



\* Illustration may contain item not standard to the model

**ADR 80/03 Model**  
**6 x 4 Truck Chassis**

## KEY FEATURES

- ECE R29 Cab Strength Compliance
- Integrated Factory FUPS
- Heated & Electrically Operated External Mirrors
- Cruise Control
- HID Headlamps
- ISRI 6860 Drivers Seat with Integrated Safety Belt

## KEY SPECIFICATIONS

<b>GVM.</b>	28,300kg
<b>GCM.</b>	72,000kg
<b>Power</b>	353kW @ 1800 RPM
<b>Torque</b>	2157Nm @ 1100 RPM
<b>Transmission</b>	RTLO 18918B
<b>Wheelbase</b>	.4005mm





# SS 2848 Air

## Engine, Driveline & Chassis specifications

### ENGINE

Model . . . . .	Hino E13C VG
Max. output (ISO NET) . . . . .	353kW (480 PS) at 1800rpm
Max. output (JIS GROSS) . . . . .	360kW (490 PS) at 1800rpm
Max. torque (ISO NET) . . . . .	2157Nm at 1100rpm
Max. torque (JIS GROSS) . . . . .	2197Nm at 1100rpm
Max. engine speed. . . . .	1900rpm
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
Engine coolant capacity . . . . .	27.4L
Fuel injection pump . . . . .	Electronic control common rail
Governor . . . . .	Electric
Air cleaner. . . . .	Dual paper elements
Air compressor . . . . .	Single cylinder, water cooled
Bore & stroke . . . . .	95 x 70mm
Exhaust. . . . .	Horizontal outlet with SCR
Emission Control System . . . . .	EGR & SCR meeting ADR 80/03 using Euro 5 STD

### CLUTCH

Model . . . . .	Hino CR-380
Type . . . . .	Dry twin plate with damper springs
Control . . . . .	Hydraulic with air booster
Facing material . . . . .	Ceramic
Facing diameter. . . . .	387mm

### TRANSMISSION

Model . . . . .	RTLO 18918B
Type . . . . .	Eaton 18 forward & 4 reverse speeds, double overdrive, constant mesh 1st - 18th
Control . . . . .	Mechanical
Final drive ratio . . . . .	4.555:1

1st	14.402	12th	1.952
2nd	12.287	13th	1.617
3rd	8.561	14th	1.379
4th	7.303	15th	1.172
5th	6.048	16th	1.000
6th	5.160	17th	0.855
7th	4.384	18th	0.730
8th	3.740	Rev.	15.057
9th	3.201	Rev.	12.845
10th	2.731	Rev.	4.025
11th	2.288	Rev.	3.434

### PERFORMANCE

Engine RPM @ 100km/h . . . . .	1750
Max theoretical speed (km/h) . . . . .	108
Vehicle electronically speed limited to 100km/h	
Gradeability Tan $\theta$ (%) @ GCM . . . . .	38

### BRAKES

Type . . . . .	Full air, dual circuit, "S" cam type, leading & trailing shoes for front & rear with auto slack adjuster
Size	Front Drum . . . . . 406.4 x 152mm Rear Drum. . . . . 410.4 x 216mm
Air drier. . . . .	Equipped
ABS . . . . .	Equipped
Trailer brake control . . . . .	Hand control on dash
Park brake. . . . .	Spring brake acting on 1st & 2nd axle
Engine brake . . . . .	Engine compression brake equipped

### AXLE LOAD & TYPE

Axle load limit . . . . .	Front axle . . . . . 7500kg Rear axle . . . . . 21,000kg
Front axle type . . . . .	MF781 series, Reversed Elliot, section I-Beam
Rear axle type . . . . .	THD18 tandem axle, dual drive with inter-axle differential lock, full-floating single reduction, single-speed by hypoid
Rear rear axle . . . . .	Cross lock fitted

### SUSPENSION

Front suspension Type . . . . .	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size . . . . .	1700 x 90mm
Rear suspension Type . . . . .	Hendrickson HAS 460 airbag suspension with shock absorbers and Dump Valve
Capacity . . . . .	21,000kg

### 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 . . . . .	460 + 250 = 710L
Fuel pre-filter & sedimenter . . . . .	Equipped
Locking fuel cap . . . . .	Equipped
Ad Blue tank capacity. . . . .	56L



