



500 SERIES

FE 1426 AT AIR 5540



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

Japan 2016 Emission Levels
(pPNLT, Euro 6 Equivalent)

4 x 2 Cab Chassis

KEY FEATURES

- | | |
|---|--|
| ✓ Vehicle Stability Control (VSC) – incl. ABS & TC | ✓ Euro 6 Equivalent Emissions |
| ✓ Pre-Collision System (PCS) | ✓ Lane Departure Warning System (LDWS) |
| ✓ SRS Airbag System (Driver) | ✓ ECE-R29 Cab Strength Certified |
| ✓ Engine Retarder Brake (Jake Brake) | ✓ Adaptive Cruise Control (ACC) |

KEY SPECIFICATIONS

| | |
|--------------|--------------------|
| GVM | 14,000 or 12,000kg |
| GCM | 21,000kg |
| Power | 260hp / 191kW |
| Torque | 882Nm |
| Transmission | 6 Speed Automatic |
| Wheelbase | 5.5m |

ENGINE

| | |
|--------------------------------|--|
| Model | HINO A05C-TC |
| Max. Output (ISO NET) | 260hp / 191kW @ 2,300 RPM |
| Max. Torque (ISO NET) | 882Nm @ 1,400 RPM |
| Max. Engine RPM | 2,550 RPM |
| Engine Compliance | ADR 80/03 using Japan 2016 pPNLT (Euro 6 Equivalent Emissions) |
| Type | Diesel, turbocharged and intercooled 4 cylinder with overhead camshaft |
| Combustion System | Direct injection with EGR |
| Bore & Stroke | 112 x 130mm |
| Piston Displacement | 5.123L |
| Compression Ratio | 17.5:1 |
| Fuel Injection | Electronic control common rail |
| Air Compressor / Bore & Stroke | Single cylinder, 70 x 40mm |
| Air Cleaner | Dual paper elements |
| Exhaust | Horizontal outlet RHS |
| Emission Control System | DPR & SCR (AdBlue®) |
| Engine Immobiliser | Equipped |

PERFORMANCE

Calculations based on 14,000kg GVM with 265/70R19.5 tyres

| | |
|-------------------------------|-------|
| Engine RPM @ 100km/h | 1,970 |
| Max. Theoretical Speed (km/h) | 129 |
| Gradeability Tan (%) @ GVM | 40.4 |
| Speed Limiter to (km/h) | 100 |

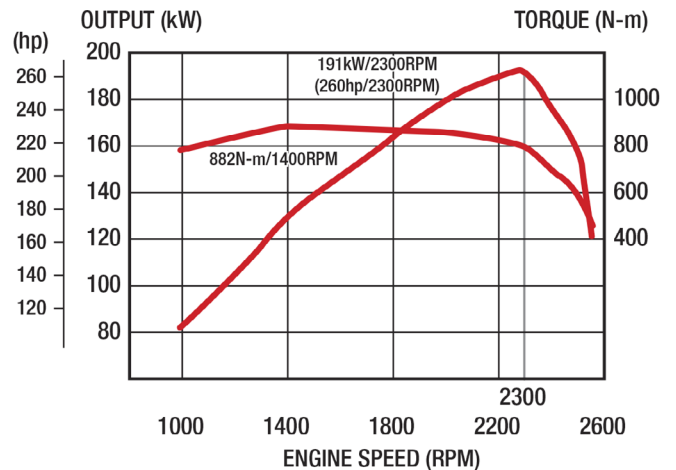
BRAKES

| | | |
|-------------------------------------|--|-------------|
| Type | Drum brakes front and rear | |
| Control | Air Over Hydraulic (AOH), dual circuit | |
| Drum Diameter x Lining Width | Front | 370 x 120mm |
| | Rear | 370 x 150mm |
| Air Dryer | Equipped | |
| Vehicle Stability Control (VSC) | Equipped | |
| Pre-Collision System (PCS) | Equipped | |
| Anti-Lock Brake System (ABS) | Equipped | |
| Traction Control (TC) | Equipped | |
| Park Brake | Spring brake acting on rear wheels | |
| Exhaust & Engine Brake (Jake Brake) | Equipped | |
| Brake Lock | Equipped | |

STEERING

| | | |
|-----------------|--|---------------|
| Type | Telescopic tilt steering column, recirculating ball, integral power steering | |
| Gear Ratio | 19.0:1 | |
| Steering Angles | Inside – 53° | Outside – 38° |

