



# Freedom Motors

The 4-Cycle Rotary Rotapower® 27cc Engine

## The Power of Freedom

- Based on Wankel rotary engine design
- Fuel efficient, low emissions
- Very low vibration
- Low cost to maintain

## Outstanding Compact Power

Power to weight is:

- 45% higher than typical two-stroke piston engines
- 175% higher than typical four-stroke piston engines
- 350% higher than typical diesel engines

## Durability

- Low vibration
  - Rotary motion--No reciprocating motion
  - Dynamically balanced
- Simplicity
  - Low moving part count
  - No timing chain, valves, camshaft, push rods, connecting rods, etc.
- Charge-cooled rotor eliminates costly and complex components to cool rotor
- Air-cooled housing eliminates water pump and heat exchanger

## Superior Emissions Performance

In tests witnessed by Dr. Andrew Burke from the Institute of Transportation Studies (ITS), UC Davis, emissions from the Rotapower engine on gasoline were substantially below the Ultra Low Emissions Vehicle (ULEV) standard for California. In recent tests on ethanol the emissions were below the Super Ultra Low Emissions Vehicle (SULEV) standard.



27 size - compared with ruler



## Freedom Motors

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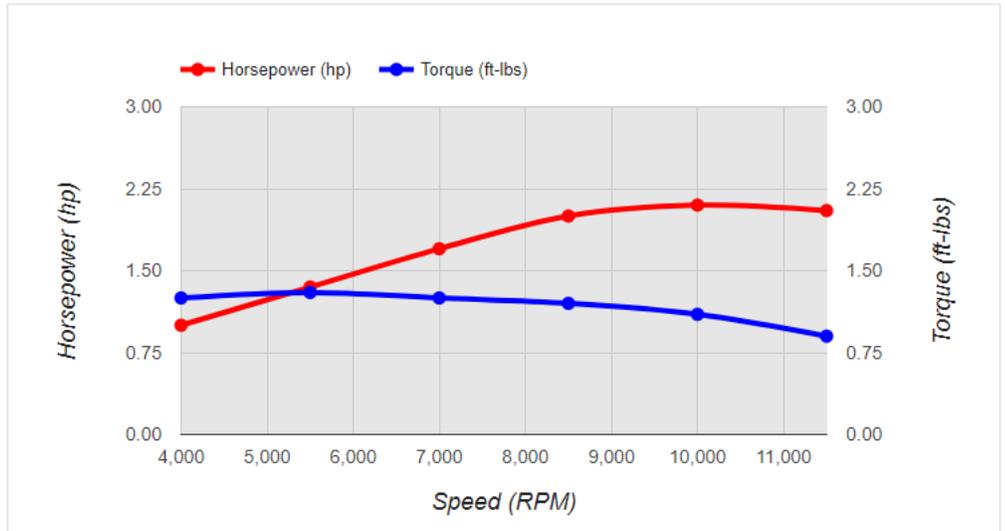
[www.freedom-motors.com](http://www.freedom-motors.com)

*Experience the Power of Freedom*

## Rotapower 27cc Maximum Power Sweep RPM Test

### Specifications

- Single rotor, 27cc displacement
- 2 HP @ 9,000 RPM
- 4 lbs
- 5" L x 5" W x 4" H
- Gasoline carburetor (standard)\*
- Recoil starter
- Spark ignition
- Includes exhaust muffling
- Metered oil lubrication system
- Metric standard design

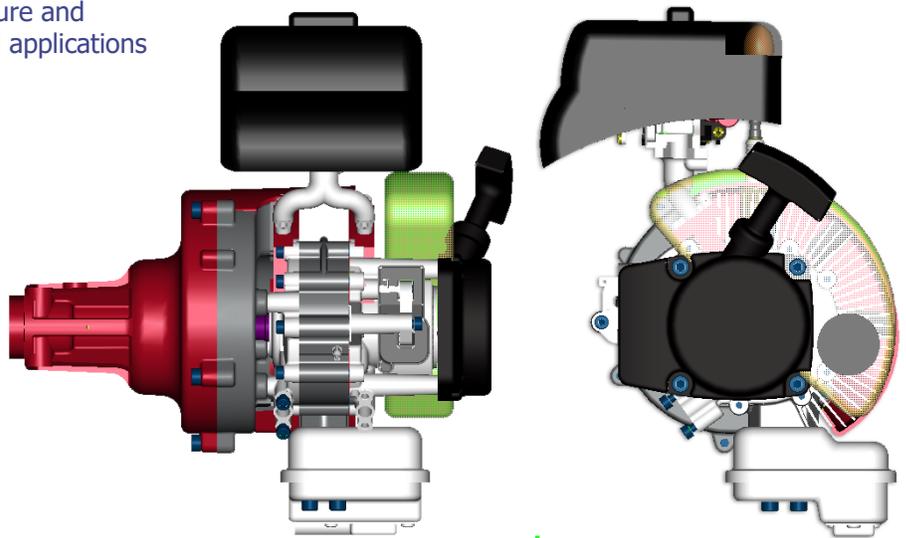


### Freedom Motors

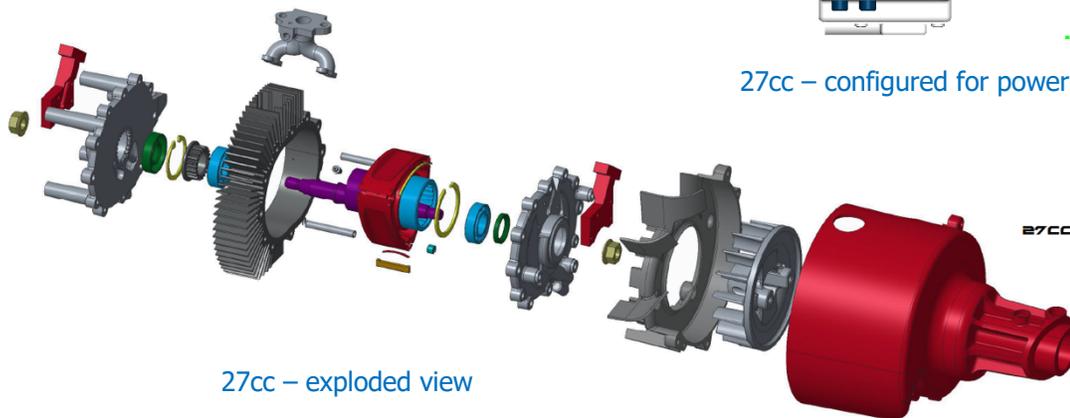
- Incorporated in the State of Nevada, April 1997
- Exclusive worldwide right to manufacture and distribute the Rotapower engine for all applications except ducted fans and aircraft

### Price per unit

- Price based on application & volume



27cc – configured for power tool applications



27cc – exploded view

\* Configurable for other light fuels such as natural gas, alcohol, propane, etc. at additional cost.



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