

2012 HINO 338

4 x 2 CONVENTIONAL GVW: 33,000 LBS. BBC: 108" ENGINE MODEL: J08E-VB (TURBO INTERCOOLED)



A Toyota Group Company

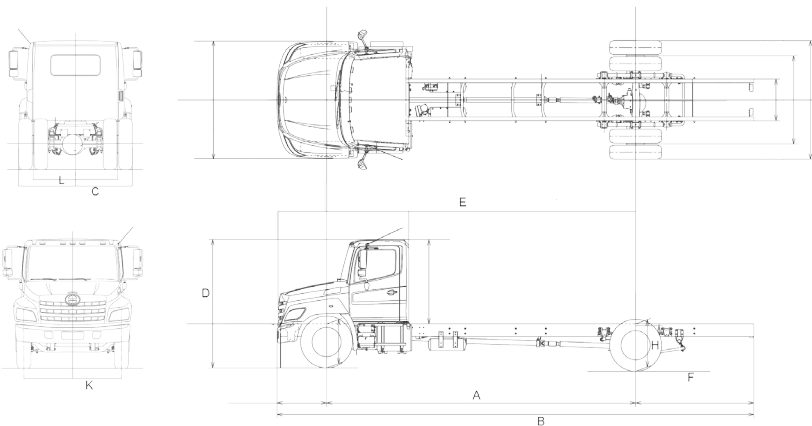


DIMENSIONS

Wheelbase	A in.	152/G	175/J	187/L	205/M	217/P	235.R	253/T	271/V
Overall length	B in.	242.6	278.6	302.6	320.6	354.6	372.6	390.6	390.6
Overall width	C in.	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
Overall height	D in.	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9
Cab to axle	E in.	84.6	107.6	119.6	137.6	149.6	167.6	185.6	203.6
Rear overhang	F in.	50.0	63.0	75.0	75.0	97.0	97.0	97.0	79.0
Frame height at									
Front axle	G in.	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
Rear axle	H in.	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Road clearance (at diff. axle)	J in.	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
Tread									
Front	K in.	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
Rear	L in.	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
Turning radius									
Curb to Curb	ft.	42.0	47.5	50.5	54.8	57.7	62.1	66.4	70.8
Wall to Wall	ft.	45.4	50.9	53.9	58.2	61.1	65.5	69.8	74.2

CHASSIS WEIGHTS

AT	Total weight	lb.	10,670	10,770	10,850	11,020	11,110	11,190	11,220	11,290
	Front axle	lb.	6,380	6,635	6,705	6,855	6,865	6,970	7,020	7,145
	Rear axle	lb.	4,290	4,135	4,145	4,165	4,245	4,220	4,200	4,145



ENGINE

Model	J08E-VB
Type	Diesel 4-cycle, 6-cylinder in-line water-cooled, dry cylinder line
Combustion system	Direct injection type
Max. output (SAE Gross)	260HP at 2,500 rpm
Max. torque (SAE Gross)	660 lb.-ft. at 1,500 rpm
Bore and stroke	4.41 x 5.12 in.
Piston displacement	8L
Fuel injection system	Common Rail (HP-4)
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, 10.3 cfm @ 1,250 rpm

POWERTRAIN AND PERFORMANCE

33,000 lbs. GVW											
Powertrain	STD	OPT					OPT				
Max. speed mph	78	89	82	74	70	75	85	78	71	68	
Startability (tan.θ) %	39.6	33.9	37.2	42.0	44.5	57.7	48.5	53.8	60.0	60.0	
Transmission	Model	Allison 2500RDS with Shift Energy Management					Allison 3000 RDS				
	Type	Six-speed automatic					Six-speed automatic				
Ratios	1st	3.515					3.487				
	2nd	1.896					1.864				
	3rd	1.439					1.409				
	4th	1.000					1.000				
	5th	0.737					0.750				
	6th	0.640					0.650				
	Rev	5.086					5.027				
Rear axle gear ratios	21K Axle	5.57	4.88	5.29	5.86	6.14	5.57	4.88	5.29	5.86	6.14
	23K Axle	-	-	5.38	5.63	6.14	-	-	5.38	5.63	6.14
Tires (standard)	11R22.5-14										

* Max speed is limited by speed limiter.

HINOWATCH (service free of charge)

- 3 year unlimited roadside assistance
- Lockout Service
- Battery Jumpstart
- Information
- Warranty Towing (2 year coverage)

"HIGHEST IN CUSTOMER SATISFACTION WITH CONVENTIONAL MEDIUM DUTY ENGINES, THREE YEARS IN A ROW." AND "HIGHEST IN CUSTOMER SATISFACTION WITH CONVENTIONAL MEDIUM DUTY TRUCKS."

1. Hino received the highest numerical score among conventional medium duty engines and transmissions in the proprietary J.D. Power and Associates 2008-2010 Medium Duty Truck Engine and Transmission Customer Satisfaction Study™. Study based on responses from 1,255 responses measuring 5 manufacturers. Survey was of primary maintainers and owner operators and measures opinions of primary maintainers of two-year-old (by model year) Medium Duty (Class 5, 6, and 7) trucks. Proprietary study results are based on experiences and perceptions of consumer surveyed in June-August 2010. Your experiences may vary. Visit jdpower.com.
2. Hino received the highest numerical score among conventional medium duty trucks in the proprietary J.D. Power and Associates 2010 Medium Duty Truck Engine and Transmission Customer Satisfaction Study™. Study based on responses from 1,258 responses measuring 8 manufacturers. Survey was of primary maintainers and owner operators and measures opinions of primary maintainers of their new Medium Duty (Class 5, 6, and 7) trucks (2009 model year). Proprietary study results are based on experiences and perceptions of consumer surveyed in June-August 2010. Your experiences may vary. Visit jdpower.com.



