

HINO

700 Series



* Illustration may contain item not standard to the model

6 x 4 Prime Mover Cab Chassis

KEY FEATURES

- Hi Roof option
- Automated Manual Transmission (AMT) option
- Transmission Intarder (AMT models only)
- Air Rear Suspension
- Jacob Type Engine Brake
- Heated & Electrically Operated External Mirrors
- Cruise Control
- HID Hedlamps
- ISRI 6860/870 Drivers Seat with Integrated Safety Belt
- Drivers SRS Airbag
- ECE R29 Cab Strength Compliance

KEY SPECIFICATIONS

GVM.	28,300kg
GCM.	72,000kg
Power	353kW
Torque.	2,157Nm
Transmission	AMT ZF TraXon MT Eaton RTLO 18918B
Wheelbase	AMT 4,018mm MT 4,005mm
Nominal Body Length	5,590mm

ENGINE

Model	Hino E13C VG
Max. output (ISO NET) @ 1,800 RPM	353kW (480 HP)
Max. torque (ISO NET) @ 1,100 RPM	2,157Nm (220 kgf/m)
Max. engine speed	1,900rpm
Engine compliance	ADR 80/03
Type	Diesel, turbo charged & inter-cooled, 6 cylinder in-line, overhead camshaft
Combustion system	Direct injection type with Cooled-EGR
Bore & stroke	137 x 146mm
Piston displacement	12.913L
Compression ratio	17.0:1
Engine oil capacity	37.0L
Fuel injection pump	Electronic control common rail
Air cleaner	Dual paper elements
Air compressor	Single cylinder, water cooled
Compressor bore & stroke	95 x 70mm
Exhaust	Horizontal outlet
Emission Control System	EGR & SCR (AdBlue®) meeting ADR 80/03 using Euro 5 STD

CLUTCH

	MT	AMT
Model	Hino CR-380	CS-430 Series
Type	Twin plate with damper springs	Single plate with damper springs
Control	Hydraulic with air booster	Automated & Auto adjusting
Facing material	Ceramic	Organic
Facing diameter	387mm	430mm

TRANSMISSION

Model	SS 2848 MT				SS 2848 AMT			
Make	Eaton RTLO Road Ranger				ZF TraXon			
Code	RTLO 18918B				ZF16 TX2441 TO			
Type	18 forward & 4 reverse				16 forward & 2 reverse			
Control	Mechanical				Electronic			
Gear Ratios	Manual				AMT			
Gear Position	1	14.402	12	1.952	1	14.68	12	1.78
	2	12.287	13	1.617	2	12.05	13	1.49
	3	8.561	14	1.379	3	9.92	14	1.22
	4	7.303	15	1.172	4	8.14	15	1.00
	5	6.048	16	1.000	5	6.78	16	0.82
	6	5.160	17	0.855	6	5.56	Rev 1	14.14
	7	4.384	18	0.730	7	4.57	Rev 2	11.60
	8	3.740	Rev 1	15.057	8	3.75		
	9	3.201	Rev 2	12.845	9	3.22		
	10	2.731	Rev 3	4.025	10	2.64		
	11	2.288	Rev 4	3.434	11	2.17		

PERFORMANCE

	SS 2848 MT	SS 2848 AMT
Calculation based on GCM with 11R22.5 drive tyres	72,000	72,000
Final drive ratio	4.555 to 1	3.9 to 1
Engine rpm @ 100km/h	1,750	1,668
Max theoretical speed (km/h)	108	114
Gradeability Tan Θ (%) @ GCM	38.0	32.4

All models electronically speed limited to 100km/h

BRAKES

Type		Full air, dual circuit, “S” cam type, leading & trailing shoes for front & rear with auto slack adjuster
Drum size	Front	406.4 x 152mm
	Rear	410.4 x 216mm
Air drier		Equipped
Anti-lock Brake System (ABS)		Equipped
Trailer brake control		Hand control on dash (plumbing at back of cab)
Park brake		Spring brake acting on 1st and 2nd axles
Engine brake		Engine compression brake equipped
Transmission brake		ZF Intarder (AMT models only)

AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model	MF 781 series
	Type	Reverse Elliot I-Beam
	Suspension	Semi-elliptic taper leaf springs with shock absorbers & stabiliser
	Spring Dimensions	1,700 x 90mm
	Number of Leafs	3
	Spring Rate	34.1 kgf/mm
	Axle Limit (including suspension)	7,500 kg
REAR	Tyre Limit	6,900 kg
	Rear Axle Model	THD 18 Tandem Axle
	Type	Bogie drive with inter-axle differential lock, fully floating single reduction by Hypoid gears
	Rear Rear Cross Lock	Fitted
	Suspension	Hendrickson HAS 460 airbag with double acting shock absorbers and dump valve
	Road Friendly Suspension Rating	N/o RF2005
	Axle Limit (including suspension)	21,000 kg
	Tyre Limit	21,800 kg

