



**SYM**

Exclusively Distributed by Carter

**Carter Brothers Mfg. Co., Inc.**

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**SYM**

**Engine of Life**

**2008**

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Dedicated to the environment and excellence in engineering since 1954.



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## Excellence in engineering since 1954.

- 1954 Sanyang established to manufacture bicycle parts.
- 1961 Restructured from Sanyang Electric into Sanyang Industry Co. Ltd. SYM.
- 1962/67 Began manufacturing motorcycles/automobiles for Honda.
- 1976 In R & D center, SYM developed "steadite" alloyed cylinders for Honda.
- 1989 Cumulative motorcycle production reaches 3 million units.
- 1999 Added the Honda CRV to the list of vehicles produced for Honda. Other vehicles include the Civic and the Accord.
- 2002 Avoided Honda buyout to remain independent. Started partnership with Hyundai.
- 2006 Carter Brothers becomes exclusive US Distributor for SYM.



Dedicated to environmental protection, SYM only manufactures "green" products that are energy efficient and environmentally friendly.

SYM exceeds the highest quality standards and meets all DOT and EPA requirements.

SYM's employs over 2,400 workers in 6 facilities.

SYM's main manufacturing plant in Hukou Hsinchu, Taiwan, just south of Taipei.

## SYM's annual production capability is in excess of One Million vehicles.







SYMplify Your Mobility. Cruising with no shifting.



## 200 - 300 cc Scooters

HD 200 / RV 250 / CITYCOM 300 cc



# 06

## HD 200 cc

Industry-leading power and performance.



\* Limited edition white models available while inventory lasts.



## HD 200 cc

» Comparison of SYM HD 200 to its closest competition.

SYM HD 200	Competition
<b>Engine</b> 171cc	Competitors' displacements vary.
<b>Valves</b> Four	The majority of 200/250cc units use only Two Valves.
<b>Cooling</b> Liquid	The majority of 200cc and even 250cc units are Air Cooled.
<b>Horsepower</b> 16	Closest competitors produce 11-12 HP.
<b>Top Speed</b> 74 mph	Outperforms other 200cc and even most 250cc models.

The HD200's liquid cooled, four cycle, four valve engine produces so much power that it easily outperforms the competition. Its one piece ceramic coated cylinder head is much stronger than the traditional two piece assembly and the engine's improved quick cooling path is designed specifically for better heat conductivity and dissipation. SYM leads the scooter industry to a new standard with the use of ceramic coated cylinders. With no carbon deposits, they offer increased engine life; and, the elimination of combustion shock ensures the HD has smooth uphill performance without any speed loss. SYM's extreme dedication to quality can be seen by the attention that it pays even to the smallest of details. They use the same DuPont Diamond Paint as Mercedes Benz which is 1.5 times harder than the standard Namo paint. To ensure the optimum in safety, SYM utilizes the Phillips HID headlight, improving brightness by 300% to provide ultra high penetration.

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200 - 300 cc  
Scooters



# RV 250 cc

Cruising in comfort.



# RV 250 cc

80+ MPH with No Shifting



Specifications	
Engine Type	4 Stroke / 4 Valve
Displacement	251 cc
Cooling System	Liquid cooled
Brakes (Front/Back)	Disc / Disc
Wheels	13 in.
Performance Feature	Ceramic-coated cylinder

\* Silver models available while inventory lasts.



## Citycom 300 cc

Performance you can count on.



\* Silver models available while inventory lasts.

## Citycom 300 cc



Specifications	
Engine Type	4 Stroke / 4 Valve
Displacement	264 cc
Cooling System	Liquid cooled
Brakes (Front/Back)	Disc / Disc
Wheels	16 in.
Performance Feature	Ceramic-coated cylinder





Save Your Money. 100+ MPG.



## 50 - 125 cc Scooters

SYMply 50 / Mio 50 / Jet Euro 50 / RS 50 / Fiddle 50  
DD 50 / Vogue 50 - 125 / HD 125



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## SYMply 50

Affordable reliability.



