



Specifications

Hino Motors, Ltd.
TOKYO, JAPAN

SPECIFICATIONS

Spec. No. SS-XZ357A
Drawing No. CDRXZ348/349/350



HINO 300 Series

4x2, Truck Chassis

- RHD
- 110 kW (Euro-4)
- 7.5 ton GVMR
- Wide Cab

RATINGS & AXLE LOAD LIMIT (kg)

	GVM	GCM	Front Axle	Rear Axle
Ratings	7,490	11,000	3,100	5,500
Axle Load Limit	215/75R17.5 126/124		3,100	5,500

CHASSIS DIMENSIONS (mm) : All dimensions are to standard specifications and unladen chassis

Model		HINO 3815		
Production Code		XZU415R-HKFRDW3	XZU425R-HKFRDW3	XZU435R-HKFRDW3
Application		General Use		
Wheelbase		3,430	3,870	4,200
Overall Length		6,120	6,675	7,185
Overall Width	OW	1,995		
Overall Height	OH	2,215		
Cab to Axle Center		2,840	3,280	3,610
Rear Overhang		1,645	1,760	1,940
Front Chassis Height	HF	705		
Rear Chassis Height	HR	800	795	
Road Clearance		200		
Front Tread	FT	1,655		
Rear Tread	RT	1,520		
Turning Radius on Tire		5,700	6,300	6,800
Turning Radius Wall to Wall		6,380	6,990	7,480

CHASSIS MASS (kg) : Chassis mass quoted is to standard specifications without spare tire & std. tool set

Chassis Mass	(Total)	2,410	2,425	2,425
	(Front)	1,580	1,590	1,590
	(Rear)	830	835	835

PERFORMANCE & GEAR RATIOS : Calculations based on 7.49 ton GVMR

Max. Speed (km/h)	115	
Gradeability tan (%)	44.1	
Transmission Gear Ratio	Model	MY6S
	1st	5.979
	2nd	3.434
	3rd	1.862
	4th	1.297
	5th	1.000
	6th	0.759
Rear Axle Gear Ratio	Rev.	5.701
	Model	SH12
	Gear Ratio	5.125