WHEELS & TYRES

Wheel type	10 stud disc wheels (ISO 335 PCD)
Rim size	22.5 x 8.25- offset 165mm
Tyre size	Front: 295/80R22.5 152/148
	Rear: 11R22.5-148/145
Number of tyres	11 (including spare)
Tools included	Wheelbrace and jack

FUEL TANK

Type	Square aluminium	
Volume	Left side 450L	Right side 250L
Total	700L	
Fuel pre-filter & sedimenter	Equipped	
Locking fuel caps	Equipped	
AdBlue® tank capacity	2 x 28L Total 56L	

CAB DETAILS

Type	Forward control, all steel welded construction, full-floating air-suspension cab with electric tilting mechanism	
Hi Roof Cab	Optional	
ECE R29 cab strength	Compliant	
Driver SRS Airbag	Equipped	
Seating capacity	2	
Driver's seat	ISRI 6860/870 Urethane foam pads, high-back, lumbar support, Multi adjustable, air suspended, with integrated Safety Belt	
Passenger seat	Urethane foam pads, high back & reclining seat with fabric cover	
Centre console	Equipped	
Seat belts	3-point type on driver's & side passenger seats	
External rear view mirrors	Electric and heated, 2 flat type	
	2 convex spotters and left side kerb view	
Windshield wipers	Electric, triple-arm, with intermittent & 2 speed control	
Sun visor & overhead console	Equipped	
Centre overhead console	Equipped	
Cigarette lighter (24 volt)	Equipped	
Electrical converter	12V (harness type)	
Ventilator	Forced type with 4 speed electric blower	
Heater & defroster	Equipped	
Air conditioner	Equipped	
Sleeper berth	Single, with blackout curtains (ADR Compliant)	
Multi media system	6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AUX input, Bluetooth® 4.1, Android 6.0, CANBUS connection and Wi-Fi enabled	
Speakers	Driver, passenger & centre	
Floor mat	Vinyl mat	
Front air spoiler	Equipped	
Cab step	Equipped	
Trim	Full trim type / side roof back	
Electric power windows	Both sides	
Electric door lock	Remote control keyless entry	
Cab pockets	Both door sides & passenger seat	
Cruise Control	Equipped	
Reverse camera	Equipped	

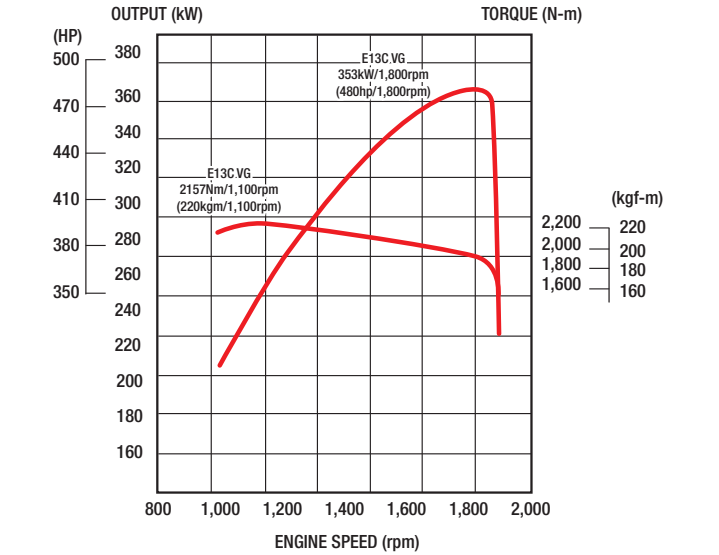
ELECTRICAL

Type	24 volts, negative earth	
Batteries	12V x 2 series connection	
Capacity	150Ah at 20 hour rate	
Alternator	Brushless type 24V, 90A with built-in rectifier & voltage regulator	
Starter	24V, 6.0kW	
Lamps	High intensity discharge (HID) headlamps, fog lamps, cornering lamps, room lamp (fluorescent lamp), map lamp	

STEERING

Steering column	Telescopic & tilt with locking device	
Steering box	Recirculating ball with Integral Power Steering	
Gear ratio	23.4-25.2:1	
Steering angle	Inside 49°	Outside 35°