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WEIGHT CAPACITIES

Front axle	lbs.	12,000
Front axle (option)	lbs.	10,000
Front axle (option)	lbs.	14,000
Rear axle	lbs.	21,000
Rear axle (option)	lbs.	23,000
Front spring	lbs.	12,000
Rear spring	lbs.	21,000

LIQUID CAPACITIES

Fuel tank	gal.	52
Cooling system	gal.	6.6: Allison 2500RDS
Engine oil	qt.	16.2
DEF tank	gal.	4.7

AXLE / SUSPENSION

Front axle	MFS-12 series reversed Elliot, "I" beam with 12,000 lb (oil lubricated type)
Front spring	Taper-leaf springs shock absorber
Rear axle	RS21-145 series, full-floating, single reduction, single-speed by hypoid gearings
Rear spring	Semi-elliptic main and optional 4,500 auxiliary rubber rear spring (available on 23K rear axle option)

FRAME

Ladder type		Straight C Channel
Width	in.	34
Yield strength	PSI	80,000
Resisting bending moment (one side)	in.-lbs.	1,280,000 (no reinforcement)

STEERING

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

WHEELS / TIRES

6 Wheels	22.5 x 8.25 10-stud disc.
Wheel style	Steel, powder coated
6 Tires	11R22.5(G)
Tire pattern	Fr-rib Rr-lug type

BRAKES

Service brake	Full air, dual circuit, "S" cam type, leading & trailing shoes with automatic adjustment
Disc diameter x pad area (in.2) x thickness (in.)	Front (12K): 15 x 4 x 0.73 Front (14K): 16.5 x 5 x 0.73 Rear: 16.5 x 7 x 0.85
Control	Full air dual circuit with Antilock Brake System (ABS)
Parking brake	Spring brake acting on rear wheels
Exhaust brake	Electric-pneumatic with valve in exhaust pipe

CHASSIS EQUIPMENT

Radiator grille	Chrome
Fuel tank	Aluminum
Fuel pre-filter	Heated pre-filter (dust) and sedimenter (water)
Reflectors	Two rear, two front side
Tow hook	One at front
Air dryer	Bendix, heated
Air tank	68L

CAB EQUIPMENT

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

DASH INSTRUMENTATION

Meters and gauges ft. lb. system	
Speedometer-mph (km/h)	
Odometer (mile)	
Fuel gauge / DEF gauge	
Coolant temperature gauge	
Engine tachometer	
Warning and pilot lamps and buzzers/audio	
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	
DEF quantity and quality audio	
Driver Information Display (multilingual)	
Instant and trip fuel consumption	
DPR monitor	
Maintenance	
Engine/vehicle diagnostics	

ELECTRICAL EQUIPMENT

Batteries	Two, parallel connection, each 12V
Capacity	1200 CCA
Alternator	12 V, 130 A, brush Delco
Starter	12 V, 4.0 kW Denso
Stereo	AM/FM radio with CD
Headlamps	Daytime running
Back-up lamps	
Dome lamp	
Electric horn (dual)	
Front side marker lamps	
Side-flasher lamp	
Stop/Tail lamps	
Trucklite LED marker lamps (front)	

CAB CONFIGURATION OPTIONS

Extended Cab	30" cab extension, available with full width bench seat or 26" day bunk
Clean Chassis CA	Standard with 50 gal fuel tank mounted under cab (driver side)
Right hand drive, dual-steer sit down	Driver controls mounted on both sides of cab

OPTIONAL EQUIPMENT

Air horn	
Air ride suspension - Hendrickson	
Air ride suspension dump valve - Electric	
Alternator - 12 V, 135 A, brushless Delco	
Anti-Siphon device insert in fuel tank	
Back-up aid alarm	
Battery - Absorbed glass mat 31 configuration, 1850 CCA	
Battery - Three parallel connection each 12 V (GR27x3)	
Battery - Two or three parallel connection each 12 V (GR31 type)	
Bumper, front - Black and 4 inch extension (available 3 piece)	
Bumper, front - White and 4 inch extension (available 3 piece)	
Bumper, front - White 3 piece (available with 1 or 2 tow hooks)	
Bumper, front - Chrome and 4 inch extension	
Bumper, front - Chrome (available with 1 or 2 tow hooks)	
Cab paint, exterior - Black or red (factory)	
Cab paint, exterior - Additional options available upon request	
Cold weather package	- Power heated mirrors (available in chrome) - Engine block heater
Differential lock with controls	
Engine block heater	
Engine idle shutdown	
Exhaust system - Vertical stack type	
Frame rail - 120,000 psi (34.1 frame width)	
Front frame extension - Stationary grille	
Fuel tank - Dual 52 gal	
Fuel tank - Single 95 gal.	
GVW Derate 25,950	
GVW 35,000 (available on 12K front, 23K rear axle)	
Keyed alike - Matching key codes	
Mirrors, fender - Chrome (both sides or passenger only)	
Mirrors, outside rearview - Chrome	
Mirrors, power heated (available in Chrome)	
Power windows and power door locks (available with keyless entry)	
Seats - Fabric with reclining single person passenger seat	
Seats - Vinyl with reclining single person passenger seat	
Seats - Fabric with two person bench seat	
Sears seat - Vinyl black or fabric black/silver (upgrade driver seat only or with passenger seat upgrade)	
Shock absorbers, rear	
Stabilizer, rear (leaf suspension only)	
Synthetic fluids - Auto transmission and rear differential	
Tire pattern - Rib on rear	
Tire size - 295/75R22.5-14(G) (available on 21K rear axle only)	
Transmission, automatic - Allison 3000 RDS	
Wheels - Alcoa polished aluminum	
Wheels - Powder coated gray	

NOTES

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 adaption on the product line.