



**500**  
S E R I E S

**FC 1022**



\* Illustration may contain item not standard to the model

**4 x 2 Cab Chassis**

## KEY FEATURES

- Cruise Control
- ABS Brakes with ASR
- Easy Start – Take-off Assist
- Brake Lock System
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- FUP (ADR 84/00 Complied)
- ISRI 6800 Driver seat with integrated Safety Belt

## KEY SPECIFICATIONS

<b>GVM</b> . . . . .	10,400kg
<b>GCM</b> . . . . .	16,000kg
<b>Power</b> . . . . .	162kW @ 2400 RPM
<b>Torque</b> . . . . .	.647Nm @ 1500 RPM
<b>Transmission</b> . . . . .	Six-speed OD synchromesh
<b>Wheelbase</b> . . . . .	3420mm (Compact), 3850mm (Short), 4350mm (Medium), 4990mm (Long)





# FC 1022

FC7JEMM-ANU 1022 Compact  
 FC7JGMA-ANU 1022 Short  
 FC7JJMA-ANU 1022 Medium  
 FC7JLMA-ANU 1022 Long

## Engine & Driveline specifications

### ENGINE

Model	Hino J07E-TR
Max. output (ISO NET)	162kW (220 PS) at 2400 RPM
Max. output (JIS GROSS)	165kW (225 PS) at 2400 RPM
Max. torque (ISO NET)	647Nm (66kgf/m) at 1500 RPM
Max torque (JIS GROSS)	667Nm (68kgf/m) at 1500 RPM
Max. engine speed	2400 RPM
Engine compliance	ADR 80/03
Type	Diesel, turbocharged & intercooled, five-cylinder in-line, overhead camshaft & water-cooled
Combustion system	Direct injection with EGR
Bore & stroke	112 x 130mm
Piston displacement	6.403L
Compression ratio	17.0:1
Engine oil capacity	11.7L
Coolant capacity	25L
Fuel injection pump	Electronic control common-rail type
Intake system	Stack-type air intake
Air cleaner	Dual paper elements
Air compressor type	Single cylinder, water-cooled
Bore & stroke	70 x 40mm
Fan clutch	Equipped
Exhaust	Horizontal outlet with DPR
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO V Std

### CLUTCH

Model	CS-350 series
Type	Dry single plate with damper springs
Facing material	Moulded (non-asbestos)
Facing outside diameter	350mm
Control	Hydraulic with air booster

### TRANSMISSION & GEAR RATIOS

Model	LX06S Overdrive
Type	Six forward and one reverse speeds, synchromesh on 2nd to 6th
Control	Cable with power shift
Rear axle gear ratio	4.33:1

1st	.6.098	5th	.1.000
2nd	.3.858	6th	.0.761
3rd	.2.340	Rev.	.5.672
4th	.1.422		

### PERFORMANCE

Calculations based on 10.4 ton GVM, 9.5R17.5 tyre

Engine RPM @ 100km/h	2150
Max theoretical speed (km/h)	112
Gradeability tan $\theta$ (%) @ GVM	39.9

### BRAKES

Type	Hydraulic system with two leading shoes for front and rear acting on all wheels
Control	Air over hydraulic, dual circuits
Drum diameter x lining	
Width	Front: 320 x 110mm Rear: 320 x 145mm
Air dryer	Equipped
ABS	Equipped
ASR (Anti Slip Regulator)	Equipped
Brake lock system	Equipped
Parking brake	Mechanical, internal, expanding acting on transmission output shaft
Exhaust brake	Electric-pneumatic with valve in exhaust pipe
Easy Start	Equipped

### AXLE LOAD & TYPE

Axle load limit	Front axle	3600kg
	Rear axle	7000kg
Front axle type	LF366 series, Reversed Elliot, I-Beam	
Rear axle type	SH13 Full-floating, single reduction, single-speed hypoid	

### SUSPENSION

Front suspension Type	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size	1300 span x 70mm width
Rear suspension Type	Semi-elliptic main & auxiliary leaf springs
Main springs	1300 span x 70mm width
Auxiliary springs	900 span x 70mm width

