



500

FC 1018



4 x 2 Cab Chassis

KEY FEATURES

- ABS Brakes
- Easy Start – Take-off Assist

KEY SPECIFICATIONS

- GVM.** 10,400kg
- GCM.** 15,000kg
- Power** 132kW (180 PS) @ 2550rpm
- Torque.** 510Nm @ 1600rpm
- Transmission** Six-speed synchromesh
- Wheelbase** 4350mm (Medium)





FC 1018

FC6JJK-A-NNN

Engine & Driveline specifications

ENGINE

Model	HINO J05D TG
Max. output (ISO NET)	129kW (175 PS) at 2550rpm
(JIS GROSS)	132kW (180 PS) at 2550rpm
Max. torque (ISO NET)	500Nm at 1600rpm
(JIS GROSS)	510Nm at 1600rpm
Max. engine speed	2600rpm
Engine compliance	US04 Compliant
Type	Diesel, turbocharged & intercooled, four-cylinder in-line, overhead camshaft & water-cooled
Combustion system	Direct injection with EGR
Bore & stroke	112 x 120mm
Piston displacement	4.728L
Compression ratio	18.0:1
Engine oil capacity	10.0L
Coolant capacity	17.0L
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

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
Type	Six forward and one reverse speeds, synchromesh on 2nd to 6th
Control	Mechanical

1st	.8.190	5th	.1.343
2nd	.5.072	6th	.1.000
3rd	.2.981	Rev.	.7.619
4th	.1.848		

PERFORMANCE

Calculations based on 10.4 ton GVM, 235 x 17.5 tyre

	Medium
Max theoretical speed (km/h)	110
Gradeability tan θ (%) @ GVM	34.7
Speed Limited	Optional

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
Parking brake	Mechanical, internal, expanding acting on transmission output shaft
Exhaust brake	Electric-pneumatic with valve in exhaust pipe

AXLE SPECIFICATIONS

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	
Rear axle gear ratio	3.636:1	

SUSPENSION

Front suspension Type	Semi-elliptic tapered leaf springs with shock absorbers
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	235 x 17.5 130/128
Number of tyres	Seven (including one spare tyre)
Spare tyre carrier	Equipped

FUEL TANK

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



FC 1018

Cab, Instrumentation & Chassis

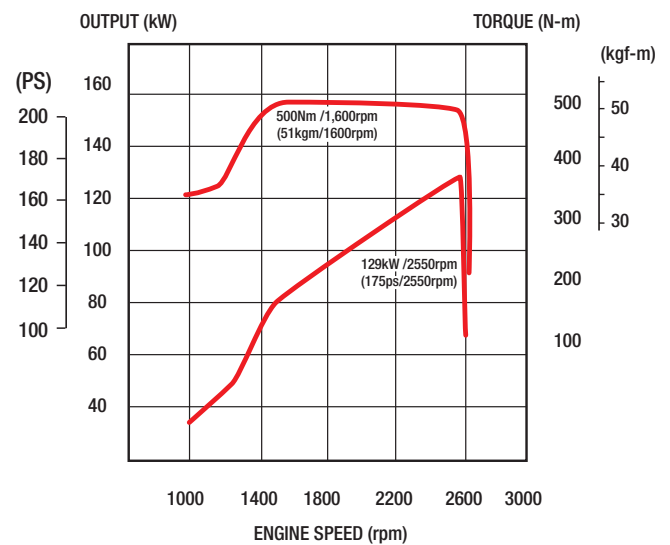
CAB DETAILS

Type	Forward control, all-steel construction with torsion bar tilt mechanism
Seating capacity	Three
Driver's seat	Urethane foam pads, high-back, 4-way adjustable seat with fabric cover & air suspension
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	Inside: One, flat type Outside: Two flat type, two convex spotters
Cigarette lighter 24V	Equipped
Floor mat	Vinyl type
Central locking	Equipped
Heater and defroster	Standard
Air conditioner	Standard
Trim	Full trim type (side, roof & back)
Cab pockets	Door & A Seat
Power windows	Equipped
Car audio	AM/FM radio with CD player
Speakers	Driver & passenger sides
Foot rest	Equipped
Easy Start	Equipped
Cup holder	Equipped

ELECTRICAL

Type	24V, negative earth
Batteries	2 x 12V, series connection. Capacity 432 KC (120A) at 20-hour rate
Alternator type	Brushless with built-in rectifier and voltage regulator. Capacity 24V, 60A
Starter type	24V, 4.5kW
Headlamps	Semi-sealed beam, halogen type 2-head lamps
High/low beam	Equipped
Fluorescent reading lamp	Equipped
Electric horn	Equipped

POWER & TORQUE CHART (ISO Net)



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
- Warning, pilot lamps & buzzers**
 - Oil pressure warning lamp & buzzer
 - Air pressure warning lamp & buzzer
- Others**
 - 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
 - Idle up control knob
 - Horn button

STEERING

Type	Telescopic & tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio	18.6:1

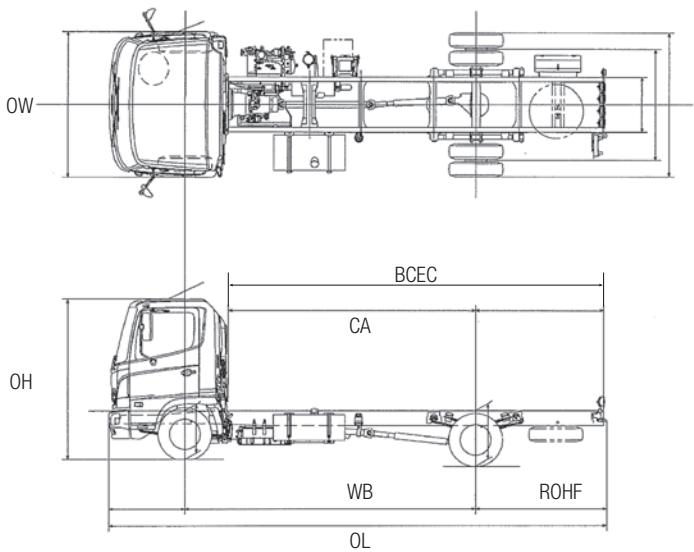
CHASSIS FRAME

Type	Ladder-shaped channel-section side rails
Rear chassis width	820mm
Max. section (depth x flange x thickness)	228.6 x 73 x 5.3mm
Tensile strength	540N/mm ² {55kgf/mm ² }
Hooks	Equipped for front & rear



500

FC 1018 Dimensions



DIMENSIONS - mm / Capacities

Model HINO FC 1018	Medium
Production code	FC6JKA
Wheelbase (WB)	4350
Overall length (OL)	7490
Overall width (OW)	2175
Overall height (OH)	2465
Cab to rear axle centre (CA)	3725
Rear overhang (at frame end) (ROHF)	1995
Back of Cab to End of Chassis (BCEC)	5720
Front chassis height (HF)	790
Rear chassis height (HR)	885
Road clearance (at diff. case) (RC)	220
Front track (FT)	1770
Rear track (RT)	1660
Turning circle kerb to kerb	13,800
Turning circle wall to wall	15,200
Chassis mass – kg (with 50 litres of fuel, all seats occupied, standard tools but without spare tyre)	
Total	3020
Front	1985
Rear	1035
GVM	10,400
GCM	15,000

WARRANTY

New vehicle warranty period - Refer to Hino Truck Warranty for detailed information.

Medium Duty Model	500 FC 1018
Cab & Chassis	* 24 months or 100,000km
Engine & Powerlines	* 36 months or 150,000km

* whichever occurs first.



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