EQUIPMENTS

SS-XZ357A

ENGINE		PARKING BRAKE	
1.Model	N04C TW	1.Type	Mechanical, internal expanding acting on transmission output shaft
2.Max. output;(ISO NET)	110 kW (150 PS) at 2,700 r/min	2.Drum diameter x Lining width	190 x 45 mm
3.Max. torque;(ISO NET)	397 N·m (40.5 Kgf·m) at 1,800 r/min	EXHAUST BRAKE	
4.Max. engine speed	3,200 r/min	1.Type	Electric-vacuum actuator with valve in exhaust pipe
5.Type	Diesel, 4-cy., vertical, 4-cyl., in-line, overhead valve, water cooled	STEERING	
6.Combustion system	Direct injection type	1.Type	Telescopic and tilt steering column with locking device, recirculating ball with hydraulic booster integral type
7.Bore and stroke	104 x 118 mm	2.Gear ratio	20.9
8.Piston displacement	4.009 L	FRONT SUSPENSION	
9.Compression ratio	18.0	1.Type	Semi-elliptic tapered leaf springs with silencers, shock absorbers and stabilizer
10.Engine oil capacity	5.9 L	2.Dimensions of springs Span x Width	1,250 mm X 70 mm
11.Fuel injection system	Electronic control commonrail type	REAR SUSPENSION	
12.Air intake system	Turbo-intercooled, stack type air intake, air intake cooler	1.Type	Semi-elliptic main and auxiliary tapered leaf springs with silencers and shock
Air cleaner	Paper element	2.Dimensions of springs Main springs Span x Width	1,300 mm X 70 mm
13.Fan clutch	Equipped	Auxiliary springs Span x Width	900 mm X 70 mm
14.DPR (Diesl Pariculate active Reduction system)	Equipped	WHEELS AND TIRES	
15.Engine air intake heater	Equipped	1.Wheel type	6-stud disc wheel
CLUTCH		2.Tire & Rim size	215/75R17.5 126/124 (17.5x6.00-127mm)
1.Type	Dry single plate, diaphragm type with damper springs	3.Number of tires	Seven (7) numbers (including one spare tire)
2.Facing material	Semi-mold	4.Spare tire carrier	Equipped
3.Facing outside diameter	325 mm	FUEL TANK	
4.Facing lining area	483 x 2 cm ²	1.Capacity	100 L (EC type)
5.Control	Hydraulic with vacuum booster	2.Cap key	Equipped
TRANSMISSION		3.Pre-fuel filter & sedimenter	Equipped
1.Type	Six forward and one reverse speeds, overdrive, synchromesh 1st-6th	CHASSIS FRAME	
2.Control	Mechanical	1.Type	Ladder-shaped channel section side rails
PROPELLER SHAFT		2.Chassis width at rear	750 mm
1.Tube outside diameter x thickness	82.6 x 2.3 mm	3.Max. section (depth x flange x thickness)	192.8 x 65 x 5.9 mm
FRONT AXLE		4.Tensile strength	540 N/mm ² {55 kgf/mm ² }
1.Type	Reversed Elliot, "I" section beam	5.Towing hooks	Equipped at front and rear
REAR AXLE		6.Front bumper	Painted cab color steel type with FUP (Front Underrun Protector)
SERVICE BRAKE		7.Rear bumper	Equipped
1.Type	Hydraulic system with disc brake for front and rear		
2.Control	Vacuum servo hydraulic with hydraulic assist, dual circuits		
3.Wheel brake ass'y			
Front: Disc diameter	287 mm		
Pad effective area	84 cm ² x 2		
Rear: Disc diameter	287 mm		
Pad effective area	84 cm ² x 2		
4.ABS (Antilock Brake System)	Equipped		

