



RANGER-PRO 14 MEDIUM

• RATINGS (kg)

6x4 Truck Chassis

	GVM	GCM
Ratings	26,000	33,000

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

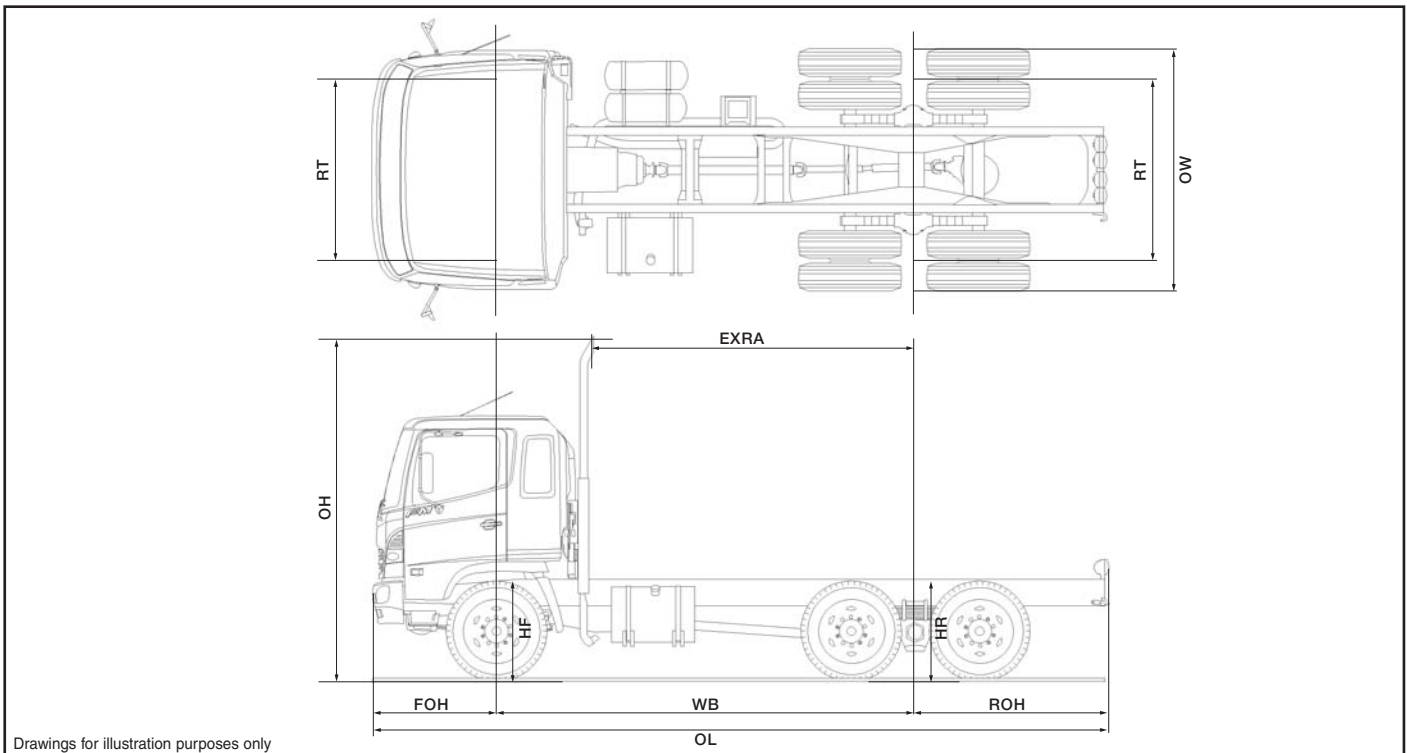
Model	Medium	
Model Ordering Code	FM1JLPM	
Wheelbase (centre rear axles) WB	4,240	
Overall Length OL	7,450	
Overall Width OW	2,465	
Overall Height OH	3,470	
Cab Height	2,660	
Exhaust to Rear Axle Centre EXTRA	3,305	
Front Overhang FOH	1,255	
Rear Overhang ROH	1,915	
Front Chassis Height HF	1,005	
Rear Chassis Height HR	1,050	
Front Track FT	1,915	
Rear Track RT	1,860	
Road clearance (at diff. Case)	195	
Turning Radius (kerb to kerb)	8,500	
Turning Radius (Swept)	9,225	

