



RANGER-PRO 6 SE

• RATINGS (kg)

4x2 Truck Chassis

	GVM	GCM
Ratings	10,400	16,000

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

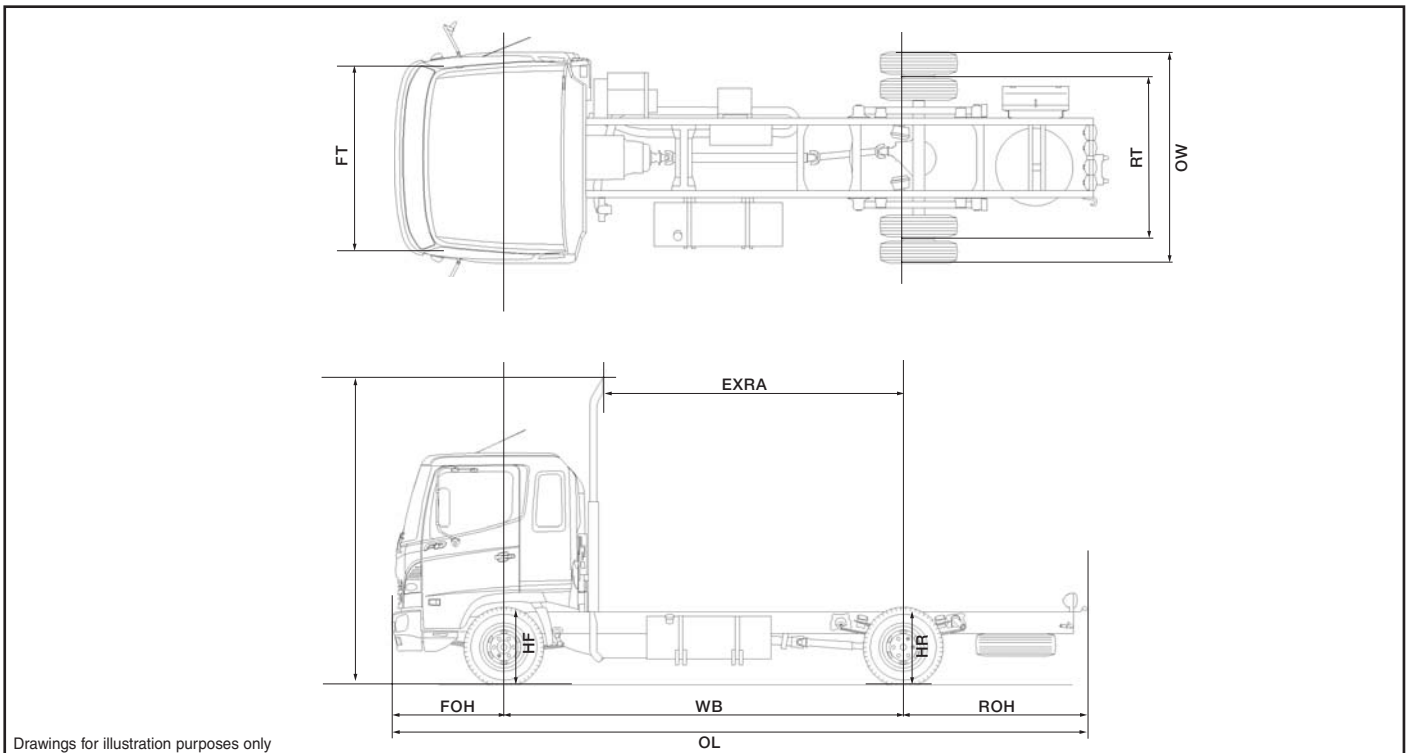
Model		Medium SE	Long SE	XLong SE
Model Ordering Code		FD1JPPA SE	FD1JLPA SE	FD1JPPA SE
Wheelbase	WB	4,250	4,850	5,500
Overall Length	OL	7,390	8,240	9,250
Overall Width	OW	2,175		
Overall Height	OH	3,260		
Cab Height		2,450		
Exhaust to Rear Axle Centre	EXRA	3,245	3,845	4,495
Front Overhang	FOH	1,185		
Rear Overhang	ROH	1,810	2,060	2,420
Front Chassis Height	HF	775		
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)		6,700	7,500	8,500
Turning Radius (Swept)		7,400	8,200	9,200

• **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	3,370	3,460	3,525
	Front	2,175	2,230	2,275
	Rear	1,195	1,230	1,250