CAB			
1.Type	Forward control, all steel welded construction with torsion bar tilt mechanism, fully trimmed	Beam indicator lamp	
2.Windshield glass	Laminated glass	Engine control failure warning lamp	
3.Seating capacity	Three	Fuel level warning lamp	
4.Driver seat	2-way adjustable, urethane foam pads, high-back seat with seat back suspension and lumbar support	Fuel filter water accumulating level warning lamp	
5.Assistant seat	Fixed, urethane foam pads, high-back seat	Brake oil level warning lamp	
6.Seat cover	Fabric cover	Buck-up warning buzzer	
7.Seat belt		Cab tilt warning lamp	
Driver's seat	3-point type with ELR and pre-tension	Seat belt warning lamp & buzzer	
Assistant's seat	3-point type with ELR and pre-tension	ABS system failure warning lamp	
Center passenger's seat	2-point type with ELR	SRS air bag system failure warning lamp	
8.Sun visor	Two, for driver and assistant's side	Engine heating indicator lamp	
9.Windshield wipers	Electric, dual wipers, intermittent and 2-speed	3.Switches	
10.Ventilator	Forced type by electric blower	Lighting switch	
11.Outside rear view mirrors	Two, Movable flat type (EC type long stay)	Directional indicator, dimmer and passing switch	
12.Inside rear view mirror	One, flat type (EC type)	Rear fog lamp switch	
13.Cigarette lighter	Equipped	Room lamp switch	
14.Car audio	Not equipped (Antena + 2 Speakers only)	Hazard lamp switch	
15.Car heater and defroster	Equipped	Wiper and washer switch	
16.Air conditioner	Equipped	Exhaust brake switch	
17.Auto door lock	Equipped for assistant	Warm up switch	
18.Power window	Equipped	Headlamp leveling switch	
19.SRS air bag	Equipped for driver and assistant	DPR switch	
20.Seat back console	Equipped (center)	4.Others	
21.Overhead console	Two for driver and assistant	One-key starting-stopping	
22.Radiator grill	Painted same color as cab	Horn button	
22.Others		Engine revolution control for body equipment (With electric idle volume)	
Ash tray	1-pc (without lamp)	Harness for tachograph	
Door pocket (Both side)	Equipped		
Assist. grip	Equipped		
Coat hook	Equipped		
Card holder	Equipped		
Pen holder	Equipped		
Cup holder	Equipped		
INSTRUMENTS		ELECTRICAL EQUIPMENT	
1.Meter and gauges		1.Type	24 volt, negative earth
Mile/km-kilometer system		2.Batteries	
Speedometer with odometer and 2 trip meters		Number per vehicle	12 V x 2, series-connection
Fuel gauge		Capacity	288 kC {80 A·h} at 20-hour rate
Coolant temperature gauge		Battery cover	Equipped
Engine tachometer		3.Alternator	
2.Warning, pilot lamps and buzzers		Type	With built-in rectifier and voltage regulator
Turn signal & hazard indicator lamp		Capacity	24 V - 60 A
Exhaust brake indicator lamp		4.Starter	
Engine oil pressure warning lamp		Type	Pinion shift
Battery charge warning lamp		Capacity	24 V, 4.5 kW
		5.Headlamps (EC type)	Semi-sealed beam, halogen, 2-head lamps
		High/Low beam	75/70 W x 2
		6.Fog lamps	70 W x 2
		7.Rear fog lamp	21W x 1
		8.Clearance lamps (EC type)	5 W x 2
		9.License plate lamps	10 W x 2
		10.Stop/Tail lamps	21/5 W x 2
		11.Back-up lamps	21 W x 2
		12.Direction indicator and hazard lamps	
		Front & Side	21 W x 2, 21 W x 2
		Rear	21 W x 2
		13.Room lamp with personal lamps	8 W x 1 + 8 W x 2
		14.Horn	Electric horn
		15.Diagnoses Connector	Equipped
		16.DC/DC converter	12V

OPTIONAL EQUIPMENT			
1.Engine revolution control for body equipment	Equipped (Electric idle volume and lever)	3.P.T.O control	Equipped
2.Transmission P.T.O	20 kg·m	4.Car audio	AM/FM radio with CD player (2 Speakers)

