

HINO

700 Series

The Road Ahead



Nothing compares to the opportunity of the open road ahead.

Move forward and make the most of your prospects with the hard driving Hino 700 at your side.



Proven Hino technology means that your vehicle will perform reliably no matter what the long haul can throw at it. The solid, heavy-duty exterior is the shell for a power plant that pumps out up to 2157Nm of torque; while the new Hino 700 engine itself is more powerful and energy efficient; reducing running costs through common rail diesel technology and providing great fuel economy and reduced carbon emissions. But the ride won't just be effortless, it will be comfortable too. The Hino 700 cab - with ergonomic seats and easy to use instrumentation panels, is designed with the driver in mind. The 2845 and 2848 features bunk beds in a spacious cab that takes the grind out of long distance trucking and ensures that your driver arrives at your destination well-rested, on time and ready to go again.

Model Range

The no-nonsense range of Hino 700 Trucks is ready to move in and take your business to meet the next challenge.

2841 Freight Carrier



2841 Tipper



2845 Truck Tractor



1941 Truck Tractor



2848 Truck Tractor



Features

Count on cutting edge Hino technology to always deliver. Now you can forge stronger partnerships and move your business forward on the back of the rock steady Hino 700.

The ergonomic placement of the driver seat makes for a better driving environment while the control meters and switches are strategically placed around the driver's seat, making them easy to see and use. The cab in the 2845 and 2848 features double sleeper beds; a safe and comfortable place to rest before you get back on the long haul.



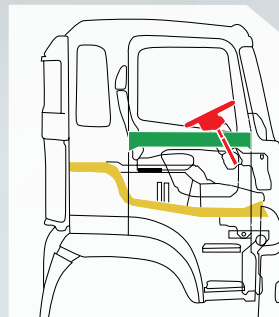
The three-dimensional, body-cradling form and seat suspension from ISRI, a top European name, provides superior seating comfort. The air lumbar support (with two-position backrest) supports the driver's back comfortably.



In the event of a head-on collision, the bendable, energy-absorbing steering wheel and collapsible tilt / telescopic steering column help absorb some of the impact, to better protect the driver.



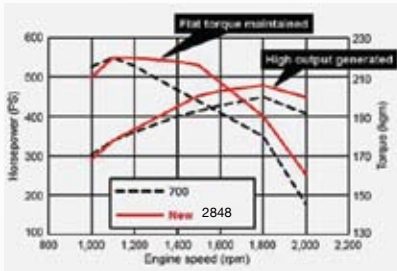
The air suspension system dampens road vibrations and effectively prevents load shifts and cargo damage and incorporates a chassis lowering function within the cab for easy trailer hook-up.



The high-rigidity EGIS (Emergency Guard Impact Safety) cab with reinforced main frame, door impact beams, energy-absorbing steering wheel and collapsible steering column and other advanced safety features help protect the driver in the event of a collision. The front underrun prevention guard prevents smaller vehicles from sliding under the front of the truck in collision.

Engine

The new 2848 model comes with a E13C 480hp engine, this means a higher output and flatter torque curve.



The use of aluminium, that prevents rust and corrosion in the transmission case and air tank, and the adoption of nylon tubing, a single-skin frame and lighter air wedge help decrease chassis weight while ensuring tensile strength and rigidity.

The wide-opening front lid makes it easy to add oil or water. Daily inspection and maintenance can be performed without tilting the cab.



Fuel Tank

The 2845 and 2848 models come fitted with two fuel tanks to help you go further. (820 litres total capacity)



Chassis

Vehicles that are constructed and stamped as Hino represent a heritage of tenacity, resilience and good old fashioned grit. These traits that are the hallmarks of success. Always in motion and evolving to be better, the Hino 700 chassis is constructed as a web frame.

