



700 SERIES

FY 3248 AMT LEAF/AIR



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

Euro 6
Emissions Standard

8 x 4 Cab Chassis

KEY FEATURES

- | | |
|--|---|
| ✓ Engine Retarder Brake (Jake Brake) | ✓ Euro 6 Emissions Standard |
| ✓ ISRI NTSC2 Driver's Seat with integrated safety belt | ✓ ABS, EBS, ASR, & RSS Safety Features Equipped |
| ✓ Inter-Axle Differential & Cross Locks | ✓ Load Share Twin Steer |
| ✓ Transmission Intarder | ✓ Polished Alcoa Alloy Wheels |
| ✓ ECE-R29 Cab Strength Certified | ✓ Easy Start Hill Assist (ES) |

KEY SPECIFICATIONS

GVM	32,000kg
GCM	63,000kg
Power	480hp / 353kW
Torque	2,157Nm
Transmission	16 Speed AMT TraXon
Wheelbase	5.93m

ENGINE

Model	HINO E13C-BK
Max. Output (ISO NET)	480hp / 353kW @ 1,600-1,800 RPM
Max. Output (JIS GROSS)	490hp / 360kW @ 1,600-1,800 RPM
Max. Torque (ISO NET)	2,157Nm @ 1,000-1,500 RPM
Max. Engine RPM	2,200 RPM
Engine Compliance	Euro 6
Type	Diesel, turbocharged & intercooled, 6 cylinder inline, 4 cycle, overhead camshaft, watercooled
Combustion System	Direct injection
Bore & Stroke	137 x 146mm
Piston Displacement	12.913L
Compression Ratio	17.0:1
Fuel Injection	Electronic control common rail
Air Compressor / Bore & Stroke	2 cylinder bore & stroke, 86 x 54mm
Air Cleaner	Stack type, paper elements
Exhaust	Downward exhausting short type
Emission Control System	DPR, EGR, & SCR (AdBlue®)
Engine Immobiliser	Equipped

PERFORMANCE

Calculations based on 63,000kg GCM with 11R22.5 tyres

Engine RPM @ 100km/h	1,650
Max. Theoretical Speed (km/h)	132
Gradeability Tan (%) @ GVM	38.1

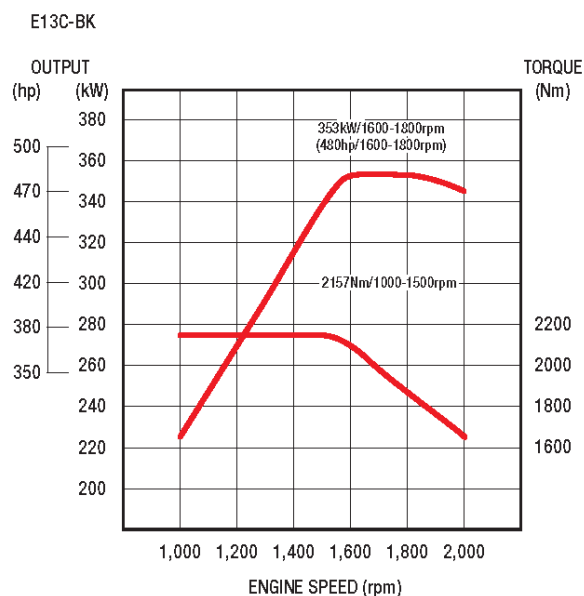
BRAKES

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	
Retarder Brake	ZF Intarder IT3	
Brake Sync	Brake pedal activated engine brake	
Easy Start Hill Assist (ES)	Equipped	
Trailer Brake Controls & Connection	Equipped	

STEERING

Type	Telescopic tilt steering column, recirculating ball, integral power steering with sub booster	
Gear Ratio	Variable	
Steering Angles (Front)	Inner - 39°	Outer - 30°
Steering Angles (Rear)	Inner - 31°	Outer - 25°

POWER & TORQUE CHART (ISO NET) E13C-BK



TRANSMISSION & GEAR RATIOS

Make & Description	ZF 16 TX TraXon 2440 T0 with Intarder			
Type	16 Speed AMT with Overdrive			
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
Final Drive Ratio	3.9:1			

CLUTCH

Model	DFS-430
Type	Dry single plate with damper springs
Clutch Plate	Mold type (non-asbestos)
Control	Mechanical Auto

FUEL TANK & SUPPLY

Material	Alloy
Fuel Capacity	390L
Lockable Fuel Cap	Equipped
Prefilter & Sedimenter	Equipped
AdBlue® Capacity	28L

