



RANGER-PRO 12 XXLONG ACE

• RATINGS (kg)

6x2 Truck Chassis

	GVM	GCM
Ratings	24,000	32,000

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

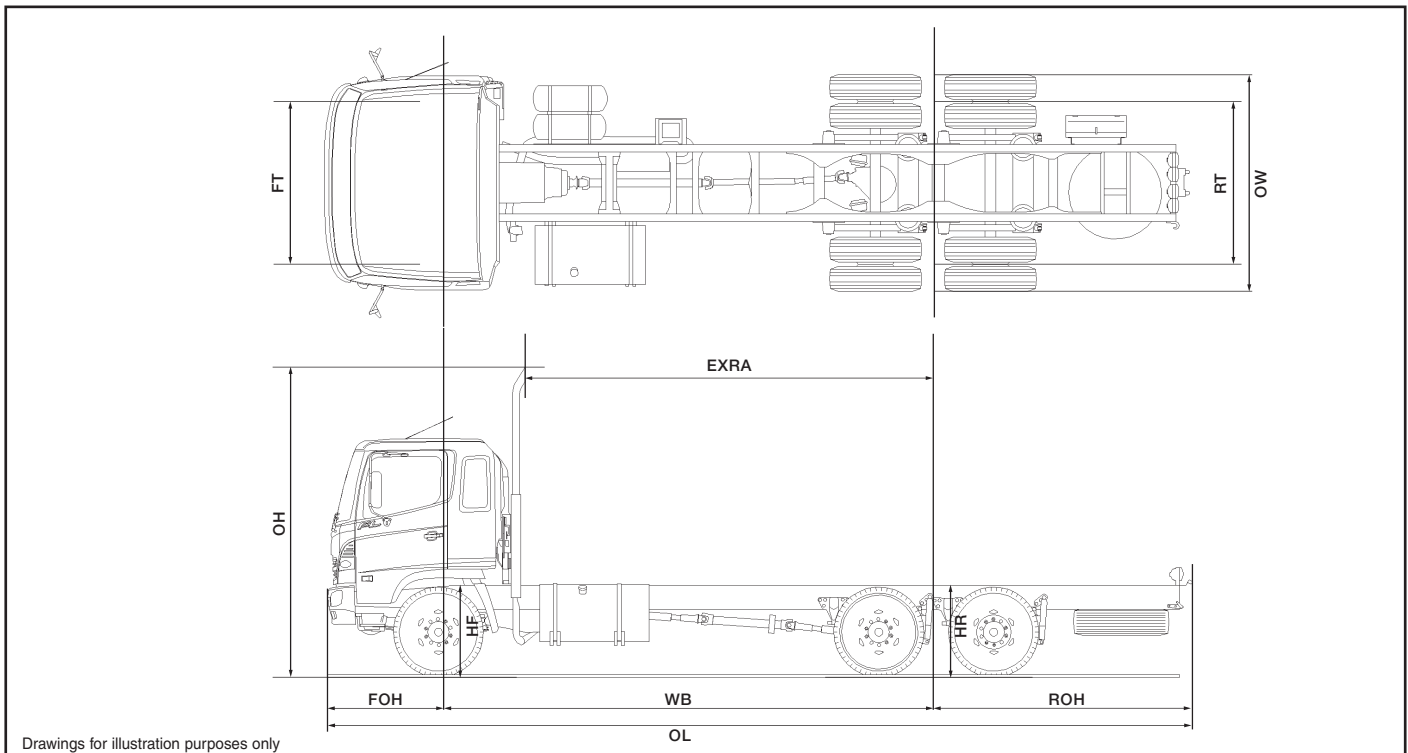
Model	XXLong ACE	
Model Ordering Code	FL1JTPG	
Wheelbase (centre rear axles)	WB	5,630
Overall Length	OL	9,780
Overall Width	OW	2,445
Overall Height	OH	3,475
Cab Height		2,665
Exhaust to Rear Axle Centre	EXRA	4,700
Front Overhang	FOH	1,255
Rear Overhang	ROH	2,750
Front Chassis Height	HF	1,010
Rear Chassis Height	HR	1,030
Front Track	FT	1,915
Rear Track	RT	1,840
Road clearance (at diff. Case)		200
Turning Radius (kerb to kerb)		10,400
Turning Radius (Swept)		11,125

• **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	6,390
	Front	3,220
	Rear	3,170

