

# HINO

## 700 Series



### 4 x 2 Cab Chassis

\*Illustration may contain items not standard to the model

## KEY FEATURES

Pre-Collision System (PCS) including AEB & PD  
 Vehicle Stability Control (VSC)  
 Lane Departure Warning System (LDWS)  
 Adaptive Cruise Control  
 Engine retarder (Jake) brake  
 Reverse camera  
 ISRI 6860/870 NTS2 with integrated safety belt  
 ADR 80/04 Emission level using Euro 6 Standard  
 LED Main beam Headlamps with Daytime running Lamps (DRL)  
 Polished Alcoa wheels  
 Differential Cross Lock  
 Driver Monitor (DM)  
 Hino Connect Telematics

## KEY SPECIFICATIONS

**GVM** . . . . . 16,000 to 17,400kg  
**GCM** . . . . . 38,000kg  
**Power** . . . . . 360hp/265kW  
**Torque** . . . . . 1,569Nm  
**Transmission** . . . . . Hino 12 spd AMT  
**Wheelbases** . . . . . 6.0m  
**Max Nominal Body Length** . . . . . 8.8m

## ENGINE

Engine model	Hino A09C-VN
Max.output (ISO Net) @ 1,800 rpm	360hp/265kW
Max.torque (ISO Net) @ 1,100 to 1,600 rpm	1,569Nm
Max. engine rpm	2,100
Engine compliance	ADR 80/04 using Euro 6 Standard
Type	Diesel, turbo & intercooled, 6 cylinder, OHC
Combustion system	Direct injection
Bore & stroke	112 x 150 mm
Piston displacement	8.866L
Fuel injection system	Electric control common rail
Air cleaner & intake	Behind cab mounted with paper element
Exhaust system	Horizontal outlet
Emission control systems	DOC,DPR & SCR after treatments
Engine immobiliser	Equipped

## TRANSMISSION & GEAR RATIOS

Make, model & Description	Automated Manual Transmission (AMT)			
	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
	R 1	9.902	R 2	7.875
Rear axle ratio	3.900			

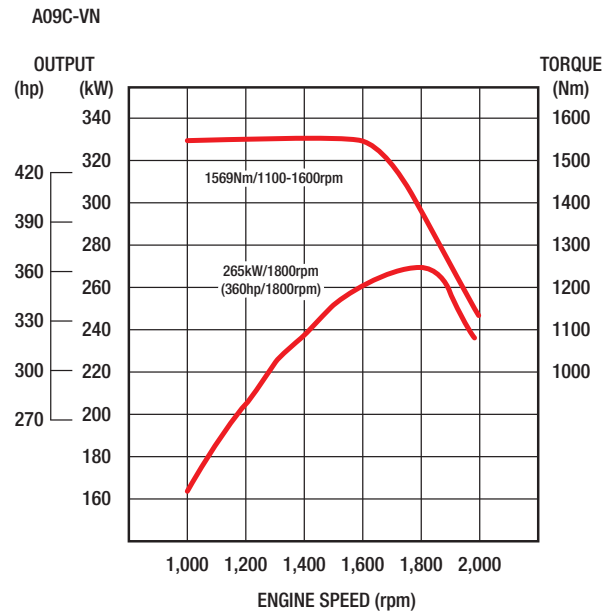
## PERFORMANCE

Calculations based on 11R22.5 drive tyres @ 18t GVM	
Engine RPM @ 100 km/h	1,628
Road Speed limited to	100 km/h
Max theoretical speed km/h	129
Theoretical gradeability % @ GVM	60

## BRAKES

Type	Full Air, Taper Roller, Drum	
Control	Electronic Brake System (EBS)	
Drum area dimensions Diameter x width	Front	406.4 x 152 mm
	Rear	406.4 x 216 mm
Park brake	Spring brake acting on the drive axle	
Engine retarder (Jake) Brake	Equipped	
Exhaust Brake	Equipped	
Brake Sync	Brake pedal activated Engine brake	