• **CHASSIS MASS (kg):** Chassis mass quoted is to standard specification with full tank of fuel but without spare tyre and tool kit

Chassis Mass (kg)	Total	6,940
	Front	3,135
	Rear	3,805

• **PERFORMANCE:** Calculations based on Engine speed 2,900 r/min at rated GVM and standard specifications

Max. speed km/h	94
Gradeability (theoretical, tanθ)%	60.0



Drawings for illustration purposes only

Important Notice Hino Trucks are distributed in Australia by Hino Motor Sales Australia Pty Ltd A.C.N. 064 989 724. Information contained in this brochure was correct at time of printing. Hino Motor Sales Australia Pty Ltd reserves the right to alter any details of the specifications and equipment without notice. Hino in so far as it is permitted by law to do so, shall not be liable in any way as a result of any reliance placed by any person on anything contained in this brochure. You should therefore check with your authorised Hino dealer at the time of ordering your motor vehicle to ensure that colour, specifications, equipment, design features and options are available for the vehicle you are ordering. Please note that some options may only be available in combination with others. Authorised Hino dealers will on request provide up to date information on all accessories, design features, prices and availability.

● ENGINE		HINO J08C-UK		● CHASSIS FRAME	
Max. output (JIS Gross)	191 kW at 2,500 rpm	Type	Parallel Chassis	Rear chassis width	870mm
Max. torque (JIS Gross)	745 Nm at 1,500 rpm	Size	298 x 90 x 7.0mm	Reinforcement	284 x 77 x 3.2mm
Max engine speed	2,900 rpm	Tensile strength	540N/mm ² {55kgf/mm ² }	Hook	Equipped for front & rear
Type	Diesel, turbo charged & inter-cooled, 6 cylinder in-line with 4 valves per cylinder and overhead camshaft. Electronic Governor and speed limiter.	Tool Box	Mounted on chassis	● CAB	
	Combustion by Timed Injection-rate Control System (TICS) and employing Hino's Micro Mixing System (HMMS)	Type	EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.	Seating capacity	Three
Bore and Stroke	114 x 130mm	Driver's seat	ISRI air suspension seat with automatic pressure setting according to driver's weight. Adjustable slide, height, recline, swab angle and head restraint. Urethane foam padding with fabric upholstery. Three point auto retracting lap sash belt with a height adjustable shoulder anchor.	Side passengers seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. Three point auto retracting lap sash belt
Displacement	7,961cc	Centre passenger's seat	Urethane foam padded seat and backrest which folds flat into a snack bench with a storage console. Fabric upholstery. Two point lap seat belt	Sun Visor	Fitted for driver and passenger side
Compression Ratio	18.0:1	Sun Visor	Fitted for driver and passenger side	Windshield wipers	2-speed and intermittent control
Cooling Fan	Indirect type fitted with viscous coupling	Windshield wipers	2-speed and intermittent control	Rear view mirrors	2 x West Coast type with spotter mirror on LHS
● CLUTCH		Hino CS-380		Over-head console	Fitted for driver and passenger side
Type	Dry single plate with damper springs	Audio	AM/FM radio cassette with CD player	Air Conditioner	Fitted as standard. Ventilation is forced type by electric blower through 13 outlets.
Control	Hydraulic with air booster	Power Windows	Equipped	Door Lock	Electric
Facing Material	Cerametalllic	Front air spoiler	Equipped	Headlamp Adjustment	Electro-rheostat headlamp levelling adjustment
Facing outside diameter	380mm	● INSTRUMENTS			
● TRANSMISSION		Eaton RT-8908LL		Meters and gauges	
Type	10 Forward & 3 Reverse speeds. Direct Drive with mechanical control. Constant mesh 1st-10th	Speedometer	Fuel gauge	Odometer with 2 trip meters	Coolant Temperature Gauge
Gear Ratio	1st 19.577 8th 1.829 2nd 12.668 9th 1.344 3rd 8.390 10th 1.000 4th 6.229 Rev 20.467 5th 4.578 Rev 13.243 6th 3.404 Rev 3.889 7th 2.464	Warning, pilot lamps and buzzers			
