



# RANGER-PRO 10

## LONG AUTO ACE

• RATINGS (kg)

4x2 Truck Chassis

	GVM	GCM
Ratings	16,000	On Application

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

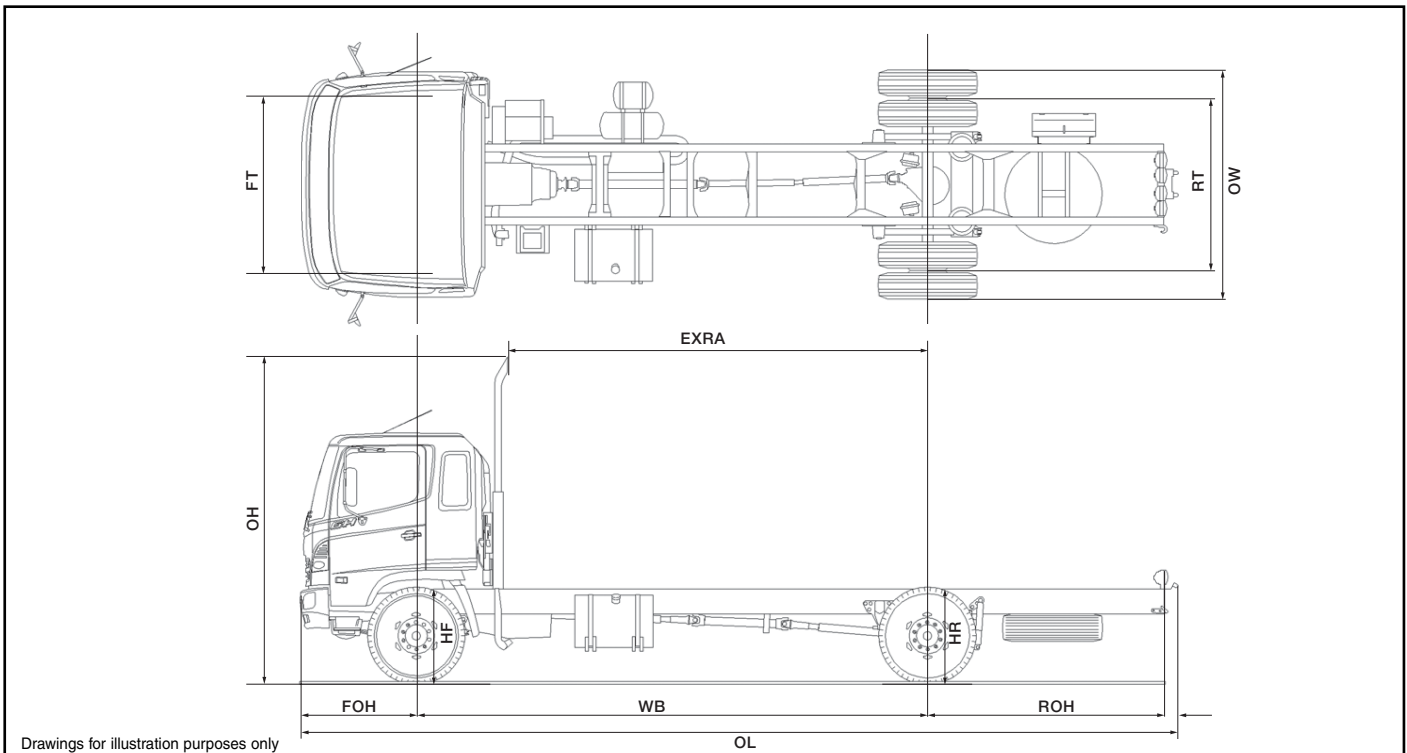
Model	Long Auto ACE	
Model Ordering Code	GH1JMPG AUTO	
Wheelbase	WB	5,030
Overall Length	OL	8,730
Overall Width	OW	2,460
Overall Height	OH	3,495
Cab Height		2,685
Exhaust to Rear Axle Centre	EXRA	4,095
Front Overhang	FOH	1,255
Rear Overhang	ROH	2,300
Front Chassis Height	HF	1,000
Rear Chassis Height	HR	1,020
Front Track	FT	1,915
Rear Track	RT	1,840
Road clearance (at diff. Case)		235
Turning Radius (kerb to kerb)		8,700
Turning Radius (Swept)		9,425

• **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	4,905
	Front	2,980
	Rear	1,925

