

# 2020 HINO 338

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GVW: 33,000 LBS. BBC: 108"  
ENGINE MODEL: J08E-VB 260HP  
660 LB-FT TORQUE



## TRUCKS

A Toyota Group Company



HINO INSIGHT CONNECTED VEHICLE



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## TELEMATICS, CASE MANAGEMENT, REMOTE DIAGNOSTICS...**STANDARD.**

At Hino we're changing the way we support our vehicles and customers so that your business is first. From the moment you take delivery of your Hino Insight equipped connected vehicle, you're on the road to more uptime and lower operating costs. Combining Telematics, Remote Diagnostics and Case Management in one integrated platform, Hino Insight puts critical vehicle and driver management tools at your fingertips.



# 2020 HINO 338



| ENGINE                           |          |                                                                                          |      |             | FRAME                                                           |      |                                                                                                                                                                                    |        |      | WHY DRIVERS LOVE OUR TRUCKS                                                                                    |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
|----------------------------------|----------|------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----------------------------------------------------------------------------------------------------------------|--------|----------|-------------|------|---------------------------------------------------------------------|------|------|------|----------|------|------|------|--|--|
| Model                            |          | Hino J08E-VB                                                                             |      |             | Ladder type                                                     |      | Straight C channel                                                                                                                                                                 |        |      | Bluetooth AM/FM radio with CD player                                                                           |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Type                             |          | Diesel 4 cycle, 6-cylinder in-line water-cooled, dry cylinder liners                     |      |             | Width (in.)                                                     |      | 34                                                                                                                                                                                 |        |      | Air ride drivers seat                                                                                          |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Fuel System                      |          | Common rail, direct injection type (Denso)                                               |      |             | Yield strength (PSI)                                            |      | STD - 80,000    OPT 120,000                                                                                                                                                        |        |      | Air conditioning                                                                                               |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Max. output (SAE Gross)          |          | 260hp at 2,500 rpm                                                                       |      |             | Resisting bending moment (one side, no reinforcement) in. -lbs. |      | 1,031,900    1,933,200                                                                                                                                                             |        |      | Cruise control                                                                                                 |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Max. torque (SAE Gross)          |          | 660 lb.-ft. at 1,500 rpm                                                                 |      |             | CHASSIS EQUIPMENT                                               |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      | Tilt and telescopic steering wheel                                  |      |      |      |          |      |      |      |  |  |
| Displacement                     |          | 8L                                                                                       |      |             | Fuel Tank                                                       |      | STD 50 gallon<br>OPT Dual 50 gal./Single 70 gal./Single 95 gal.                                                                                                                    |        |      | 55 Degree wheel cut                                                                                            |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Bore and stroke                  |          | 4.41 x 5.12 in.                                                                          |      |             | DEF tank                                                        |      | 4.7 gal.                                                                                                                                                                           |        |      | 80 Degree door opening                                                                                         |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| WHEELS/TIRES/BRAKES              |          |                                                                                          |      |             | AXLE/SUSPENSION                                                 |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      | 4007 sq. in. windshield area                                        |      |      |      |          |      |      |      |  |  |
| 6 Wheels                         |          | STD Steel 22.5X8.25 10-stud disc powder coated white                                     |      |             | Front axle                                                      |      | MFS-12 series reverse Elliot, "I" beam (oil lubricated)                                                                                                                            |        |      | Exterior grab handle                                                                                           |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | OPT Powder coated gray, or Polished aluminum                                             |      |             | Front spring                                                    |      | Taper-leaf springs with shock absorbers                                                                                                                                            |        |      | WHY OWNERS LOVE OUR TRUCKS                                                                                     |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| 6 Tires                          |          | STD 11R22.5-14, Fr-Rib, Rr-All Season                                                    |      |             | Rear axle                                                       |      | MS21-14X, full floating, single reduction, single-speed, hypoid gearing<br>OPT RS23-160                                                                                            |        |      | <div><div>5 YEAR WARRANTY</div><div>HINOCARE</div><div>24/7 ASSISTANCE HINOWATCH</div><div>INSIGHT</div></div> |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | OPT 295/75R22.5-14, Fr-Rib, Rr-All Season (21k axle only)                                |      |             |                                                                 |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Service brake                    |          | Full air, dual circuit, "S" cam type, leading & trailing shoes with automatic adjustment |      |             | Rear Spring Suspension                                          |      | Spring Semi-elliptic main<br>OPT 4,500 lb. auxiliary rubber rear spring (23k axle only)                                                                                            |        |      | ENGINE WARRANTY                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Exhaust brake                    |          | Electric-pneumatic with valve in exhaust pipe                                            |      |             | Rear Air Suspension                                             |      | OPT Air ride suspension - Hendrickson Comfort Air<br>OPT Air ride suspension - Hendrickson 23k Severe Duty<br>OPT Air ride suspension - dump valve (electric), single & dual valve |        |      | STD - 5 years/250,000 miles<br>OPT - 7 years/150,000 miles                                                     |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Parking brake                    |          | Spring brake chamber (rear axle) with SR-7 emergency brake system                        |      |             |                                                                 |      |                                                                                                                                                                                    |        |      | HINOCARE    OPT - Preventive care extension                                                                    |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| ELECTRICAL EQUIPMENT             |          |                                                                                          |      |             | HINOWATCH    24/7 Roadside Assistance                           |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      | HINO INSIGHT                                                        |      |      |      |          |      |      |      |  |  |
| Batteries                        |          | STD Two, parallel connection, 1200 CCA (GR 31)                                           |      |             | Telematics by Verizon    STD 1 Year<br>OPT 3 & 5 Yr             |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | OPT Multiple two battery choices                                                         |      |             |                                                                 |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      | Remote Diagnostics    STD 5 Years<br>Case Management    STD 5 Years |      |      |      |          |      |      |      |  |  |
