

4-Stroke Engine

- Produce more pollution
- Long engine life
- Not required
- Complex design

2-Stroke Engine

- Less pollution
- Short engine life
- Required a mix of oil to lubricate the crankshaft
- Simpler design

4-Stroke Engine

- One cycle completed in every 2 revolution of crankshaft
- More moving parts
- More maintenance
- Heavy in weight
- More expensive

2-Stroke Engine

- One cycle completed in every revolution of crankshaft
- Less moving parts
- Less maintenance
- Light in weight
- Less expensive

Disadvantages :

- High fuel consumption.
- Compression ratio and thermal efficiency is less than that of four stroke engine of the same dimension.
- Consumes more lubricating oil.
- More wear & tear of moving parts hence it gives loud noise.

Advantages :

- There is no suction and exhaust valve used, hence no need of cam, camshaft and rocker arm etc.
- Gives less torsional oscillation.
- Requires less spare parts.
- Easy for maintenance.

Advantages :

- One cycle completed in every revolution of crankshaft.
- It is more compact, required less space and lighter in weight than four stroke engine.
- The design & construction is much simpler than four stroke engine.
- Easy to manufacture & low cost.