



RANGER-PRO 14 XXLONG ACE

● RATINGS (kg)

6 x 4 Truck Chassis

	GVM	GCM
Ratings	26,000	33,000

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

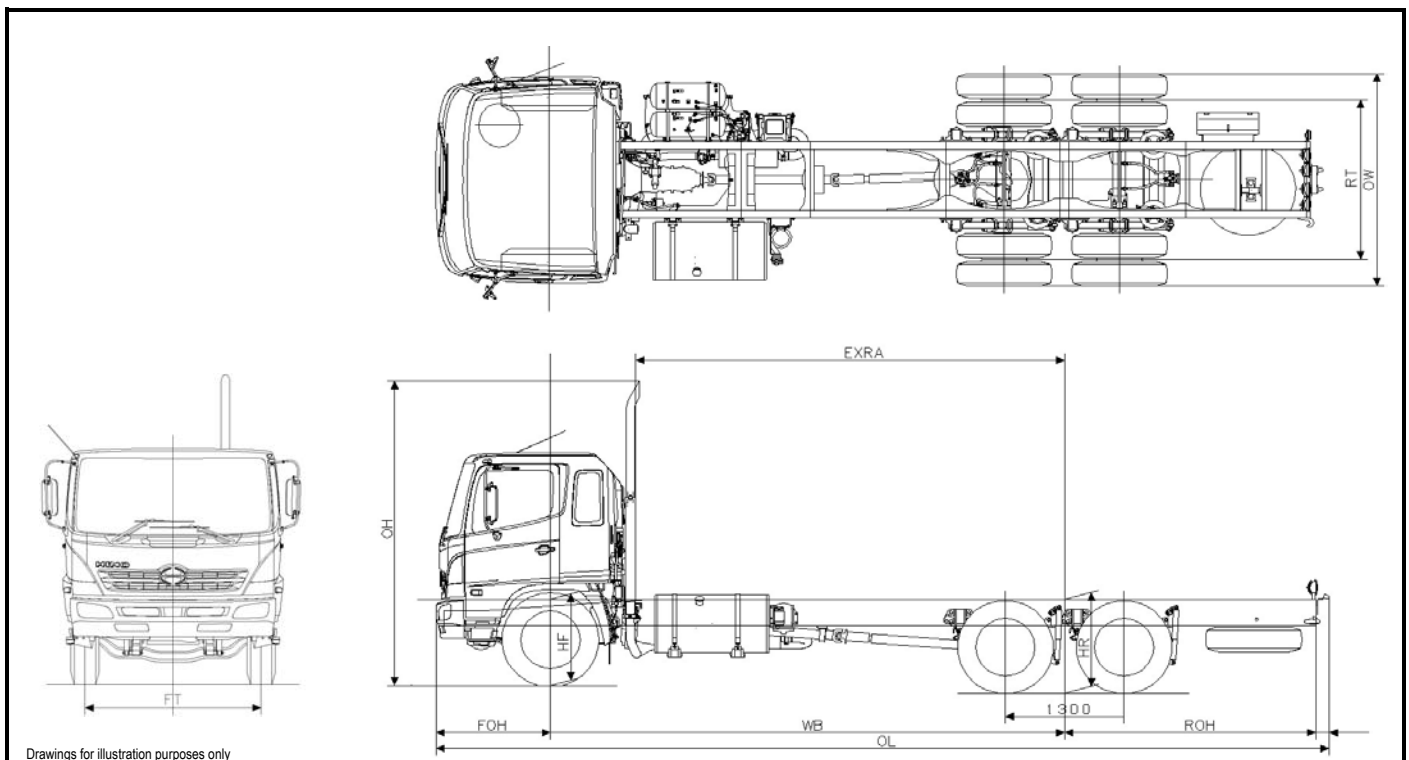
Model		XXLong ACE
Model Ordering Code		FM1JTPG
Wheelbase (Centre Rear axles)	WB	5,630
Overall Length	OL	9,780
Overall Width	OW	2,445
Overall Height	OH	3,475
Cab Height		2,665
Exhaust to Centre Rear Axles	EXRA	4,695
Front Overhang	FOH	1,255
Rear Overhang	ROH	2,750
Front Chassis Height	HF	1,010
Rear Chassis Height	HR	1,030
Front Track	FT	1,915
Rear Track	RT	1,840
Road clearance (at diff. case)		195
Turning Radius (kerb to kerb)		10,800
Turning Radius (Swept)		11,525

● 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	7,150
	Front	3,410
	Rear	3,740

