

HINO

RANGER-PRO 9

• **RATINGS (kg)**

4x2 Truck Chassis

	GVM	GCM
Ratings	15,000	24,000

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

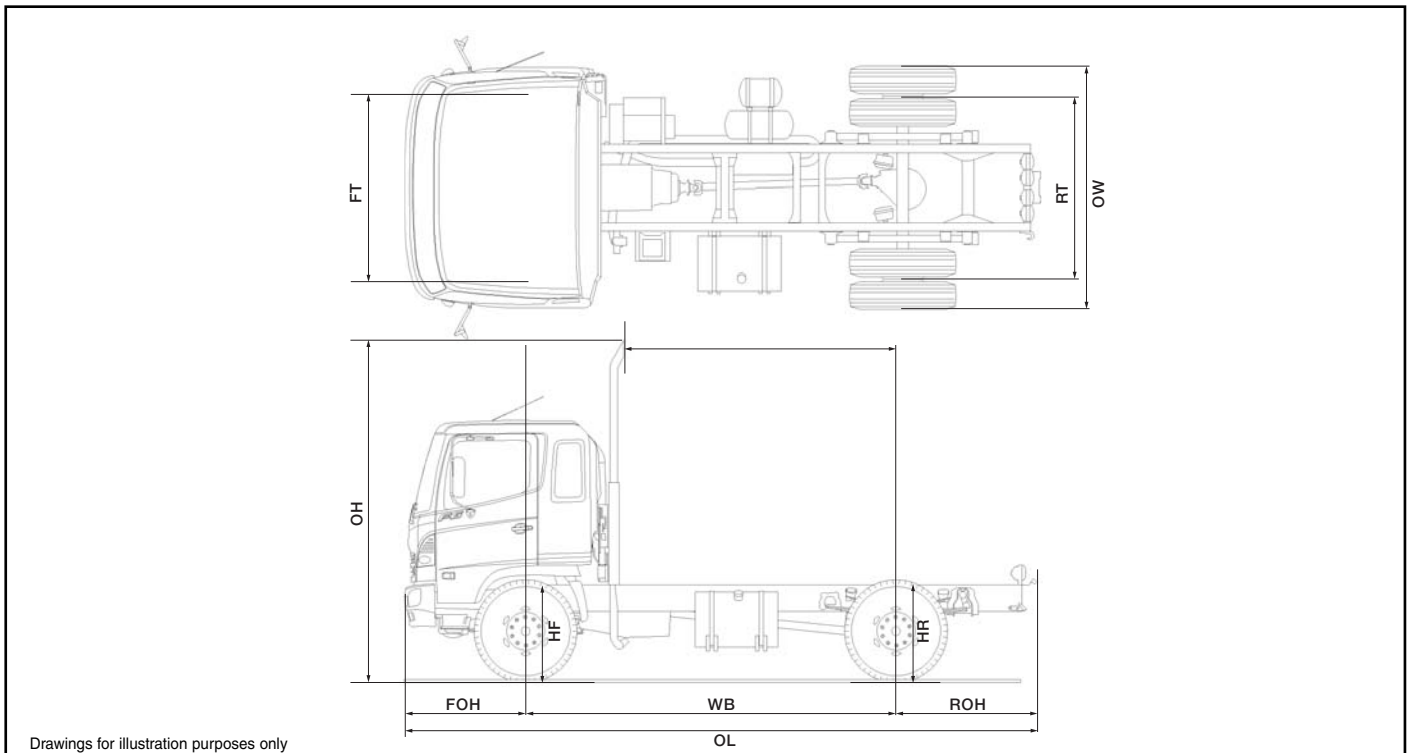
Model		Medium	Xlong	XXLong
Model Ordering Code		FG1JJPE	FG1JPPB	FG1JSPB
Wheelbase	WB	4,280	5,530	6,220
Overall Length	OL	7,570	9,460	10,550
Overall Width	OW		2,450	
Overall Height	OH		3,460	
Cab Height			2,650	
Exhaust to Rear Axle Centre	EXRA	3,325	4,575	5,265
Front Overhang	FOH		1,235	
Rear Overhang	ROH	1,910	2,550	2,950
Front Chassis Height	HF		965	
Rear Chassis Height	HR		1,025	
Front Track	FT		1,915	
Rear Track	RT		1,840	
Road clearance (at diff. Case)			235	
Turning Radius (kerb to kerb)		7,500	9,500	10,500
Turning Radius (Swept)		8,225	10,225	11,225

• **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	4,900	5,020	5,200
	Front	2,835	2,930	3,030
	Rear	2,065	2,090	2,170

