

DETROIT DIESEL
DEMAND PERFORMANCE™



MBE 4000

The MBE 4000 lightweight, heavy-duty diesel engine maintains performance and fuel economy advantages at current emission levels.

Excellent Performance and Fuel Economy

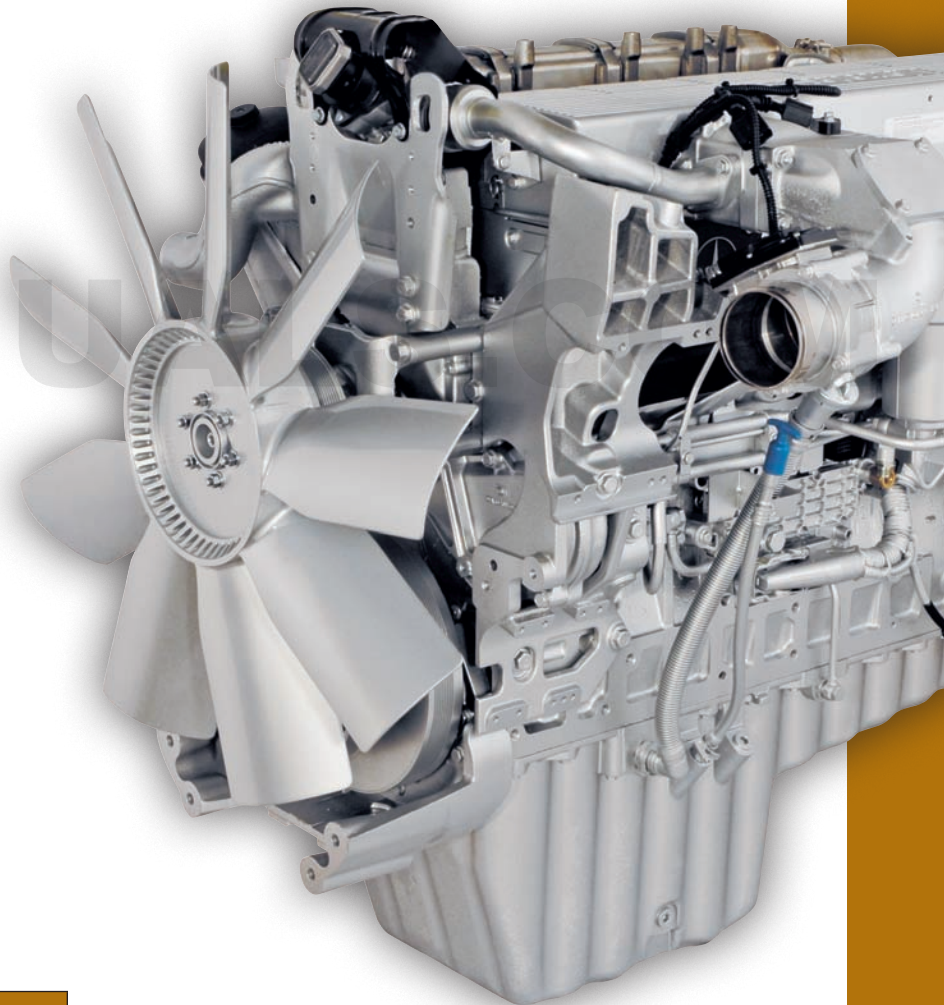
- SMART Fuel System maintains fuel economy and performance at reduced emissions
- DDEC® VI electronics monitor and control the engine and Aftertreatment System for peak efficiency

Engine Brake Technology Leader

- Standard engine brake has up to 370 braking horsepower at no added cost or weight
- Optional premium engine brake has up to 510 braking horsepower
- Both engine brake options are known for quiet operation