POWER & TORQUE CHART (ISO NET) A05C-TC



TRANSMISSION & GEAR RATIOS

| | | |
|------------------------------|--|-------|
| Make & Description | Allison 2500, 6 Speed with Hino T-bar cable shift and MID gear display | |
| Type | Double overdrive | |
| Gear Ratios | 1 | 3.512 |
| | 2 | 1.896 |
| | 3 | 1.439 |
| | 4 | 1 |
| | 5 | 0.737 |
| | 6 | 0.643 |
| | Reverse | 5.086 |
| Torque Converter & Ratio | TC222, 1.58 | |
| Rear Axle Ratio | 4.875 | |
| PTO Option / Torque Capacity | Dual / 339Nm | |

FUEL TANK & SUPPLY

| | |
|------------------------|----------|
| Material | Steel |
| Fuel Capacity | 200L |
| Lockable Fuel Cap | Equipped |
| Prefilter & Sedimenter | Equipped |
| AdBlue® Capacity | 19L |

ELECTRICAL

| | |
|-----------------------------|---|
| Type | 24V negative earth |
| Batteries | 2 x 12V 120Ah 115F51 |
| Alternator Capacity | 24V x 90A |
| Starter Type | 24V x 4.5kW |
| Headlamps | LED main beam with LED daytime running lamps |
| LED Cornering / Fog Lamps | Equipped |
| LED Interior & Reading Lamp | Equipped |
| Electric Air Horn | Equipped |
| CANBUS Connected | Equipped J1939 protocol (see BMM for details) |

SAFETY FEATURES

| Active Safety Features | |
|---|--|
| Vehicle Stability Control (VSC) | Equipped |
| Anti-Lock Brake System (ABS) | Equipped |
| Pre-Collision System (PCS) | Equipped |
| PCS is inclusive of | Safety Eye (SE) Autonomous Emergency Braking (AEB) Pedestrian Detection (PD) |
| Traction Control (TC) | Equipped |
| Lane Departure Warning System (LDWS) | Equipped |
| Staggering Warning (SW) | Equipped |
| Adaptive Cruise Control (ACC) | Equipped |
| Reverse Camera (RC) | Equipped |
| Passive Safety Features | |
| SRS Airbag | Equipped (for driver) |
| SRS Seat Belt Pretensioner | Equipped (for driver) |
| Front Underrun Protection Device (FUPD) | Equipped |
| ECE-R29 Cab Strength Certified | Equipped |

AXLE, SUSPENSION & LOAD LIMITS

| AXLE, SUSPENSION & LOAD LIMITS | | |
|--------------------------------|------------------------------------|---|
| Front | Front Axle Model | LF 451 |
| | Front Axle Type | I-Beam, Reverse Elliot |
| | Front Suspension Type | Taper leaf springs with shock absorbers and stabiliser |
| | Spring Dimensions | 1,300 x 70mm |
| | Number | 4 |
| | Spring Rate (kgf/mm ²) | 27 |
| | Axle Limit (incl. Suspension) | 5,000kg |
| | Tyre Limit | 5,000kg |
| Rear | Rear Axle Model | SH14 |
| | Rear Axle Type | Fully floating, single reduction by hypoid gears |
| | Rear Suspension Type | Hendrickson HAS 200 with shock absorbers and mechanical ride height valve |
| | Axle Limit (incl. Suspension) | 9,000kg |
| | Tyre Limit | 9,400kg |

CHASSIS FRAME

| | |
|---|---|
| Main Section (depth x flange x thickness) | 231.6 x 78 x 6.8mm |
| Chassis Width | 820mm |
| Tensile Strength | 540 N/mm ² (55 kgf/mm ²) |
| Tow Hook (Front & Rear) | 2,000 kgf (max angle of 15°) |
| Type | Ladder-shaped channel section side rails |

WHEELS & TYRES

| | |
|--------------------|--------------------------------------|
| Wheel Type | 8 stud disc wheel (ISO type) PCD 275 |
| Rim Size | 6.75" x 19.5" / 147mm offset (alloy) |
| Tyre Size | 265/70R19.5 132/130 |
| Number of Tyres | 7 incl. spare |
| Spare Tyre Carrier | Equipped |

CAB DETAILS

| | |
|---------------------------------|---|
| Type | Forward control, rest cab, all steel construction with torsion bar tilt mechanism |
| Grille Colour | Matte grey |
| ADR 42 Sleeper Berth | Compliant |
| Seating Capacity | 3 |
| Driver's Seat | ISRI 6860 NTS2 air suspension, 10 way adjustable with integrated safety belt and rear pocket |
| Side Passenger Seat | High back and reclining seat |
| Centre Seat | Foldaway type with integrated tray |
| Seat Belts | 3 point lap sash for driver and side passenger, 2 point lap for centre position |
| Sunvisor & Overhead Console | Equipped (for driver and side passenger) |
| Windscreen Wipers | 2 arm wiper and washers, 2 speed with intermittent |
| Cab Heater & Air Conditioner | Equipped with 4 speed fan |
| Auxiliary Power Supply | 12V x 120W socket and USB 2.1A |
| Rear-View Mirrors | External: Electric and heated, 2 flat type, 2 convex spotters and kerb view |
| Floor Covering | Vinyl type |
| Central Locking & Keyless Entry | Equipped with immobiliser |
| Cab Storage Pockets | Equipped in both side doors |
| Power Windows | Equipped |
| Foot Rest | Equipped |
| Cup Holders | 3 centre and 2 door beverage holders |
| 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 |

