball, integral power steering | |
| Steering Angles | Inner - 49° | Outer - 34° |

POWER & TORQUE CHART (ISO NET) J08E-WA

J08E-WA



TRANSMISSION & GEAR RATIOS

| | | |
|--------------------------|---------------------------------------|--------|
| Make & Description | Allison 3500 Series Automatic 6 Speed | |
| Type | Automatic with Double Overdrive | |
| Gear Ratios | 1 | 4.593 |
| | 2 | 2.257 |
| | 3 | 1.535 |
| | 4 | 1.000 |
| | 5 | 0.749 |
| | 6 | 0.651 |
| | Reverse | 4.999 |
| Torque Converter & Ratio | TC 415 | 2.35:1 |
| Rear Axle Ratio | 6.248:1 | |

FUEL TANK & SUPPLY

| | |
|-------------------------|----------|
| Material | Steel |
| Fuel Capacity | 200L |
| Lockable Fuel Cap | Equipped |
| Pre-filter & Sedimentor | Equipped |
| AdBlue® Capacity | 59L |

WHEELS & TYRES

| | |
|--------------------|-----------------------------------|
| Wheel Type | Alcoa Alloy 10-stud (ISO 335 PCD) |
| Rim Size | 22.5 x 8.25 - 165mm offset |
| Tyre Size | 275/70R22.5 148/145 |
| Number of Tyres | 11 (incl. spare) |
| Spare Tyre Carrier | Equipped |

SAFETY FEATURES

Active Safety Features

| | |
|---------------------------------|----------|
| Vehicle Stability Control (VSC) | Equipped |
| Anti-Lock Brake System (ABS) | Equipped |
| Anti-Slip Regulator (ASR) | Equipped |
| Fog Lamps | Equipped |
| Reverse Buzzer | Equipped |
| Reverse Camera (RC) | Equipped |

Passive Safety Features

| | |
|---|-----------------------|
| SRS Airbag | Equipped (for Driver) |
| Front Underrun Protection Device (FUPD) | Equipped |
| ECE-R29 Cab Strength Certified | Equipped |

AXLE, SUSPENSION & LOAD LIMITS

| Front | | |
|---|--|--|
| Front Axle Model | MF781R | |
| Front Axle Type | Reversed Elliot I Section Beam | |
| Front Suspension Type | Taper leaf springs with stabiliser | |
| Spring Dimensions (length x width x thickness x number) | 1,700 x 90 x 28.8 x 1 1,700 x 90 x 30.3 x 1 | |
| Spring Rate | 32.8 kgf/mm | |
| Axle Limit (incl. Suspension) | 6,500kg | |
| Rear | | |
| Rear Axle Model | SH17 with Tag Lazy axle | |
| Rear Axle Type | Fully floating, single reduction by hypoid gears | |
| Rear Suspension Model | Hendrickson HAS 460 | |
| Rear Suspension Type | Air bag with ECAS Height Control | |
| Axle Limit (incl. Suspension) | 20,000kg | |

ELECTRICAL

| | |
|--------------------------|------------------------------------|
| Type | 24V negative earth |
| Batteries | 2 x 12V 120Ah (115F51) |
| Alternator Type | Brushless with built-in regulator |
| Alternator Capacity | 24V x 90A |
| Starter Type | 24V x 5.0kW |
| Headlamps | Halogen type with manual levelling |
| High/Low Beam | Equipped |
| LED Fog Lamps (White) | Equipped |
| Fluorescent Reading Lamp | Equipped |
| Electric Air Horn | Equipped |

CHASSIS FRAME

| | |
|---|---|
| Main Section (depth x flange x thickness) | 300 x 80 x 8.0mm |
| Chassis Width | 840mm |
| Tensile Strength | 620 N/mm ² (63 kgf/mm ²) |
| Tow Hook (Front & Rear) | Equipped |
| Type | Ladder-shaped channel section side rails |