Specifications

	2841 Tipper	2441 Chassis Cab	1941 Truck Tractor	2845 Truck Tractor	2848 Truck Tractor
Engine					
Make	Hino	Hino	Hino	Hino	Hino
Model	E13CTN	E13CTN	E13C-TT	E13C-TT	E13C-TT
Configuration	6 Cyl in-line	6 Cyl in-line	6 Cyl in-line	6 Cyl in-line	6 Cyl in-line
Displacement(cm3)	12 913	12 913	12 913	12 913	12 913
No. of valves per cylinder	4	4	4	4	4
Aspiration	Turbo intercooled	Turbo intercooled	Turbo intercooled	Turbo Intercooled	Turbo Intercooled
Performance					
Gradeability @ GVM (%)	44,2	71,5	42,8	33,1/39,7*	33,1/39,7*
Max. geared speed (km/h)	93	93	97	130/111*	133/114*
Air cleaner	Hino	Hino	Hino	Hino	Hino
Power (k @ r/min)	302@1800	302@1800	302@1800	331@1800	353@1800
Torque (Nm @ r/min)	1 863@1 100	1 863@1 100	1 863@1 100	2 157@1 100	2 157@1 100
Transmission					
Make	Hino HX07	ZF 16S221	ZF 16S221	ZF 16S22	ZF 16S22
Type	7 Speed	16 Speed	16 Speed	16 speed	16 speed
Full Synchromesh	Synchro 2-7	Yes	Yes	Yes	Yes
Ratio	6.230 - 0.595	13.804 - 0.835	13.804 - 0.835	13.804 - 0.835	13.804 - 0.835
Clutch					
Diameter (mm)	430	380 Twin plate	430	430	430
Steering					
Type: Power assisted, re-circulating ball	Yes	Yes	Yes	Yes	Yes
Turning radius between kerbs (m)	7.99	10.45	6.35	7.64	7.64
Turning radius between walls (m)	8.65	11.20	77.05	8.35	8.35
Suspension					
Front:					
- Type	Tapered - leaf spring	Tapered - leaf spring	Tapered - leaf spring	Tapered - leaf spring	Tapered - leaf spring
- Configuration	Semi - elliptic	Semi - elliptic	Semi - elliptic	Semi - elliptic	Semi - elliptic
- Shock absorbers	Single acting	Single acting	Single acting	Semi acting	Semi acting
Rear:					
- Type	Multi - leaf spring	Multi - leaf spring	Hendrikson Air	Hendrikson Air	Hendrikson Air
- Configuration	Semi - elliptic	Semi - elliptic	Semi - elliptic	Semi - elliptic	Semi - elliptic
- Shock absorbers	N/A	N/A	Double Acting	Double Acting	Double Acting
Rear Axle					
Type	Hypoid single	Hypoid single	Hypoid single	Hypoid Single	Hypoid Single
Ratio: Standard	6.428	4.555	4.333	3.900/4.555	3.900/4.555
: Optional	N/A	3.900	3.727	N/A	N/A
Brakes					
System	Full Air	Full Air	Full Air	Full Air	Full Air
Type: Front	Drum	Drum	Drum	Drum	Drum
Type: Rear	Drum	Drum	Drum	Drum	Drum
Auxiliary	Engine Retarder	Engine Retarder	Transmission Intarder/ Engine Retarder	Transmission Intarder/ Engine Retarder	Transmission Intarder/ Engine Retarder
Wheels & Tyres					
Wheel size	9.00x22.5 - 175 mm	9.00x22.5 - 175 mm	9.00x22.5 - 175 mm	9.00x22.5 - 175 mm	9.00x22.5 - 175 mm
Tyre size	315/80R22.5	315/80R22.5	315/80R22.5	315/80R22.5	315/80R22.5
Load index (single/dual)	154L/146L	154L/146L	154L/146L	154L/146L	154L/146L
Spare wheel carrier	No	Yes	Yes	No	No
Other Specifications					
Fuel tank capacity (L)	300	300	400	840	840
Electrical system	24 Volt Neg.	24 Volt Neg.	24 Volt Neg.	24 Volt Neg.	24 Volt Neg.
Service Intervals					
On road application**	7 500 or 150 hrs	20 000	20 000	20 000	20 000
Mass Data (Kg)					
Tare - Front	4 240	4 380	4 560	5055	5055
- Rear	4 000	4 460	2 320	4110	4110
Total	8 240	8 840	6 880	9165	9165
GA - Front	7 500	7 500	7 500	7 500	7 500
- Rear	21 800	21 800	13 000	21 000	21 000
A - Front	7 500	7 500	7 500	7 500	7 500
- Rear	18 000	18 000	9 000	18 000	18 000
V - Rating	25 500	25 500	16 500	25 500	25 500
GVM	28 300	28 300	14 500	28 300	28 300
GCM	28 300	57 000	45 500	65 000	65 000
D/T (Legal Combined rating/drawing)	28 300	56 000	45 500	57 000	57 000
Legal body & payload mass (excl fuel)	17 260	16 660	N/A	N/A	N/A
Legal trailer & payload mass (excl fuel)	N/A	47 160	38 620	47 835	47 835

* Calculations based on 65.0 ton GCM ** Please refer to the service book for specific manufacturer requirements depending on vehicle application.

- Warranty periods: 12 months unlimited, 24 months / 300 000 km on driveline, 36 months rust perforation.

Dimensions

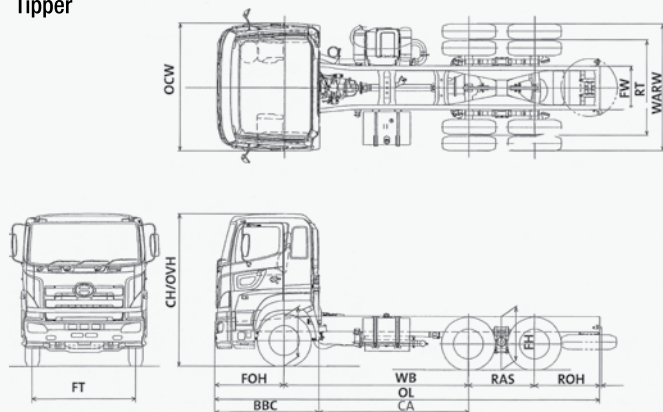
	2841 Tipper	2441 Chassis Cab	1941 Truck Tractor	2845 Truck Tractor	2848 Truck Tractor
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Dimensions (All dimensions in mm)

