



700 SERIES

FH 1836 AMT LEAF/AIR



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

Euro 6
Emissions Standard

4 x 2 Cab Chassis

KEY FEATURES

- | | |
|--|--|
| ✓ Engine Retarder Brake (Jake Brake) | ✓ Euro 6 Emissions Standard |
| ✓ ISRI NTSC2 Driver's Seat with integrated safety belt | ✓ Hino SmartSafe incl. PCS, VSC, ABS, EBS, ASR, LDWS, & Driver Monitor |
| ✓ Differential Cross Lock | ✓ Adaptive Cruise Control |
| ✓ LED Main Beam Headlamps with DRLs | ✓ Reverse Camera & Buzzer |
| ✓ ECE-R29 Cab Strength Certified | ✓ Polished Alcoa Alloy Wheels |

KEY SPECIFICATIONS

GVM	18,000 or 12,000kg
GCM	38,000kg
Power	360hp / 265kW
Torque	1,569Nm
Transmission	12 Speed AMT
Wheelbase	6.0m

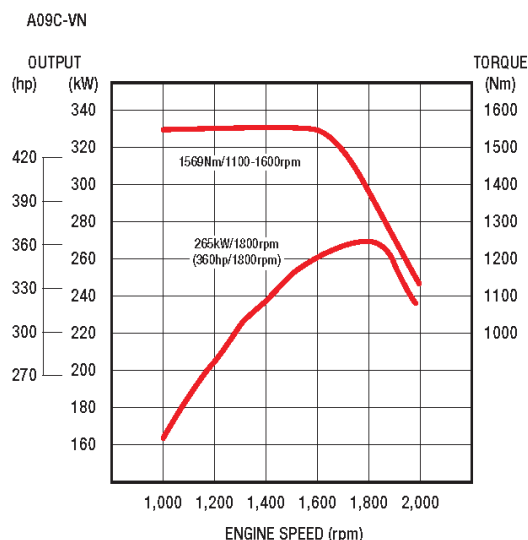
ENGINE	
Model	HINO A09C-VN
Max. Output (ISO NET)	360hp / 265kW @ 1,800 RPM
Max. Torque (ISO NET)	1,569Nm @ 1,100-1,600 RPM
Max. Engine RPM	2,100 RPM
Engine Compliance	Euro 6
Type	Diesel, turbocharged & intercooled, 6 cylinder inline, 4 cycle, overhead camshaft, watercooled
Combustion System	Direct injection
Bore & Stroke	112 x 150mm
Piston Displacement	8.866L
Compression Ratio	17.0:1
Fuel Injection	Electronic control common rail
Air Compressor / Bore & Stroke	Single cylinder bore & stroke, 95 x 60mm
Air Cleaner	Behind cab mounted paper elements
Exhaust	Horizontal outlet
Emission Control System	DPR, EGR, & SCR (AdBlue®)
Engine Immobiliser	Equipped

PERFORMANCE	
Calculations based on 38,000kg GCM with 11R22.5 tyres	
Engine RPM @ 100km/h	1,628
Road Speed Limited to (km/h)	100
Max. Theoretical Speed (km/h)	130
Gradeability Tan (%) @ GVM	30.8

BRAKES		
Type	Full air, taper roller, leading & trailing shoes (drum)	
Control	Dual circuit	
Drum Diameter x Lining Width	Front	406.4 x 152mm
	Rear	406.4 x 216mm
Air Dryer	Equipped	
Auto Brake Shoe Adjuster	Equipped	
Electronic Brake System (EBS)	Equipped	
Anti-Lock Brake System (ABS)	Equipped	
Anti-Slip Regulation (ASR)	Equipped	
Engine Brake (Jake Brake)	Equipped	
Exhaust Brake	Equipped	
Brake Sync	Brake pedal activated engine brake	