# SS 2848 Air

## Cab equipment & Instrumentation

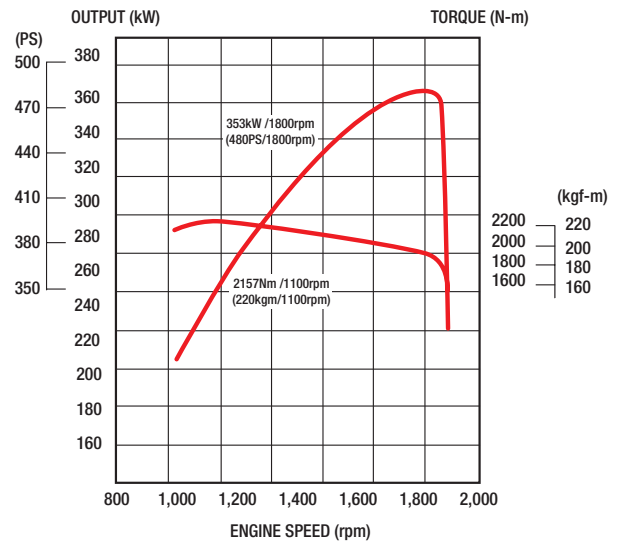
### CAB DETAILS

Type . . . . .	Forward control, all steel welded construction, full-floating air-suspension cab with electrical tilting mechanism
ECER29 Cab strength . . . . .	Compliant
Driver SRS Airbag . . . . .	Equipped
Front Underrun Protection . . . . .	Equipped
Seating capacity . . . . .	2 optional 3
Driver's seat . . . . .	ISRI 6860 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
Rear view mirrors . . . . .	2 external electrically controlled, flat type mirrors with heaters and spotters
Windshield wipers . . . . .	Electric, triple-arm, with intermittent & 2 speed control
Sun visor & overhead console . . . . .	Equipped
Centre overhead console . . . . .	Equipped
Cigarette lighter (24 volt) . . . . .	Equipped
Ventilator . . . . .	Forced type with electric blower
Heater & defroster . . . . .	Equipped
Air conditioner . . . . .	Equipped
Sleeper berth . . . . .	Single, with blackout curtains
Audio . . . . .	DAB+ AM/FM radio/CD & DVD player with Blue Tooth
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
Electrical converter. . . . .	12V (harness type)
Cruise Control . . . . .	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 . . . . .	Gas discharge (HID) headlamps, fog lamps, cornering lamps, room lamp (fluorescent lamp), map lamp

### POWER & TORQUE CHART (ISO NET) E13C VG



### INSTRUMENTS

#### 1. Meters and gauges

- Speedometer with trip meter
- Odometer
- Fuel gauge
- Tachometer
- Coolant temperature gauge

#### 2. Switches

- Lights
- Indicators, dimmer & passing
- Wiper & washer
- Hazard lamp
- Fog lamp
- Room lamp
- Warning lamp check
- Map lamp
- Differential lock
- Rear rear differential cross lock
- Mirror heating
- Economy running
- Cruise Control

#### 3. Warning, pilot lamps and buzzers

- Engine oil pressure warning lamp & buzzer
- Air pressure warning lamp & buzzer
- High beam indicator lamp
- Turn signal indicator lamp
- Parking brake indicator lamp
- Coolant level warning lamp & buzzer
- Differential lock indicator lamp
- Engine over-run warning buzzer
- Fuel level warning lamp
- Battery charging indicator lamp
- Fuel filter water level warning lamp
- Transmission splitter range
- ABS warning lamp
- Trailer brake indicator lamp

#### 4. Others

- One key starting-stopping
- Horn button
- Idle up control knob

### STEERING

Steering column. . . . .	Telescopic & tilt with locking device
Steering box . . . . .	Recirculating ball with Integral Power Steering
Gear ratio . . . . .	24.1 - 23.8 - 1
Steering angle . . . . .	<b>Inside:</b> 48-50° <b>Outside:</b> 39°

