

MARINE ENGINES  
High Horsepower Medium  
Speed Engine Applications

Resource  
Power Group

RPG





## Propulsion Power for Diverse Applications

As a division of one of Caterpillar's largest dealerships, Resource Power Group (RPG) has the balance sheet to support large marine projects. RPG is an authorized dealer for MaK and EMD engines and covers the waterfront from workboats to tankers, to passenger vessels. We also offer auxiliary systems including the Cat Propulsion package.



**POWER PRODUCTS**



## Flexible Fuel Options

Medium speed engines (400-900 RPM) are heavy-duty engines designed to last as long as the ship if proper maintenance instructions are followed. Medium speed engines have been used in countless vessels along coasts and across oceans. Both engine lines are capable of burning alternative fuels as shown below.

Model	Output Range (MW)	HFO	Diesel	Natural Gas	Dual Fuel
M46	5.1 - 15.4				X
M43	5.7 - 16.8	X	X		
M34	2.9 - 4.7				X
M32	2.7 - 8.9	X	X	X	
M25	1.6 - 3.1	X	X		
M20	1.0 - 1.8	X	X		
EMD710	1.5 - 3.7		X		X
EMD645 (rebuilt)	1.1 - 2.7		X		X

## Product Information

Our engines have the Caterpillar quality stamp of approval.

MaK Engines:

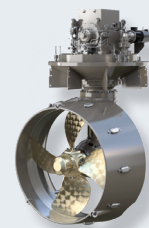
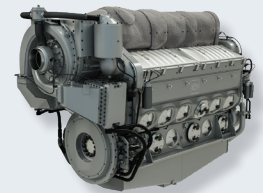
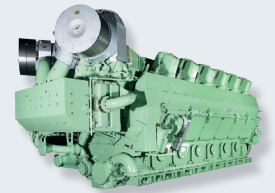
- Operating range: 1,020 – 16,800 kW
- Up to 47% efficiency
- Multiple fuel options
- Medium speed offering high reliability and long life

EMD Engines:

- Operating range (continuous rating): 1,525 – 5,000 BHP (1,138 to 3,728 kW)
- Fast response with high reliability
- Two-stroke cycle, can recover synchronous frequency speed in 0.5 seconds when receiving a “block load”
- Medium speed offering high reliability and long life
- Available new or rebuilt with full warranty

Cat Propulsion Units:

- MPP operating Range: 550 – 20,000 kW
- Azimuth thruster operating range : 605 – 3,740 kW, Max Thrust 11 – 63 ton
- Tunnel thruster operating range : 380 – 3,600 kW, Thrust 5 – 47 ton
- Available standalone or as part of a propulsion package
- Originally based on Berg propeller systems and enhanced by Caterpillar technology, quality, and advanced controls



## Why Choose RPG as Your Service Provider?

RPG was evaluated by the Caterpillar organization and received a “Platinum” rating for service capability. There is no other MaK or EMD dealer in the Americas with this rating. Specialized services at the above locations include: reconditioning of cylinder heads, turbochargers, roots blowers, governors, oil coolers, air coolers, fuel equipment, pumps and seals, cylinder liners, water pumps, and rocker arm assemblies.



## Service

Currently we have workshops in five locations and three countries including:

- Houston
- Miami
- New Orleans
- Ciudad del Carmen, Mexico
- Panama Pacifico, Panama



## About RPG

Resource Power Group (RPG) is the trade name for Louisiana Machinery Company LLC's large, medium speed engine business. The company was established in 1933 and is a privately-owned business approaching \$1 Billion in annual revenues. RPG is an authorized distributor for EMD and MaK engines, for Mitsubishi and Napier turbochargers, and for Heinzmann and Regulateurs Europa governors and Noris controls.

RPG, with offices in Houston, Miami, New Orleans, Ciudad del Carmen (Mexico), and Panama City (Panama), focuses on power, marine, gas compression, and industrial applications in the "Middle Americas" including the Southern US, Mexico, Central America, the Northern part of South America and the Caribbean islands.



POWER PRODUCTS



Resource  
Power Group

RPG

901 W 13th Street  
Deer Park, TX 77536  
Phone: 281.241.1252  
[www.resourcepowergroup.com](http://www.resourcepowergroup.com)