



RANGER-PRO 8Z CREW

• RATINGS (kg)

4 x 4 Truck Chassis

	GVM	GCM
Ratings	13,000	21,000

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

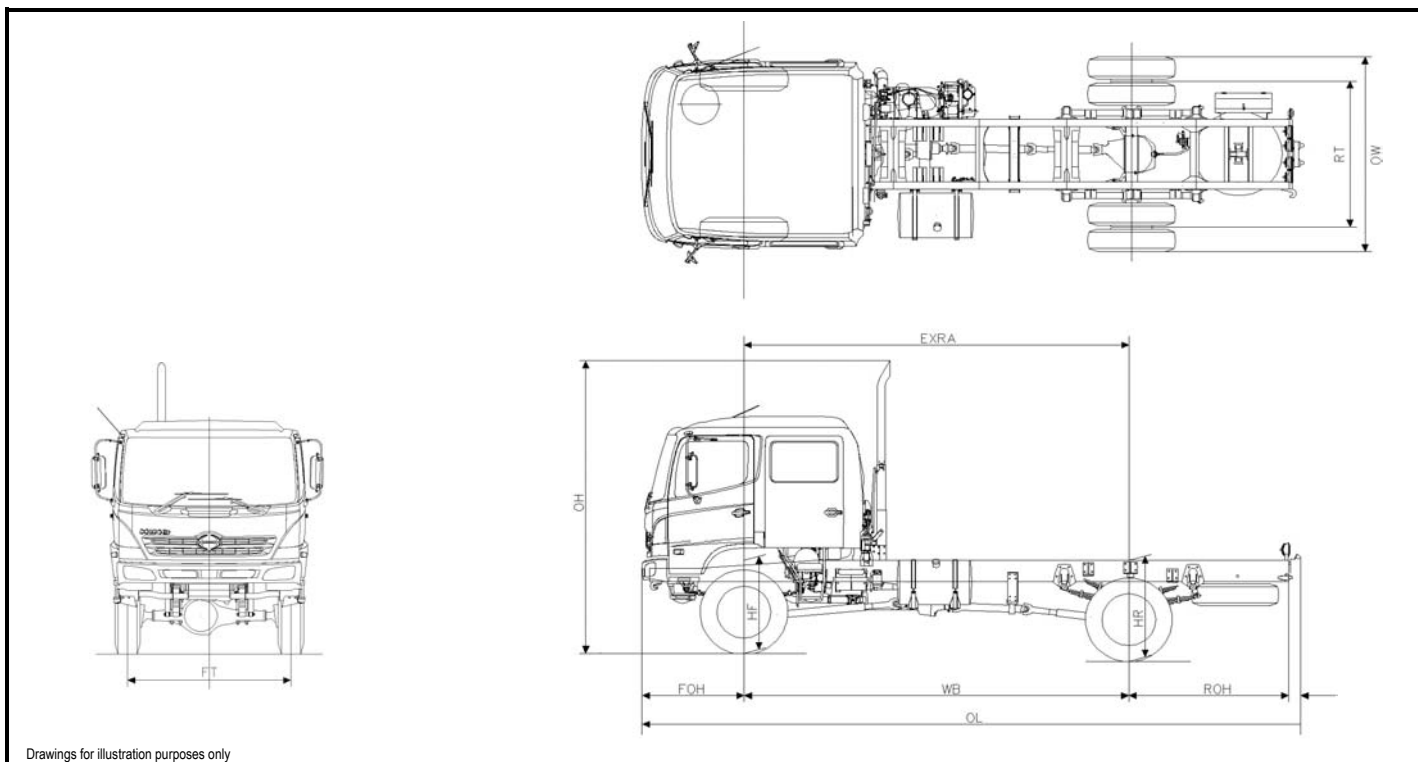
Model	Crew	
Model Ordering Code	GT1JKPA Crew	
Wheelbase	WB	4,650
Overall Length	OL	7,960
Overall Width	OW	2,380
Overall Height	OH	3,605
Cab Height		2,905
Exhaust to Rear Axle Centre	EXRA	2,930
Front Overhang	FOH	1,235
Rear Overhang	ROH	1,930
Front Chassis Height	HF	1,110
Rear Chassis Height	HR	1,210
Front Track	FT	1,950
Rear Track	RT	1,820
Road clearance (at diff. case)		210
Turning Radius (kerb to kerb)		9,900
Turning Radius (Swept)		10,625