## POWER & TORQUE CHART (ISO NET) A09C-VN



## SAFETY FEATURES

<b>Active Safety Features – Hino SmartSafe</b>		
Vehicle Stability Control	VSC	Equipped
Anti-lock Brake System	ABS	Equipped
Pre-Collision System	PCS	Equipped
PCS is inclusive of	Autonomous Emergency Braking	AEB
	Pedestrian Detection	PD
Adaptive Cruise Control	ACC	Equipped
Anti-Slip Regulator	ASR	Equipped
Lane Departure Warning System	LDWS	Equipped
Reverse buzzer & camera	RC	Equipped
Driver Monitor	DM	Equipped
Daytime Running Lamps	DRL	Equipped
Safety Eye	SE	Equipped
<b>Passive Safety Features</b>		
ECE-R29 Cab Strength Certification		Equipped
SRS airbag for driver		Equipped
SRS seatbelt pretensioner for driver		Equipped
Shock absorbing & collapsible steering column		Equipped
Front Underrun Protection (FUP)		Equipped

## AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model & Type	MF 68IR Reverse Elliot I-beam	
	Suspension	Taper Leaf Spring, shock absorbers & Stabiliser bar	
	Axle Limit (incl suspension)	6,500 kg	
	Tyre limit	6,900 kg	
REAR	Rear Axle Model & Type	SH17 fully floating single reduction	
	Differential Cross Lock	Equipped	
	Model	FH 1836 LEAF	FH 1836 AIR
	Suspension	Taper leaf springs	Hendrickson HAS with ECAS & Road Friendly Suspension Certified
	Axle Limit (incl suspension)	11,500 kg	
	Tyre Limit	10,900 kg	

## CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Depth, Flange, Thickness	275 x 80 x 7.0 mm
Chassis width (at rear)	840 mm
Tensile strength	620 N/mm <sup>2</sup>
Front Underrun Protection (FUP)	Equipped
Front tow hook	Equipped

## WHEELS & TYRES

Wheel type	10-Stud disc wheel (ISO type) PCD 335 mm	
Rim type & size	Polished Alcoa 22.5" x 8.25"	
Tyre size	Front and Spare	295/80R22.5
	Rear	11R22.5
Number of wheels and tyres	Seven (7) including spare	
Spare tyre carrier	Equipped	

## FUEL TANK & SUPPLY

Diesel tank type & capacity	Aluminium 390 Lts
Diesel tank lockable fuel cap	Equipped
Diesel fuel filtration	Primary, secondary & sedimenter
AdBlue® Tank Capacity	28 Lts

## ELECTRICAL

Type	24 volt negative earth system
Batteries	12 volt x 120 AH 115F51 x 2
Alternator capacity	90 amp
Starter type	24v – 6.0kW
Main Beam Headlamps (LED)	Equipped
Daytime Running Lamps (LED)	Equipped
Cornering Lamps	Equipped
Electric operated air horn	Equipped
Reverse buzzer & camera	Equipped
12 Volt 120W power socket	Equipped
USB 2.1A charging port	Equipped

## STEERING

Type	Telescopic and Tilt adjustable steering column, recirculating ball integral power steering	
Steering Angle	Inside 49°	Outside 34°

## GENUINE ACCESSORY OPTIONS

Bullbar	Rubber floor mats
Chrome wheel covers	Seat covers (Wool, Canvas, Carbon)
Cameras (up to additional 5 extra)	Stone guard
DVR	Sunvisor
Dash mat	Truck spec GPS nav with live traffic
Foot well Liners	Weathershields
Lane Change kit	Engine drive PTO 1:1 ratio

Please check with your dealer for availability, price & fitment

## CAB EXTERIOR

Type	Forward control, all steel, welded construction, Fully floating air suspended with electro hydraulic power tilt
ECE R29 Cab Strength	Certified
Windscreen wipers washers	Triple wet wiper arms
Grille Colour	Chrome
Outside rearview mirrors	2 Flat type main, heated & electric control
	2 convex spotter type, mounted below the main
	LHS kerb view & front kerb view mirrors
Windscreen Glass	Heat absorbing laminated glass

## CAB INTERIOR

Seating Capacity	Two (2)	
Driver's seat	ISRI 6860/870 NTS2 with integrated safety belt	
Assistant's Seat	Fixed High-back, reclining	
Seat Covering	Fabric cover	
Seat belts	Driver's seat	3-point Lap/Sash type with ELR
	Assistant's seat	
SRS airbag and pre-tensioner	Driver side	
Sun visor & overhead consoles	Driver & side passenger	
Sleeper berth	ADR 42 Capable	
Multimedia unit	10.1" UXGA capacity touch screen, wireless Apple CarPlay and Android auto compatible, AM/FM+RDS/DAB + radio, Bluetooth 5.0 phone and audio, input for up to 6 cameras, USB 2.0 and 3.0, 2.4 Ghz Wi-Fi enabled	
Automatic climate control	Equipped	
Central & remote door locking	Equipped with Immobiliser	
Power windows	Equipped	
Drivers footrest	Equipped	
Driver's seat back pocket	Equipped	
Centre document tray	Equipped	
Cup holders	Within centre tray & door pockets	
Tool kit & Jack	Equipped	
LED courtesy & reading lights	Equipped	