### Specifications

Engine Type	4 Stroke
Displacement	49.5 cc
Cooling System	Air cooled
Brakes (Front/Back)	Disc / Drum
Wheels	12 in.
Performance Feature	Environmentally friendly

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## Mio 50

The ultimate urban scooter.



### Specifications

Engine Type	4 Stroke
Displacement	49.5 cc
Cooling System	Air cooled
Brakes (Front/Back)	Disc / Disc
Wheels	10 in.
Performance Feature	Environmentally friendly; up to 141 mpg.

\* Limited edition pink units available while inventory lasts.

50-125 cc  
Scooters

50-125 cc  
Scooters



## Jet Euro 50

The ultimate in sport styling and design.



### Specifications

Engine Type	2 Stroke
Displacement	49.4 cc
Cooling System	Air cooled
Brakes (Front/Back)	Disc / Disc
Wheels	12 in.
Performance Feature	Performance/speed kit available.

50-125 cc Scooters

## RS 50

Explore your world.



## Fiddle 50

Accelerate your mind.



50-125 cc Scooters



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## DD 50

Incredibly durable and popular rental model.



## Vogue 50/125

By popular demand, SYM is introducing a retro-styled unit specifically for the US market. Actual scooter may differ slightly from concept photo below.

Forecasted availability:  
Summer 2008



Be sure to stay updated on the official launch of the Vogue 50/125. Visit [www.sym-usa.com](http://www.sym-usa.com) for frequent updates on specifications and colors!

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50-125 cc  
Scooters

50-125 cc  
Scooters

### Renting is easier than you think.

SYM scooters make ideal rental units – they are both durable and reliable.



MBAInsurance.net now has policies available for all of our units. Ask your SYM Sales Representative for a Rental Information Package!



## HD 125

Outstanding performance.



## Specifications

Engine Type	4 Stroke / 4 Valve
Displacement	124.5cc
Cooling System	Liquid cooled
Brakes (Front/Back)	Disc / Drum
Wheels	16 in.
Performance Feature	Ceramic-coated cylinder

\* Limited edition white models available while inventory lasts.







Unbeatable performance and style.



**ATVs:**  
QuadLander 300S / QuadRaider 600





## QuadLander 300S

Unbeatable two-wheel drive performance with enormous torque.

Powerful and reliable, the Quadlander 300S is equipped with a direct rear shaft drive offering unbeatable performance. No other vehicle in its class stands up to this 2WD ATV with its aggressive and trendy automotive-style bodywork design.

The new QuadLander 300S provides a perfect combination of function, performance and luxury features. Fully independent, double A-arm front suspension and light responsive steering ensure a smooth, comfortable ride and improved grip. QuadLander 300S is the equivalent of a workhorse and provides the kind of consistent power and high torque that make it the perfect choice for towing, hauling, farming and any other heavy-duty tasks.

Powerful liquid-cooled engine performance and precision braking system make the QuadLander 300S your perfect choice for exploring trails across challenging terrain.



## QuadLander 300S



### Specifications

Engine Type	4 Stroke / 4 Valve
Displacement	272cc
Cooling System	Liquid cooled
Brakes (Front/Back)	Dual Hydraulic Disc / Disc with Parking Brake
Wheels	AT 22 x 7-10 / AT 22 x 10-9
Performance Feature	Dual-range (Hi/Lo) drive with Reverse







## QuadRaider 600

### Massive Power, Massive Comfort, Massive Style

Streamlined into a 4x4 SUV design and equipped with a powerful liquid-cooled 600cc 4-stroke engine, the QuadRaider also offers On-Command 2WD/4WD/Diff-Lock transmission system. A unique ATV combining off-road and on-road features for trailing, hunting, or cruising, wherever you choose to ride it, the QuadRaider offers incomparable 2-rider comfort.



