



Specifications

Hino Motors, Ltd.
TOKYO, JAPAN

Specifications

TRACTOR CHASSIS

MODEL	HINO SS1EKVA (6 X 4, Left-hand drive)
SPEC NO.	SA-SS405A
DRWG NO.	CDRSS399A

DIMENSIONS

Overall length (mm)	APPROX.	7,030
Overall width (mm)	APPROX.	2,490
Overall height (mm)	APPROX.	3,325
Wheelbase (mm)		3,300 + 1,310

MASS

Chassis mass, total (kg)	APPROX.	8,990 *
Chassis mass, front (kg)	APPROX.	4,810
Chassis mass, rear (kg)	APPROX.	4,180

*: Including spare tire

PERFORMANCE (at G. C. M. Rating)

Max. speed (km/h)	93
Gradeability $\tan \theta$ (%)	46.9

CAPACITY

Unit:kg

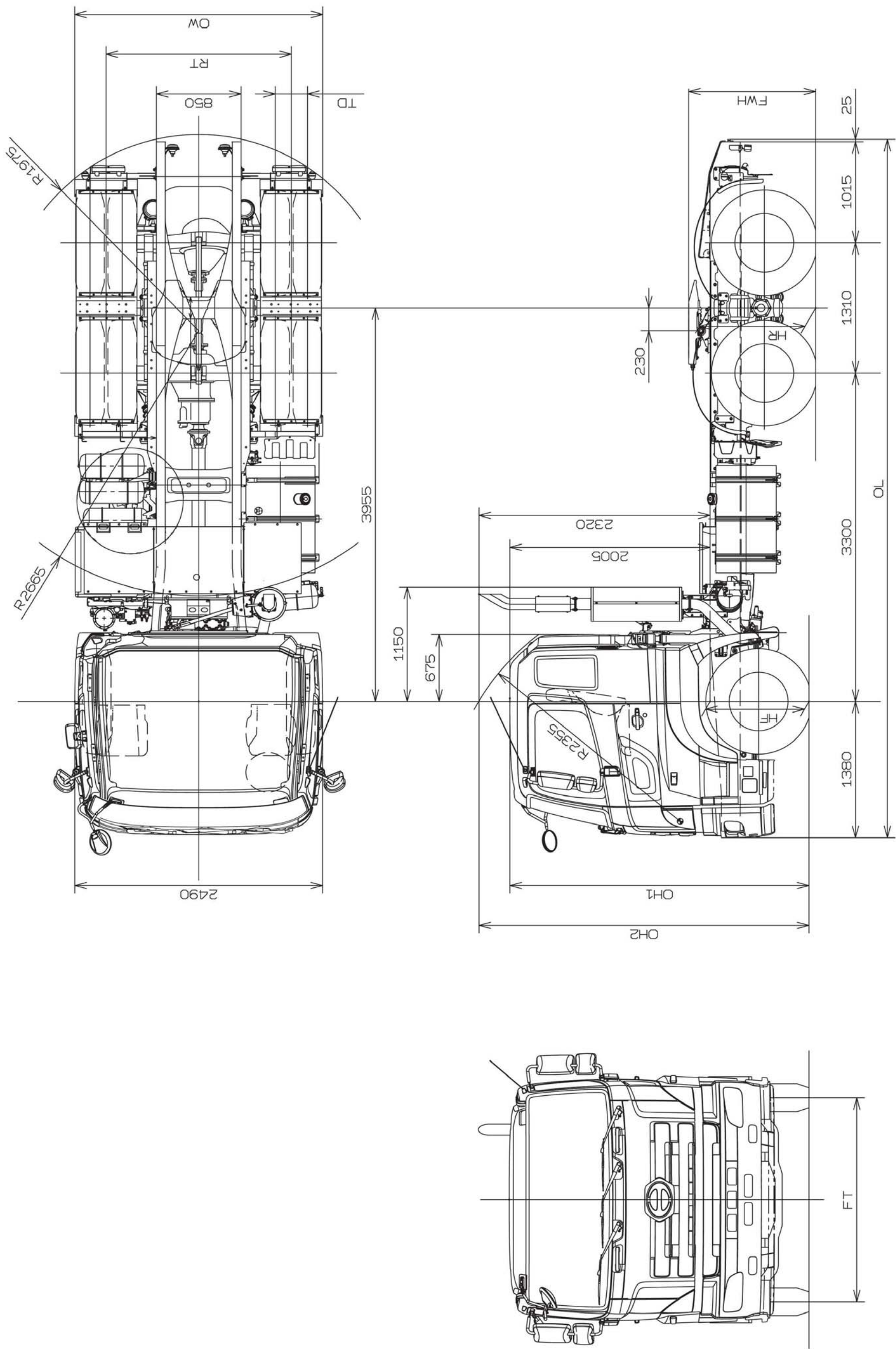
	FRONT	REAR
Permissible axle capacity	7,500	21,800
Tire capacity	7,100	25,200
G.V.M./G. C. M. rating	28,300/60,000	
5th wheel capacity	18,700	