• 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	5,385
	Front	3,340
	Rear	2,045

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

Max. theoretical speed km/h	99
Gradeability (theoretical, tanθ) %	60.0



Drawings for illustration purposes only

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● ENGINE		HINO J08C-UM		● FUEL TANK	
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	● CHASSIS FRAME			
Max. engine speed	2,900 rpm	Type	Parallel Chassis	Rear chassis width	870 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	270.0 x 90 x 8 mm	Tensile strength	540N/mm ² {55 ksf/mm ² }
Bore and stroke	114 x 130 mm	Hook	Equipped for front & rear	Tool Box	Mounted on chassis
Displacement	7,961cc	● CAB			
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		
● CLUTCH		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		
Hino CS-350		Side passenger's seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. 3 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 tray,fabric upholstery. Two point lap seat belt		
Control	Hydraulic with air booster	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 material	Cerametallic	Sun Visor	Fitted for driver and passenger side		
Facing outside diameter	350 mm	Windshield wipers	2-speed and intermittent control		
● TRANSMISSION		Rear view Mirrors	2 x West Coast type with spotter mirror on LHS		
LX06S TRANSFER MA12C		Over-head console	Fitted for driver and passenger side		
Type	6 Forward & 1 Reverse speeds. Direct Drive with mechanical control. Synchromesh 2nd-6th				
Transfer	High(1.000)	Low(2.224)			
Gear Ratio	1st	6.515	14.489		
	2nd	4.122	9.167		
	3rd	2.500	5.560		
	4th	1.718	3.820		
	5th	1.261	2.804		
	6th	1.000	2.224		
	Rev.	6.060	13.477		
● FRONT AXLE		Audio	Fitted as standard. Ventilation is forced type by electric blower through 12 outlets		
SS15		Air conditioner	Fitted for driver and passenger side		
Type	Full-floating, single reduction, single speed, by spiral bevel gears with constant velocity universal joints				
Capacity	4,800kg				
● REAR AXLE		Headlamp Adjustment	Electro-rheostat headlamp levelling adjustment		
SH16-1		● INSTRUMENTS			
Type	Full-floating, single reduction, single speed, with hypoid gears and "No Spin" differential lock				
Capacity	9,200kg				
Ratio	5.428:1				
● PROPELLER SHAFT		Meters and gauges		Speedometer	Fuel gauge
LD0932/LF0932		Odometer with 2 trip meters	Coolant temperature gauge		
Universal joints	Round bearing type				
● BRAKES		Tachometer	Air pressure gauge (Front & Rear)		
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 155mm				
Effective Lining area	4,544cm ²				
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				
● STEERING		Warning, pilot lamps and buzzers		Oil pressure warning lamp & buzzer	Charging warning lamp
Type	Collapsible Telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster integral type				
Gear Ratio	19.05:1				
● FRONT SUSPENSION		Air pressure warning lamp and buzzer	Beam indicator lamp		
Type	Semi-elliptic leaf springs with double acting shock absorbers				
Size	1,400 x 80mm				
Leaves	11 mm x 1 + 9 mm x 1 + 10 mm x 9				
● REAR SUSPENSION		Engine over-run warning buzzer	Turn signal indicator lamp		
Type	Semi-elliptic main and auxiliary leaf springs				
Main - Size	1,600 x 80mm				
Main - Leaves	13 mm x 5 + 12 mm x 5				
Auxiliary - Size	1,050 x 80mm				
Auxiliary - Leaves	11 mm x 3 + 10 mm x 8				
● WHEEL AND TYRE		Brake fluid level warning lamp & buzzer	Parking brake indicator lamp		
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 inflater				
Tool Kit	Includes wheel brace and hydraulic jack				
		Exhaust brake indicator lamp	Reverse warning buzzer		
		Injection pump electrical warning lamp	Hazard warning lamp		
		Coolant level warning lamp & buzzer			
		Switches		Lighting switch	Fog lamp switch
		Wiper and washer switch	Exhaust brake switch		
		Directional indicator and dimmer switch	Hazard lamp switch		
		Others		One-key starting-stopping	Horn button
		Throttle control knob			
		● ELECTRICAL EQUIPMENT			
		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		
		● OPTIONAL EQUIPMENT			
		ABS Braking System (available by irrevocable order only)			
		Horizontal Exhaust			