ELECTRICAL	
Type	24V negative earth
Batteries	2 x 12V 120Ah 115F51
Alternator Capacity	90A
Starter Type	24V – 6.0kW
Auto On/Off Headlamps	LED
Daytime Running Lamps (DRLs)	LED
Cornering Lamps	Equipped

POWER & TORQUE CHART (ISO NET) A09C-VN



TRANSMISSION & GEAR RATIOS				
Make & Description		Hino M112 12 Speed AMT		
Shifter Type		Dash mounted rotary switch with column mounted sequential shifter		
Gear Ratios	1	10.127	7	2.507
	2	8.054	8	1.994
	3	6.414	9	1.588
	4	5.101	10	1.263
	5	4.038	11	1.000
	6	3.211	12	0.795
	Reverse 1	9.902	Reverse 2	7.875
Final Drive Ratio		3.900:1		

CLUTCH	
Model	DSF-430
Type	Dry single plate with damper springs
Clutch Plate	Mold type (non-asbestos)
Control	ZF ConAct® pneumatic clutch actuation

FUEL TANK & SUPPLY	
Material	Alloy
Fuel Capacity	390L
Lockable Fuel Cap	Equipped
Prefilter & Sedimeter	Equipped
AdBlue® Capacity	28L

STEERING		
Type	Telescopic tilt steering column, recirculating ball, integral power steering	
Steering Angle	Inner - 49°	Outer - 34°

SAFETY FEATURES

Active Safety Features - HINO SmartSafe	
Vehicle Stability Control (VSC)	Equipped
Anti-Lock Brake System (ABS)	Equipped
Electronic Control Braking System (EBS)	Equipped
Pre-Collision System (PCS)	Equipped
PCS is inclusive of	Safety Eye (SE) Autonomous Emergency Braking (AEB) Pedestrian Detection (PD)
Driver Monitor (DM)	Equipped
Lane Departure Warning System (LDWS)	Equipped
Anti-Slip Regulator (ASR)	Equipped
Auto Brake Shoe Adjuster	Equipped
Engine Retarder (Jake Brake)	Equipped
Adaptive Cruise Control (ACC)	Equipped
Reverse Buzzer & 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

Front	Front Axle Model	MF681R	
	Front Axle Type	Reversed Elliot I Section Beam	
	Front Suspension Type	Taper leaf springs with stabiliser	
	Axle Limit (incl. Suspension)	6,500kg	
Rear	Rear Axle Model	SH17	
	Differential Cross Lock	Equipped	
	Rear Axle Type	Fully floating, single reduction by hypoid gears, with differential cross lock	
	Model Variant	FH 1836 LEAF	FH 1836 AIR
	Rear Suspension Type	Taper leaf springs	Hendrickson HAS with ECAS & Road Friendly Suspension Certified
Axle Limit (incl. Suspension)	11,500kg		

WHEELS & TYRES

Wheel Type	Alcoa Alloy 10-stud (ISO 335 PCD)
Rim Size	22.5 x 8.25 (wide single 22.5 x 11.75 optional)
Tyre Size	275/70R22.5 152/148 (11R22.5 optional)
Number of Tyres	7 (incl. spare)

CHASSIS FRAME

Main Section (depth x flange x thickness)	275 x 80 x 7.0mm
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

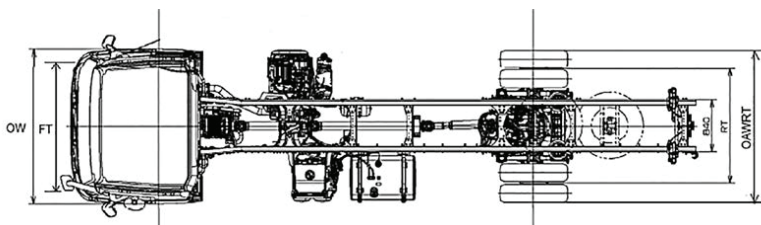
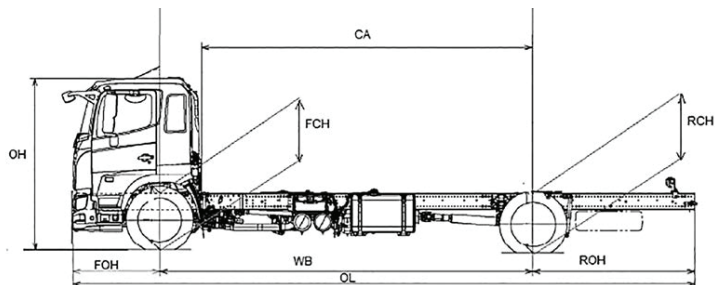
CAB DETAILS