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

Max. speed km/h (Limited)	100
Gradeability (theoretical, tanθ) %	59.9



Drawings for illustration purposes only

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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	870 mm
Max. torque (JIS Gross)	745 Nm at 1,500 rpm	Size	298 x 90 x 8.0 mm	Reinforcement	284 x 77 x 3.2 mm
Max. engine speed	2,900 rpm	Tensile strength	540N/mm ² {55 kgf/mm ² }	Hook	Equipped for front & rear
Type	Diesel, turbo charged & intercooled, 6 cylinder in-line with 4 valves per cylinder and overhead camshaft. Electronic Governor and speed limiter. Combustion by Timed Injection-rate Control System (TICS) and employing Hino's Micro Mixing System (HMMS)	Tool Box	Mounted on chassis	● CAB	
Bore and stroke	114 x 130 mm	Type	EGIS safety cab. Forward Control, all steel construction with torsion bar tilt mechanism	Seating capacity	Three
Displacement	7,961cc	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	Side passenger's seat	Reclining high back urethane padded seat with head restraint and fabric upholstery. 3 point auto retracting lap sash belt
Compression ratio	18.0:1	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	Sun Visor	Fitted for driver and passenger side
Cooling Fan	Indirect type fitted with viscous coupling	Sun Visor	Fitted for driver and passenger side	Windshield wipers	2-speed and intermittent control
● CLUTCH		Rear view Mirrors	2 x West Coast type with spotter mirror on LHS	Over-head console	Fitted for driver and passenger side
Hino CS-380		Audio	AM/FM radio with Tape Player and CD player	Air conditioner	Fitted as standard. Ventilation is forced type by electric blower through 13 outlets
Type	Dry single plate with damper springs	Power Windows	Equipped	Door Lock	Electric
Control	Hydraulic with air booster	Rest Bench	Fitted with mattress behind seats and curtain	Front air spoiler	Equipped
Facing material	Cerametallic	Headlamp Adjustment	Electro-rheostat headlamp levelling adjustment	● INSTRUMENTS	
Facing outside diameter	380 mm	Meters and gauges			
● TRANSMISSION		Speedometer	Fuel gauge		
Eaton RT-8908LL		Odometer with 2 trip meters	Coolant temperature gauge		
Type	10 Forward & 3 Reverse speeds. Direct Drive with mechanical control.Constantmesh 1st-10th	Tachometer	Air pressure gauge (Front & Rear)		
Gear Ratio	1st 19.577 8th 1.829	Warning, pilot lamps and buzzers			
	2nd 12.668 9th 1.344	Oil pressure warning lamp & buzzer	Charging warning lamp		
	3rd 8.390 10th 1.000	Air pressure warning lamp and buzzer	Beam indicator lamp		
	4th 6.229 Rev. 20.467	Engine over-run warning buzzer	Turn signal indicator lamp		
	5th 4.578 Rev. 13.243	Brake fluid level warning lamp & buzzer	Parking brake indicator lamp		
	6th 3.404 Rev. 3.889	Brake adjustment warning lamp & buzzer	Seat belt warning lamp and buzzer		
	7th 2.464	Exhaust brake indicator lamp	Reverse warning buzzer		
● FRONT AXLE		Injection pump electrical warning lamp	Hazard warning lamp		
MF67 I		Coolant level warning lamp & buzzer			
Type	Reversed Elliot 'I' section Beam	Switches			
Capacity	6,500kg	Lighting switch	Fog lamp switch		
● REAR AXLE		Wiper and washer switch	Exhaust brake switch		
THD17-3 & SH17-6		Directional indicator and dimmer switch	Hazard lamp switch		
Type	Tandem axle, dual drive with inter axle differential lock, Full-floating, single reduction, single speed with hypoid gears	Others			
Capacity	20,000kg	One-key starting-stopping	Horn button		
Ratio	4.875:1	Throttle control knob	Emergency stop control		
● PROPELLER SHAFT		● ELECTRICAL EQUIPMENT			
HE1160		Type	24 volt, negative earth		
Universal joints	Round bearing type	Batteries	12 V x 2, series-connection		
Center bearing	1-piece	Capacity	120 Ah at 20-hour rate		
● BRAKES		Alternator	24 V, 50 A with built-in rectifier & voltage regulator		
Type	Full air, dual circuit, "S" cam system with leading & trailing shoes for front and rear acting on all wheels	Headlamps	Semi-sealed beam, halogen type with integrated Fog lamps		
Size - Front	406.4 x 152mm	Other lamps	Clearance lamps, License plate lamp, Reversing lamp, Stop/Tail lamps, Roof Marker lamps, Internal Dome lamps (2)		
Size - Rear	406.4 x 216mm	12 volt electrical source	Equipped		
Effective Lining area	7.884 cm ²	● OPTIONAL EQUIPMENT			
Air Dryer	Equipped	Engine Driven Power Take Off			
Air Compressor	Dual Cylinders water cooled type	ABS Braking System (available by irrevocable order only)			
Park Brake	Spring Brake acting on 1st and 2nd axles				
Exhaust Brake	Electric-pneumatic operation with butterfly type valve				
● STEERING					
Type	Collapsible Telescopic and tilt steering column and wheel with locking device. Recirculating ball with hydraulic booster integral type				
Gear Ratio	20.2:1				
● FRONT SUSPENSION					
Type	Taper leaf springs with double acting shock absorbers				
Size	1,470 x 80mm				
Leaves	19.5 mm x 4				
● REAR SUSPENSION					
HAS400					
Type	Four air bags with shock absorbers and mechanical height control (dump valve)				
● WHEEL AND TYRE					
Wheel type	10-stud disc wheel (ISO type)				
Rim size	8.25 x 22.5 - offset 165 mm				
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 L				
Fuel pre-filter and sedimentor	Equipped, with Water Separator				