## INSTRUMENTATION & CONTROLS

<b>Multi Information Display (MID)</b>	<b>Meters &amp; Gauges</b>
Safety feature settings	Speedometer
General information settings	Tachometer
Eco driving	Air Pressure gauges x 2
DPR filter gauge	<b>Dash mounted switches</b>
Cruise control settings	Climate controls
<b>LCD Display</b>	LDWS off
Date & Time	PCS off
Battery warning	VSC off
Drivers seatbelt warning	Headlight leveller
Coolant	Hazard lights
Fuel & AdBlue® gauge	DPR manual regeneration
ODO, trip & hour meters	ECAS height control (Air suspension models)
<b>Steering wheel &amp; Column controls</b>	Heated mirrors
MID setting	Idle up
Cruise control settings	Powered mirror control
Hands free phone	Differential Cross Lock
Lights & Indicator	Brake Sync
Engine brake & wiper washer	

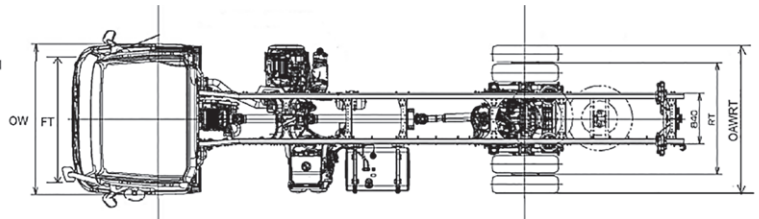
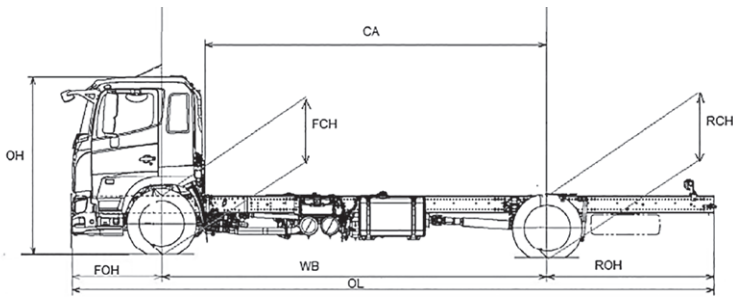
# FH 1836

# 700 Series



## DIMENSIONS – MM/WEIGHTS – KG

Model Description	FH 1836 AMT LEAF 6000	FH 1836 AMT AIR 6000
Product Code	FH1ASKA-FRCPEAC	FH1ASKH-FRCPEAC
Max Nom Body length ((WBx0.6)+CA-80)	8,850	
Wheelbase (WB)	6,000	
Overall length (OL)	10,020	
Cab Width (CW)	2,490	
Over All Width Rear Tyres (OAWRT)	2,460	
Overall height (OH)	2,850	
Cab to rear Axle centre (CA)	5,330	
Front Overhang (FOH)	1,410	
Rear Overhang (ROH)	2,610	
Front Chassis Height (FCH)	985	
Rear Chassis Height (RCH)	1,105	1,025
Road Clearance	245	
Front Track (FT)	2,050	
Rear Track (RT)	1,835	
Turning Circle	Kerb to Kerb	20,200
	Wall to Wall	22,000
Indicative chassis mass – kg (STD tools, 10 litres of fuel, spare tyre & subject to a +/- 3% tolerance)		
Total	6,487	6,327
Front	4,258	4,247
Rear	2,229	2,080
Standard Ratings	GVM	Standard 16,000
	GCM	Optional Up to 17,400
		38,000



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

## WARRANTY

New vehicle warranty period

Heavy Duty Model	Standard warranty (whichever comes first)	Engine component warranty (whichever comes first)
700 FH 1836	5 years or 600,000km	60 months or 750,000km

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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