

# HINO 145

**4 x 2 CONVENTIONAL**

**GVW: 14,050 lbs.**

**BBC: 98"**

**Engine Model: J05D-TF (Turbo Intercooled)**

## 2009 SPECIFICATIONS

DIMENSIONS (On standard specification)					
Wheelbase/Code	A in.	147.0/F	169.0/J	183.0/K	201.0/M
Overall length	B in.	244.6	266.6	292.6	310.6
Overall width	C in.	89.6	89.6	89.6	89.6
Overall height	D in.	100.4	100.4	100.4	100.4
Cab to axle	E in.	83.6	105.6	119.6	137.6
Rear overhang	F in.	63.0	63.0	75.0	75.0
Frame height at:					
Front axle	G in.	29.1	29.1	29.1	29.1
Rear axle	H in.	33.1	33.1	33.1	33.1
Road clearance (at front axle)	J in.	6.3	6.3	6.3	6.3
Tread:					
Front	K in.	73.6	73.6	73.6	73.6
Rear	L in.	71.1	71.1	71.1	71.1
Turning radius:					
Tire	ft.	40.6	46	49.4	53.8
Wall to wall	ft.	43.6	49	52.4	56.8

CHASSIS WEIGHTS (On standard specification)						
	Total weight	lb.	6,790	6,880	6,930	6,980
AT	Front axle	lb.	4,530	4,620	4,670	4,720
	Rear axle	lb.	2,260	2,260	2,260	2,260

## ENGINE

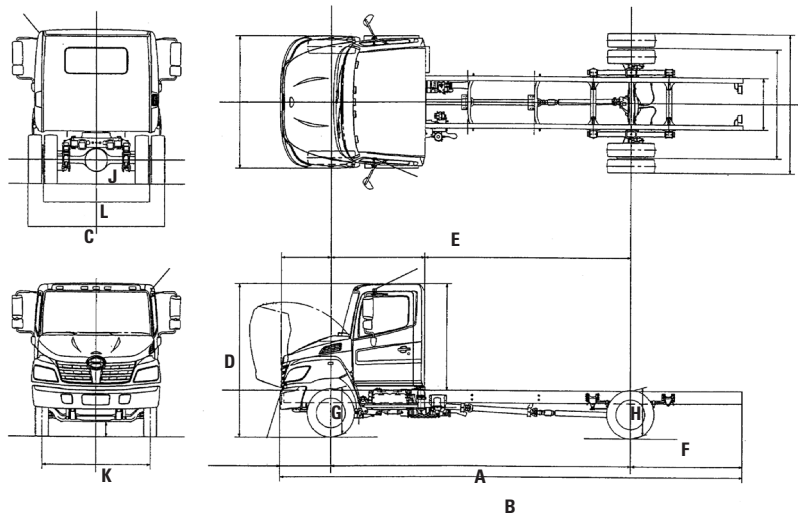
Model	HINO J05D-TF
Type	Diesel 4-cy., 4-cyl. in-line, water-cooled
Combustion system	Direct injection type
Max. output (SAE Gross)	175HP at 2,500 rpm
Max. torque (SAE Gross)	376 lb.-ft. at 1,600 rpm
Bore and stroke	4.41 x 4.72 in.
Piston displacement	4.730L
Fuel injection pump	Radial plunger pump (HP-3)
Governor	Electronically controlled
Intake system	Turbocharged and intercooled
Air cleaner	Paper filter type (Donaldson)
Fan clutch	Bimetal thermo-stat sensor regulates fan speed
Glow plugs	Standard
Air compressor	Single cylinder, 6.8 cfm @ 1,250 rpm

## POWERTRAIN AND PERFORMANCE

14,050 lbs. GVW and 215-85R16 tires		
Max. speed mph	78	
Startability (tan.θ) %	57.6	
Transmission	Model	Aisin 450-43LE
	Type	Four-speed automatic
Ratios	1st.	3.018
	2nd.	1.548
	3rd.	1.000
	4th.	0.703
	5th.	-
	Rev.	2.678
Rear axle gear ratios	4.780	

## ROADSIDE ASSISTANCE

HinoWatch (service free of charge)	3-year unlimited roadside assistance
	<ul style="list-style-type: none"> <li>• Lockout</li> <li>• Out of Fuel</li> <li>• Battery Jumpstart</li> <li>• Information</li> <li>• Warranty Towing</li> </ul>



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## WEIGHT CAPACITIES

Front axle	lbs.	5,360
Rear axle	lbs.	9,880
Front spring	lbs.	6,000
Rear spring	lbs.	11,000