SAFETY FEATURES

Active Safety Features	
Anti-Lock Brake System (ABS)	Equipped
Electronic Control Braking System (EBS)	Equipped
Anti-Slip Regulation (ASR)	Equipped
Roll Stability System (RSS)	Equipped
Auto Brake Shoe Adjuster	Equipped
Engine Retarder (Jake Brake)	Equipped
Cruise Control	Equipped
Reverse Buzzer & Camera (RC)	Equipped
Easy Start Hill Assist (ES)	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	MF781R	
	Front Axle Type	Reversed Elliot I Section Beam	
	Front Suspension Type	Taper leaf springs with stabiliser & load share	
	Axle Limit (incl. Suspension)	15,000kg (group)	
Rear	Rear Axle Model	THD 17	
	Inter-Axle Differential Lock	Equipped	
	Differential Cross Lock	Equipped	
	Rear Axle Type	Tandem drive with inter-axle differential & cross locks, full-floating single reduction, single-speed by hypoid	
	Model Variant	FY 3248 LEAF	FY 3248 AIR
	Rear Suspension Type	Hino 6-Rod with taper leaf springs	Hendrickson HAS 460 Air with ECAS
Axle Limit (incl. Suspension)	21,800kg	21,000kg	

ELECTRICAL

Type	24V negative earth	
Batteries	2 x 12V 150Ah 145G51	
Alternator Capacity	24V x 90A	
Starter Type	24V x 6.0kW	
Auto On/Off Headlamps	Low Beam: LED	High Beam: Halogen
Daytime Running Lamps (DRLs)	LED	
Cornering Lamps	Equipped	

WHEELS & TYRES

Wheel Type	Alcoa Alloy 10-stud (ISO 335 PCD)
Rim Size	22.5 x 8.25
Tyre Size – Leaf & Air	275/70R22.5 152/148 (11R22.5 optional)
Number of Tyres	12

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
Cab Heater & Air Conditioner	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	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

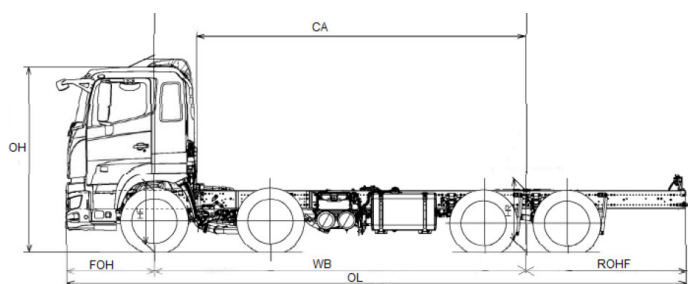
INSTRUMENTATION

LCD Display	Meters & Gauges
✓ Date, Day, & Time	✓ Speedometer
✓ Temperature Gauge	✓ Tachometer
✓ Fuel & AdBlue® Gauges	✓ Air Gauges
✓ Odometer & Hour Meter	Additional Switches & Controls
✓ Battery Warning	✓ Air Con Controls
Multi Information Display (MID)	✓ ECAS Height Control (Air Susp Model)
✓ General Information	✓ Inter-Axle Differential & Cross Locks
✓ 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	✓ ES Control
✓ MID Controls	✓ Powered Mirror Control
✓ Headlights, Indicators, Window Wipers	✓ Mirror Heater
✓ Sequential Transmission Lever	✓ Electronic Window Lock Out
✓ Engine Braking Control	✓ Headlight Leveller
✓ Handsfree Phone	✓ Hazard Lights

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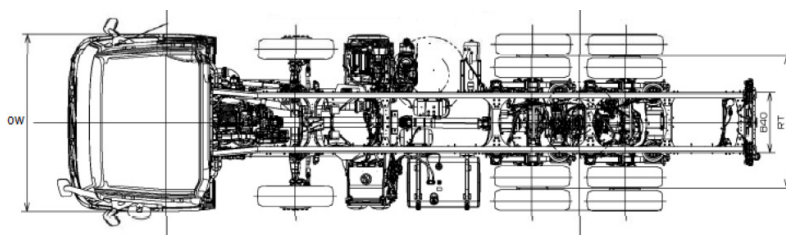
CHASSIS FRAME

Main Section (depth x flange x thickness)	302 x 80 x 9.0mm
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



DIMENSIONS (MM)

Model	FY1EUKP-FSAPENC	FY1EUKW-FSAPENC
Product Code	FY 3248 AMT LEAF 5925	FY 3248 AMT AIR 5925
Suspension	Leaf	Air
Wheelbase (WB)	5,925	
Front Axle Spread	1,855	
Rear Axle Spread	1,350	1,330
Overall Length (OL)	9,885	
Overall Width (OW)	2,490	
Overall Height (OH)	3,060	
Cab to Axle Centre (CA)	5,265	
Front Overhang (FOH)	1,400	
Rear Overhang (ROH)	1,885	
Front Chassis Height (FCH)	1,050	
Rear Chassis Height (RCH)	1,070	1,055
Front Track (FT)	2,050	
Rear Track (RT)	1,855	
Road Clearance (RC)	245	
Kerb to Kerb	23,400	
Wall to Wall	25,000	
Indicative Chassis Mass (kg) – with 10L of fuel, no tools or spare tyre, and subject to a ±3% tolerance		
Total	9,355	9,170
Front	6,440	6,435
Rear	2,915	2,735
GVM	32,000	
GCM	63,000	



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

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

Engine & Powerlines

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

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