### CHASSIS FRAME

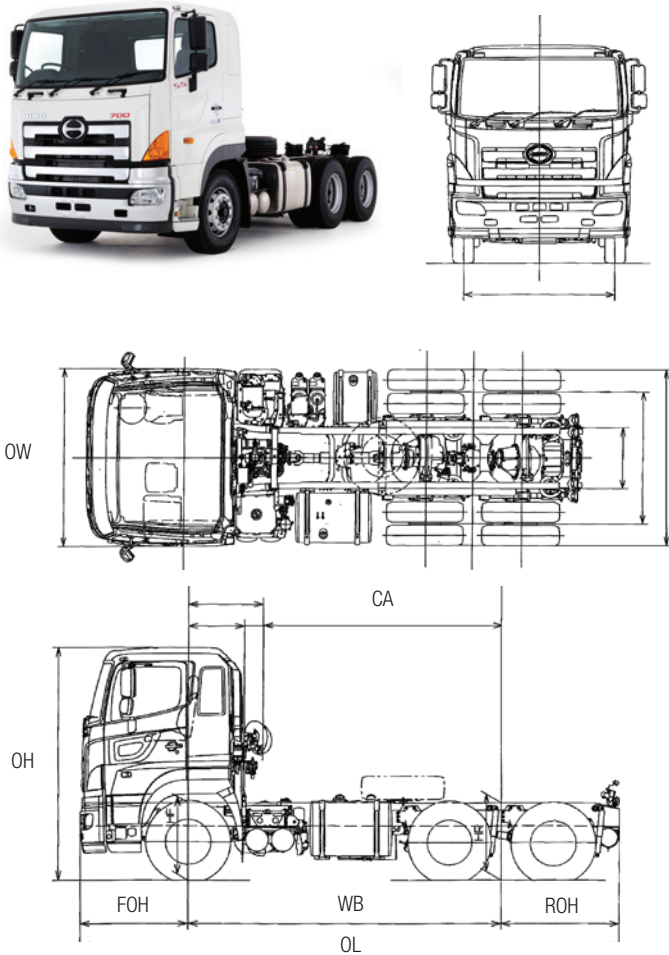
Type . . . . .	Ladder-shaped channel section side rails
Rear chassis width. . . . .	840mm
Size . . . . .	279 x 90 x 7.0mm
Tensile strength . . . . .	620N/mm <sup>2</sup> {63kgf/mm <sup>2</sup> }
Hook . . . . .	Equipped for front
Front Underrun Protection . . . . .	Equipped



SS 2848 Air

# Dimensions

**700**  
S E R I E S



## DIMENSIONS – mm / Capacities

<b>Model</b>	Hino SS 2848 Air
<b>Product code</b>	SS1EKLG-WAZ
<b>Wheelbase (WB)</b>	4005
<b>Overall length (OL)</b>	6895
<b>Overall width (OW)</b>	2490
<b>Overall height (OH)</b>	2995
<b>Cab to rear axle centre (CA)</b>	3295
<b>Front overhang (FOH)</b>	1380
<b>Rear overhang (ROH)</b>	1510
<b>Front chassis height</b>	990
<b>Rear chassis height</b>	1045
<b>Front track</b>	2050
<b>Rear track</b>	1840
<b>Road clearance (at diff. case)</b>	210
<b>Turning circle (kerb to kerb)</b>	15,000
<b>Turning circle (wall to wall)</b>	16,640
<b>Chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)</b>	
<b>Total</b>	8310
<b>Front</b>	4835
<b>Rear</b>	3475
<b>GVM</b>	28,300
<b>GCM</b>	72,000

## GENUINE ACCESSORY OPTIONS

- |                              |                      |
|------------------------------|----------------------|
| Bull bar                     | Side skirts          |
| Chrome wheel covers          | Step cover kit       |
| Sat Nav                      | Stoneguard           |
| Rear vision camera (up to 3) | Woodgrain dash panel |
| Roof spoiler                 |                      |

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

## WARRANTIES

New vehicle warranty period

Heavy Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine component warranty (whichever comes first)	Cab corrosion perforation
<b>700 SS 2848 Air</b>	<b>6 x 4</b>	<b>3 years or 500,000km</b>	<b>60 months or 750,000km</b>	<b>36 months</b>

Battery warranty – 12 months from date of delivery. Engine component warranty covers, crankshaft, cylinder block and head castings. 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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