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

Max. theoretical speed km/h	122	130
Gradeability (theoretical, tanθ)%	57.9	53.1



Drawings for illustration purposes only

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• ENGINE		• CHASSIS FRAME	
Max. output (JIS Gross)	HINO J08C-UJ 173 kW at 2,500 rpm	Type	Parallel Chassis
Max. torque (JIS Gross)	706 Nm at 1,500 rpm	Rear chassis width	820mm
Max engine speed	2,900 rpm	Size	228.6 x 73 x 5.3mm (Medium) 231.6 x 73 x 6.8mm (Long,Xlong)
Type	Diesel, turbo charged & inter-cooled, 6 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 ² {55kgf/mm ² }
Bore and Stroke	114 x 130mm	Hook	Equipped for front & rear
Displacement	7,961cc	Tool Box	Mounted on chassis
Compression Ratio	18.0:1	• CAB	
Cooling Fan	Indirect type fitted with viscous coupling	Type	EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.
• CLUTCH		Seating capacity	Three
Hino CS-350		Driver's seat	ISRI air suspension seat with automatic pressure setting according to drivers weight. Adjustable slide, height, recline, swab angle and head restraint. Urethane foam padding with fabric upholstery. Three point auto retracting lap sash belt.
Type	Dry single plate with damper springs	Side passengers seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. Three point auto retracting lap sash belt
Control	Hydraulic with air booster	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
Facing Material	Asbestos free	Sun Visor	Fitted for driver and passenger side
Facing outside diameter	350mm	Windshield wipers	2-speed and intermittent control
• TRANSMISSION		Rear view mirrors	2 x West Coast type with spotter mirror on LHS
LJ06S		Over-head console	Fitted for driver and passenger side
Type	6 Forward & 1 Reverse speeds. Over Drive with mechanical control and power assisted shift. Synchromesh 2nd-6th	Audio	AM/FM radio cassette
Gear Ratio	1st 6.893 5th 1.000 2nd 4.274 6th 0.770 3rd 2.607 Rev. 6.453 4th 1.564	Air Conditioner	Fitted as standard. Ventilation is forced type by electric blower through 12 outlets.
• FRONT AXLE		Headlamp Adjustment	Electro-rheostat headlamp levelling adjustment
LF366		• INSTRUMENTS	
Type	Reversed Elliot 'I' section beam	Meters and gauges	
Capacity	3,600kg	Speedometer	Fuel gauge
• REAR AXLE		Odometer with 2 trip meters	Coolant Temperature Gauge
SH13-2		Tachometer	Air pressure gauge (Front & Rear)
Type	Full-floating, single reduction, single speed with hypoid gears	Warning, pilot lamps and buzzers	
Capacity	7,000kg	Oil pressure warning lamp & buzzer	Charging warning lamp
Ratio	4.625:1 (Medium,Long) 4.333:1 (XLong)	Air pressure warning lamp & buzzer	Beam indicator lamp
• PROPELLER SHAFT		Engine over-run warning buzzer	Turn signal indicator lamp
LF0932		Brake fluid level warning lamp & buzzer	Parking brake indicator lamp
Universal joints	Round bearing type	Brake adjustment warning lamp & buzzer	Seat belt warning lamp and buzzer
Centre Bearing	1-piece (Medium,Long) 2-piece (XLong)	Exhaust brake indicator lamp	Reverse warning buzzer
• BRAKES		Injection pump electrical warning lamp	Hazard warning lamp
Type	Air over hydraulic, dual circuit with two leading shoes for front and rear acting on all wheels. Auto adjuster fitted	Coolant level warning lamp & buzzer	
Size - Front	320 x 110mm	Switches	
Size - Rear	320 x 145mm	Lighting switch	Exhaust brake switch
Effective Lining Area	3,216 cm ²	Wiper and washer switch	Hazard lamp switch
Air Dryer	Equipped	Directional indicator and dimmer switch	
Air Compressor	Single Cylinder water-cooled type	Others	
Park Brake	Spring Brake acting on rear wheels	One-key starting-stopping	Horn button
Exhaust Brake	Electric-pneumatic operation with butterfly type valve	Throttle control knob	
• STEERING		• ELECTRICAL EQUIPMENT	
Type	Collapsible telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster, integral type	Type	24 volt, negative earth
Gear Ratio	18.61:1	Batteries	12 V x 2, series connection
• FRONT SUSPENSION		Capacity:	65 Ah at 20-hour rate
Type	Taper leaf springs with double acting shock absorbers	Alternator	24V, 50A with built in rectifier & voltage regulator
Size	1,300 x 70mm	Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps
Leaves	18.5 mm x 1 + 19.8mm x 1 + 16.2mm x 1	Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal lamps.
• REAR SUSPENSION		• OPTIONAL EQUIPMENT	
Type	Semi-elliptic main and auxiliary springs	Engine Driven PTO	
Main - Size	1,300 x 70mm		
- Leaves	11mm x 8		
Auxiliary - Size	900 x 70mm		
- Leaves	10mm x 8 + 9mm x 1		
• WHEEL & TYRE			
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		
Tool Kit	Includes wheel brace and hydraulic jack		
• FUEL TANK			
Capacity	200 litres		
Fuel pre-filter & sedimenter	Equipped with water separator		