## LIQUID CAPACITIES

Fuel tank	gal.	35
Cooling system	gal.	5.16
Engine oil	qt.	10.73

## AXLE/SUSPENSION

Front axle	MFS6 series reversed Elliot, "1" beam
Front spring	Taper-leaf springs shock absorbers
Rear axle	MS113 series Full-floating, single reduction Single-speed by hypoid gearings
Rear spring	Semi-elliptic main and auxiliary helper-leaf spring

## FRAME

Ladder type		Straight C Channel
Width	in.	34
Yield strength	PSI	80,000
Resisting bending moment (one side)	in.-lbs.	655,100 no reinforcement

## STEERING

Steering column adjustability	Tilt and telescopic with lock
Steering system	TRW recirculating ball, with hydraulic booster, integral type

## WHEELS/TIRES

6 Wheels	16 x 6k 6-stud disc.
Wheel style	Steel, painted
6 Tires	215/85R16
Tire brand and pattern	Bridgestone Fr-rib Rr-lug type

## BRAKES

Service brake	Hydraulic system with disc brake for front and rear wheels, with automatic adjustment
Disc diameter x pad area x thickness (in.)	Front; 11.97 x 17.05 x 0.61 Rear; 11.97 x 17.05 x 0.61
Control	Hydraulic dual circuit with Antilock Brake System(ABS)
Parking brake	Mechanical, internal expanding acting on transmission output shaft
Drum diameter (in.)	10 : Meritor
Exhaust brake	Electric-pneumatic with valve in exhaust pipe

## CAB EQUIPMENT

Cab construction	All steel welded
Seating capacity	Three
Driver's seat	Adjustable reclining, covered with vinyl with coil suspension
Passenger's seat	Bench type, covered with vinyl
Seat belts	3-point type (driver and passenger), one 2-point type (center)
Air conditioning	Standard
Heater/Defroster	18,357 BTU/h
Mirrors, outside rearview	Four, 1-flat and 1-convex at each side
Sun visors	Two
Over-head consoles	Two
Ventilator	Electric forced air
Windshield	Laminated
Windshield wipers	Dual electric, 2-speed and intermittent
Cup holders	Two at center cluster
Cigarette lighter	Equipped
Speakers	Two for front
Coat hook	One (rear panel)
Door pockets	Two
Cruise control	Standard

## DASH INSTRUMENTATION

Meters and gauges ft. lb. system
Speedometer-mph (km/h)
Odometer (mile)
Fuel gauge
Coolant temperature gauge
Engine tachometer
Warning and pilot lamps and buzzers
Oil pressure warning lamp and buzzer
Brake pressure warning lamp and buzzer
Coolant level warning lamp and buzzer
Battery charging warning lamp
High beam indicator lamp
Turn signal pilot lamp
Parking brake warning lamp
Engine control system warning lamp
ABS warning lamp
Driver Information Display
Instant and trip fuel consumption
DPR monitor
Maintenance
Engine/vehicle diagnostics

## ELECTRICAL EQUIPMENT

Batteries	Two, parallel connection, each 12 V
Capacity	1200 CCA
Alternator	12 V, 100 A, brush Delco
Starter	12 V, 2.5 kW Denso
Car audio	AM/FM radio with CD
Headlamps	Daylight running - integrated with turn signal and hazard lamps
Identification lamps (front)	
Stop/Tail lamps	
Back-up lamps	
Side-flasher lamp	
Front side marker lamps	
Trucklite LED marker lamps (front)	
Electric horn (dual)	

## CHASSIS EQUIPMENT

Radiator grille	Chrome
Fuel tank	Aluminum
Fuel pre-filter	Pre-filter (dust) and sediment (water)
Reflectors	Two rear, two front side
Tow hook	One at front
Air dryer	NABCO, heated
Air tank	49L

## CAB CONFIGURATION OPTIONS

Extended cab	30" cab extension, available with full-width bench seat or 26" day bunk
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## OPTIONAL EQUIPMENT

Alternator - 12 V, 105 A, brushless
Battery - Three parallel connection each 12 V (80 AH)
Bumper, front - Black and 4 inch extension
Bumper, front - White and 4 inch extension
Bumper, front - Chrome and 4 inch extension
Bumper, front - Chrome (available with one or two tow hooks)
Cold weather package - Heated mirrors (available in chrome) - Engine block heater
Engine block heater
Mirrors, outside rearview - Heated with marker light
Mirrors, outside rearview - Chrome
Mirrors, outside rearview - Chrome, heated with marker light
Power windows and power door locks
Seat - Driver's seat with air suspension
Seats - Vinyl with reclining single person passenger seat
Seats - Fabric with reclining single person passenger seat
Seats - Fabric with two person bench seat
Seating capacity - Two or three person
Shock absorbers, rear
Stabilizer, front - With shock absorber
Tire pattern - Rib on rear
Tow Hooks - Two at front
Engine idle throttle knob - Removed
Exhaust brake - Disengage

## NOTE:

All specifications of the products are with normal manufacturing allowances and tolerances. HINO MOTORS SALES U.S.A., INC. reserves the right to alter specifications at any time without previous notice. Some optional items of equipment may require extra time due to the need for their adaptation on the product line.

