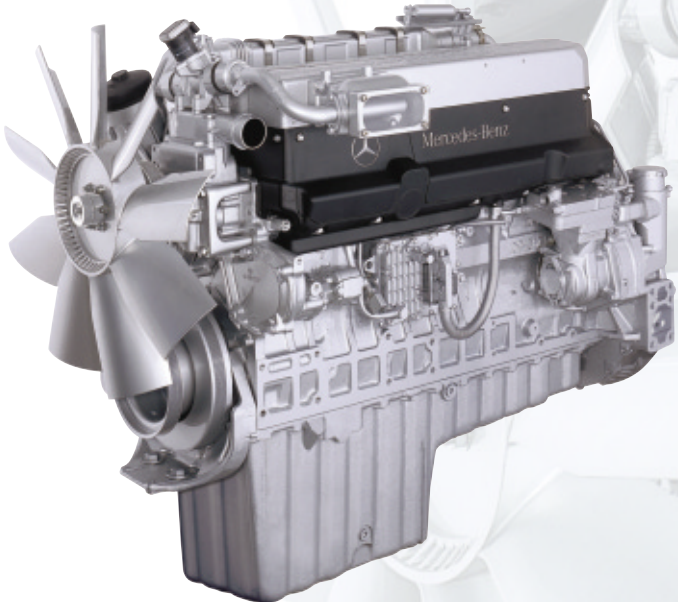


# Mercedes-Benz

## MBE 4000

### Technical Data



Number of cylinders	6 Inline
Bore	5.04 in (128 mm)
Stroke	6.54 in (166 mm)
Displacement	781.12 cu in (12.8 liters)
Weight*	2117 lbs (961 kg)
Air System	Turbocharged with Air-to-Air Charge Cooling
Control System	Electronic
Compression Ratio	17.75:1
Length	53.1 in (1350 mm)
Width	42.1 in (1070 mm)
Height	44.5 in (1130 mm)

\*Dry with the accessories shown under standard equipment.

### Engine Performance

#### 6 Cylinder Engines

350 HP @ 1900 RPM	1350 lb•ft @ 1100 RPM
370 HP @ 1900 RPM	1350 lb•ft @ 1100 RPM
370 HP @ 1900 RPM	1450 lb•ft @ 1100 RPM
410 HP @ 1900 RPM	1450 lb•ft @ 1100 RPM
410 HP @ 1900 RPM	1550 lb•ft @ 1100 RPM
435 HP @ 1900 RPM	1450 lb•ft @ 1100 RPM
435 HP @ 1900 RPM	1550 lb•ft @ 1100 RPM
450 HP @ 1900 RPM	1550 lb•ft @ 1100 RPM

### Features

The MBE 4000 is one of the most advanced diesel engines available. DaimlerChrysler is the world's largest supplier of medium and heavy-duty engines for on-highway use.

#### Performance

- 17.75:1 compressing for ease of starting in cold weather
- Maximum torque at 1100 rpm for reduced shifting
- Lightweight for additional payload
- Optional turbo brake for over 500 braking horsepower

#### Standard Equipment

- Crankcase breather
- Electronic control module
- Electronic data link, ATA/SAE
- Electronically controlled fuel system
- Fuel-cartridge-style filter and transfer pumps
- Governor—full range electronically controlled
- Hydraulic steering pump drive
- Engine lifting brackets
- Lubricating—oil cooler, full flow filter, gear-driven pump, large capacity oil pan
- Turbocharger
- Air compressor

### Low Cost of Operation

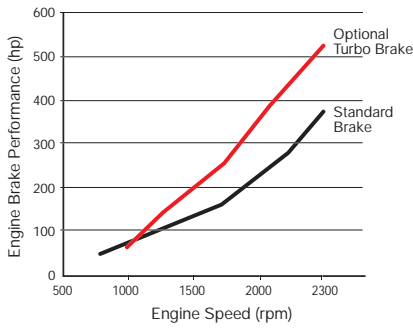
- 6 individual electronically controlled unit pumps for excellent fuel economy and ease of replacement
- Extended service intervals for reduced maintenance costs
- Accessible and easy to dispose of filter cartridges

### Electronic Features

- Complete electronic self-diagnostic capability
- Comprehensive, cost effective service tools are available for all organizational levels, featuring the Detroit Diesel Diagnostic Link (DDDL), Detroit Diesel Diagnostic Reader (DDDR) and Pocket Diagnostic Link
- Electronics tabulate over 70 unique parameters for effective fleet and driver management
- Built-in battery backed clock/calendar enables automatic tabulations of performance data on a monthly basis
- Records various parameters on a daily basis for optimized fleet management

## MBE 4000 Engine Brake Performance

MBE 4000 Engine Brake Performance



## Durability and Reliability

- Wet, replaceable liners and individual heads for long life and simple repairs
- Top Liner Cooling for extended piston and ring life
- Advanced connecting rod for extra load carrying capability and long life
- Full 2 yr./unlimited warr. (truck), 5 yr./100,000 mile warr. (fire/crash vehicles)