|                                  |          | OPT Multiple Three battery choices                                                       |      |             |                                                                 |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Alternator                       |          | STD 12V, 130A, Delco (brush)<br>OPT 12V, 135A (brushless)/180A (brush)/200A (brush)      |      |             | POPULAR OPTIONAL EQUIPMENT (partial list)                       |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Starter                          |          | Denso-12V, 4.8kW                                                                         |      |             | Allison Fuel Sense Plus / Max                                   |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| DIMENSIONS/WEIGHTS               |          |                                                                                          |      |             | Cab paint, exterior - custom (factory)                          |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Wheelbase (in.)                  |          | 152/G    175/J    187/L    205/M    217/P    235/R    253/T    271/V                     |      |             | Differential lock and controls                                  |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Cab to axle (in.)                |          | 84.6    107.6    119.6    137.6    149.6    167.6    185.6    203.6                      |      |             | Engine idle shutdown                                            |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Rear overhang (in.)              |          | 50    63    75    75    97    97    97    79                                             |      |             | Front frame extension and stationary grille                     |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Frame height at front axle (in.) |          | 36.2    36.2    36.2    36.2    36.2    36.2    36.2    36.3                             |      |             | GVW de-rate 25,950                                              |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Frame height at rear axle (in.)  |          | 41.7    41.9    42.0    41.9    42.2    42.1    42.0    41.7                             |      |             | Mirrors, fender mounted-chrome (both sides or passenger only)   |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Std. chassis weight (lbs.)       |          | 10,605    10,705    10,790    10,955    11,045    11,100    11,155    11,220             |      |             | Mirrors, outside rearview-chrome                                |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| POWERTRAIN AND PERFORMANCE       |          |                                                                                          |      |             | Mirrors-power heated (available in chrome)                      |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Transmission                     |          | Type    Allison Six speed automatic with Fuelsense 2.0                                   |      |             | Power windows and door locks (available with keyless entry)     |      |                                                                                                                                                                                    |        |      |                                                                                                                |        |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Ratios                           |          | Model                                                                                    |      | STD-2500RDS |                                                                 |      | OPT-2500HS                                                                                                                                                                         |        |      | OPT-3000RDS                                                                                                    |        |          | OPT-3500RDS |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | 1st                                                                                      |      | 3.51        |                                                                 |      |                                                                                                                                                                                    |        |      | 3.49                                                                                                           |        |          | 4.59        |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | 2nd                                                                                      |      | 1.90        |                                                                 |      |                                                                                                                                                                                    |        |      | 1.86                                                                                                           |        |          | 2.25        |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | 3rd                                                                                      |      | 1.44        |                                                                 |      |                                                                                                                                                                                    |        |      | 1.41                                                                                                           |        |          | 1.54        |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | 4th                                                                                      |      | 1           |                                                                 |      |                                                                                                                                                                                    |        |      | 1                                                                                                              |        |          | 1           |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | 5th                                                                                      |      | 0.74        |                                                                 |      |                                                                                                                                                                                    |        |      | 0.75                                                                                                           |        |          | 0.75        |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | 6th                                                                                      |      | 0.64        |                                                                 |      |                                                                                                                                                                                    |        |      | 0.65                                                                                                           |        |          | 0.65        |      |                                                                     |      |      |      |          |      |      |      |  |  |
|                                  |          | Rev.                                                                                     |      | -5.09       |                                                                 |      |                                                                                                                                                                                    |        |      | -5.03                                                                                                          |        |          | -5.00       |      |                                                                     |      |      |      |          |      |      |      |  |  |
| GVW (lbs.)                       |          | 33,000                                                                                   |      |             |                                                                 |      |                                                                                                                                                                                    | 33,000 |      |                                                                                                                | 33,000 |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| GCWR* (lbs.)                     |          | 33,000***                                                                                |      |             |                                                                 |      |                                                                                                                                                                                    | 49,000 |      |                                                                                                                | 49,000 |          |             |      |                                                                     |      |      |      |          |      |      |      |  |  |
| Rear Axle                        | 21k Axle | 4.88                                                                                     | 5.29 | -           | STD 5.57                                                        | -    | 5.86                                                                                                                                                                               | 6.14   | 4.88 | 5.29                                                                                                           | -      | STD 5.57 | -           | 5.86 | 6.14                                                                | 4.88 | 5.29 | -    | STD 5.57 | -    | 5.86 | 6.14 |  |  |
| Gear Ratios                      | 23k Axle | -                                                                                        | -    | 5.38        | -                                                               | 5.63 | -                                                                                                                                                                                  | 6.14   | -    | -                                                                                                              | 5.38   | -        | 5.63        | -    | 6.14                                                                | -    | -    | 5.38 | -        | 5.63 | -    | 6.14 |  |  |
| Gradeability (% of grade)        |          | 33.9                                                                                     | 37.2 | 37.9        | 39.5                                                            | 40   | 42                                                                                                                                                                                 | 44.5   | 48.5 | 53.8                                                                                                           | 55     | 57.6     | 58.5        | 60   | 60                                                                  | 55.5 | 60   | 60   | 60       | 60   | 60   | 60   |  |  |