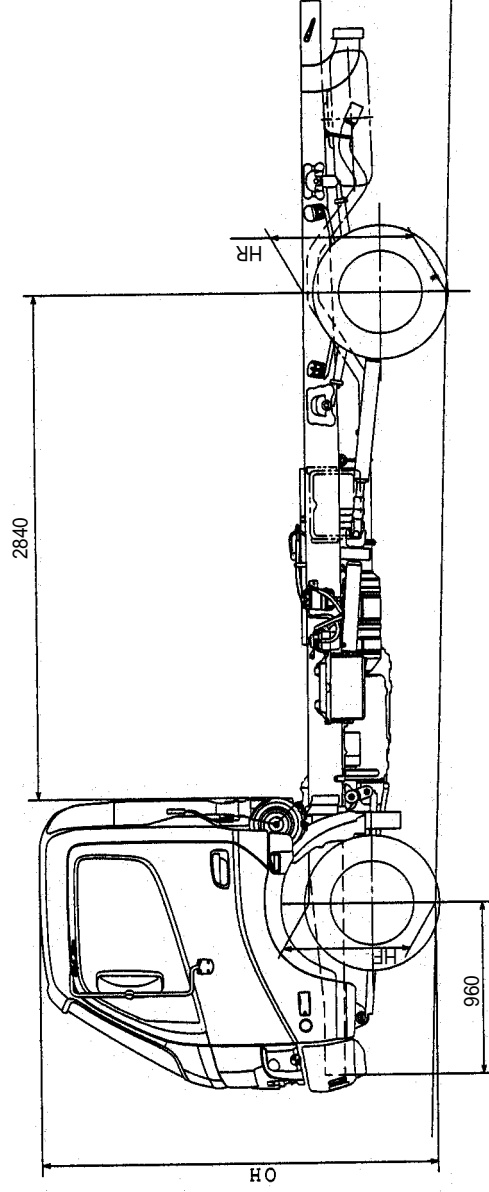
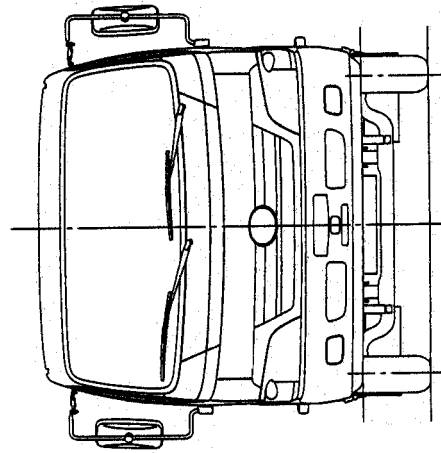
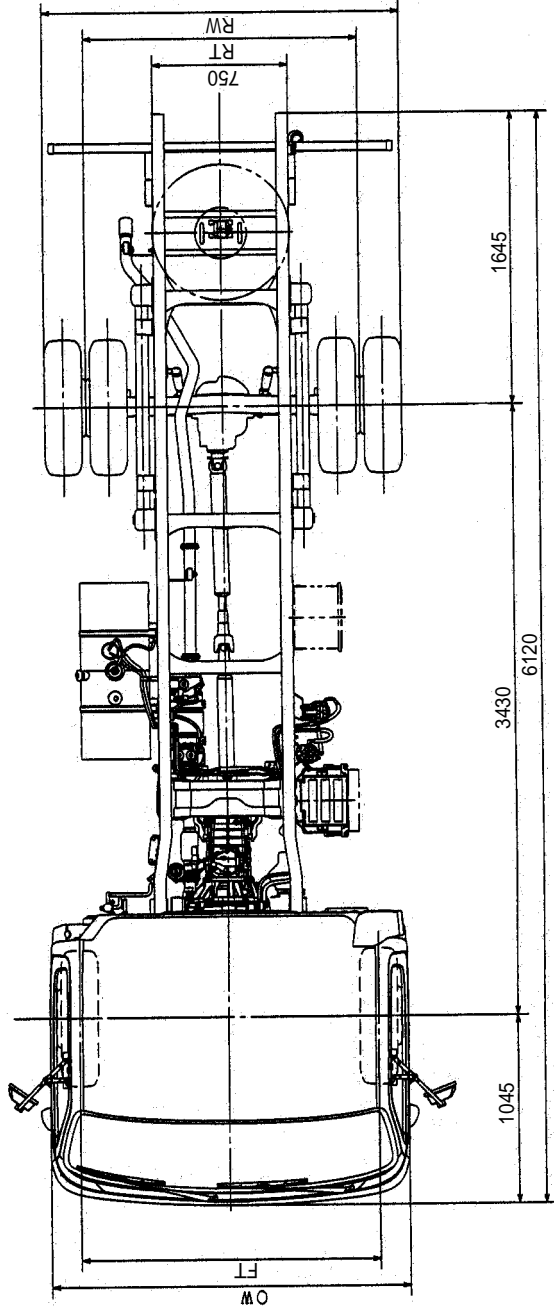
Note: All specifications of the products are with normal manufacturing allowances and tolerances.

Hino Motors, Ltd. reserve the right to alter specifications at any time without previous notice.

Figures of axle capacity can be changed by the operating conditions and specifications of equipments concerned.

When selecting optional equipment, consult Hino technical staff as the adaptation of some of the optional equipment on production line may require an extra lead time.

