



# 500

# FC 1018 Dump



4 x 2 Dump

## KEY FEATURES

- Factory 3.6m<sup>3</sup> Dump Body
- Cruise Control
- ABS Brakes
- Brake lock System

## KEY SPECIFICATIONS

- GVM.** . . . . . 10,400kg
- GCM.** . . . . . 15,000kg
- Power** . . . . . 129kW (180PS) @ 2550rpm
- Torque.** . . . . . 500Nm @ 1600rpm
- Transmission** . . . . . Six-speed synchromesh
- Wheelbase** . . . . . 3420mm (Compact), 3850mm (Short)





# FC 1018 Dump

FC6JEKM-NNN Compact Dump  
FC6JGKA-NNN Short Dump

## 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 (51kgf/m) at 1600rpm  |
| (JIS GROSS)           | 510Nm (51kgf/m) 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 | Cable with power shift  |

|     |        |      |        |
|-----|--------|------|--------|
| 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 17.5 tyre

|                                     |          |         |
|-------------------------------------|----------|---------|
|                                     | Compact  | Short   |
| Max theoretical speed (km/h)        | 103      | 110     |
| Gradeability tan $\theta$ (%) @ GVM | 37.7     | 34.7    |
| Rear axle ratio                     | 3.9:1    | 3.636:1 |
| 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<br>Rear: 320 x 145mm   |
| Air dryer              | Equipped  |
| ABS                    | Equipped  |
| Brake lock system      | 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 | 3.900:1 (Compact)   | 3.636:1 (Short) |

### 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     | 900mm 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          | 235/75 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 Dump

## Cab, Instrumentation & Chassis

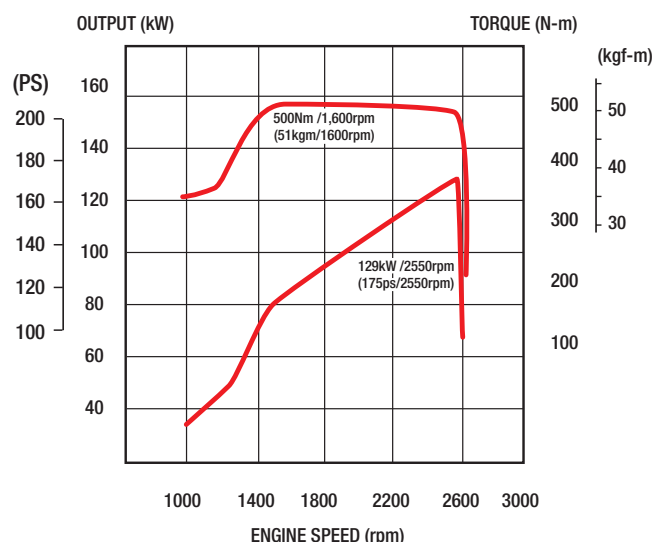
### CAB DETAILS

|   |   |
|---|---|
| Type . . . . .                            | Forward control, all-steel construction with torsion bar tilt mechanism                       |
| Seating capacity . . . . .                | Three   |
| Driver's seat . . . . .                   | Urethane foam pads, high-back, four-way adjustable seat with fabric cover & air suspension    |
| Side passenger's seat . . . . .           | Urethane foam pads, high-back and reclining seat with fabric cover and under-tray             |
| Centre passenger's seat . . . . .         | Urethane foam pads & foldaway type with seat-back tray and fabric cover                       |
| Seat belt . . . . .                       | Three-point type on driver's & side passenger's seat, 2-point type on centre passenger's seat |
| Sun visor & overhead console . . . . .    | For driver & passenger sides  |
| Windshield wipers . . . . .               | Electric, dual, intermittent and 2-speed  |
| Ventilator . . . . .                      | Forced type by electric blower  |
| Rear view mirrors . . . . .               | Inside: One flat<br>Outside: Two flat, two convex spotters                                    |
| Cigarette lighter (24V) . . . . .         | Equipped  |
| Floor mat . . . . .                       | Vinyl type  |
| Central locking & keyless entry . . . . . | Equipped  |
| Heater & defroster . . . . .              | Standard  |
| Air conditioner . . . . .                 | Standard  |
| Trim . . . . .                            | Full trim type (side, roof and back)  |
| Cab pockets . . . . .                     | Equipped on both door sides   |
| Power windows . . . . .                   | Equipped  |
| Car audio . . . . .                       | AM/FM radio   |
| Speakers . . . . .                        | Driver & passenger sides  |
| Foot rest . . . . .                       | 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 . . . . .                | 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
- Warning, pilot lamps & buzzers**
  - Oil pressure warning lamp & buzzer
  - Air pressure warning lamp & buzzer
  - Engine over-run warning buzzer
- Others**
  - 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
  - 12V electric source (harness type)
  - PTO Engagement switch
  - Dump control Raise / Hold & Lower lever