● FRONT AXLE		MF67I		Oil pressure warning lamp & buzzer	Charging warning lamp
Type	Reversed Elliot 'I' section beam	Air pressure warning lamp & buzzer	Beam indicator lamp	Engine over-run warning buzzer	Turn signal indicator lamp
Capacity	6,500kg	Brake fluid level warning lamp & buzzer	Parking brake indicator lamp	Brake adjustment warning lamp & buzzer	Seat belt warning lamp & buzzer
● REAR AXLE		THD17-3 & SH17-6		Exhaust brake indicator lamp	Reverse warning buzzer
Type	Tandem axle set, dual drive with inter axle differential lock, Full-floating, single reduction, single speed with hypoid gears	Injection pump electrical warning lamp	Hazard warning lamp	Coolant level warning lamp & buzzer	
Capacity	20,000kg	Switches			
Ratio	5.857:1	Lighting switch	Fog lamp switch	Wiper and washer switch	Exhaust brake switch
● PROPELLER SHAFT		HE1160		Directional indicator and dimmer switch	Hazard lamp switch
Universal joints	Round bearing type	Others			
● BRAKES		HE1160		One-key starting-stopping	Horn button
Type	Full air, dual circuit, "S" cam system with leading & trailing shoes for front and rear acting on all wheels	● INSTRUMENTS		Throttle control knob	Emergency stop control
Size - Front	406.4 x 152mm	● ELECTRICAL EQUIPMENT			
Size - Rear	406.4 x 216mm	Type	24 volt, negative earth	Batteries	12 V x 2, series connection
Effective Lining Area	7,884 cm ²	Batteries	12 V x 2, series connection	Capacity:	120 Ah at 20-hour rate
Air Dryer	Equipped	Capacity:	120 Ah at 20-hour rate	Alternator	24V, 50A with built in rectifier & voltage regulator
Air Compressor	Dual Cylinder water-cooled type	Alternator	24V, 50A with built in rectifier & voltage regulator	Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps
Park Brake	Spring Brake acting on 1st and 2nd axles	Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps	Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps.
Exhaust Brake	Electric-pneumatic operation with butterfly type valve	Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps.	12 volt electrical source	Equipped
● STEERING		HE1160		● OPTIONAL EQUIPMENT	
Type	Collapsible telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster, integral type	Engine Driven PTO			
Gear Ratio	20.2:1	ABS Braking System (available by irrevocable order only)			
● FRONT SUSPENSION		HE1160			
Type	Taper leaf springs with double acting shock absorbers	● ELECTRICAL EQUIPMENT			
Size	1,470 x 80mm	Type	24 volt, negative earth		
Leaves	19.5 mm x 4	Batteries	12 V x 2, series connection		
● REAR SUSPENSION		Capacity:	120 Ah at 20-hour rate		
Type	Semi-elliptic leaf springs with torque rods	Alternator	24V, 50A with built in rectifier & voltage regulator		
Size	1,300 x 90mm	Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps		
Leaves	18.0mm x 9 + 16.0mm x 2	Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps.		
● WHEEL & TYRE		12 volt electrical source	Equipped		
Wheel type	10-stud disc wheel (ISO type)	● OPTIONAL EQUIPMENT			
Rim size	8.25 x 22.5 - offset 165mm	Engine Driven PTO			
Tyre size	11R22.5	ABS Braking System (available by irrevocable order only)			
Number of tyres	11 (including one spare tyre)				
Spare tyre carrier	Not equipped				
Tool Kit	Includes wheel brace and hydraulic jack				
● FUEL TANK		HE1160			
Capacity	200 litres	● ELECTRICAL EQUIPMENT			
Fuel pre-filter & sedimenter	Equipped with water separator	Type	24 volt, negative earth		
		Batteries	12 V x 2, series connection		
		Capacity:	120 Ah at 20-hour rate		
		Alternator	24V, 50A with built in rectifier & voltage regulator		
		Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps		
		Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps.		
		12 volt electrical source	Equipped		
		● OPTIONAL EQUIPMENT			
		Engine Driven PTO			
		ABS Braking System (available by irrevocable order only)			