

# CHASSIS SPECIFICATIONS

## Model **FM8JKKT-RGP**

(Right-hand drive) Prime Mover Chassis  
GCW 49,500 Kgs

### GEAR RATIOS & PERFORMANCE

Drive	6X4	
Control	Forward	
Max. speed (km/h)	96	
Max. Gradeability (tanθ)%	19.7%	
Transmission gear ratios & speeds		EATON ES11109 Ratios
	1 <sup>st</sup>	12.637
	2 <sup>nd</sup>	8.806
	3 <sup>rd</sup>	6.550
	4 <sup>th</sup>	4.768
	5 <sup>th</sup>	3.548
	6 <sup>th</sup>	2.481
	7 <sup>th</sup>	1.845
	8 <sup>th</sup>	1.343
	9 <sup>th</sup>	1.000
	Rev.	13.210
Rear axle ratio THD17		5.857

### ENGINE

Model Hino J08E-UF (**EURO II**)  
Type Diesel, Turbo Charged and Intercooled, 4-stroke, 6-cylinder, Vertical, in-line, overhead camshaft, Water cooled, direct Injection type

Max. output 260 PS @ 2,500 rpm  
Max. torque 76.0 kgf.m @ 1,500 rpm  
Displacement 7.684 L

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

Clutch Dia. 380 mm

**TRANSMISSION** Nine forward & one reverse Speeds, direct drive, synchromesh 1<sup>st</sup> ~ 9<sup>th</sup>, with Mechanical Control

**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** Air-over-hydraulic, dual circuits with air dryer, with two leading shoes for front and rear acting on all wheels.

**PARKING BRAKE** Mechanical, internal expanding, acting on transmission output shaft.

**EXHAUST BRAKE** Electro-pneumatic

**STEERING** Telescopic and tilt steering column with locking device. Recirculating ball with hydraulic booster, Integral type.

### SUSPENSION

Front Semi-elliptic reinforced leaf springs with shock absorbers.

Rear Semi-elliptic reinforced leaf springs with Torque rods.

### WHEEL AND TIRE

Tire Size 11.00-20-16PR.  
Wheel Type 8-stud disc wheels (JIS type)  
Disc size 7.50x 20 – offset 165mm  
No. of tires 11 (including one spare tire)

### FUEL TANK:

Capacity 400 liters

**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	7,005
	Front	kg	3,120
	Rear	kg	3,985
Overall length		mm	6,615
Overall width		mm	2,485
Overall height		mm	2,720
Overhang	Front	mm	1,255
	Rear	mm	680
Road clearance (at differential case)		mm	275
Max Load on 5th wheel at 330mm offset		Kg	20,000

### IMPORTANT

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

All specifications are with normal manufacturing allowances and tolerances.

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