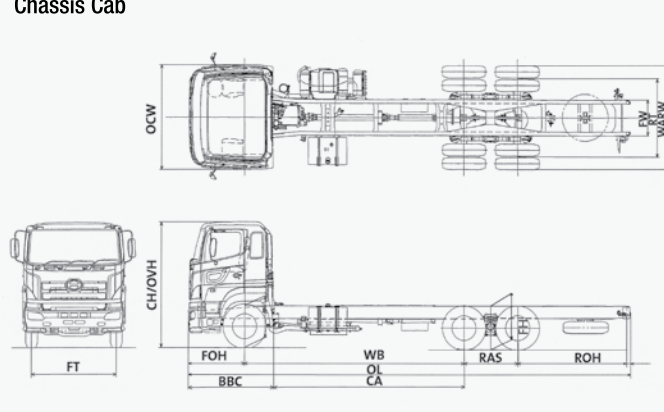
Allow 5mm tolerance on all dimensions

OL	- Overall length	7 625	10 785	5 885	6 835	6 835
OCW	- Overall cab width					
	including fender ex mirrors	2 490	2 490	2 490	2 550	2 550
CH	- Cab height	3 030	3 025	2 995	3 500	3 500
OH	- Overall Vehicle Height	3 030	3 025	2 995	3 500	3 500
WB	- Wheelbase	4 310	6 005	3 500	3 855	3 855
FOH	- Front overhang	1 370	1 370	1 370	1 380	1 380
RON	- Rear overhang	1 290	2 655	1 015	845	845
BBC	- Bumper to back of cab	2 080	2 080	2 080	2 090	2 090
CA	- Cab to axle	3 600	5 295	2 790	3 145	3 145
MGC	- Minimum ground clearance	260	260	245	260	260
FT	- Wheel track front	2 035	2 035	2 035	2 050	2 050
RT	- Wheel track rear	1 890	1 890	1 875	1 875	1 875
WARW	- Width across rear wheels	2 550	2 550	2 535	2 535	2 535
FH	- Frame height (rear axle)	1 085	1 085	1 015	1 075	1 075
FW	- Frame outside width	850	850	850	840	840
	Fifth wheel height	N/A	N/A	1 260	1 300	1 300
	Rear axle spacing	1 310	1 310	N/A	1 330	1 330

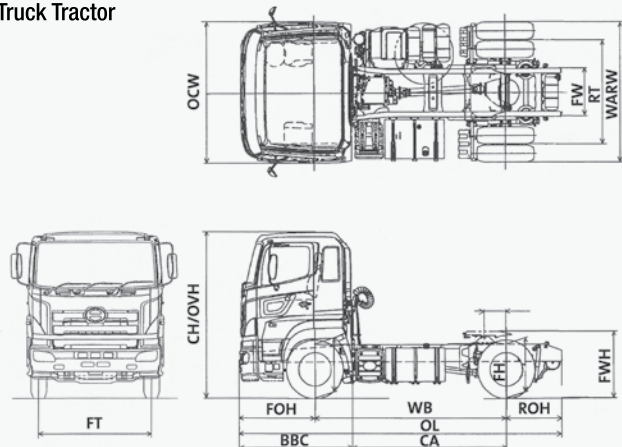
**2841
Tipper**



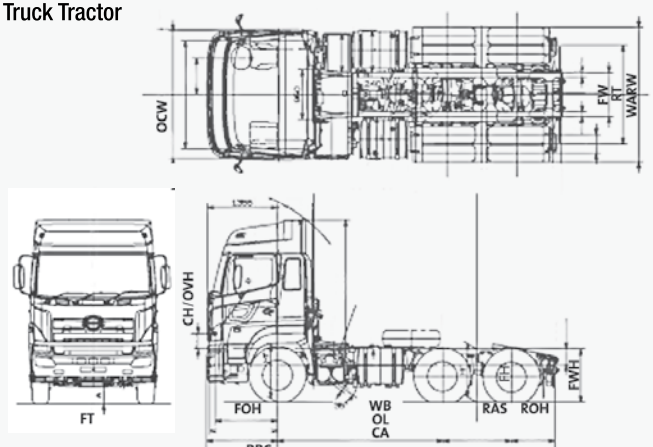
**2841
Chassis Cab**



**1941
Truck Tractor**



**2845 & 2848
Truck Tractor**





HINO

A Toyota Group Company

Discover the road ahead with Hino Trucks

Every Hino truck that rolls off the assembly line is backed by a history of quality, durability and reliability. We work hard to keep you on the road, no matter where the road ahead will take you. We're behind you, every step of the way, backing you with one of the largest dealer support networks in South Africa. We are constantly innovating and creating new technology to do the job better. Welcome to Hino. Trust us to get the job done right, first time, every time.



Date: 04/09. Part no. HINO700B

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