• **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)%	52.8



Drawings for illustration purposes only

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<b>● ENGINE</b>		<b>HINO J08C-UK</b>		<b>● CAB</b>	
Max. output (JIS Gross)	191 kW at 2,500 rpm	Type		EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.	
Max. torque (JIS Gross)	745 Nm at 1,500 rpm	Seating capacity		Two	
Max engine speed	2,900 rpm	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.	
Type	Diesel, turbo charged & inter-cooled, 6 cylinder in-line with 4 valves per cylinder and overhead camshaft. Electronic Governor and speed limiter.	Side passengers 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	
Bore and Stroke	114 x 130mm	Centre console		Equipped	
Displacement	7,961cc	Sun Visor		Fitted for driver and passenger side	
Compression Ratio	18.0:1	Windshield wipers		2-speed and intermittent control	
Cooling Fan	Indirect type fitted with viscous coupling	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>ALLISON MD 3060P</b>		Audio		AM/FM radio cassette	
Type	5 Forward & 1 Reverse speeds. Over Drive Automatic electrical control	Air Conditioner		Fitted as standard. Ventilation is forced type by electric blower through 13 outlets.	
Gear Ratio	1st 3.487 4th 1.000 2nd 1.864 5th 0.750 3rd 1.409 Rev 5.027	Front air spoiler		Equipped	
<b>● FRONT AXLE</b>		Headlamp Adjustment		Electro-rheostat headlamp levelling adjustment	
<b>MF67I</b>		<b>● INSTRUMENTS</b>			
Type	Reversed Elliot 'I' section beam	<b>Meters and gauges</b>			
Capacity	6,500kg	Speedometer		Fuel gauge	
<b>● REAR AXLE</b>		Odometer with 2 trip meters		Coolant Temperature Gauge	
<b>SH17-6</b>		Tachometer		Air pressure gauge (Front & Rear)	
Type	Full-floating, single reduction, single speed with hypoid gears	<b>Warning, pilot lamps and buzzers</b>			
Capacity	10,500kg	Oil pressure warning lamp & buzzer		Charging warning lamp	
Ratio	6.428:1	Air pressure warning lamp & buzzer		Beam indicator lamp	
<b>● PROPELLER SHAFT</b>		Engine over-run warning buzzer		Turn signal indicator lamp	
<b>MC1040</b>		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	Exhaust brake indicator lamp		Reverse warning buzzer	
<b>● BRAKES</b>		Injection pump electrical warning lamp		Hazard warning lamp	
Type	Full air, dual circuit, "S" cam system with leading & trailing shoes for front and rear acting on all wheels	Coolant level warning lamp & buzzer			
Size - Front	406.4 x 127mm	<b>Switches</b>			
Size - Rear	406.4 x 203mm	Lighting switch		Fog lamp switch	
Effective Lining Area	4,480 cm <sup>2</sup>	Wiper and washer switch		Exhaust brake switch	
Air Dryer	Equipped	Directional indicator and dimmer switch		Hazard lamp switch	
Air Compressor	Dual Cylinder water-cooled type	<b>Others</b>			
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		Emergency stop control	
<b>● STEERING</b>		<b>● ELECTRICAL EQUIPMENT</b>			
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	20.2:1	Batteries		12 V x 2, series connection	
<b>● FRONT SUSPENSION</b>		Capacity:		65 Ah at 20-hour rate	
Type	Taper leaf springs with double acting heavy duty shock absorbers and stabilizer	Alternator		24V, 80A with built in rectifier & voltage regulator	
Size	1,470 x 80mm	Headlamps		Semi-sealed beam, halogen type with integrated Fog lamps	
Leaves	19.5 mm x 4	Other lamps		Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps.	
<b>● REAR SUSPENSION</b>		12 volt electrical source		Equipped	
<b>HAS230</b>		<b>● OPTIONAL EQUIPMENT</b>			
Type	Two air bags with double acting shock absorbers and mechanical height control (dump valve)	Engine Driven PTO			
<b>● WHEEL &amp; TYRE</b>		ABS Braking System (available by irrevocable order only)			
Wheel type	10-stud disc wheel (ISO type)	17,000kg GVM available on application			
Rim size	8.25 x 22.5 - offset 165mm				
Tyre size	295/80R22.5-152/148				
Number of tyres	7 (including one spare tyre)				
Spare tyre carrier	Equipped				
Tool Kit	Includes wheel brace and hydraulic jack				
<b>● FUEL TANK</b>					
Capacity	200 litres				
Fuel pre-filter & sedimentor	Equipped with water separator				
<b>● CHASSIS FRAME</b>					
Type	Parallel Chassis				
Rear chassis width	870mm				
Size	270 x 90 x 8.0mm				
Tensile strength	540N/mm <sup>2</sup> {55kgf/mm <sup>2</sup> }				
Hook	Equipped for front & rear				
Tool Box	Mounted on chassis				