

2017

HINO 238

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A Toyota Group Company

GVW: 23,000 LBS. BBC: 108" ENGINE MODEL: HINO J08E-WU 230HP 520 LB- FT TORQUE
KEY VOCATIONS: MOVING, PICK-UP & DELIVERY, SANITATION



HINO INSIGHT CONNECTED VEHICLE



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ENGINE

Model	Hino J08E-WU
Type	Diesel 4 cycle, 6-cylinder in-line water-cooled, dry cylinder liners
Fuel System	Common rail, direct injection type (Denso)
Max. output (SAE Gross)	230hp at 2,500 rpm
Max. torque (SAE Gross)	520 lb.-ft. at 1,500 rpm
Engine displacement:	8L
Bore and stroke:	4.41 x 5.12 in.

BRAKES

Service	Hydraulic system with disc brake for front and rear wheels
Exhaust	Electric-pneumatic with valve-in exhaust pipe
Parking	Lever control with cable, internal expanding drum type

FRAME

Ladder type	Straight C Channel		
Width	in.	34	
Yield strength	PSI	80,000	
Resisting bending moment in.-lbs. (one side, no reinforcement)	152"WB	All Others	
	1,280,000	1,031,900	

POWERTRAIN AND PERFORMANCE

GVW	23,000 lbs.			
GCWR*	26,000 lbs.			
Powertrain	STD	OPT	OPT	
Max. speed mph**	75	75	75	75
Startability (% of grade)	37.2	35.9	35.9	37.2
Rear axle gear ratios	5.29	5.13	5.13	5.29
Transmission	Model	Allison 2200HS with Fuel Sense Basic		
	Type	Six speed automatic		
Ratios	1st.	3.102	3.102	
	2nd.	1.811	1.811	
	3rd.	1.406	1.406	
	4th.	1	1	
	5th.	0.712	0.712	
	6th.	0.61	0.61	
	Rev.	4.492	4.492	

DIMENSIONS/WEIGHTS

Wheelbase	in.	152/G	175/J	187/L	205/M	217/P	235/R	253/T	271/V
Cab to axle	in.	84.6	107.6	119.6	137.6	149.6	167.6	185.6	203.6
Rear overhang	in.	50.0	63.0	75.0	75.0	97.0	97.0	97.0	79.0
Std. chassis weight - Leaf susp. / 230hp	lbs.	9,790	9,735	9,800	9,910	10,020	10,055	10,085	10,150
Std. chassis weight - Air susp. / 230hp	lbs.	9,765	9,960	9,745	9,855	9,965	10,010	10,040	10,110
Frame height at front axle in. 37.4									
Frame height at rear axle - Air susp. / Leaf susp. in. 39.0 / 39.8									

WEIGHT CAPACITIES

Front axle	lbs.	8,000
Rear axle	lbs.	17,500
Front spring	lbs.	8,000
Rear Spring	lbs.	19,000

WHEELS/TIRES

6 Wheels	22.5 x 8.25 10-stud disc	
Wheel style	Steel, powder coated	
6 tires	10R22.5-14(BS)	
Tire pattern	Fr- Rib, Rr - All Season	

AXLE/SUSPENSION

Front axle	MFS-8 series reversed Elliot, "I" beam (oil lubricated)
Front spring	Taper-leaf spring, shock absorbers
Rear axle	RS17-145, full floating, single reduction, single-speed, hypoid gearing
Rear spring	Semi-elliptic main
Rear Air	OPT-Air ride suspension - Hendrickson

CHASSIS EQUIPMENT

	STD-50 gallon
Fuel tank	OPT-Dual 50 gal./Single 70 gal./Single 95 gal.
DEF tank	4.7 gallon

ELECTRICAL EQUIPMENT

Batteries	STD- Two 12V parallel circuit, 650 CCA (GR 31 type)
	OPT-Three parallel circuit, 650 CCA (GR 31 type)
	OPT-Two parallel circuit AGM (925 CCA)
Alternator	STD-12V, 130 A, Delco (brush type)
	OPT-12V, 135 A (brushless), 180 A (brush type), 200 A (brush type)
Starter	Denso-12V, 4.8 kW
Cab audio	AM/FM/CD Player/MP3/Bluetooth

POPULAR OPTIONAL EQUIPMENT (partial list)

Air ride suspension dump valve (electric), single & dual valve
Anti-siphon device insert in fuel tank
Back-up alarm
Cab paint, exterior - custom (factory)
Engine idle shutdown
Exhaust system - vertical stack type
Mirrors, fender mounted-chrome (both sides or passenger)
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)
Wheels-polished aluminum or powder coated gray

SERVICES

HINO WARRANTY - ENGINE	STD - 5 years/250,000 miles
	OPT - 7 years/150,000 miles
HINOWATCH	24/7 Roadside Assistance
HINOCARE	OPT - Preventive Care
HINO INSIGHT	Telematics by Telogis
	Remote Diagnostics
	Case Management