MODEL	TIRE	DICK SIZE	DIMENSION(mm)							
			OH	HF	HR	FT	RT	OW	RW	
XZU415R-HKMMBW3	195/75R16C	16 X 5.5K-113	2165	655	725	1665	1480	1995	1900	
XZU415R-HKFQDW3	215/75R17.5	17.5 X 6.00-127	2200	690	775	1655	1520		1985	
XZU415R-HKFRDW3			2215	705	800					



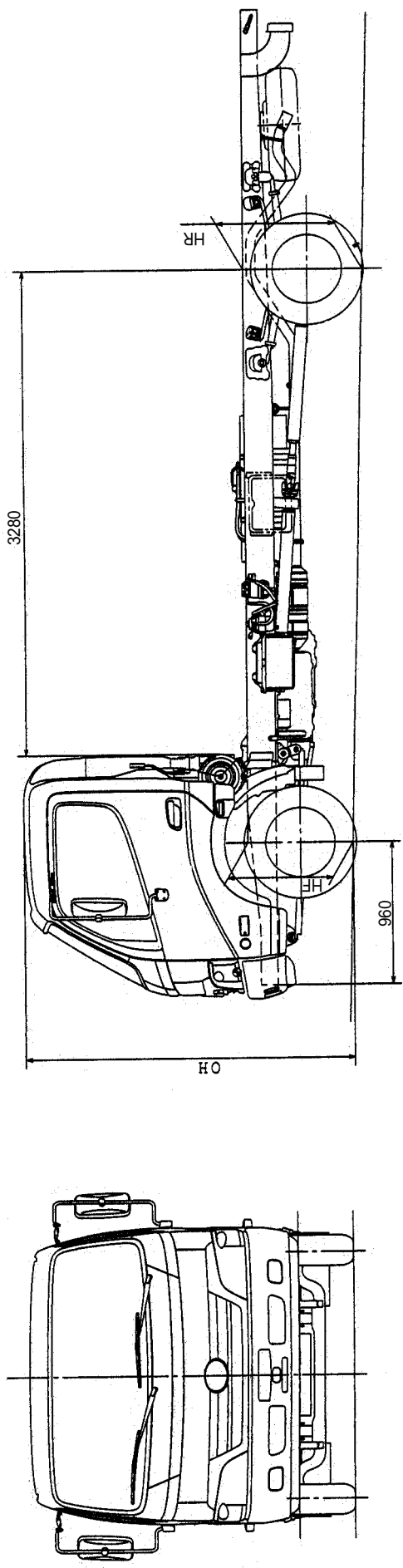
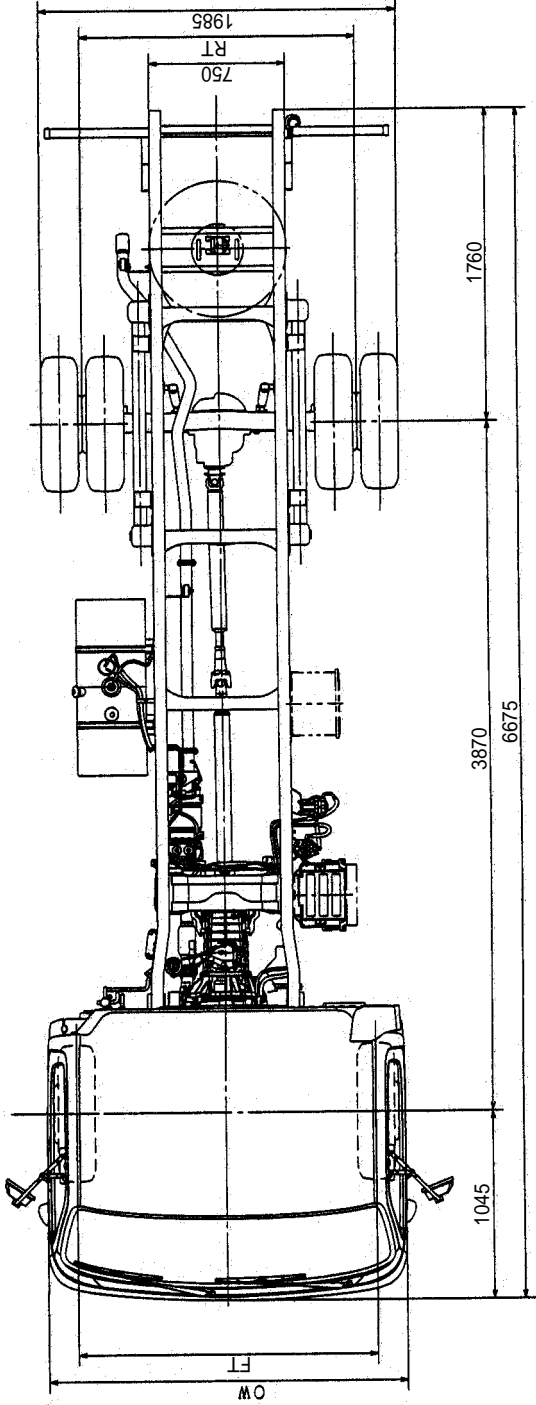
MODEL