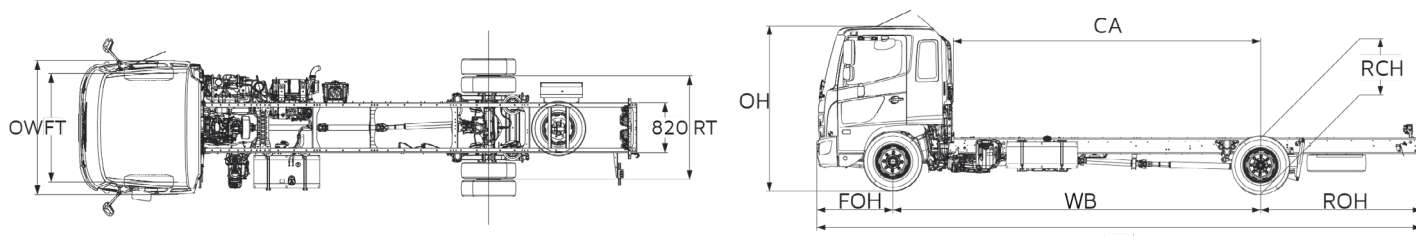
INSTRUMENTATION

| LCD Display | Meters & Gauges |
|----------------------------------|--------------------------------|
| ✓ Date, Day, & Time | ✓ Speedometer |
| ✓ Temperature Gauge | ✓ Tachometer |
| ✓ Fuel & AdBlue® Gauges | ✓ Air Gauges |
| ✓ Odometer & Hour Meter | Additional Switches & Controls |
| Multi Information Display (MID) | ✓ External Flat Mirror Control |
| ✓ General Information | ✓ VSC, PCS, & LDWS Off |
| ✓ Cruise Control | ✓ Idle Up & Quick Warm Up |
| ✓ Eco Tree | ✓ Mirror Heater |
| ✓ Display Setting | ✓ Engine Brake |
| ✓ Safe Driving Settings | ✓ DPR Regeneration |
| ✓ System Check | ✓ Electric Window Lock Out |
| Steering Wheel & Column Controls | ✓ Headlight Leveller |
| ✓ Cruise Control | ✓ Hazard Lights |
| ✓ MID Controls | ✓ Power & Economy |
| ✓ Headlights & Indicators | ✓ Gear Position |
| ✓ Window Wiper Controls | ✓ Suspension Dump |

DIMENSIONS (MM)

| Model | FE2AP1G-FXCAE |
|---|---------------------|
| Product Code | FE 1426 AT AIR 5540 |
| Suspension | Air |
| Wheelbase (WB) | 5,540 |
| Overall Length (OL) | 9,145 |
| Overall Width (OW) | 2,240 |
| Overall Height (OH) | 2,495 |
| Cab to Axle Centre (CA) | 4,615 |
| Front Overhang (FOH) | 1,145 |
| Rear Overhang (ROH) | 2,420 |
| Rear Chassis Height (RCH) – at axle | 840 |
| Front Track (FT) | 1,760 |
| Rear Track (RT) | 1,690 |
| Kerb to Kerb | 19,000 |
| Wall to Wall | 20,400 |
| Indicative Chassis Mass (kg) – with 10L of fuel, no tools or spare tyre, and subject to a $\pm 3\%$ tolerance | |
| Total | 4,020 |
| Front | 2,625 |
| Rear | 1,395 |
| GVM | 14,000 or 12,000 |
| GCM | 21,000 |

CHASSIS DRAWINGS (PLEASE REFER TO DIMENSIONS TABLE ABOVE)



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 100,000kms (whichever comes first) | 36 months or 150,000kms (whichever comes first) |

DISCLAIMER

Hino Trucks are distributed in New Zealand by Hino Distributors (NZ) Ltd.

All efforts have been made to ensure the information contained in this brochure was correct at time of printing or uploading. Hino Distributors (NZ) Ltd reserves the right to alter any details of the specifications and equipment without notice. Hino in so far as it is permitted by law to do so, shall not be liable in any way as a result of any reliance placed by any person on anything contained in this brochure. You should therefore check with your authorised Hino dealer at the time of ordering your motor vehicle to ensure that colour, specifications, equipment, design features and options are available for the vehicle you are ordering. Please note that some options may only be available in combination with others. Authorised Hino dealers will on request provide up to date information on all accessories, design features, prices and availability.