

## FEATURES

- High Torque MAXICRUISE™ Diesel Engine
- Cooled Exhaust Gas Recirculation (CEGR)
- Maximum Horsepower 395 BHP [295 kW]
- Electronic Unit Fuel Injection with Rate Shaping
- V-MAC IV Total Vehicle Electronics System
- Wide Operating Range 1100-1950 RPM
- Chassis Mounted Charge Air Cooled
- Variable Geometry Turbocharger
- Extended Service Intervals
- MACK PowerLeash Engine Brake

## SPECIFICATIONS

Peak HP (kW) @ RPM	395 [294] @ 1500-1700
HP [kW] @ Governed RPM	370 [276] @ 1950
Max. Torque lb. ft. [N•m] @ RPM	1,560 [2114] @ 1100-1300
Type	Direct Injection Diesel
Number of Cylinders	6, In-Line
Bore & Stroke, in. [mm]	4.84 x 5.98 [123 x 152]
Displacement, in. <sup>3</sup> [L]	659 [11]
Compression Ratio	16:1
Firing Order	1-5-3-6-2-4
Torque Rise	56%
Clutch Engagement	1120 lb. ft. [1519 N•m] @ 800 RPM
Idle Speeds:	
Low	Adjustable; 600 RPM
High	1950 RPM
Engine Brake Retarding Power (If Applicable)	420 HP [313 kW] @ 2100 RPM
Weight, Dry: (Approx.)	2,286 lbs. [1 037 kg]
Greenhouse Gas 2014 Certified, OBD 2013 Certified	

## V-MAC IV® FUNCTIONS

4th Generation Vehicle Management And Control System

### V-MAC IV PRODUCTIVITY FEATURES:

- PTO (4) and Electronic Hand Throttle Control
- Engine "Smart Fan Control"
- Integrated Sleeper Low Voltage Disconnect †
- "Smart Idle" Speed Regulator
- GuardDog Routine Maintenance Monitoring †

### V-MAC IV DRIVER CONVENIENCE FEATURES:

- Full Featured Cruise Control
- Cruise and Brake Engine Brake Control
- Programmable Engine Governor Type
- Idle Cooldown
- Daytime Running Light (DRL) Override †

### V-MAC IV FUEL ECONOMY FEATURES:

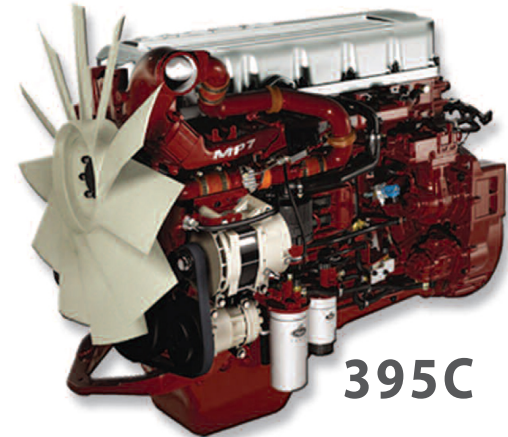
- Vehicle Speed Limiting
- Engine "Sweet Spot Indicator"
- Fuel Economy Incentive Program
- Idle Shutdown

### V-MAC IV RELIABILITY FEATURES:

- Engine Protection
- Starter Protection
- Differential Lock Auto Control

### V-MAC IV FLEET MANAGEMENT FEATURES:

- DataMax Comprehensive On-Board Data Logger



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### V-MAC IV SAFETY AND SECURITY FEATURES:

- Speed Sensor Tamper Resistance
- Theft Deterrence
- 5th Wheel Slide Unlocked Vehicle Speed Limiting
- Air Suspension Deflated Vehicle Speed Limiting

### V-MAC IV SERVICEABILITY FEATURES:

- SAE J1587 and J1939 Diagnostic Port
- Electronic Fault Logging with Fault Reporter
- VCADS PC Based Service Software

† Denotes an available option.

## ENGINE PERFORMANCE

### MaxiCruise - Highway

To fully optimize Mack ClearTech engine fuel economy performance, all MaxiCruise engines in a highway type operation should operate at 1400 RPM +/- 50; providing you have enough HP at Cruise RPM to maintain >1.5% gradability in top gear. For the real FE seekers 1325 RPM +/- 25; same conditions as previous apply.

### MaxiCruise - Vocational

In Vocational duty cycle type chassis with MaxiCruise, startability must also be considered when determining an optimized engine cruise RPM.