### WHEELS & TYRES

Wheel type	Six-stud disc wheel (JIS type) PCD 222.25
Rim size	6.75 x 17.5 – offset 135mm
Tyre size	9.5R17.5-129/127
Number of tyres	Seven (including one spare tyre)
Spare tyre carrier	Equipped (except for Compact)

### FUEL TANK

Capacity	200L
Fuel pre-filter & sedimenter	Equipped
Fuel tank cap key	Equipped



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## Cab, Instrumentation & Chassis

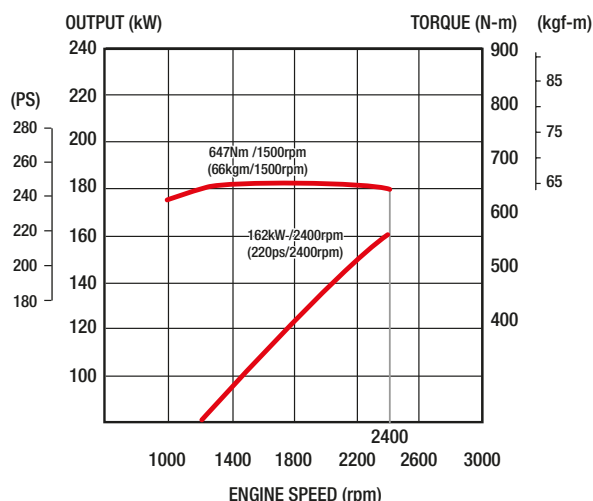
### CAB DETAILS

Type . . . . .	Forward control, all-steel construction with torsion bar tilt mechanism
Drivers SRS Airbag . . . . .	Equipped with Pretensioner Seatbelt
Seating capacity . . . . .	Three
Driver's seat . . . . .	ISRI 6800 with urethane foam pads, high-back, lumbar support, multi adjustable, air suspended, with integrated safety belt
Side passenger's seat . . . . .	Urethane foam pads, high-back & reclining seat with fabric cover & under-tray
Centre passenger's seat . . . . .	Urethane foam pads & foldaway type with seat back tray, fabric cover
Seat belt . . . . .	3-point type on driver's & side passenger's seat, 2-point type on centre passenger's seat
Sun visor and overhead console . . . . .	For driver & passenger sides
Windshield wipers . . . . .	Electric, dual, intermittent & 2-speed
Ventilator . . . . .	Forced type by electric blower
Rear view mirrors . . . . .	External: Electric & heated, two flat type, two convex spotters
Cigarette lighter 24V . . . . .	Equipped
Floor mat . . . . .	Vinyl type
Front air spoiler . . . . .	Equipped
Central locking & keyless entry . . . . .	Equipped with immobiliser
Heater and defroster . . . . .	Standard
Air conditioner . . . . .	Standard
Trim . . . . .	Full trim type (side, roof & back)
Cab pockets . . . . .	Equipped on both door sides
Power windows . . . . .	Equipped
Car audio . . . . .	AM/FM radio with CD player
Speakers . . . . .	Driver & passenger sides
Foot rest . . . . .	Equipped
Easy Start . . . . .	Equipped
Engine control link . . . . .	Equipped
Cup holder . . . . .	Equipped
Cruise Control . . . . .	Equipped

### ELECTRICAL

Type . . . . .	24V, negative earth
Batteries . . . . .	2 x12V, series connection. Capacity 65Ah at 20-hour rate
Alternator type . . . . .	Brushless with built-in rectifier and voltage regulator. Capacity 24V, 60A
Starter type . . . . .	24V, 4.5kW
Headlamps . . . . .	Halogen type includes fog lamps
High/low beam . . . . .	Equipped
Fluorescent reading lamp . . . . .	Equipped
Electric horn . . . . .	Equipped

