



# RANGER-PRO 5 SE

**HINO**

• **RATINGS (kg)**

4x2 Truck Chassis

	GVM	GCM
Ratings	10,400	15,000

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

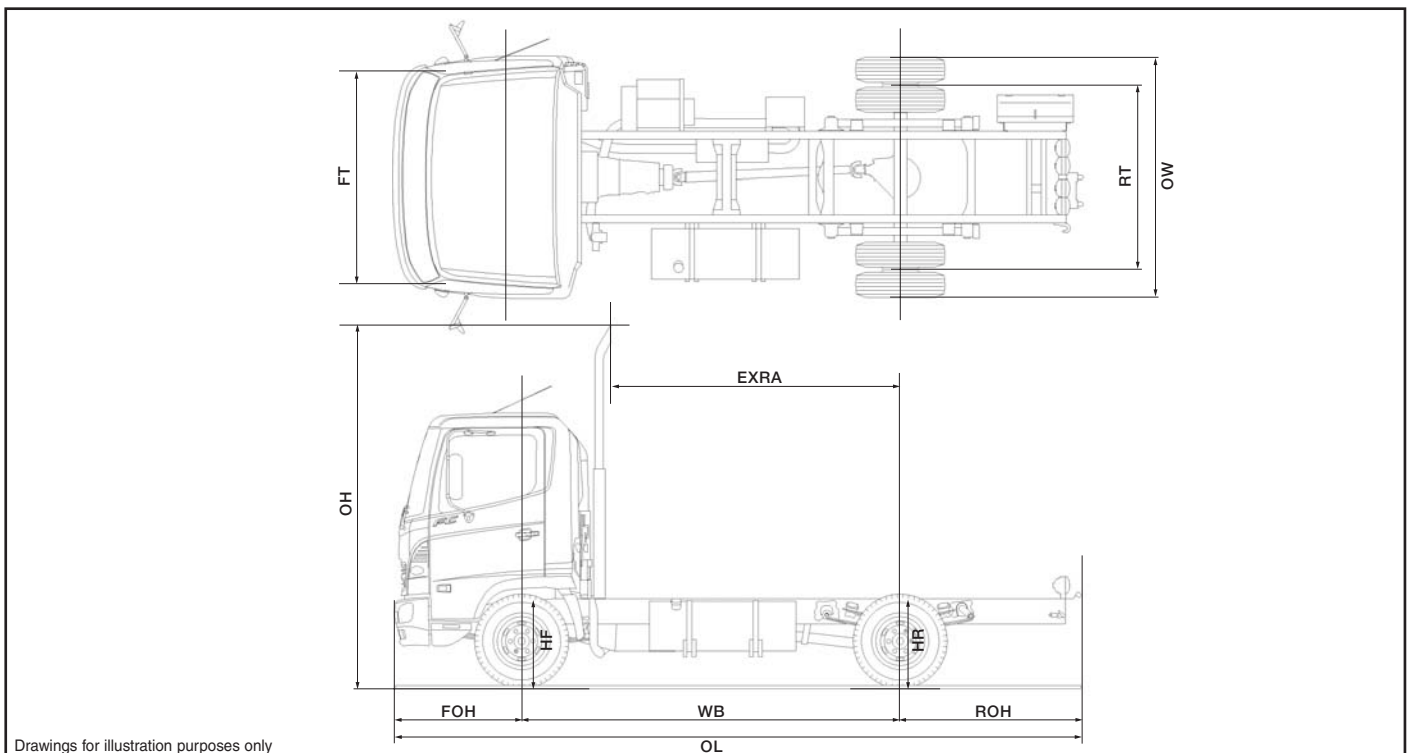
Model		Mixer SE	Short SE	Medium SE	Long SE
Model Ordering Code		FC4JEPM SE	FC4JGPA SE	FC4JPPA SE	FC4JLPA SE
Wheelbase	WB	3,420	3,850	4,350	4,990
Overall Length	OL	6,200	6,840	7,550	8,540
Overall Width	OW	2,175			
Overall Height	OH	3,255			
Cab Height		2,460			
Exhaust to Rear Axle Centre	EXRA	2,665	3,095	3,595	4,235
Front Overhang	FOH	1,145			
Rear Overhang	ROH	1,490	1,700	1,910	2,260
Front Chassis Height	HF	785			
Rear Chassis Height	HR	875			
Front Track	FT	1,770			
Rear Track	RT	1,660			
Road clearance (at diff. Case)		215			
Turning Radius (kerb to kerb)		5,500	6,100	6,800	7,700
Turning Radius (Swept)		6,200	6,800	7,500	8,400

• **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	3,120	3,130	3,155	3,275
	Front	2,000	2,020	2,050	2,100
	Rear	1,120	1,110	1,105	1,175