CAB DETAILS

| | |
|---------------------------------|---|
| Type | Forward control, all steel, welded construction, fully floating air suspended with electro-hydraulic power tilt |
| ECE-R29 Cab Strength Certified | Equipped |
| Seating Capacity | 3 |
| Rest Area | Equipped |
| Driver's SRS Airbag | Equipped |
| Driver's Seat | ISRI 6860/870 NTSC2, 7-way adjustable |
| Side Passenger Seat | High-back, reclining seat with fabric cover |
| Centre Passenger Seat | Urethane foam pads & foldaway type with seat back tray, fabric cover |
| Seat Belts | 3 point lap sash for driver and side passenger, 2 point lap for centre position |
| Sunvisor & Overhead Console | Equipped |
| Windscreen Wipers | 2 arm wiper and washers, 2 speed with intermittent |
| Ventilator | Forced type by electric blower |
| Cab Heater & Air Conditioner | Equipped |
| Auxiliary Power Supply | 12V x 120W socket |
| External Rear-View Mirrors | 2 flat type, electric and heated |
| | 2 convex spotters Left side kerb view mirrors |
| Central Locking & Keyless Entry | Equipped with immobiliser |
| Cab Storage Pockets | Equipped |
| Power Windows | Equipped |
| Foot Rest | Equipped |
| Cup Holders | Centre tray and door pockets |
| Multimedia System | 6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AUX input, Bluetooth® 4.1, Android 6.0, CAN bus connected, and Wi-Fi enabled |

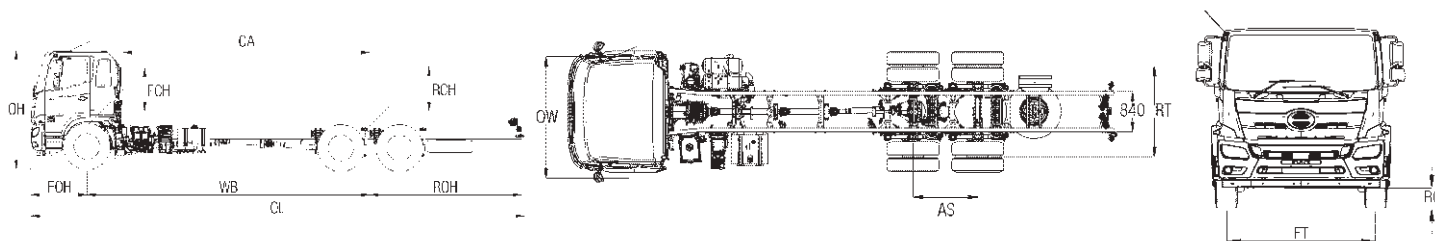
INSTRUMENTATION

| LCD Display | Meters & Gauges |
|---|--------------------------------|
| ✓ Date, Day, & Time | ✓ Speedometer |
| ✓ Temperature Gauge | ✓ Tachometer |
| ✓ Fuel Gauge | ✓ Air Gauges |
| ✓ AdBlue® Gauge | Additional Switches & Controls |
| ✓ Odometer & Trip Meter | ✓ VSC & ASR Off |
| Multi Information Display (MID) | ✓ Air Con Controls |
| ✓ General Information | ✓ ECAS Height Control |
| ✓ Cruise Control | ✓ Idle Up |
| ✓ Display Settings | ✓ Quick Warm Up |
| ✓ Warnings & Faults | ✓ Powered Mirror Control |
| Steering Wheel & Column Controls | ✓ Mirror Heater |
| ✓ Cruise Control | ✓ Headlight Leveller |
| ✓ MID Controls | ✓ Hazard Lights |
| ✓ Headlights, Indicators, Window Wipers | ✓ Fog Lamps |

HINO 500 SERIES - FL 2628 AT AIR 6515

DIMENSIONS (MM)

| Model | FL8JW1G-WHU |
|---|-------------------------------|
| Product Code | FL 2628 AT AIR 6515 – XX LONG |
| Suspension | Air |
| Wheelbase (WB) | 6,515 |
| Axle Spread (AS) | 1,340 |
| Overall Length (OL) | 11,345 |
| Overall Width (OW) | 2,490 |
| Overall Height (OH) | 2,760 |
| Cab to 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 |
| Front Track (FT) | 2,050 |
| Rear Track (RT) | 1,840 |
| Road Clearance (RC) | 250 |
| Kerb to Kerb | 21,800 |
| Wall to Wall | 23,400 |
| Indicative Chassis Mass (kg) – with 10L of fuel, spare tyre, no tools, and subject to a ±3% tolerance | |
| Total | 6,714 |
| Front | 3,629 |
| Rear | 3,085 |
| GVM | 26,000 or 18,000 |
| GCM | 38,000 |



Drawings are for reference only to the table. For specific chassis layouts and dimensions, please refer to Body Mounting Manual drawings.

WARRANTY (PLEASE REFER TO HDL WARRANTY CONDITIONS)

| Standard Warranty | Engine & Powerlines |
|--|--|
| 24 months or 250,000kms (whichever comes first) | 36 months or 250,000kms (whichever comes first) |

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