

# 2016 HINO 195h

CAB OVER ENGINE GVW: 19,500 LBS. BBC: 66.5" ENGINE MODEL: JO5E-UG DIESEL-ELECTRIC HYBRID



A Toyota Group Company

We have made Class 5 Hybrids a reality. The Hino 195h Diesel-Electric Hybrid cab-over represents a giant leap for alternative fuel commercial vehicles in North America. In fact it was designed from the ground-up for the U.S. and arrives with the benefit of six generations of technology evolution and more than 14,000 production vehicles already on the road around the world solidifying Hino as the leader in commercial truck diesel-electric hybrid technology. Hino makes the Diesel-Electric Hybrid a viable option in the U.S. commercial truck industry for the first time. Our COE model stacks-up from both an environmental and a financial standpoint the only commercial Hybrid in the market to do so.



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## ENGINE

Model	HINO J05E-UG (Hybrid)
Type	Diesel-Electric Hybrid, 4-cycle, 4-cylinder in-line, water-cooled, dry cylinder line
Fuel System	Common Rail, Direct injection type. (Denso)
Max. output (SAE Gross)	210HP at 2,500 rpm.
Max. torque (SAE Gross)	440 lb.-ft. at 1,500 rpm.
Engine displacement	5L

## POWERTRAIN AND PERFORMANCE

GVW	19,500 lbs.	
GCWR	25,500 lbs.	
Powertrain	STD	OPT
Max. speed mph	68.4	64.6
Startability (% of grade)	27.2	28.6
Rear Axle Gear Ratios	5.571	5.857

Transmission	Model	Aisin A465 (PTO capable)
	Type	Six speed automatic
Ratios	1st	3.742
	2nd	2.003
	3rd	1.343
	4th	1.000
	5th	0.773
	6th	0.634
	Rev	3.539
Tires (standard)	225/70R19.5	

## DIMENSIONS

Cab Type		Standard	Standard	Standard	Standard
Wheelbase	in.	137.8	149.6	161.4	173.2
Useable cab to axle	in.	110	121.9	133.7	145.5
Cab to body clearance	in.	5.8	5.8	5.8	5.8
Rear overhang	in.	46.3	46.3	46.3	46.3

## FRAME HEIGHT AT

Front axle	in.	29.5	29.5	29.5	29.5
Rear axle	in.	33.3	33.3	33.3	33.4

## WEIGHT CAPACITIES

Front axle	lbs.	6,830 - 7,270
Rear axle	lbs.	13,660
Front spring	lbs.	6,830
Rear spring	lbs.	13,660

## AXLE / SUSPENSION

Front axle	Reversed Elliot, "I" beam.	
Front spring	Taper-leaf springs shock absorbers and stabilizer.	
Rear axle	Full-floating, single reduction; Single-speed by hypoid gearings.	
Rear spring	Taper-leaf springs shock absorbers.	

## FRAME

Ladder type	Straight section	
Width	in.	33
Yield strength	PSI	56,900
Resisting bending moment (one side)	in.-lbs.	353,450 - 423,050 (no reinforcement)

## WHEELS / TIRES

6 Wheels	19.5X6 6-stud disc.	
Wheel style	Steel, painted	
6 Tires	225/70R19.5	
Tire pattern	Fr-Rib Rr-All Season	

## BRAKES

Service brake	Hydraulic system with disc brake for front and rear wheels.	
Parking brake	Mechanical, internal expanding acting on transmission output shaft.	
Exhaust brake	Electric-pneumatic with valve in exhaust pipe.	

## HYBRID SYSTEM

Ni-MH Battery, 288V
Traction Motor Max Power: 36kW / 1,000 rpm
Traction Motor Max Torque: 258ft-lb / 1,000 rpm
Inverter Max Power: 64KVA, 300V
Hybrid Adaptive Control System
Drive Mode Idle Stop
Eco Mode Driving Switch
Hybrid Indicator and Eco Lamp

## CHASSIS EQUIPMENT

Fuel tank	Center mount 30 gal.
Fuel pre-filter	Heated fuel water separator.
Radiator grille	Chrome
DEF tank	4.7 gal.

## ELECTRICAL EQUIPMENT

Batteries	Two, parallel connection, each 12V
Alternator	12V, 130A, brushless
Starter	12V, 4.5hp, Denso
Auxiliary Switches	9 vacant switch blanks for body and equipment use.
Stereo	AM/FM radio with CD Player
GPS	INSIGHT 2.0 Telematics System

## POPULAR OPTIONAL EQUIPMENT

Cab paint, exterior - Black, red, yellow, blue, green
GVW Derate 17,950 (factory order only)
Transmission PTO
Bluetooth radio

## HINOWATCH (service free of charge)

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

## 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.