#### Specifications

Engine Type	4 Stroke / 4 Valve
Displacement	560cc
Cooling System	Liquid cooled
Brakes (Front/Back)	Large Diameter ventilated Hydraulic Disc / Hydraulic Disc
Wheels	AT 25 x 8-12 / AT 25 x 10-12
Performance Feature	Dual-range (Hi/Lo) drive with Reverse; 4x4

## QuadRaider 600





## Advanced Engineering



### 4 Valve Engine (4 cylinder engines)

100% independently researched and developed products ranging from light-weight scooters to heavy recreational bikes, street motorcycles, electric mobility vehicles, Go-Karts, ATVs (All Terrain Vehicles) and general purpose engines.



### Ceramic Coating Cylinder & One Piece Cylinder Head+4V

Technological leader to appropriate aeronautical technology with heat resistant ceramic tiles used on the Space Shuttle to produce a revolutionary "Ceramic Coating Cylinder" engine. High Rigidity – Stronger than the traditional 2 piece assembly.



### MIS Intelligent Ignition System

Uses an intelligent Throttle Position Sensor (TPS) with brand new intelligent CDI ignition system chip implanted to provide an instantaneous burst of power on each ignition and acceleration.



### Steadite Wear Resistant Alloy Cylinder

The special and uniquely invented Steadite alloy cylinder has high rigidity, good lubrication, wear resistance, strong power and long life with a 4 stroke H.O.C. engine. Extremely quiet, oil leakage free and better fuel economy.



## Performance and Safety

### For additional safety SYM uses with the Phillips HID headlight.

(Standard on HD 125/200, RV 250 and Citycom 300 )

Diamond white light with 110/100W that shines like daylight. Improved brightness to 300% to provide ultra high penetration and good sight when traveling at night or in misty rain. Energy efficient; lasts 50% longer – up to 2,500 hours.



### CBS "Combined Brake System" (Standard on the RV 250)

The first revolutionary CBS (Combined Brake System) allows you to generate braking force both in front and rear wheels simultaneously as pressure on the left brake lever is exerted to initiate the internal balance device to release sustainable power. Not only does it effectively reduce the braking distance by more than 20%, it also greatly improves the stability of braking.



### Outstanding electrical output.

SYM scooters and ATVs have a voltage output of 13.5 volts at ideal and 14 volts at running speed. This output will help ensure your batteries reliability to always be able to start your scooter and ATV. This is something that cannot be said for many cheaper Chinese manufactured products.



### DuPont Paint.

Uses same DuPont diamond paint as that of Mercedes Benz to fully exhibit colors with a high performance protective finish coat that is 1.5 times harder than Nano paint. It gives the body a high strength protective film to resist wear and scratches and keeps the body bright and new forever.