# HINO 165

**4 x 2 CONVENTIONAL**

**GVW: 16,000 lbs.**

**BBC: 98"**

**Engine Model: J05D-TF (Turbo Intercooled)**

## 2009 SPECIFICATIONS

DIMENSIONS (On standard specification)					
Wheelbase/Code	A in.	147.0/F	169.0/J	183.0/K	201.0/M
Overall length	B in.	244.6	266.6	292.6	310.6
Overall width	C in.	90.4	90.4	90.4	90.4
Overall height	D in.	101.4	101.4	101.4	101.4
Cab to axle	E in.	83.6	105.6	119.6	137.6
Rear overhang	F in.	63.0	63.0	75.0	75.0
Frame height at:	G in.	30.1	30.1	30.1	30.1
	H in.	34.1	34.1	34.1	34.1
Road clearance (at front axle)	J in.	7.1	7.1	7.1	7.1
Tread:	K in.	72.8	72.8	72.8	72.8
	L in.	71.1	71.1	71.1	71.1
Turning radius:	ft.	40.6	46.0	49.4	53.8
	ft.	43.4	48.8	52.2	56.6

CHASSIS WEIGHTS (On standard specification)						
MT	Total weight	lb.	7,100	7,200	7,240	7,290
	Front axle	lb.	4,665	4,785	4,825	4,900
	Rear axle	lb.	2,435	2,415	2,415	2,390
AT	Total weight	lb.	7,190	7,280	7,330	7,370
	Front axle	lb.	4,745	4,855	4,905	4,965
	Rear axle	lb.	2,445	2,425	2,425	2,405

## ENGINE

Model	HINO J05D-TF
Type	Diesel 4-cy., 4-cyl. in-line, water-cooled
Combustion system	Direct injection type
Max. output (SAE Gross)	175HP at 2,500 rpm
Max. torque (SAE Gross)	376 lb.-ft. at 1,600 rpm
Bore and stroke	4.41 x 4.72 in.
Piston displacement	4.730L
Fuel injection pump	Radial plunger pump (HP-3)
Governor	Electronically controlled
Intake system	Turbocharged and intercooled
Air cleaner	Paper filter type (Donaldson)
Fan clutch	Bimetal thermostat sensor regulates fan speed
Glow plugs	Standard
Air compressor	Single cylinder, 6.8 cfm @ 1,250 rpm

## POWERTRAIN AND PERFORMANCE

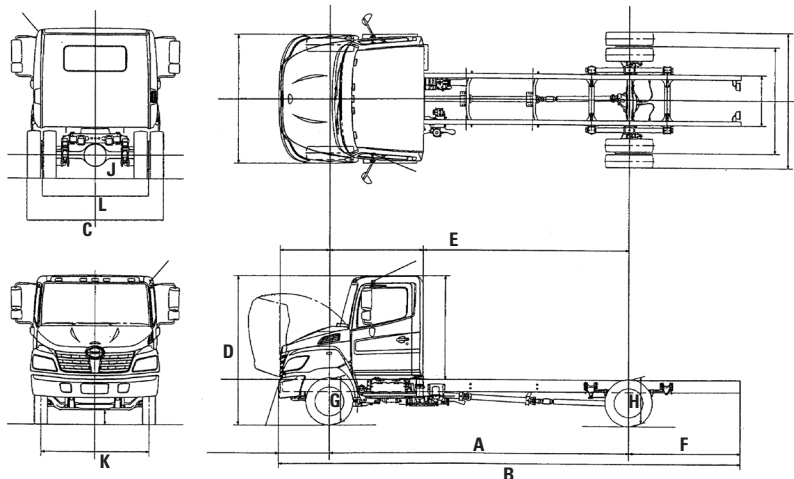
16,000 lbs. GVW and 225-70R19.5 tires

Powertrain	<input type="checkbox"/> STD.	<input type="checkbox"/> OPT.	<input type="checkbox"/> OPT.
Max. speed mph	78	75*	71*
Startability (tan.θ) %	54.2	56.3	60.0
Transmission Model	Eaton FS4205A	Allison 1000HS/RDS	
Type	Five-speed direct drive synchromesh 2nd-5th	Six-speed automatic	
Ratios	1st.	8.052	3.102
	2nd.	4.352	1.811
	3rd.	2.448	1.406
	4th.	1.476	1.000
	5th.	1.000	0.712
	6th.	—	0.610
Rev.	8.052	4.492	
Rear axle gear ratios	3.580	4.780	5.130

