

HINO

700 Series



8 x 4 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
 Transmission Intarder & Engine retarder (Jake) brake
 Reverse camera
 ISRI 6860/870 NTS2 with integrated safety belt
 ADR 80/03 Emission level using Euro 6 Standard
 LED Main beam Headlamps with Daytime running Lamps (DRL)
 Polished Alcoa wheels
 Differential Cross Locks
 Driver Monitor (DM)
 Hino Connect Telematics
 Load share twin steer

KEY SPECIFICATIONS

GVM 32,000kg
GCM 63,000kg
Power 480hp/353kW
Torque 2,157Nm
Transmission ZF TraXon 16 Spd AMT
Wheelbases 5.9m
Max Nominal Body Length 8.7m

ENGINE

Engine model	Hino E13C-BK
Max.output (ISO Net) @ 1,600 to 1,800rpm	480hp/353kW
Max.torque (ISO Net) @ 1,000 to 1,500rpm	2,157Nm
Max. engine rpm	2,200
Engine compliance	ADR 80/03 using Euro 6 Standard
Type	Diesel, turbo & intercooled, 6 cylinder, OHC
Combustion system	Direct injection
Bore & stroke	137 x 146 mm
Piston displacement	12.913L
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)			
	ZF TraXon ZF16TX2441TO 16 speed AMT with Intarder			
Shifter type	Dash mounted rotary switch with Column mounted sequential shifter			
GEAR RATIOS	1	14.682	9	3.216
	2	12.048	10	2.639
	3	9.919	11	2.173
	4	8.139	12	1.783
	5	6.780	13	1.485
	6	5.564	14	1.219
	7	4.565	15	1.000
	8	3.746	16	0.821
	Reverse 1	14.138	Reverse 2	11.602
Rear axle ratio	3.900			

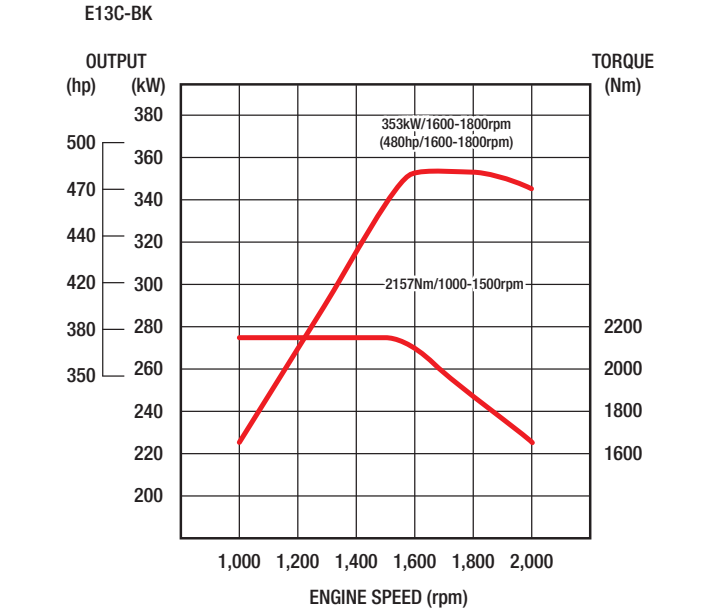
PERFORMANCE

Calculations based on 11R22.5 drive tyres @ 63 t GCM	
Engine RPM @ 100 km/h	1,670
Road Speed limited to	100 km/h
Max theoretical speed km/h	132
Theoretical gradeability % @ GCM	38.1%

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	
Transmission ZF Intarder	Equipped	
Brake Sync	Brake pedal activated Engine brake	
ES Start (Easy Smooth) Hill assist	Equipped	
Trailer brake controls & Connection	Equipped	

POWER & TORQUE CHART (ISO NET) E13C-BK



SAFETY FEATURES

Active Safety Features – Hino SmartSafe		
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
Passive Safety Features		
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 781R Reverse Elliot I-beam x 2	
	Suspension	Taper Leaf Spring, shock absorbers, Stabiliser bar & load share	
	Axle Limit (incl suspension)	15,000 kg	
	Tyre limit	13,800 kg	
REAR	Rear Axle Model & Type	THD 17 Tandem drive axle	
	Inter axle differential lock	Equipped	
	Differential Cross Lock	Front Rear & Rear Rear	
	Model	FY 3248 LEAF	FY 3248 AIR
	Suspension	Hino 6 Rod with Taper leaf springs	Hendrickson HAS with ECAS & Road Friendly Suspension Certified
	Axle Limit (incl suspension)	21,800 kg	21,000 kg
	Tyre Limit	21,800 kg	