### POWER & TORQUE CHART (ISO Net) J07E-TR



### INSTRUMENTS

- Meters & gauges**  
 Speedometer with trip meter  
 Odometer  
 Tachometer  
 Fuel gauge  
 Coolant temperature gauge  
 Air pressure gauge
- Switches**  
 One-key starting-stopping  
 Lighting  
 Directional indicator, dimmer & passing  
 Wiper and washer  
 Hazard lamp  
 Exhaust brake  
 Map lamp  
 Fog lamp  
 Easy Start  
 Cruise Control  
 DPR regeneration  
 ASR off  
 Mirror controls
- Warning, pilot lamps & buzzers**  
 Oil pressure warning lamp & buzzer  
 Air pressure warning lamp & buzzer  
 Engine over-run warning buzzer  
 Coolant level warning lamp & buzzer  
 Brake fluid level warning lamp & buzzer  
 Brake adjustment warning lamp & buzzer  
 High beam indicator lamp  
 Turn signal indicator lamp  
 Parking brake indicator lamp  
 Seat belt warning lamp & buzzer  
 Exhaust brake indicator lamp  
 Engine control system warning lamp  
 Hazard indicator lamp  
 Back-up warning buzzer
- Others**  
 Idle up control knob  
 Horn button  
 12V electric source

### STEERING

Type . . . . .	Telescopic & tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio . . . . .	18.6:1
Steering angle . . . . .	<b>Inside:</b> 50-53° <b>Outside:</b> 39°

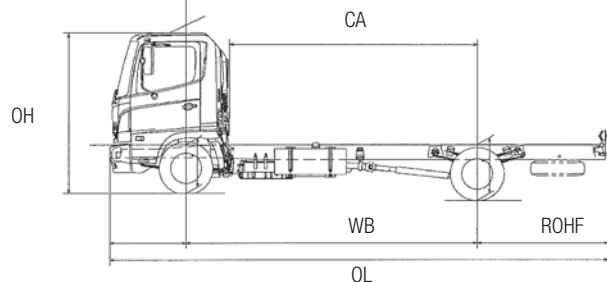
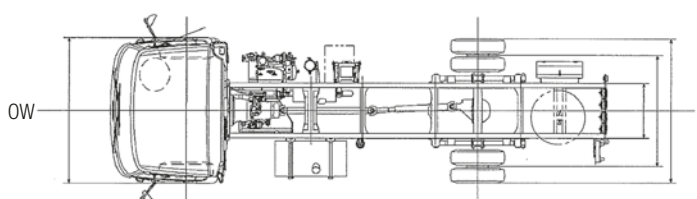
### CHASSIS FRAME

Type . . . . .	Ladder-shaped channel-section side rails
Rear chassis width . . . . .	820mm
Max. section (depth x flange x thickness) . . . . .	229.4 x 78 x 5.7mm (Compact) 228.6 x 73 x 5.3mm (Short, Medium-Long) 231.6 x 73 x 6.8mm (Medium & Long)
Tensile strength . . . . .	540N/mm <sup>2</sup> [55kgf/mm <sup>2</sup> ]
Hooks . . . . .	Equipped for front & rear
Factory FUP . . . . .	Equipped



# FC 1022

## Dimensions



### DIMENSIONS - mm / Capacities

Model	Hino FC 1018	Compact	Short	Medium	Long
Production code.	FC7JEMM-ANU	FC7JGMA-ANU	FC7JMA-ANU	FC7JLMA-ANU	
Wheelbase (WB)	3420	3850	4350	4990	
Overall length (OL)	6095	6735	7445	8435	
Overall width (OW)	2175	2175	2175	2175	
Overall height (OH)	2450	2450	2450	2450	
Cab to rear axle centre (CA)	2770	3200	3700	4340	
Rear overhang (at frame end) (ROHF)	1490	1700	1910	2260	
Front chassis height (HF)	775	775	775	775	
Rear chassis height (HR)	880	880	880	880	
Road clearance (at diff. case) (RC)	220	220	220	220	
Front track (FT)	1770	1770	1770	1770	
Rear track (RT)	1660	1660	1660	1660	
Turning circle kerb to kerb	11,200	12,400	13,800	15,600	
Turning circle wall to wall	12,600	13,800	15,200	17,000	
<b>Chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)</b>					
Total	3200	3210	3240	3360	
Front	2175	2190	2210	2260	
Rear	1025	1020	1030	1100	
GVM*	10,400	10,400	10,400	10,400	
GCM	16,000	16,000	16,000	16,000	

### WARRANTY

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine & Powerlines (whichever comes first)
<b>500 FC 1022</b>	4 x 2	<b>24 months or 100,000km</b>	<b>36 months or 150,000km</b>

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