| FRAME                                                           |                    |              |             |
|-----------------------------------------------------------------|--------------------|--------------|-------------|
| Ladder type                                                     | Straight C channel |              |             |
| Width (in.)                                                     | 34                 |              |             |
| Yield strength (PSI)                                            |                    | STD - 80,000 | OPT 120,000 |
| Resisting bending moment (one side, no reinforcement) in. -lbs. |                    | 1,031,900    | 1,933,200   |

| CHASSIS EQUIPMENT |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Fuel Tank         | STD 50 gallon<br>OPT Dual 50 gal./Single 70 gal./Single 95 gal. |
| DEF tank          | 4.7 gal.                                                        |

| AXLE/SUSPENSION        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| Front axle             | MFS-12 series reverse Elliot, "I" beam (oil lubricated)                 |
| Front spring           | Taper-leaf springs with shock absorbers                                 |
| Rear axle              | MS21-14X, full floating, single reduction, single-speed, hypoid gearing |
|                        | OPT RS23-160                                                            |
| Rear Spring Suspension | Spring Semi-elliptic main                                               |
|                        | OPT 4,500 lb. auxiliary rubber rear spring (23k axle only)              |
| Rear Air Suspension    | OPT Air ride suspension - Hendrickson Comfort Air                       |
|                        | OPT Air ride suspension - Hendrickson 23k Severe Duty                   |
|                        | OPT Air ride suspension - dump valve (electric), single & dual valve    |
|                        |                                                                         |

| WEIGHT CAPACITIES    |            |
|----------------------|------------|
| Front axle/susp lbs. | STD-12,000 |
|                      | OPT 10,000 |
|                      | OPT 13,200 |
|                      | OPT 14,000 |
| Rear axle/susp lbs.  | STD-21,000 |
|                      | OPT-23,000 |

| WHY DRIVERS LOVE OUR TRUCKS          |  |
|--------------------------------------|--|
| Bluetooth AM/FM radio with CD player |  |
| Air ride drivers seat                |  |
| Air conditioning                     |  |
| Cruise control                       |  |
| Tilt and telescopic steering wheel   |  |
| 55 Degree wheel cut                  |  |
| 80 Degree door opening               |  |
| 4007 sq. in. windshield area         |  |
| Exterior grab handle                 |  |

| WHY OWNERS LOVE OUR TRUCKS |                                 |
|----------------------------|---------------------------------|
| ENGINE WARRANTY            | STD - 5 years/250,000 miles     |
|                            | OPT - 7 years/150,000 miles     |
| HINOCARE                   | OPT - Preventive care extension |
| HINOWATCH                  | 24/7 Roadside Assistance        |
| HINO INSIGHT               | Telematics by Verizon           |
|                            | Remote Diagnostics              |
|                            | Case Management                 |
|                            |                                 |

| POPULAR OPTIONAL EQUIPMENT (partial list)                     |  |
|---------------------------------------------------------------|--|
| Allison Fuel Sense Plus / Max                                 |  |
| Cab paint, exterior - custom (factory)                        |  |
| Differential lock and controls                                |  |
| Engine idle shutdown                                          |  |
| Front frame extension and stationary grille                   |  |
| GVW de-rate 25,950                                            |  |
| Mirrors, fender mounted-chrome (both sides or passenger only) |  |
| Mirrors, outside rearview-chrome                              |  |
| Mirrors-power heated (available in chrome)                    |  |
| Power windows and door locks (available with keyless entry)   |  |
| Programmable speed limit 65,70 mph                            |  |
| Rear helper spring-sub leaf type                              |  |
| Stabilizer bar, rear (leaf suspension only)                   |  |
| Trailer brake package                                         |  |
| Battery disconnect & jump start station                       |  |