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

Max. theoretical speed km/h	106	112
Gradeability (theoretical, tanθ)%	40.0	37.7



Drawings for illustration purposes only

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<b>• ENGINE</b>		<b>• CHASSIS FRAME</b>	
Max. output (JIS Gross)	HINO J05C-TJ 125 kW at 2,500 rpm	Type	Parallel Chassis
Max. torque (JIS Gross)	500 Nm at 1,500 rpm	Rear chassis width	820mm
Max engine speed	2,900 rpm	Size	229.4 x 73 x 5.7mm (Mixer) 228.6 x 73 x 5.3mm (Short,Medium) 231.6 x 73 x 6.8mm (Long)
Type	Diesel, turbo charged & inter-cooled, 4 cylinder in-line with 4 valves per cylinder and overhead camshaft. Mechanical Governor. Combustion by Timed Injection-rate Control System (TICS) and employing Hino's Micro Mixing System (HMMS)	Tensile strength	540N/mm <sup>2</sup> {55kgf/mm <sup>2</sup> }
Bore and Stroke	114 x 130mm	Hook	Equipped for front & rear
Displacement	5,307cc	Tool Box	Mounted on chassis (except Mixer model)
Compression Ratio	18.0:1	<b>• CAB</b>	
Cooling Fan	Indirect type fitted with viscous coupling	Type	EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.
Live Drive PTO	Rear engine PTO fitted to Mixer model. Ratio 0.722:1	Seating capacity	Three
<b>• CLUTCH</b>		Driver's seat	ISRI air suspension seat with an 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.
<b>Hino CS-350</b>		Side passengers seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. Three point auto retracting lap sash belt
Type	Dry single plate with damper springs	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
Control	Hydraulic with air booster	Sun Visor	Fitted for driver and passenger side
Facing Material	Asbestos Free	Windshield wipers	2-speed and intermittent control
Facing outside diameter	350mm	Rear view mirrors	2 x West Coast type with spotter mirror on LHS
<b>• TRANSMISSION</b>		Over-head console	Fitted for driver and passenger side
<b>LX06S</b>		Audio	AM/FM radio cassette
Type	6 Forward & 1 Reverse speeds with mechanical control and power assisted shift. Synchronesh 2nd-6th	Air Conditioner	Fitted as standard. Ventilation is forced type by electric blower through 12 outlets.
Gear Ratio	1st 8.190 5th 1.343 2nd 5.072 6th 1.000 3rd 2.981 Rev. 7.619 4th 1.848	Headlamp Adjustment	Electro-rheostat headlamp levelling adjustment
<b>• FRONT AXLE</b>		<b>• INSTRUMENTS</b>	
<b>LF366</b>		<b>Meters and gauges</b>	
Type	Reversed Elliot 'I' section beam	Speedometer	Fuel gauge
Capacity	3,600kg	Odometer with 2 trip meters	Coolant Temperature Gauge
<b>• REAR AXLE</b>		Tachometer	Air pressure gauge (Front & Rear)
<b>SH13-2</b>		<b>Warning, pilot lamps and buzzers</b>	
Type	Full-floating, single reduction, single speed with hypoid gears	Oil pressure warning lamp & buzzer	Charging warning lamp
Capacity	7,000kg	Air pressure warning lamp & buzzer	Beam indicator lamp
Ratio	4.100:1 (Mixer) 3.900:1 (Short, medium, Long)	Engine over-run warning buzzer	Turn signal indicator lamp
<b>• PROPELLER SHAFT</b>		Brake fluid level warning lamp & buzzer	Parking brake indicator lamp
<b>LD0932</b>		Brake adjustment warning lamp & buzzer	Seat belt warning lamp and buzzer
Universal joints	Round bearing type	Exhaust brake indicator lamp	Reverse warning buzzer
Centre Bearing	1-piece	Injection pump electrical warning lamp	Hazard warning lamp
<b>• BRAKES</b>		Brake lock indicator lamp & buzzer (Mixer model only)	
Type	Air over hydraulic, dual circuit with two leading shoes for front and rear acting on all wheels.	<b>Switches</b>	
Size - Front	320 x 110mm	Lighting switch	Exhaust brake switch
Size - Rear	320 x 145mm	Wiper and washer switch	Hazard lamp switch
Effective Lining Area	3,216 cm <sup>2</sup>	Directional indicator and dimmer switch	Fog lamp switch
Brake Lock System	For Mixer model only	<b>Others</b>	
Air Dryer	Equipped	One-key starting-stopping	Horn button
Air Compressor	Single Cylinder water-cooled type	Throttle control knob	
Park Brake	Transmission mounted	<b>• ELECTRICAL EQUIPMENT</b>	
Exhaust Brake	Electric-pneumatic operation with butterfly type valve	Type	24 volt, negative earth
<b>• STEERING</b>		Batteries	12 V x 2, series connection
Type	Collapsible telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster, integral type	Capacity:	65 Ah at 20-hour rate
Gear Ratio	18.61:1	Alternator	24V, 50A with built in rectifier & voltage regulator
<b>• FRONT SUSPENSION</b>		Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps
Type	Taper leaf springs with double acting shock absorbers	Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal lamps.
Size	1,300 x 70mm	<b>• OPTIONAL EQUIPMENT</b>	
Leaves	18.5 mm x 1 + 19.8mm x 1 + 16.2mm x 1	Engine Driven PTO (Short, Medium, Long models)	
<b>• REAR SUSPENSION</b>			
Type	Semi-elliptic main and auxiliary springs		
Main - Size	1,300 x 70mm		
- Leaves	11mm x 8		
Auxiliary - Size	900 x 70mm		
- Leaves	10mm x 8 + 9mm x 1		
<b>• WHEEL &amp; TYRE</b>			
Wheel type	6-stud disc wheel (JIS type)		
Rim size	6.75 x 17.5 - offset 135mm		
Tyre size	9.5R17.5-129/127		
Number of tyres	7 (including one spare tyre)		
Spare tyre carrier	Equipped		
Spare tyre carrier	Equipped (except for Mixer model)		
Tool Kit	Includes wheel brace and hydraulic jack		
<b>• FUEL TANK</b>			
Capacity	200 litres		
Fuel pre-filter & sedimenter	Equipped with water separator		