



RANGER-PRO 14 LONG AUTO

• RATINGS (kg)

6x4 Truck Chassis

	GVM	GCM
Ratings	26,000	

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

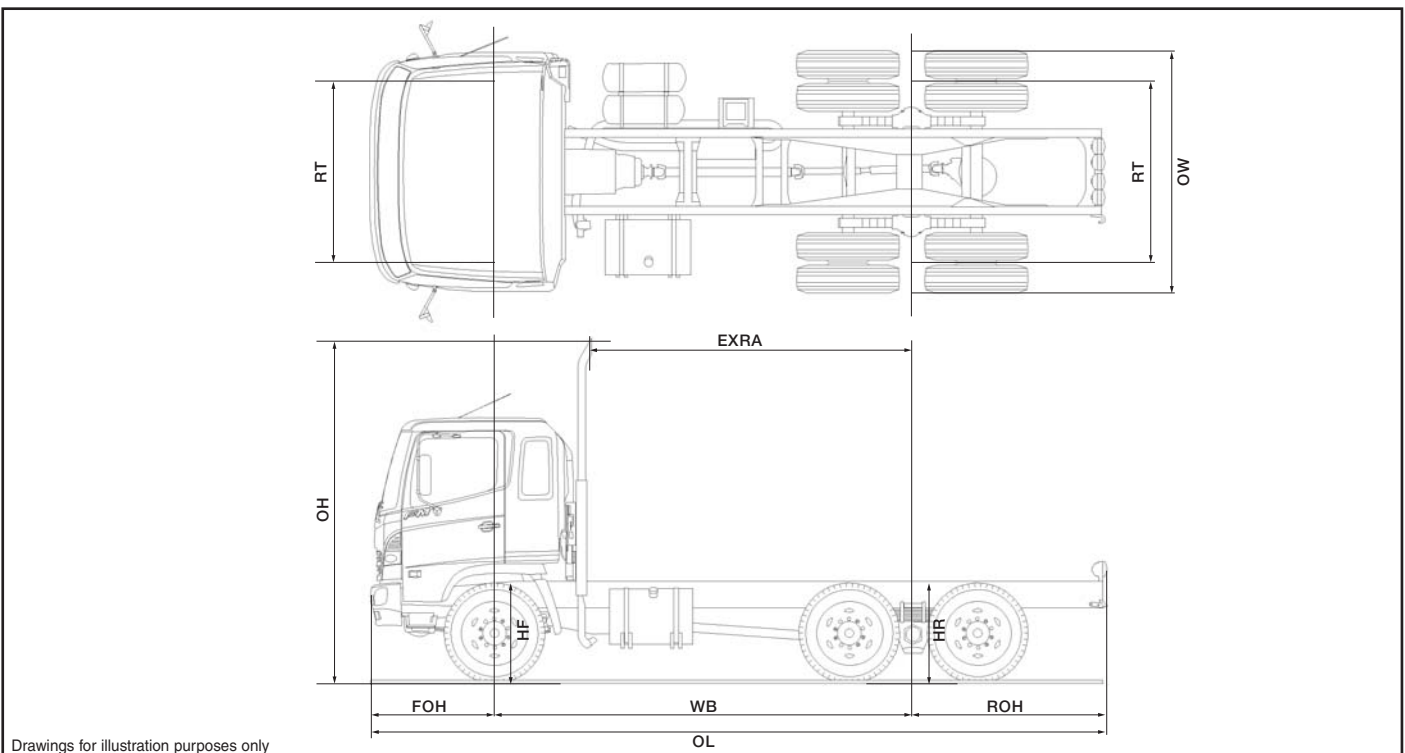
Model	LONG AUTO	
Model Ordering Code	FM1JRPA	
Wheelbase (centre rear axles)	WB	5,250
Overall Length	OL	9,095
Overall Width	OW	2,465
Overall Height	OH	3,470
Cab Height		2,660
Exhaust to Rear Axle Centre	EXRA	4,305
Front Overhang	FOH	1,255
Rear Overhang	ROH	2,445
Front Chassis Height	HF	1,005
Rear Chassis 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)		10,200
Turning Radius (Swept)		10,925

• **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	6,945
	Front	3,175
	Rear	3,770