Type	Forward control, all steel, welded construction, fully floating air suspended with electro-hydraulic power tilt
Grille Colour	Chrome
Seating Capacity	2
Driver's Seat	ISRI 6860/870 NTSC2, 7-way adjustable
Side Passenger Seat	High-back, reclining seat with fabric cover
Seat Belts	Driver: 3-point pretensioner Passenger: 3-point type
Sunvisor & Overhead Console	Equipped
Windscreen Wipers	Triple arm wiper with intermittent & variable controls
Windscreen Glass	Heat-absorbing laminated glass
Auto Climate Control	Equipped
Auxiliary Power Supply	12V x 120W socket and USB 2.1A
External Rear-View Mirrors	2 flat type, electric and heated
	2 convex spotters and blind spotters LHS and front kerb view mirrors
Central Locking & Keyless Entry	Equipped
Cab Storage Pockets	Equipped
Power Windows	Equipped
Foot Rest	Equipped
Cup Holders	Centre tray and door pockets
Multimedia System	10.1" UXGA capacitive touch screen with AM/FM+RDS/DAB radio, wireless Apple CarPlay & Android Auto™, Bluetooth® 5.0, USB 2.0 & 3.0, 2.4GHz 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
✓ Battery Warning	✓ VSC, PCS, & LDWS Off
Multi Information Display (MID)	✓ Climate Controls
✓ General Information	✓ Differential Cross Lock
✓ Safety Feature Settings	✓ Brake Sync
✓ Cruise Control	✓ Shift Selector
✓ Eco Tree	✓ Idle Up
✓ Display Settings	✓ Quick Warm Up
✓ System Check	✓ DPR Regeneration
Steering Wheel & Column Controls	✓ ECO Run
✓ Cruise Control	✓ Powered Mirror Control
✓ MID Controls	✓ Mirror Heater
✓ Headlights, Indicators, Window Wipers	✓ Electronic Window Lock Out
✓ Engine Braking Control	✓ Headlight Leveller
✓ Handsfree Phone	✓ Hazard Lights

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

DIMENSIONS (MM)

Model	FH1ASKA-FRCPEAC	FH1ASKH-FRCPEAC
Product Code	FH 1836 AMT LEAF 6000	FH 1836 AMT AIR 6000
Suspension	Leaf	Air
Wheelbase (WB)	6,000	
Overall Length (OL)	10,020	
Overall Width (OW)	2,490	
Overall Height (OH)	2,850	
Cab to Axle Centre (CA)	5,330	
Front Overhang (FOH)	1,410	
Rear Overhang (ROH)	2,610	
Front Chassis Height (FCH)	985	
Rear Chassis Height (RCH)	1,060	980
Front Track (FT)	2,050	
Rear Track (RT)	1,835	
Road Clearance (RC)	245	
Kerb to Kerb	20,200	
Wall to Wall	22,000	
Indicative Chassis Mass (kg) – with 10L of fuel, tools, spare tyre, and subject to a ±3% tolerance		
Total	6,335	6,175
Front	4,235	4,225
Rear	2,100	1,950
GVM	18,000 or 12,000	
GCM	38,000	

WARRANTY (PLEASE REFER TO HDL WARRANTY CONDITIONS)

Standard Warranty

Engine & Powerlines

36 months or 250,000kms
(whichever comes first)

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