Low Emissions

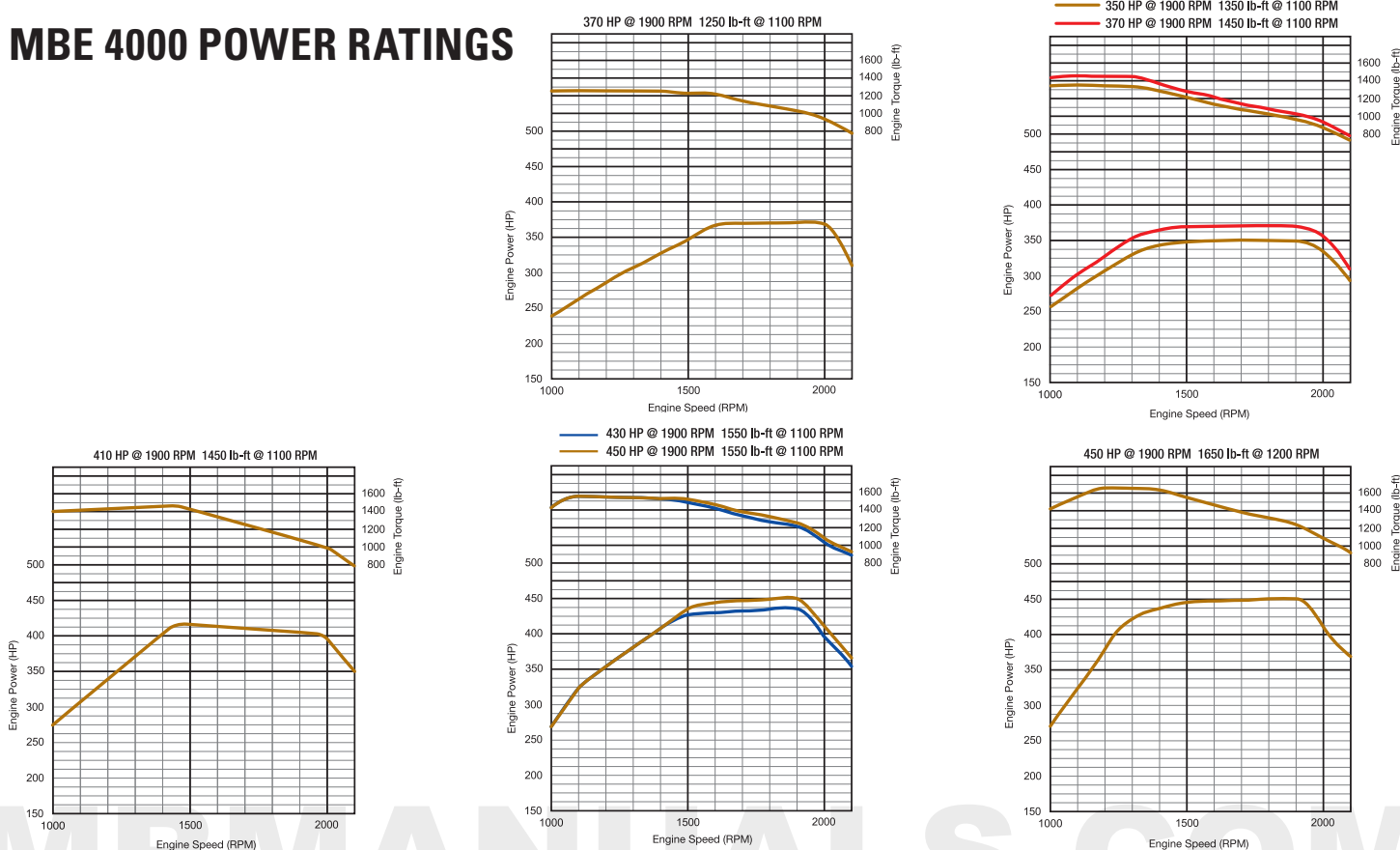
- Optimized Exhaust Gas Recirculation (EGR) system reduces nitrogen oxide (NOx) emissions by over 50%
- Aftertreatment System consisting of an Oxidation Catalyst and Diesel Particulate Filter reduces particulate matter emissions by 90%
- Electrostatic breather separator meets crankcase emissions requirements without added maintenance



MBE 4000 Specifications

Configuration	Inline 6 Cylinder
Displacement	781.12 cu. in. (12.8 L)
Compression Ratio	18:1
Bore	5.04 in. (128 mm)
Stroke	6.54 in. (166 mm)
Weight (Dry)	2270 lb. (1030 kg)
Electronics	DDEC VI

MBE 4000 POWER RATINGS



Maintenance Intervals (Miles)

Maintenance Item	Severe-Duty	Short-Haul	Long-Haul
Engine Oil and Filter Change	10,000	15,000	30,000
Fuel Filter Change	20,000	30,000	60,000
Valve Lash Adjustment	20,000 first-then 40,000	30,000 first-then 60,000	60,000 first-then 120,000

Severe-Duty: Less than 6,000 annual miles. Short-Haul: 6,000 to 60,000 annual miles. Long-Haul: Over 60,000 annual miles.

Standard Warranty¹

Warranty Limitations (Whichever Occurs First)			Repair Charge to be Paid by Owner	
MBE 4000	Months	Miles / Kilometers	Parts	Labor
Engine	0 - 24	Unlimited	No Charge	No Charge
Accessories	0 - 24	0 - 100,000 mi. 0 - 160,000 km	No Charge	No Charge
Upon expiration of the 24-month warranty coverage, but within 500,000 mi. / 800,000 km of use, the warranty continues to apply as follows:				
Major Components ²	25 - 60	0 - 500,000 mi. 0 - 800,000 km	No Charge	100% of Service Outlet's Normal Charge

¹ See your Authorized Detroit Diesel service outlet for a copy of the warranty parchment for complete details.

² Cylinder block/head, crankshaft, camshaft, main bearing bolts, flywheel housing, connecting rod assemblies, oil cooler housing, water pump housing and air inlet housing



For more information, call 1-800-445-1980. www.DetroitDiesel.com

DDC-EMC-FLY-0013-1207. Specifications are subject to change without notice. Detroit Diesel Corporation is registered to ISO 9001:2001.

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