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

Max. speed km/h	100
Gradeability (theoretical, tanθ)%	39.7



Drawings for illustration purposes only

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• ENGINE		HINO J08C-UK		• CAB	
Max. output (JIS Gross)	191 kW at 2,500 rpm	Type		EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.	
Max. torque (JIS Gross)	745 Nm at 1,500 rpm	Seating capacity		Two	
Max engine speed	2,900 rpm	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.	
Type	Diesel, turbo charged & inter-cooled, 6 cylinder in-line with 4 valves per cylinder and overhead camshaft. Electronic Governor and speed limiter.	Side passengers 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.	
Bore and Stroke	114 x 130mm	Centre Console		Equipped	
Displacement	7,961cc	Sun Visor		Fitted for driver and passenger side	
Compression Ratio	18.0:1	Windshield wipers		2-speed and intermittent control	
Cooling Fan	Indirect type fitted with viscous coupling	Rear view mirrors		2 x West Coast type with spotter mirror on LHS	
• TRANSMISSION		ALLISON MD3560P		Over-head console	Fitted for driver and passenger side
Type	5 Forward & 1 Reverse speeds. Over Drive Auto with electrical control.	Audio		AM/FM radio cassette with Tape player	
Gear Ratio	1st 4.593 4th 1.000 2nd 2.257 5th 0.749 3rd 1.535 REV 4.999	Air Conditioner		Fitted as standard. Ventilation is forced type by electric blower through 13 outlets.	
• FRONT AXLE		MF67I		Front air spoiler	Equipped
Type	Reversed Elliot 'I' section beam	Headlamp Adjustment		Electro-rheostat headlamp levelling adjustment	
Capacity	6,500kg	• INSTRUMENTS			
• REAR AXLE		THD17-3 & SH17-6		Meters and gauges	
Type	Tandem axle set, dual drive with inter axle differential lock, Full-floating, single reduction, single speed with hypoid gears	Speedometer		Fuel gauge	
Capacity	20,000kg	Odometer with 2 trip meters		Coolant Temperature Gauge	
Ratio	6.428:1	Tachometer		Air pressure gauge (Front & Rear)	
• PROPELLER SHAFT		HE1160		Warning, pilot lamps and buzzers	
Universal joints	Round bearing type	Oil pressure warning lamp & buzzer		Charging warning lamp	
Centre bearing	1 piece	Air pressure warning lamp & buzzer		Beam indicator lamp	
• BRAKES		Engine over-run warning buzzer		Turn signal indicator lamp	
Type	Full air, dual circuit, "S" cam system with leading & trailing shoes for front and rear acting on all wheels	Parking brake indicator lamp		Seat belt warning lamp & buzzer	
Size - Front	406.4 x 152mm	Exhaust brake indicator lamp		Reverse warning buzzer	
Size - Rear	406.4 x 216mm	Injection pump electrical warning lamp		Hazard warning lamp	
Effective Lining Area	7,884 cm ²	Coolant level warning lamp & buzzer			
Air Dryer	Equipped	Switches			
Air Compressor	Dual Cylinder water-cooled type	Lighting switch		Fog lamp switch	
Park Brake	Spring Brake acting on 1st and 2nd axles	Wiper and washer switch		Exhaust brake switch	
Exhaust Brake	Electric-pneumatic operation with butterfly type valve	Directional indicator and dimmer switch		Hazard lamp switch	
• STEERING		Others			
Type	Collapsible telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster, integral type	One-key starting-stopping		Horn button	
Gear Ratio	20.2:1	Throttle control knob		Emergency stop control	
• FRONT SUSPENSION		• ELECTRICAL EQUIPMENT			
Type	Taper leaf springs with double acting shock absorbers	Type		24 volt, negative earth	
Size	1,470 x 80mm	Batteries		12 V x 2, series connection	
Leaves	19.5 mm x 4	Capacity:		120 Ah at 20-hour rate	
• REAR SUSPENSION		Alternator		24V, 80A with built in rectifier & voltage regulator	
Type	Semi-elliptic leaf springs with torque rods	Headlamps		Semi-sealed beam, halogen type with integrated Fog lamps	
Size	1,300 x 90mm	Other lamps		Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps (2).	
Leaves	18.0mm x 9 + 16.0mm x 2	12 volt electrical source		Equipped	
• WHEEL & TYRE		• OPTIONAL EQUIPMENT			
Wheel type	10-stud disc wheel (ISO type)	Engine Driven PTO			
Rim size	8.25 x 22.5 - offset 165mm	ABS Braking System (available by irrevocable order only)			
Tyre size	275/80R22.5 149/146				
Number of tyres	11 (including one spare tyre)				
Spare tyre carrier	Equipped				
Tool Kit	Includes wheel brace and hydraulic jack				
• FUEL TANK					
Capacity	200 litres				
Fuel pre-filter & sedimenter	Equipped with water separator				
• CHASSIS FRAME					
Type	Parallel Chassis				
Rear chassis width	870mm				
Size	298 x 90 x 8.0mm				
Reinforcement	284 x 77 x 3.2mm				
Tensile strength	540N/mm ² {55kgf/mm ² }				
Hook	Equipped for front & rear				
Tool Box	Mounted on chassis				