



# RANGER-PRO 10 SIX ACE

• RATINGS (kg)

4x2 Truck Chassis

	GVM	GCM
Ratings	16,000	32,000

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

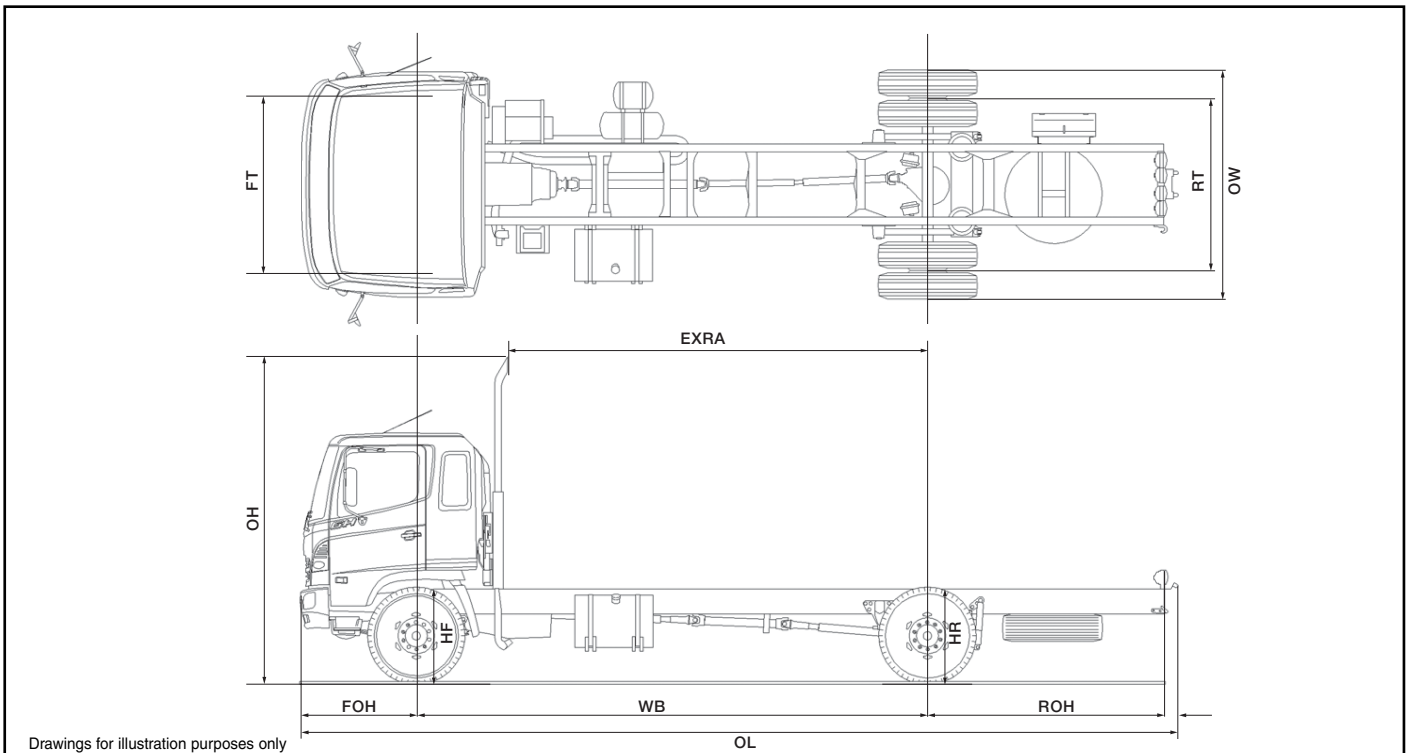
Model		Medium SIX ACE	XLong SIX ACE	XXLongSIX ACE
Model Ordering Code		GH1JJPQ SIX	GH1JPPG SIX	GH1JSPG SIX
Wheelbase	WB	4,260	5,510	6,200
Overall Length	OL	7,570	9,460	10,550
Overall Width	OW	2,460		
Overall Height	OH	3,495		
Cab Height		2,685		
Exhaust to Rear Axle Centre	EXRA	3,325	4,575	5,265
Front Overhang	FOH	1,255		
Rear Overhang	ROH	1,910	2,550	2,950
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)		7,500	9,500	10,500
Turning Radius (Swept)		8,225	10,225	11,225

• **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	4,765	4,830	5,150
	Front	2,850	2,905	3,110
	Rear	1,915	1,925	2,040