CHASSIS FRAME

Type	Ladder-shaped channel section side rails		
Depth, Flange, Thickness	302 x 80 x 9.0 mm		
Chassis width (at rear)	840 mm		
Tensile strength	620 N/mm²		
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	295/80R22.5
	Rear	11R22.5
Number of wheels and tyres	Thirteen (13) 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 150 AH 145G51 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 Angles	First Axle	Inside 39°	Outside 30°
	Second Axle	Inside 31°	Outside 25°

GENUINE ACCESSORY OPTIONS

Bullbar	Rubber floor mats
Chrome wheel covers	Seat covers (Wool, Canvas, Carbon)
Cameras (up to additional 3 extra)	Stone guard
DVR	Sunvisor
Dash mat	Truck spec GPS nav with live traffic
Foot well Liners	Weathershields
Lane Change kit	

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	6.5" LCD, HD touch screen display with DAB+AM/ FM radio, AUX input, Bluetooth4.1 , Android 6.0 CANBUS connected & Wi-Fi enabled	
Automatic climate control	Equipped	
Central & remote door locking	Equipped with Immobiliser	
Cruise control	Equipped	
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

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

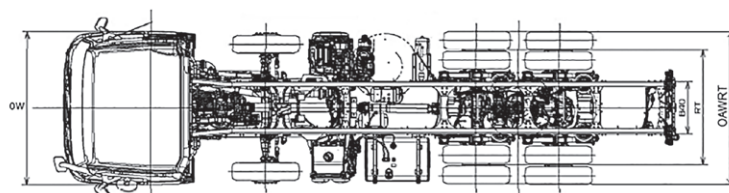
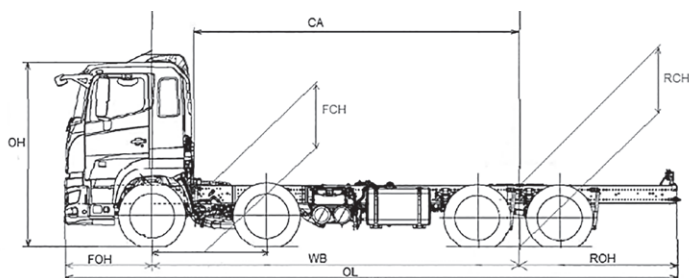
FY 3248

700 Series



DIMENSIONS – MM/WEIGHTS – KG

Model Description		FY 3248 AMT LEAF 5925	FY 3248 AMT AIR 5938
Product Code		FY1EUKP-FSAPENC	FY1EUKW-FSAPENC
Max Nom Body length ((WBx0.6)+CA-80)		8,730	8,747
Wheelbase (WB) (first axle to centre of rear axles)		5,925	5,938
Front axle spread (FAS)		1,855	
Overall length (OL)		9,885	9,885
Cab Width (CW)		2,490	
Over All Width Rear Tyres (OAWRT)		2,460	
Overall height (OH)		3,060	
Cab to rear Axle centre (CA)		5,255	5,265
Front Overhang (FOH)		1,400	
Rear Overhang (ROH)		2,560	2,547
Front Chassis Height (FCH)		1,050	
Rear Chassis Height (RCH)		1,070	1,055
Road Clearance		245	
Front Track (FT)		2,050	
Rear Track (RT)		1,855	
Turning Circle	Kerb to Kerb	23,400	
	Wall to Wall	25,200	
Indicative chassis mass—kg (STD tools, 10 litres of fuel, spare tyre & subject to a +/- 3% tolerance)			
Total		9,545	9,357
Front		6,531	6,526
Rear		3,014	2,831
Standard Ratings	GVM	32,000	
	GCM	63,000	



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)	Cab corrosion perforation
700 FY 3248	3 years or 500,000km	60 months or 750,000km	36 months

Battery warranty – 12 months from date of delivery

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer *

* For conditions, refer to the Hino Parts & Service warranty brochure



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