

# CHASSIS SPECIFICATIONS

Model **FM2PKLA - PM**  
(Right-hand drive) Truck Chassis  
GCW 58,500 Kgs.

## GEAR RATIOS & PERFORMANCE

Drive	6X4
Control	Forward
Max. speed (km/h)	97
Max. Gradeability (tanθ)% @ rated GCW	24.1%
Transmission gear ratios & speeds	M009
	1 <sup>st</sup> 10.178
	2 <sup>nd</sup> 6.986
	3 <sup>rd</sup> 5.063
	4 <sup>th</sup> 3.636
	5 <sup>th</sup> 2.633
	6 <sup>th</sup> 1.921
	7 <sup>th</sup> 1.392
	8 <sup>th</sup> 1.000
	9 <sup>th</sup> 0.724
	Rev. 9.874
Rear axle ratio THD17	5.857

## ENGINE

Model Hino P11C **(EURO II)**  
Type Diesel, Turbo Charged and Intercooled, 4-stroke, 6-cylinder, vertical, in-line, overhead camshaft, water cooled, direct Injection type

Max. output 350 PS @ 2,100 rpm  
Max. torque 134 kgf.m @ 1,500 rpm  
Displacement 10.520 L  
Cold start device Equipped

**CLUTCH** Dry single plate with damper springs, hydraulic control with air booster.

Clutch Dia. 430 mm.

**TRANSMISSION** Nine forward & one reverse Speeds, over drive, synchromesh 1<sup>st</sup> ~ 9<sup>th</sup>, Manual with power shift.

**REAR AXLE** Tandem axle, dual drive with inter axle differential, full floating single reduction, single speed by hypoid gearings.

Axle capacity 22,000 kg.

**FRONT AXLE** Reverse Elliot "I" section beam.

Axle capacity 6,500 kg.

**SERVICE BRAKE** Full air, S-cam, leading and trailing shoes. Dual circuit with ABS system.

**PARKING BRAKE** Air operated spring brake acting on rear wheels, for emergency and parking purpose.

**EXHAUST BRAKE** Electro-pneumatic

## STEERING

Telescopic and tilt steering column with Recirculating ball. Integral power steering.

## SUSPENSION

Front Semi-elliptic reinforced leaf springs with shock absorbers.

Rear Semi-elliptic main and auxiliary leaf springs. with torque rods

## WHEEL AND TIRE

Tire Size 11.00-20-16PR.  
Wheel Type 10-stud disc wheels (ISO type)  
Disc size 7.50T x 20 – offset 165mm  
No. of tires 11 (including one spare tire)

## FUEL TANK:

Capacity 400 litres.

**CHASSIS FRAME** Ladder-shaped "I" section.

## CAB

All steel welded construction with torsion bar tilt mechanism. Reinforced cab with additional Safety door impact beams in doors. Seat belts & Individual windshield washers. Metallic paint on cabin.

Seating capacity Three

## ELECTRICAL EQUIPMENT:

Batteries Two, series connection, each 12V, 120 AH at 20-hour rate.

Alternator 24V, 60A

## DIMENSIONS AND WEIGHTS (Chassis only) approx.

Wheelbase		mm	3,380+1,300
Weight	Total	kg	7,750
	Front	kg	3,660
	Rear	kg	4,090
Overall length		mm	6,635
Overall width		mm	2,480
Overall height		mm	2,820
Overhang	Front	mm	1,255
	Rear	mm	700
Turning radius (on tire)		mm	8,100
Road clearance (at diff. case)		mm	275
Max.Load on 5 <sup>th</sup> wheel at 500 offset.			20,000

## IMPORTANT

1-The vehicle mass may vary when optional equipment & items are fitted.

2-All specifications are with normal manufacturing allowances and tolerances.

3- Hinopak Motors Ltd. reserves the right to alter this specification without prior notice.