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

Max. speed km/h	100 (Speed Limited)	
Gradeability (theoretical, tanθ)%	33.7	37.9



Drawings for illustration purposes only

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• ENGINE		HINO J08C-UK		• FUEL TANK	
Max. output (JIS Gross)	191 kW at 2,500 rpm	Capacity	200 litres	Fuel pre-filter and sedimenter	Equipped with water separator
Max. torque (JIS Gross)	745 Nm at 1,500 rpm	• CHASSIS FRAME			
Max engine speed	2,900 rpm	Type	Parallel Chassis	Rear chassis width	870mm
Type	Diesel, turbo charged & inter-cooled, 6 cylinder in-line with 4 valves per cylinder and overhead camshaft. Electronic Governor. Combustion by Timed Injection-rate Control System (TICS) and employing Hino's Micro Mixing System (HMMS)	Size	269 x 85 x 7.5mm (Medium) 270 x 85 x 8.0mm (XLong) 270 x 90 x 8.0mm (XXLong)	Inner flitch	254 x 74 x 3.2mm (XXLong only)
Bore and Stroke	114 x 130mm	Tensile strength	540N/mm ² {55kgf/mm ² }	Hook	Equipped for front & rear
Displacement	7,961cc	Tool Box	Mounted on chassis	• CAB	
Compression Ratio	18.0:1	Type	EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.	Seating capacity	Three
Cooling Fan	Indirect type fitted with viscous coupling	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
• CLUTCH		Hino CS-380		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
Type	Dry single plate with damper springs	Sun Visor			
Control	Hydraulic with air booster	Windshield wipers			
Facing Material	Cerametallic	Rear view mirrors			
Facing outside diameter	380mm	Over-head console			
• TRANSMISSION		MF06S		Audio	
Type	6 Forward & 1 Reverse speeds. Direct Drive with mechanical control and power shift. Synchronesh 2nd-6th	Air Conditioner			
		Medium	Xlong, XXlong	Power Windows	
Gear Ratio		1st 7.395	1st 8.189	Door Lock	
		2nd 4.758	2nd 5.086	Rest Bench	
		3rd 3.076	3rd 3.076	Front air spoiler	
		4th 1.936	4th 1.936	Headlamp Adjustment	
		5th 1.341	5th 1.341	• INSTRUMENTS	
		6th 1.000	6th 1.000	Meters and gauges	
		Rev. 7.142	Rev. 7.142	Speedometer	Fuel gauge
• FRONT AXLE		MF671		Odometer with 2 trip meters	Coolant Temperature Gauge
Type	Reversed Elliot 'I' section beam	Tachometer			
Capacity	6,500kg	Warning, pilot lamps and buzzers			
• REAR AXLE		SH16-1		Oil pressure warning lamp & buzzer	Charging warning lamp
Type	Full-floating, single reduction, single speed with hypoid gears	Air pressure warning lamp & buzzer			
Capacity	10,000kg	Engine over-run warning buzzer			
Ratio	4.875:1	Brake fluid level warning lamp & buzzer			
• PROPELLER SHAFT		MC1040		Brake adjustment warning lamp & buzzer	Beam indicator lamp
Universal joints	Round bearing type	Exhaust brake indicator lamp			
Centre Bearing	1-piece (Medium) 2-piece (XLong,XXLong)	Injection pump electrical warning lamp			
• BRAKES				Coolant level warning lamp & buzzer	Hazard warning lamp
Type	Full air, dual circuit, "S" cam system with leading & trailing shoes for front and rear acting on all wheels	Switches			
Size - Front	406.4 x 127mm	Lighting switch			
Size - Rear	406.4 x 203mm	Wiper and washer switch			
Effective Lining Area	4,480 cm ²	Directional indicator and dimmer switch			
Air Dryer	Equipped	Others			
Air Compressor	Dual Cylinder water-cooled type	One-key starting-stopping			
Park Brake	Spring Brake acting on rear wheels	Throttle control knob			
Exhaust Brake	Electric-pneumatic operation with butterfly type valve	• ELECTRICAL EQUIPMENT			
• STEERING				Type	24 volt, negative earth
Type	Collapsible telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster, integral type	Batteries			
Gear Ratio	20.2:1	12 V x 2, series connection			
• FRONT SUSPENSION				Capacity: 65 Ah at 20-hour rate	
Type	Taper leaf springs with double acting shock absorbers	24V, 50A with built in rectifier & voltage regulator			
Size	1,470 x 80mm	Headlamps			
Leaves	21mm x 3	Semi-sealed beam, halogen type with integrated Fog lamps			
• REAR SUSPENSION				Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps.
Type	Semi-elliptic main and auxiliary springs	12 volt electrical source			
Main - Size	1,400 x 90mm	Equipped			
- Leaves	12mm x 12	• OPTIONAL EQUIPMENT			
Auxiliary - Size	980 x 90mm	Engine Driven PTO			
- Leaves	11mm x 3 + 12mm x 5	ABS Braking System (available by irrevocable order only)			
• WHEEL & TYRE					
Wheel type	10-stud disc wheel (ISO type)				
Rim size	8.25 x 22.5 – offset 165mm				
Tyre size	11R22.5-148/145				
Number of tyres	7 (including one spare tyre)				
Spare tyre carrier	Equipped				
Tool Kit	Includes wheel brace and hydraulic jack				