### STEERING

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

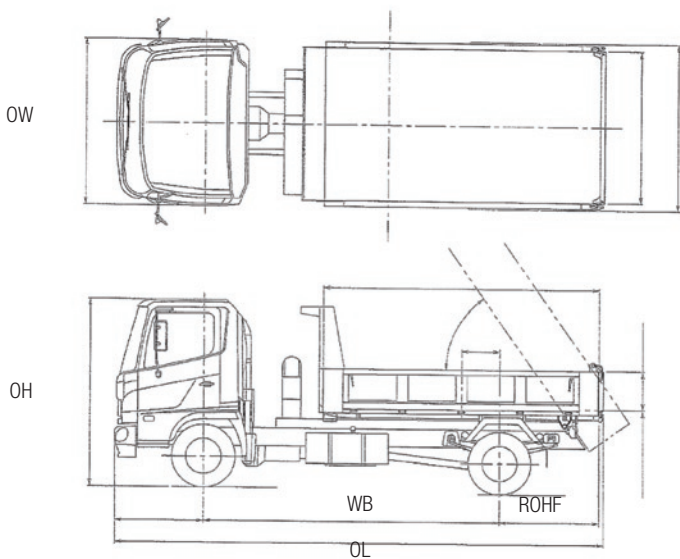
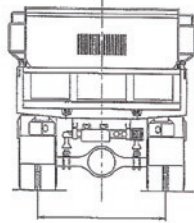
### CHASSIS FRAME

|   |   |
|---|---|
| Type . . . . .                                      | Ladder-shaped channel-section side rails      |
| Rear chassis width . . . . .                        | 820mm   |
| Max. section (depth x flange x thickness) . . . . . | 229.4 x 78 x 5.7mm (for Mixer)                |
| Tensile strength . . . . .                          | 540N/mm <sup>2</sup> {55kgf/mm <sup>2</sup> } |
| Hooks . . . . .                                     | Equipped for front & rear                     |



# 500

## FC 1018 Dump Dimensions



### DIMENSIONS - mm / Capacities

|  |                           |                   |
|--|---------------------------|-------------------|
| <b>Model</b> HINO FC 1018  | Compact                   | Short             |
| Production code  | FC6JEKM                   | FC6JGKA           |
| Wheelbase (WB)   | 3420                      | 3850              |
| Overall length (OL)  | 5900                      | 6330              |
| Overall width (OW)   | 2190                      | 2190              |
| Overall height (OH)  | 2460                      | 2460              |
| Road clearance (at diff. case) (RC)  | 220                       | 220               |
| Front track (FT)   | 1770                      | 1770              |
| Rear track (RT)  | 1660                      | 1660              |
| Turning circle kerb to kerb  | 11,000                    | 12,200            |
| Turning circle wall to wall  | 12,400                    | 13,600            |
| Dump Volume  | 3.6m <sup>3</sup>         | 3.6m <sup>3</sup> |
| Tipping angle  | 55°                       | 55°               |
| Internal measurements (L x W x H)  | 3500 x 2000 x 510         |                   |
| Two way gate (Compact & Short)   | Hinging from top & bottom |                   |
| <b>Chassis mass – kg</b> (with 50 litres of fuel, standard tools but without spare tyre) |                           |                   |
| Total  | 4220                      | 4275              |
| Front  | 2211                      | 2218              |
| Rear   | 2009                      | 2157              |
| GVM  | 10,400                    | 10,400            |
| GCM  | 15,000                    | 15,000            |

### WARRANTY

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

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

\* whichever occurs first.



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