• **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)%	32.0	31.3	



Drawings for illustration purposes only

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<b>● ENGINE</b>		<b>HINO J08C-UK</b>		<b>● CHASSIS FRAME</b>	
Max. output (JIS Gross)	191 kW at 2,500 rpm	Type	Parallel Chassis	Rear chassis width	870mm
Max. torque (JIS Gross)	745 Nm at 1,500 rpm	Size	270 x 90 x 8.0mm	Inner flitch	254 x 74 x 3.2mm (XXLong only)
Max engine speed	2,900 rpm	Tensile strength	540N/mm <sup>2</sup> {55kgf/mm <sup>2</sup> }	Hook	Equipped for front & rear
Type	Diesel, turbo charged & inter-cooled, 6 cylinder in-line with 4 valves per cylinder and overhead camshaft. Electronic Governor & speed limiter. Combustion by Timed Injection-rate Control System (TICS) and employing Hino's Micro Mixing System (HMMS)	Tool Box	Mounted on chassis	<b>● CAB</b>	
Bore and Stroke	114 x 130mm	Type	EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.		
Displacement	7,961cc	Seating capacity	Three		
Compression Ratio	18.0:1	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.		
Cooling Fan	Indirect type fitted with viscous coupling	Side passengers seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. Three point auto retracting lap sash belt		
<b>● CLUTCH</b>		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		
Type	Hino CS-380	Sun Visor	Fitted for driver and passenger side		
Control	Dry single plate with damper springs	Windshield wipers	2-speed and intermittent control		
Facing Material	Hydraulic with air booster	Rear view mirrors	2 x West Coast type with spotter mirror on LHS		
Facing outside diameter	Cerametallic	Over-head console	Fitted for driver and passenger side		
<b>● TRANSMISSION</b>		Audio	AM/FM radio cassette. CD player for XLong and XXLong models		
Type	MF06S	Air Conditioner	Fitted as standard. Ventilation is forced type by electric blower through 13 outlets.		
Type	6 Forward & 1 Reverse speeds. Direct Drive with mechanical control and power shift. Synchronesh 2nd-6th	Power Windows	Equipped for XLong and XXLong models.		
		Door Lock	Electric for XLong and XXLong models.		
		Rest Bench	Fitted with mattress behind seats for Xlong and XXLong models		
		Front air spoiler	Equipped		
		Headlamp Adjustment	Electro-rheostat headlamp levelling adjustment		
		<b>● INSTRUMENTS</b>			
		<b>Meters and gauges</b>			
		Speedometer	Fuel gauge		
		Odometer with 2 trip meters	Coolant Temperature Gauge		
		Tachometer	Air pressure gauge (Front & Rear)		
		<b>Warning, pilot lamps and buzzers</b>			
		Oil pressure warning lamp & buzzer	Charging warning lamp		
		Air pressure warning lamp & buzzer	Beam indicator lamp		
		Engine over-run warning buzzer	Turn signal indicator lamp		
		Brake fluid level warning lamp & buzzer	Parking brake indicator lamp		
		Brake adjustment warning lamp & buzzer	Seat belt warning lamp and buzzer		
		Exhaust brake indicator lamp	Reverse warning buzzer		
		Injection pump electrical warning lamp	Hazard warning lamp		
		Coolant level warning lamp & buzzer			
		<b>Switches</b>			
		Lighting switch	Fog lamp switch		
		Wiper and washer switch	Exhaust brake switch		
		Directional indicator and dimmer switch	Hazard lamp switch		
		<b>Others</b>			
		One-key starting-stopping	Horn button		
		Throttle control knob	Emergency stop control		
<b>● FRONT AXLE</b>		<b>● ELECTRICAL EQUIPMENT</b>			
Type	MF671	Type	24 volt, negative earth		
Capacity	Reversed Elliot 'I' section beam	Batteries	12 V x 2, series connection		
<b>● REAR AXLE</b>		Capacity:	65 Ah at 20-hour rate		
Type	SH17-6	Alternator	24V, 50A with built in rectifier & voltage regulator		
Type	Full-floating, single reduction, single speed with hypoid gears	Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps		
Capacity	10,500kg	Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps.		
Ratio	5.250:1 (Medium)4.625:1 (XLong,XXLong)	12 volt electrical source	Equipped		
<b>● PROPELLER SHAFT</b>		<b>● OPTIONAL EQUIPMENT</b>			
Universal joints	MC1040	Engine Driven PTO			
Centre Bearing	Round bearing type	ABS Braking System (available by irrevocable order only)			
	1-piece (Medium)	17,000kg GVM available on application			
	2-piece (XLong,XXLong)				
<b>● BRAKES</b>					
Type	Full air, dual circuit, "S" cam system with leading & trailing shoes for front and rear acting on all wheels				
Size					
- Front	406.4 x 127mm				
- Rear	406.4 x 203mm				
Effective Lining Area	4,480 cm <sup>2</sup>				
Air Dryer	Equipped				
Air Compressor	Dual Cylinder water-cooled type				
Park Brake	Spring Brake acting on rear wheels				
Exhaust Brake	Electric-pneumatic operation with butterfly type valve				
<b>● STEERING</b>					
Type	Collapsible telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster, integral type				
Gear Ratio	20.2:1				
<b>● FRONT SUSPENSION</b>					
Type	Taper leaf springs with double acting shock absorbers				
Size	1,470 x 80mm				
Leaves	19.5 mm x 4				
<b>● REAR SUSPENSION</b>					
Type	HAS-230				
Type	Two air bags with double acting shock absorbers and mechanical height control (dump valve)				
<b>● WHEEL &amp; TYRE</b>					
Wheel type	10-stud disc wheel (ISO type)				
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 (Medium,XLong) 400 litres (XXLong)				
Fuel pre-filter & sedimentor	Equipped with water separator				