

# IC Engine

## IC ENGINES

### HEAT ENGINE

Any type of Engine or machine which derives heat energy from the combustion of fuel or any substance and converts this energy into Mechanical work is termed as heat engine.

- External Combustion Engine (E.C Engine)  
Combustion of the fuel takes place outside the cylinder
- Internal Combustion Engine (I.C Engine)  
Combustion of the fuel takes place inside the cylinder

Cycle of operation	(i) Two stroke engine (ii) Four stroke engine
Cycle of combustion	(i) Otto cycle engine (ii) Diesel cycle engine (iii) Dual cycle
Arrangement of cylinders	(i) Horizontal (ii) Vertical (iii) V-type (iv) Radial
Uses	(i) Stationary (ii) Portable (iii) Marine (iv) Automobile (v) Aero
Fuel Employed	(i) Oil (ii) petrol (iii) Gas (iv) Kerosene
Speed of the Engine	(i) Low speed (ii) Medium speed (iii) High speed
Method of Ignition	(i) Spark Ignition (ii) Compression Ignition
Method of cooling the cylinders	(i) Air cooled (ii) Water cooled
Method of governing	(i) Quantity governed (ii) Quality governed
Valve arrangement	(i) Overhead valve (ii) Inhead (iii) Underhead (iv) Flat-head
Number of cylinders	(i) Single cylinder (ii) Multicylinder

# Ic Engine Notes

**CO Houle**



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