POWER & TORQUE CHART (ISO NET) E13C VG



INSTRUMENTS

Meters and gauges	Warning, pilot lamps and buzzers
Speedometer with trip meter	Engine oil pressure warning lamp & buzzer
Odometer	Air pressure warning lamp & buzzer
Fuel gauge	High beam indicator lamp
Tachometer	Turn signal indicator lamp
Coolant temperature gauge	Parking brake indicator lamp
Air pressure gauge x 2	Coolant level warning lamp & buzzer
Switches	Differential lock indicator lamp
Lights	Engine over-run warning buzzer
Indicators, dimmer & passing	Battery charging indicator lamp
Wiper & washer	Fuel filter water level warning lamp
Hazard lamp	Transmission range (Eaton only)
Fog lamp	ABS warning lamp (truck & trailer)
Room lamp	Trailer brake indicator lamp
Warning lamp check	Others
Map lamp	Horn button
Inter axle lock	Idle up control knob
Rear differential cross lock	Gear display (AMT only)
Mirror heating	
Economy running	
Engine brake	
Cruise Control	
Suspension dump	
Low speed (Slow) AMT only	

CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Chassis width (at rear)	840mm
Main section in mm (depth x flange x thickness)	298 x 90 x 7.0mm
Main section tensile strength	620 N/mm ² (63 kgf/mm ²)
Tow hook (front)	Supplied
Front underrun protection	Equipped

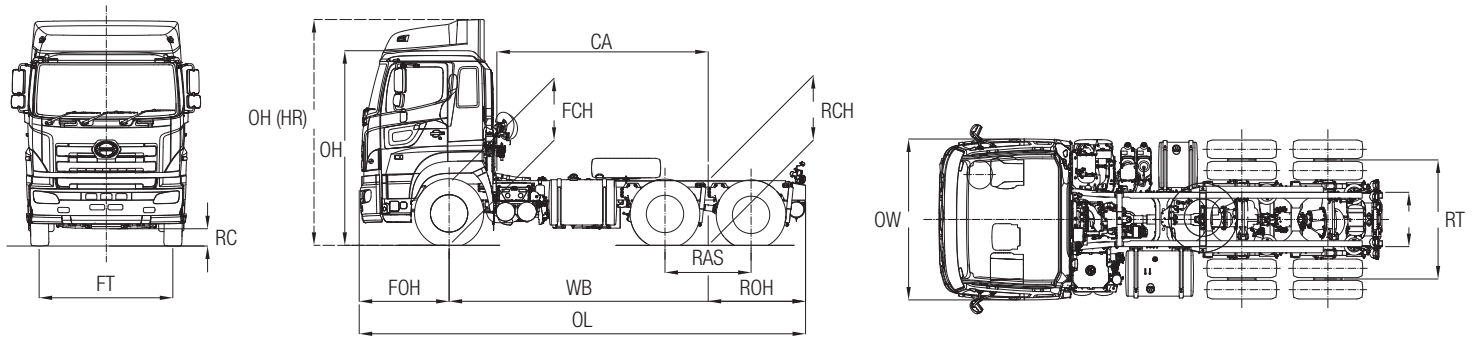
GENUINE ACCESSORY OPTIONS

Bull bar/nudge bar	Stoneguard
Chrome wheel covers	Woodgrain dash panel
Sat Nav (truck specific)	Transmission PTO (AMT only)
Extra vision cameras (up to 3)	DVR

Please check with your dealer for price, availability & fitment for these options

DIMENSIONS – MM / CAPACITIES

Model 700 Series	SS 2848 MT AIR 4005	SS 2848 AMT AIR 4018	SS 2848 AMT AIR 4018 HR
Model code	SS1EKLK-WAZ	SS1EKLK-VRZ	SS1EKLK-VSZ
Nominal Body Length (WB x 0.6) + CA – 100	5,590		
Wheelbase (WB)	4,005	4,018	
Overall length (OL)	6,895		
Overall width (OW)	2,490		
Overall height (OH)	3,000	3,480	
Cab to rear axle centre (CA)	3,300		
Front overhang (FOH)	1,380		
Rear overhang (ROH)	1,497		
Front chassis height (FCH)	990	995	990
Rear chassis height (RCH)	1,040		
Road clearance (at diff. case) (RC)	210		
Front track (FT)	2,050		
Rear track (RT)	1,840		
Turning circle (kerb to kerb)	15,000		
Turning circle (wall to wall)	16,800		
Chassis mass – kg (standard tools, 10 litres of fuel, spare tyre & subject to a ±3% variance)			
Total	8,310	8,497	8,557
Front	4,835	4,801	4,856
Rear	3,475	3,696	3,701
GVM	28,300		
GCM	72,000		



WARRANTY

New vehicle warranty period

Heavy Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine component warranty (whichever comes first)	Cab corrosion perforation
700 SS 2848	6 x 4	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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