

## Specification for HKC hho system

### 1. Technology

#### 1.1 Introduction:

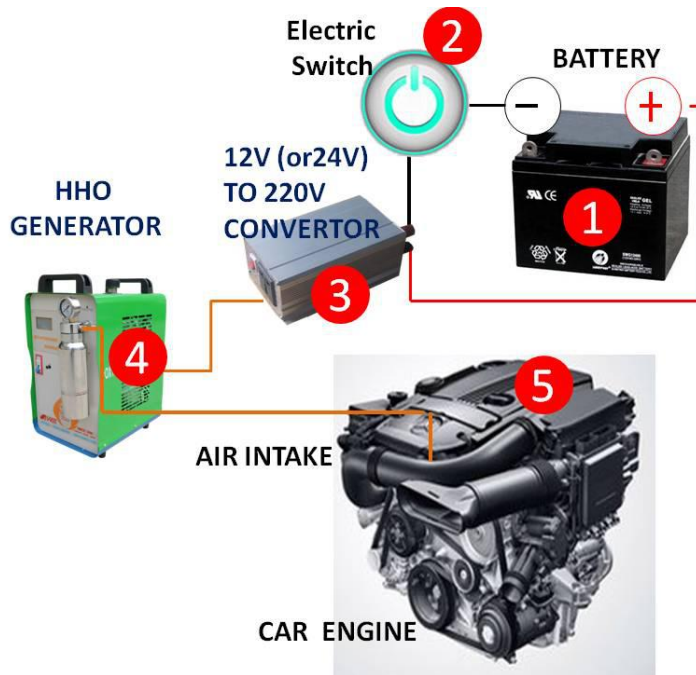
HKC hho system(hho generator kits) is a kind of hydrogen fuel saver kits mounted on cars, trucks, ships etc for engine completely combustion and engine power increased, fuel economy rising up and carbon emissions reduced. In general, the diesel or petrol type of engine mounted with HHO kits can save fuel up to 20% and LPG type of engine can fuel saving up to 40%.

#### 1.2 Product Specification

Model	HKC100
Type	industrial type
DC voltage(V)	12/24
Power consumption(kw/h)	0.35
Max gas output(L/h)	100
Max water consumption(L/h)	0.06
Water feed	manual
Working time	about 10hours after adding water per time
Dimension-L*W*H(mm)	390*250*510
Gross weight(kg)	20

Model	HKC200
Type	industrial type
DC voltage(V)	12/24
Power consumption(kw/h)	0.7
Application	Suitable for 3.0-6.0 liters trucks, buses
Max water consumption(L/h)	0.11
Water feed	manual
Working time	about 10hours after adding water per time
Dimension-L*W*H(mm)	450*250*510
Gross weight(kg)	25

## 2. Installation



1. BATTERY of car is install in the engine room



2. Electric switch install in the driver room



3. HHO generator and DC TO AC inverter is install in the luggage room of the car



4. HHO gas pipe insert into the air inlet.

## 3. Testing reporter

(This test reporter is provide by a Japanese customer)

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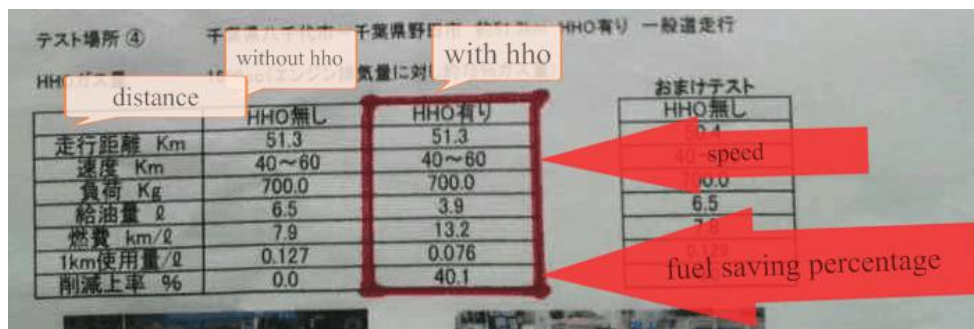
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**3.1 Comparison of fuel consumption:**

**Test Table.1**

Car No. 京都 200 あ.432	Fuel consumption	Mileage	Fuel mileage
Without HHO	11.73Liters	141.3Km	12.04Km/Liter
With HHO	10.83Liters	154.2Km	14.23Km/Liter

**Test Table.2**



	without hho	with hho
走行距離 Km	51.3	51.3
速度 Km	40~60	40~60
負荷 Kg	700.0	700.0
給油量 ℓ	6.5	3.9
燃費 km/ℓ	7.9	13.2
1km使用量/ℓ	0.127	0.076
削減上率 %	0.0	40.1

From the above tables, we can know the fuel mileage is up after with hho gas.

**3.2 Comparison of carbon emissions rate.**

Taxi: 京都 530 < .I 02    Fuel:LPG    Data:16-4-14

Emission Type	Before	After	Emission Reduction Rate
CO(%)	0.99	0.53	46%
HC(ppm)	732	117	84%
CO2(%)	13.2	13.9	-5%
O2(%)	3.32	0.13	96%

**4.Advantages:**

- 1).Fuel saving;
- 2).Cost effective;
- 3).Engine power improved;
- 4).Lower carbon deposits;