(\*) Maximum speed is limited with speed limiter

## ROADSIDE ASSISTANCE

HinoWatch (service free of charge)	3-year unlimited roadside assistance <ul style="list-style-type: none"> <li>• Lockout</li> <li>• Out of Fuel</li> <li>• Battery Jumpstart</li> <li>• Information</li> <li>• Warranty Towing</li> </ul>
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# HINO 165

**4 x 2 CONVENTIONAL**  
**GVW:** 16,000 lbs.  
**BBC:** 98"  
**Engine Model:** J05D-TF (Turbo Intercooled)

**SPEC NO.** SS-NB011  
**FORM NO.** HSS165 0708

## WEIGHT CAPACITIES

Front axle	lbs.	6,250
Rear axle	lbs.	11,000
Front spring	lbs.	6,000
Rear spring	lbs.	12,000

## LIQUID CAPACITIES

Fuel tank	gal.	35
Cooling system	gal.	5.29 : Eaton FS4205A 5.16 : Allison 1000HS
Engine oil	qt.	10.73

## AXLE/SUSPENSION

Front axle	MFS-6 series reversed Elliot, "I" beam
Front spring	Taper-leaf springs shock absorbers
Rear axle	MS113 series Full-floating, single reduction Single-speed by hypoid gearings
Rear spring	Semi-elliptic main and auxiliary helper-leaf spring

## FRAME

Ladder type		Straight C Channel
Width	in.	34
Yield strength	PSI	80,000
Resisting bending moment (one side)	in.-lbs.	655,100 no reinforcement

## STEERING

Steering column	Tilt and telescopic with lock adjustability
Steering system	TRW recirculating ball, with hydraulic booster, integral type

## CLUTCH

Type	Dry single plate with damper springs Eaton-Spicer AR350 series
Facing material	Cerametallic
Facing outside (in.)	13.8
Control	Hydraulic

## WHEELS/TIRES

6 Wheels	19.5 x 6.00RW 8-stud disc.
Wheel style	Steel, powder coated
6 Tires	225/70R19.5(F)
Tire brand and pattern	Bridgestone Fr-rib Rr-lug type

## BRAKES

Service brake	Hydraulic system with disc brake for front and rear wheels, with automatic adjustment
Disc diameter x pad area x thickness (in.)	Front: 12.756 x 17.05 x 0.61 Rear: 12.756 x 17.05 x 0.61
Control	Hydraulic dual circuit with Antilock Brake System(ABS)
Parking brake	Mechanical, internal expanding acting on transmission output shaft
Drum diameter (in.)	10 : Meritor (Auto) 9 : Bosch (Manual)
Exhaust brake	Electric-pneumatic with valve in exhaust pipe

## CAB EQUIPMENT

Cab construction	All steel welded
Seating capacity	Three
Driver's seat	Adjustable reclining, covered with vinyl with coil suspension
Passenger's seat	Bench type, covered with vinyl
Seat belts	3-point type (driver and passenger), one 2-point type (center)
Air conditioning	Standard
Heater/Defroster	18,357 BTU/h
Mirrors, outside rearview	Four, 1-flat and 1-convex at each side
Sun visors	Two
Over-head consoles	Two
Ventilator	Electric forced air
Windshield	Laminated
Windshield wipers	Dual electric, 2-speed and intermittent
Cup holders	Two at center cluster (Single)-for MT, (Dual)-for AT
Cigarette lighter	Equipped
Speakers	Two for front
Coat hook	One (rear panel)
Door pockets	Two
Cruise control	Standard

## DASH INSTRUMENTATION

Meters and gauges ft. lb. system
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Reflectors	Two rear, two front side
Tow hook	One at front
Air dryer	NABCO, heated
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Power windows and power door locks
Seat - Driver's seat with air suspension
Seats - Vinyl with reclining single person passenger seat
Seats - Fabric with reclining single person passenger seat
Seats - Fabric with two person bench seat
Seating capacity - Two or three person
Shock absorbers, rear
Stabilizer, front - With shock absorber
Tire pattern - Rib on rear
Tow hooks - Two at front
Transmission, automatic - Allison 1000 HS (rear axle ratio 4.78)
Transmission, automatic - Allison 1000 RDS with PTO drive gear (rear axle ratio 5.13)
Wheels - Alcoa polished aluminum (inner rear wheels are steel)
Engine idle throttle knob - Removed
Exhaust brake - Disengage

## NOTE:

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