• **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)%	34.7



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● ENGINE		HINO J08C-UK		● CHASSIS FRAME	
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	298 x 90 x 8.0mm	Reinforcement	284 x 77 x 3.2mm
Max engine speed	2,900 rpm	Tensile strength	540N/mm ² {55kgf/mm ² }	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 and speed limiter.	Tool Box	Mounted on chassis		
Bore and Stroke	114 x 130mm	● CAB			
Displacement	7,961cc	Type	EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism.		
Compression Ratio	18.0:1	Seating capacity	Three		
Cooling Fan	Indirect type fitted with viscous coupling	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 high adjustable shoulder anchor.		
● CLUTCH		Side passengers seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. Three point auto retracting lap sash belt 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	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 console. Fabric upholstery. Two point lap seat belt		
Control	Hydraulic with air booster	Sun Visor	Fitted for driver and passenger side		
Facing Material	Cerametallic	Windshield wipers	2-speed and intermittent control		
Facing outside diameter	380mm	Rear view mirrors	2 x West Coast type with spotter mirror on LHS		
● TRANSMISSION		Over-head console	Fitted for driver and passenger side		
Type	Eaton FS-8209BBE	Audio	AM/FM radio cassette with CD player		
Gear Ratio	9 Forward & 1 Reverse speeds. Direct Drive with mechanical control. Synchromesh 1st-9th	Air Conditioner	Fitted as standard. Ventilation is forced type by electric blower through 13 outlets.		
1st	12.637	6th	2.481		
2nd	8.806	7th	1.845		
3rd	6.550	8th	1.343		
4th	4.768	9th	1.000		
5th	3.458	Rev	13.210		
● FRONT AXLE		● INSTRUMENTS			
Type	MF671	Meters and gauges			
Capacity	Reversed Elliot T' section beam	Speedometer	Fuel gauge		
● REAR AXLE		Odometer with 2 trip meters	Coolant Temperature Gauge		
Type	SH17-6	Tachometer	Air pressure gauge (Front & Rear)		
Drive and lazy tandem axle set. Full-floating, single reduction, single speed with hypoid gears		Warning, pilot lamps and buzzers			
Capacity	20,000kg	Oil pressure warning lamp & buzzer	Charging warning lamp		
Ratio	4.875:1	Air pressure warning lamp & buzzer	Beam indicator lamp		
● PROPELLER SHAFT		Engine over-run warning buzzer	Turn signal indicator lamp		
Universal joints	HD1050	Brake fluid level warning lamp & buzzer	Parking brake indicator lamp		
Centre Bearing	Round bearing type	Brake adjustment warning lamp & buzzer	Seat belt warning lamp and buzzer		
	1-piece	Exhaust brake indicator lamp	Reverse warning buzzer		
● BRAKES		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		Switches			
- Front	406.4 x 152mm	Lighting switch	Fog lamp switch		
- Rear	406.4 x 216mm	Wiper and washer switch	Exhaust brake switch		
Effective Lining Area	7,884 cm ²	Directional indicator & dimmer switch	Hazard lamp switch		
Air Dryer	Equipped	Others			
Air Compressor	Dual Cylinder water-cooled type	One-key starting-stopping	Horn button		
Park Brake	Spring Brake acting on 1st and 2nd axles wheels	Throttle control knob	Emergency stop control		
Exhaust Brake	Electric-pneumatic operation with butterfly type valve	● ELECTRICAL EQUIPMENT			
● STEERING		Type	24 volt, negative earth		
Type	Collapsible telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster, integral type	Batteries	12 V x 2, series connection		
Gear Ratio	20.2:1	Capacity:	65 Ah at 20-hour rate		
● FRONT SUSPENSION		Alternator	24V, 50A with built in rectifier & voltage regulator		
Type	Taper leaf springs with double acting shock absorbers	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.		
● REAR SUSPENSION		12 volt electrical source	Equipped		
Type	HAS400	● OPTIONAL EQUIPMENT			
Type	Four air bags with shock absorbers and mechanical height control (dump valve)	Engine Driven PTO			
● WHEEL & TYRE		ABS Braking System (available by irrevocable order only)			
Wheel type	10-stud disc wheel (ISO type)				
Rim size	8.25 x 22.5 - offset 165mm				
Tyre size	275/80R22.5-149/146				
Number of tyres	11 (including one spare tyre)				
Spare tyre carrier	Equipped				
Tool Kit	Includes wheel brace and hydraulic jack				
● FUEL TANK					
Capacity	400 litres				
Fuel pre-filter & sedimentor	Equipped with water separator				