



# RANGER-PRO 5Z CREW

• RATINGS ( kg)

4 x 4 Truck Chassis

	GVM	GCM
Ratings	10,000	14,500

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

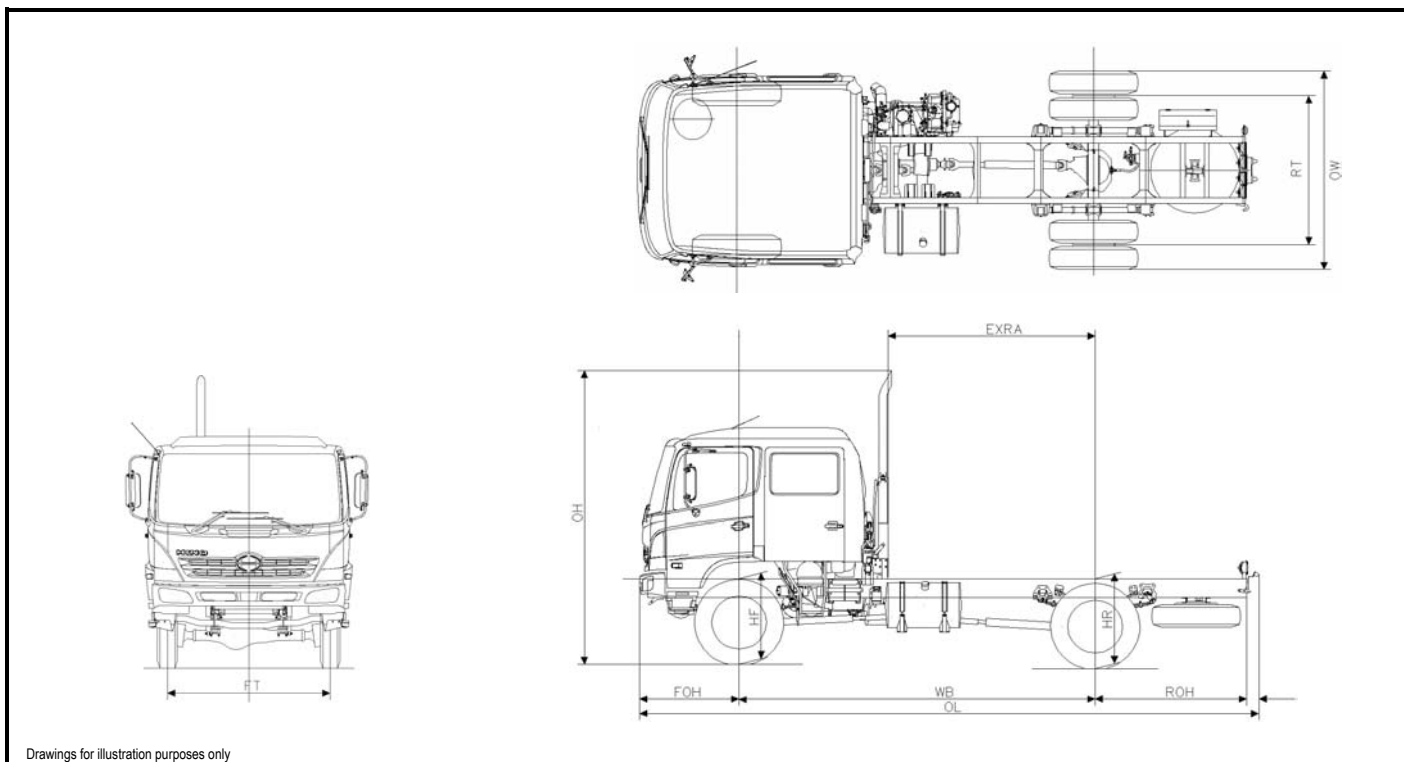
Model		CREW
Model Ordering Code		FT1JHPA CREW
Wheelbase	WB	4,230
Overall Length	OL	7,360
Overall Width	OW	2,355
Overall Height	OH	3,565
Cab Height		2,865
Exhaust to Rear Axle Centre	EXRA	2,460
Front Overhang	FOH	1,185
Rear Overhang	ROH	1,800
Front Chassis Height	HF	1,015
Rear Chassis Height	HR	1,090
Front Track	FT	1,855
Rear Track	RT	1,680
Road clearance (at diff. case)		275
Turning Radius (kerb to kerb)		9,000
Turning Radius (Swept)		9,725