Specifications

SA-SS405A

ENGINE	HINO E13C-TR (Euro-3) Diesel, turbo charged intercooled, 4-cy., vertical, 6-cyl. in-line, overhead camshaft, water-cooled, direct injection type.	
Max. output	JIS GROSS ;	338 kW {460 PS} at 1,800 r/min
	ISO NET ;	331 kW {450 PS} at 1,800 r/min
Max. torque	JIS GROSS ;	1,952 N·m {199 kgf·m} at 1,100 r/min
	ISO NET ;	1,912 N·m {195 kgf·m} at 1,100 r/min
Max. engine speed	2,150 r/min	
CLUTCH	Dry, twin plate, with damper springs, hydraulic control	
TRANSMISSION	ZF 16S2530 TO, 16-speed, overdrive, synchromesh 1st-16th Gear ratio 1st 13.804 : 1 – 16th 0.835 : 1	
REAR AXLE	Tandem axle, dual drive with inter axle differential, Full-floating, single reduction, single-speed by hypoid gearings Gear ratio 5.285 : 1	
FRONT AXLE	Reversed Elliot, “I” section beam	
SERVICE BRAKE	Full air, dual circuit, “S” cam type, leading & trailing shoes for front & rear with auto brake shoes adjuster and ABS	
PARKING BRAKE	Spring brake acting on front & rear frontward wheels, for emergency & parking purpose	
STEERING	Recirculating ball with hydraulic booster	
SUSPENSIONS	Front	Semi-elliptic tapered leaf springs with shock absorbers
	Rear	Semi-elliptic tapered leaf springs with torque rods and shock absorbers
WHEELS AND TIRES	Wheels	10-stud disc wheels (ISO type)
	Tires	295/80R22.5-152/148 11-number (Including one spare tire)
FUEL TANK	400 L	
CHASSIS FRAME	Ladder-shaped, channel section side rails	
CAB	Forward control, all steel welded construction, full floating cab air-suspension with electrical oil-pump tilting mechanism	
AIR CLEANER	Dual paper element, stack type air intake	
ELECTRICAL EQUIPMENT	Batteries	12 V × 2, series-connection 120 A·h {432 kC} at 20-hour rate
	Alternator	24 V – 60 A
TRAILER EQUIPMENT	Trailer brake hand control	Equipped on steering column
	Brake connection	2-line, service & emergency, SAE glad-hand
	Electric connection	SAE 7 conductors
FIFTH WHEEL	Coupler	Single axle
	Kingpin size	2.0 in.
	Kingpin offset	230 mm

MODEL	TIRE	DISC	DIMENSION (mm)										
			OL	OH1	OH2	OW	HF	HR	FWH	FT	RT	TD	
SS1EKVA-PSW	295/80R22.5	22.5X8.25-165	7030	3010	3325	2490	1005	1070	1315(2.0IN)	1430(3.5IN)	2050	1855	330



MODEL

HINO SS1EKVA-PSW CHASSIS

DRAWING NO.

CDRSS399A

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 PRODUCT DIVISION