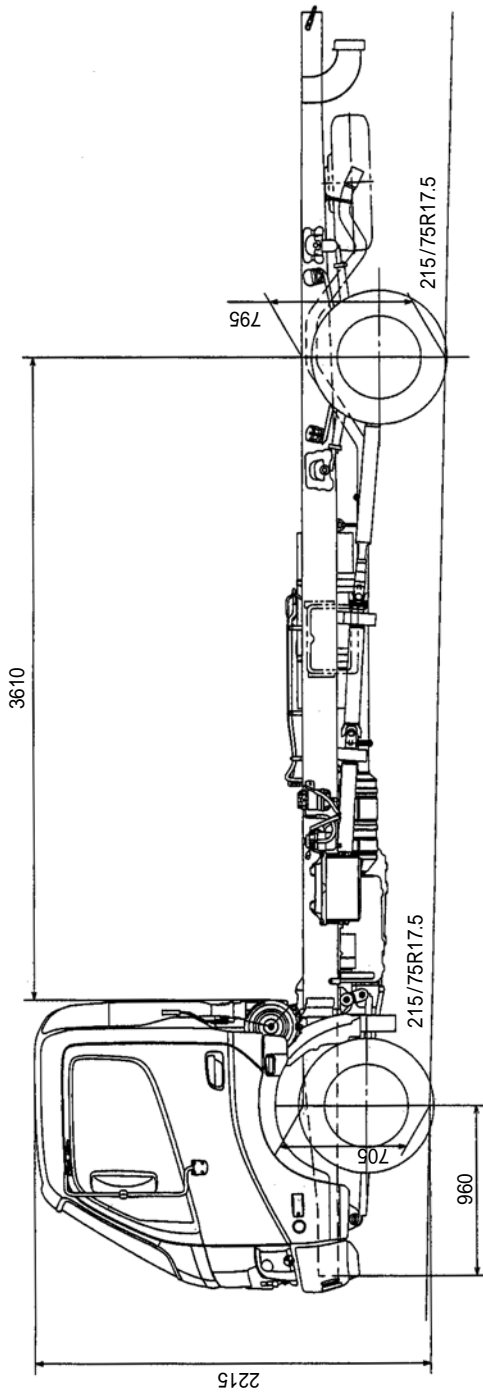
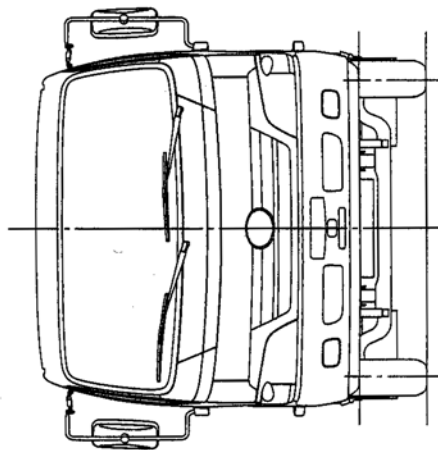
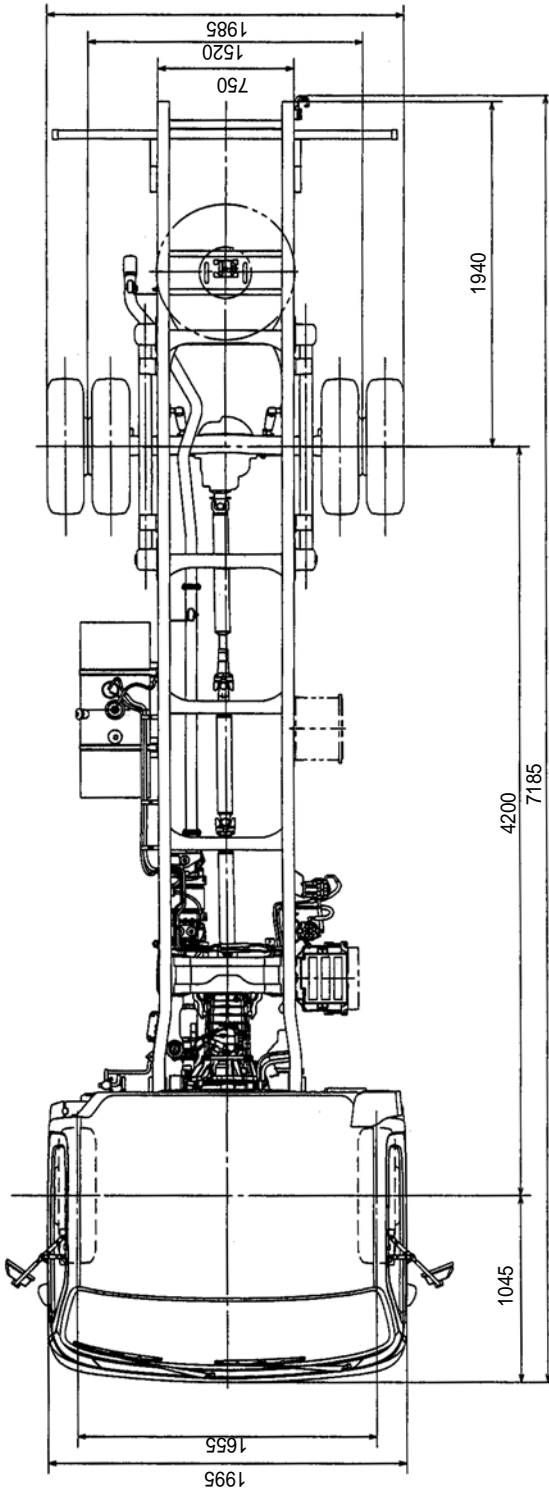
HINO XZU415R-HKMMBW3 / HKFQDW3 / HKFRDW3 CHASSIS

DRAWING No.

CDRXZ348

MODEL	TIRE SIZE	DISK SIZE	DIMENSION(mm)					
			OH	HF	HR	FT	RT	OW
XZU425R-HKFQDW3	215/75R17.5	17.5 X 6.00-127	2200	690	775	1655	1520	1995
XZU425R-HKFRDW3			2215	705	795			





MODEL : XZU435R-HKFRDW3

DRAWING No. : CDRXZ350

REMARKS

- 1) The vehicle mass may be varied with optional equipments & items.
- 2) All Specifications of the products are with normal manufacturing allowance and tolerances.
- 3) Hino Motors,Ltd. reserves the right to alter this specification without notice.
- 4) For every 1,000 meters of altitude the engine performance and grade ability shall be decreased by approx. 10%.

Hino Motors,Ltd.

OVERSEAS BUSINESS PLANNING DIVISION