



700 SERIES

SH 1845 AMT AIR 3450



*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 | ✓ Polished Alcoa Alloy Wheels |
| ✓ ECE-R29 Cab Strength Certified | ✓ Easy Start Hill Assist (ES) |

KEY SPECIFICATIONS

GVM	16,000 or 12,000kg
GCM	42,000kg
Power	450hp / 331kW
Torque	2,157Nm
Transmission	16 Speed AMT TraXon
Wheelbase	3.45m
Max Nominal Body Length	4.8m

ENGINE

Model	HINO E13C-BL
Max. Output (ISO NET)	450hp / 331kW @ 1,500-1,800 RPM
Max. Torque (ISO NET)	2,157Nm @ 1,000-1,400 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, 137 x 146mm
Air Cleaner	Behind cab mounted paper elements
Exhaust	Horizontal outlet
Emission Control System	DPR, EGR, & SCR (AdBlue®)
Engine Immobiliser	Equipped

PERFORMANCE

Calculations based on 42,000kg GCM with 11R22.5 tyres

Engine RPM @ 100km/h	1,596
Max. Theoretical Speed (km/h)	137
Gradeability Tan (%) @ GVM	60.0

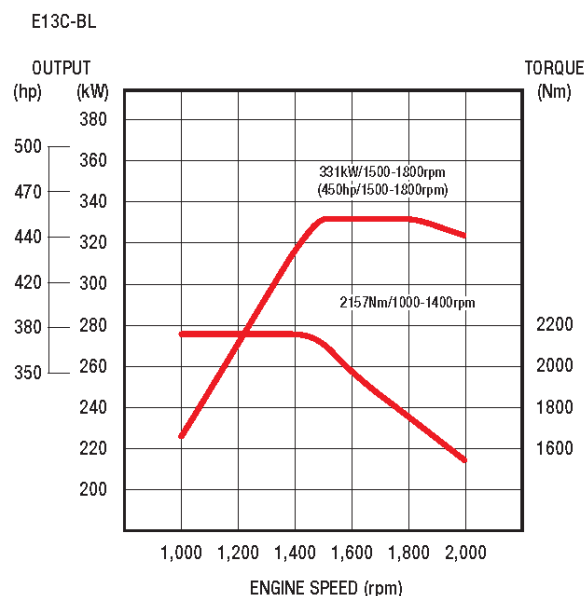
BRAKES

Type	Full air, 4 wheel disc
Control	Dual circuit
Disc Diameter	434mm
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
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	Inner - 49°	Outer - 35°

POWER & TORQUE CHART (ISO NET) E13C-BL



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	3.727:1			

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	450L
Lockable Fuel Cap	Equipped
Prefilter & Sedimenter	Equipped
AdBlue® Capacity	56L

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 Regulation (ASR)	Equipped
Auto Brake Shoe Adjuster	Equipped
Engine Retarder (Jake Brake)	Equipped
Adaptive Cruise Control (ACC)	Equipped
Reverse Buzzer & Camera (RC)	Equipped
Park Brake Door Open Warning	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	MF781R
	Front Axle Type	Reversed Elliot I Section Beam
	Front Suspension Type	Taper leaf springs with stabiliser
	Axle Limit (incl. Suspension)	7,500kg
Rear	Rear Axle Model	SH 19
	Differential Cross Lock	Equipped
	Rear Axle Type	Full-floating single reduction
	Rear Suspension Type	Hino 4 bag air suspension with ECAS
	Axle Limit (incl. Suspension)	12,800kg

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	Front: 295/80R22.5	Rear: 11R22.5
Number of Tyres	7 incl. spare	

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

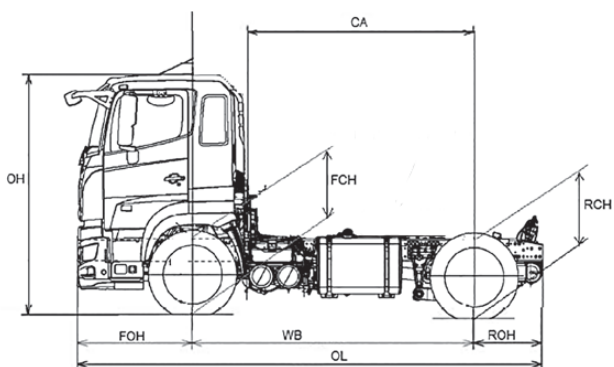
INSTRUMENTATION

LCD Display	Meters & Gauges
✓ Date, Day, & Time	✓ Speedometer
✓ Temperature Gauge	✓ Tachometer
✓ Fuel & AdBlue® Gauges	✓ Air Gauges
✓ Odometer & Hour Meter	Additional Switches & Controls
✓ Battery Warning	✓ VSC, PCS, & LDWS Off
Multi Information Display (MID)	✓ ECAS Height Control
✓ General Information	✓ Air Con Controls
✓ Safety Feature Settings	✓ Differential Cross Lock
✓ Cruise Control	✓ Brake Sync
✓ Eco Tree	✓ Shift Selector
✓ Display Settings	✓ Idle Up
✓ System Check	✓ Quick Warm Up
Steering Wheel & Column Controls	✓ DPR Regeneration
✓ Cruise Control	✓ ECO Run
✓ MID Controls	✓ ES Control
✓ Headlights, Indicators, Window Wipers	✓ Powered Mirror Control & Heater
✓ Sequential Transmission Lever	✓ Electronic Window Lock Out
✓ Engine Braking Control	✓ Headlight Leveller
✓ Handsfree Phone	✓ Hazard Lights

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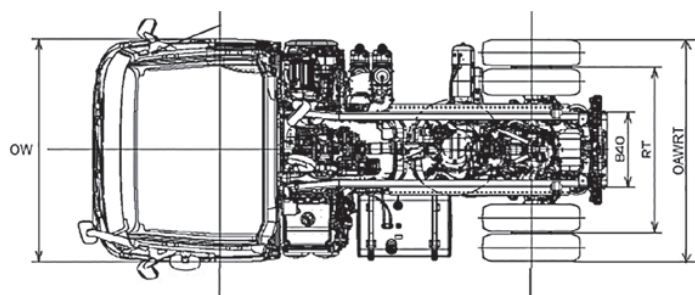
CHASSIS FRAME

Main Section (depth x flange x thickness)	279 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	SH1EAKG-ESAPEAC
Product Code	SH 1845 AMT AIR 3450
Suspension	Air
Wheelbase (WB)	3,450
Overall Length (OL)	5,685
Overall Width (OW)	2,490
Overall Height (OH)	3,015
Cab to Axle Centre (CA)	2,775
Front Overhang (FOH)	1,400
Rear Overhang (ROH)	835
Front Chassis Height (FCH)	985
Rear Chassis Height (RCH)	990
Front Track (FT)	2,050
Rear Track (RT)	1,845
Road Clearance (RC)	225
Kerb to Kerb	12,200
Wall to Wall	14,000
Indicative Chassis Mass (kg) – with 10L of fuel, standard tools, spare tyre, and subject to a ±3% tolerance	
Total	6,811
Front	4,956
Rear	1,855
GVM	16,000 or 12,000
GCM	42,000



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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