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

Chassis Mass (kg)	Total	4,685
	Front	3,045
	Rear	1,640

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

Max. theoretical speed km/h	105
Gradeability (theoretical, tanθ) %	60.0



Drawings for illustration purposes only

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<b>● ENGINE</b>		<b>HINO J08C-UM</b>		<b>● FUEL TANK</b>	
Max. output (JIS Gross)	158 kW at 2,500 rpm	Capacity	200 L	Fuel pre-filter and sedimenter	Equipped, with Water Separator
Max. torque (JIS Gross)	608 Nm at 1,500 rpm	<b>● CHASSIS FRAME</b>			
Max. engine speed	2,900 rpm	Type	Parallel Chassis	Rear chassis width	820 mm
Type	Diesel, turbo charged & intercooled, 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)	Size	233.0 x 78 x 7.5 mm	Tensile strength	540N/mm <sup>2</sup> {55 kgf/mm <sup>2</sup> }
Bore and stroke	114 x 130 mm	Hook	Equipped for front & rear	Tool Box	Mounted on chassis
Displacement	7,961cc	<b>● CAB</b>			
Compression ratio	18.0:1	Type	EGIS safety cab. Forward Control, all steel construction with electric oil jack tilt mechanism		
Cooling Fan	Indirect type fitted with viscous coupling	Seating capacity	Seven		
<b>● CLUTCH</b>		<b>Hino CS-350</b>		Driver's seat	ISRI air suspension with an 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 with a height adjustable shoulder anchor
Type	Dry single plate with damper springs	Side passenger's seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. 3 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 tray,fabric upholstery.Two point lap seat belt		
Facing material	Cerametallic	Rear seat	Bench type seat with vinyl cover. Three point lap sash seat belt for outer passenger seats. Two point lap seat belt for two inner passengers seats		
Facing outside diameter	350 mm	Sun Visor	Fitted for driver and passenger side		
<b>● TRANSMISSION</b>		Windshield wipers	2-speed and intermittent control		
<b>LX06S      TRANSFER      MA12C</b>		Rear view Mirrors	2 x West Coast type with spotter mirror on LHS		
Type	6 Forward & 1 Reverse speeds. Direct Drive with mechanical control. Synchromesh 2nd-6th				
Transfer	High(1.000)      Low(2.224)		Over-head console		
Gear Ratio	1st	6.515	14.489	Audio	
	2nd	4.122	9.167	Air conditioner	
	3rd	2.500	5.560	Fitted as standard. Ventilation is forced type by electric blower through 12 outlets	
	4th	1.718	3.820	Headlamp Adjustment	
	5th	1.261	2.804	Electro-rheostat headlamp levelling adjustment	
	6th	1.000	2.224	<b>● INSTRUMENTS</b>	
	Rev.	6.060	13.477	<b>Meters and gauges</b>	
<b>● FRONT AXLE</b>		<b>SS12</b>		Speedometer	Fuel gauge
Type	Full-floating, single reduction, single speed, by spiral bevel gears with constant velocity universal joints				
Capacity	3,700kg				
<b>● REAR AXLE</b>		<b>SH13-2</b>		Odometer with 2 trip meters	Coolant temperature gauge
Type	Full-floating, single reduction, single speed, with hypoid gears and "No Spin" differential lock				
Capacity	7,000kg				
Ratio	5.142				
<b>● PROPELLER SHAFT</b>		<b>LD0932/LF0932</b>		Tachometer	Air pressure gauge (Front & Rear)
Universal joints	Round bearing type				
<b>● BRAKES</b>		<b>Warning, pilot lamps and buzzers</b>			
Type	Air over hydraulic, dual circuit system with two leading shoes for front and rear acting on all wheels				
Size - Front	400 x 120mm				
Size - Rear	400 x 130mm				
Effective Lining area	4,144cm <sup>2</sup>				
Air Dryer	Equipped				
Air Compressor	Single Cylinder water cooled type				
Park Brake	Spring Brake acting on rear wheels				
Exhaust Brake	Electric-pneumatic operation with butterfly type valve				
<b>● STEERING</b>		<b>Switches</b>			
Type	Collapsible Telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster integral type				
Gear Ratio	19.05				
<b>● FRONT SUSPENSION</b>		<b>Others</b>			
Type	Semi-elliptic leaf springs with double acting shock absorbers				
Size	1,300 x 70mmLeaves		10mm x 9		
<b>● REAR SUSPENSION</b>		<b>● ELECTRICAL EQUIPMENT</b>			
Type	Semi-elliptic main and auxiliary leaf springs				
Main - Size	1,300 x 70mm				
Main - Leaves	11 mm x 8				
Auxiliary - Size	900 x 70mm				
Auxiliary - Leaves	11 mm x 5 + 10 mm x 2				
<b>● WHEEL AND TYRE</b>		Type			
Wheel type	8-stud disc wheel (JIS type)				
Rim size	7.00T x 20 - offset 152 mm				
Tyre size	9.00R20-140/137				
Number of tyres	7 (including one spare tyre)				
Spare tyre carrier	Equipped with tyre inflator				
Tool Kit	Includes wheel brace and hydraulic jack				
		Type			
		24 volt, negative earth			
		Batteries			
		12 V x 2, series-connection			
		Capacity: 120Ah at 20-hour rate			
		Alternator			
		24 V, 80 A 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 (3)			
		12 volt electrical source			
		Equipped			
		<b>● OPTIONAL EQUIPMENT</b>			
		ABS Braking System (available by irrevocable order only)			
		Horizontal Exhaust			