# 30 Specifications:

200-300 cc Scooters		HD 200	RV 250	Citycom 300				
<b>Engine</b>	Type Displacement Cooling System Carburetion Transmission Emission	4-stroke , 4-valve 171.2cc liquid carburetor C.V.T. euro 2	4-stroke , 4-valve 251cc liquid carburetor C.V.T. EPA / CARB Certified	4-stroke 262.8 cc liquid EFI / Fuel Injected C.V.T., auto speed change EPA / CARB				
<b>Chassis</b>	Front Suspension Rear Suspension Front Brake Rear Brake Front Tire Rear Tire	telescopic fork unit swing disc, 220mm drum,130mm 100/80-16 120/80-16	telescopic fork swing arm with 5-way preload disc, 240mm disc, 220m, CBS 110/90-13 130/70-13	telescopic fork unit swing disc, 260mm disc, 260mm 110 / 70 - 16 140 / 70 - 16				
<b>Dimensions</b>	L x W x H (mm) Wheelbase (mm) Dry Weight (kg) Fuel Capacity (liter)	2064 x 706 x 1165 1385 135 8	2165 x 760 x 1380 1480 158 12	2210 x 785 x 1445 1500 334 10				
50-125 cc Scooters		SYMply 50	Mio 50	Jet Euro X 50	RS 50	Fiddle 50	DD 50	HD 125
<b>Engine</b>	Type Displacement Cooling System Carburetion Transmission Emission	4-stroke 49.6cc air Carburetor C.V.T. Euro 3	4-stroke 49.5 air carburetor C.V.T. euro 2	2-stroke 49.4cc air carburetor C.V.T. euro 2	2-stroke 49.4cc air carburetor C.V.T. euro 2	2-stroke 49.4 cc air carburetor C.V.T. euro 2	2-stroke 49.4 cc air carburetor C.V.T. euro 2	4-stroke , 4-valve 124.6cc liquid carburetor C.V.T. euro 2
<b>Chassis</b>	Front Suspension Rear Suspension Front Brake Rear Brake Front Tire Rear Tire	telescopic fork unit swing arm disc 290mm drum 120/70-12 130/70-12	telescopic fork unit swing arm disc 160mm A. disc 160mm B.drum 90/90-10 90/90-10	telescopic fork unit swing arm disc 190mm drum 120/70-12 130/70-12	telescopic fork unit swing arm disc 273mm drum 100/90-12 130/70-12	bottom link unit swing arm drum 3.00-10 3.00-10	telescopic fork unit swing arm disc 160mm drum 90/90-10 3.00-10	telescopic fork unit swing disc, 220mm drum,130mm 100/80-16 120/80-16
<b>Dimensions</b>	L x W x H (mm) Wheelbase (mm) Dry Weight (kg) Fuel Capacity (liter)	1906 x 660 x 1120 1325 109 5	1720 x 720 x 1090 1180 84.5 4.8	1785 x 680 x 1125 1275 94 6.3	1870 x 700 x 1130 1335 108 7.5	1680 x 750 x 1070 1170 83 6.1	1660 x 630 x 1020 1155 80 6.1	2064 x 706 x 1165 1385 135 8
ATVs		QuadLander 300S	QuadRaider 600					
<b>Engine</b>	Type Displacement Cooling System Carburetion Transmission Emission	4-stroke, 4-valve 272cc liquid carburetor CVT w/ reverse EPA / CARB certified	4-stroke, 4-valve 560cc liquid carburetor 2WD / 4WD diff-lock system w/ reverse EPA / CARB certified					
<b>Chassis</b>	Front Suspension Rear Suspension Front Brake Rear Brake Front Tire Rear Tire	independent, double A-arm unit swing arm 175mm dual hydraulic disks 220mm disc w/ parking brake AT 22 x 7-10 AT 22 x 10-9	independent double A-arm independent rear large-diameter ventilated hydraulic disk hydraulic disc AT 25 x 8-12 AT 25 x 10-12					
<b>Dimensions</b>	L x W x H (mm) Wheelbase (mm) Dry Weight (kg) Fuel Capacity (liter)	1890 x 1055 x 1115 1200 223 12	2110 x 1150 x 1220 1300 345 kg 15.3					

# Accessories:



Jet Euro Racks



HD 125 Wind Screen



RS 50 and Jet Euro Performance Kits.



26 liter



29 Liter



Winch for ATVs

Top Boxes: 26, 29, 36 Liter general purpose

Racks, Top Boxes ,Wind Screens and Covers are available for most models.  
Many other performance parts and accessories can be found on [www.sym-usa.com/accessories](http://www.sym-usa.com/accessories)





#### Dealer Testimonial

Just a quick note to say thanks, for two reasons. Thanks for having us as an SYM dealer. Carrying and selling such a great product makes all of our lives here at SF Moto / First Kick Scooters a DELIGHT. The quality and reliability are far beyond the BEST WE HAVE EVER SOLD. We have sold other very reputable brands but SYM has been our best. I truly know that with every SYM scooter we sell, in 2 – 3 weeks time we will have a super happy customer rolling by and telling us what a great time he/she is having riding around on their new scooter. With the great support we get from CARTER and the top-notch quality products from SYM, we look forward to a long and prosperous relationship.

Eric Halladay, Owner  
First Kick Scooters, INC.  
SF Moto