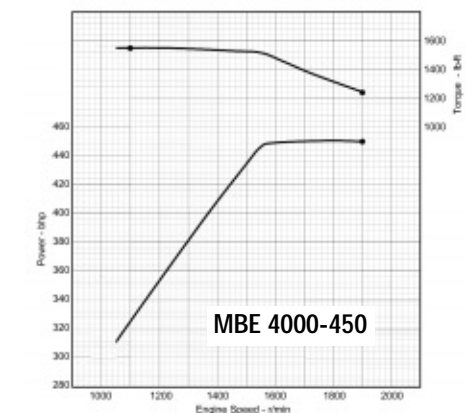
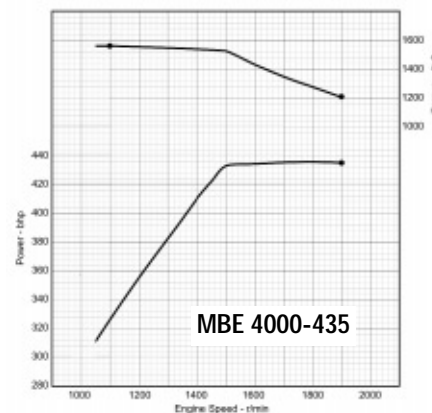
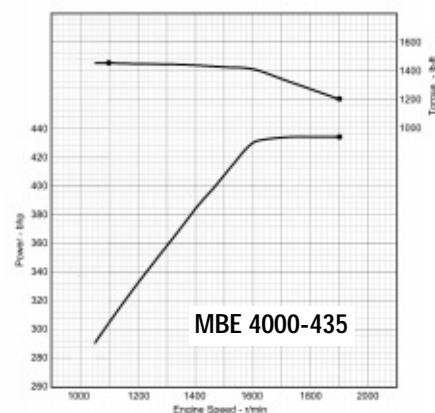
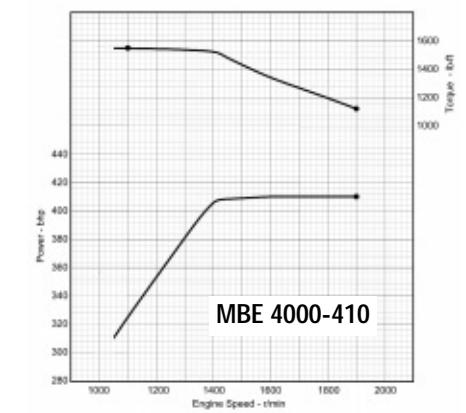
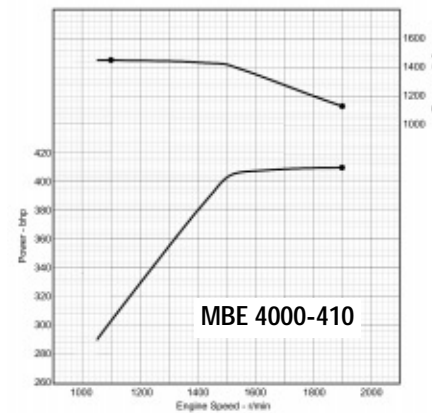
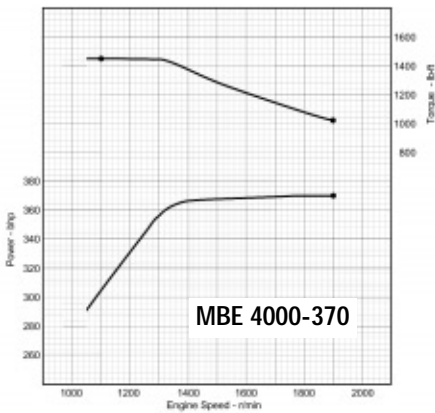
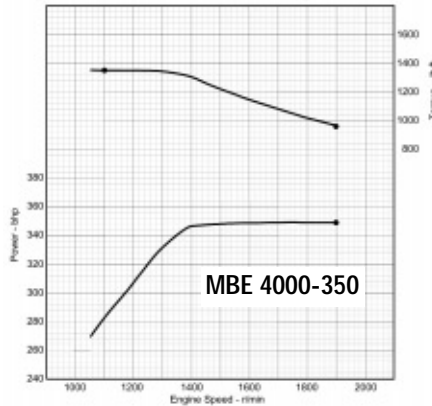
## Electronic Controls

- Road speed limiting
- Cruise control
- Engine brake control, including during cruise control
- Engine protection
- Diagnosis
- Idle timer and shutdown
- PTO control
- Fleet management

## Supported By Detroit Diesel, Its Distributors, Authorized Freightliner, Sterling and Western Star Dealer Network

The MBE 4000 is backed by a network of certified engine experts. After your engine goes into service, it's backed by 24-hour-a-day, 365-days-a-year service support. Immediate roadside assistance and technical solutions are just a phone call away, anytime, day or night. The entire Detroit Diesel Corporation (DDC) parts and service network supports the MBE 4000, including the 1-800-445-1980 24/7 Hotline, and the MBE 4000 is backed up by the entire Freightliner, Sterling and Western Star Dealer network.

Backed By Outstanding Warranty Coverage		
Application	Years	Miles
Truck	2 years	Unlimited
Fire / Crash Veh.	5 years	100,000



**DETROIT DIESEL**

A DAIMLERCHRYSLER Company



13400 Outer Drive, West, Detroit, Michigan 48239-4001  
Telephone 313-592-5000  
www.detroitdiesel.com

MBE 4000  
24 Hour Hot Line  
1-800-445-1980

