

KS90 operation details

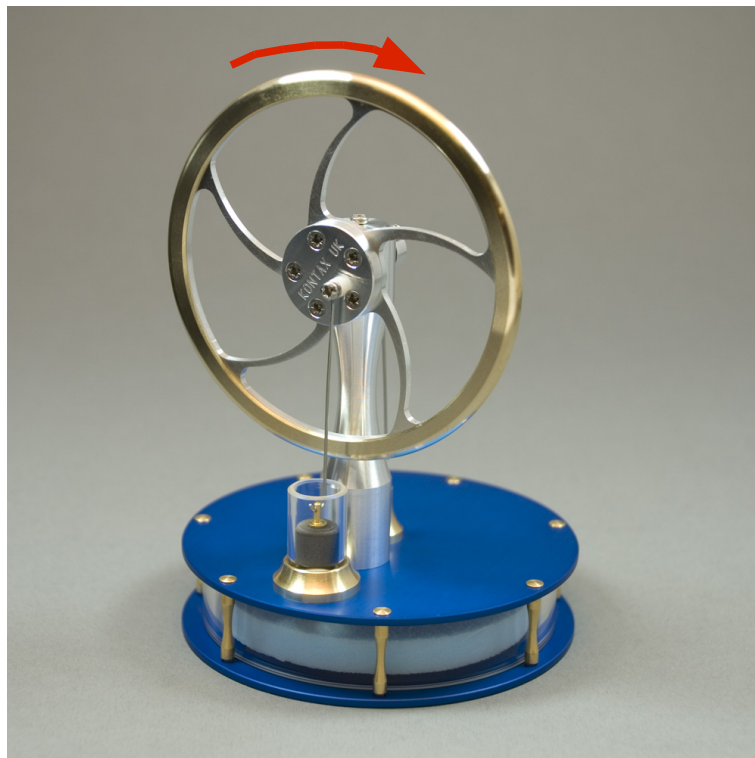
The Kontax KS90 engine has been endorsed by the Glasgow Science Centre in Scotland, the home of the Stirling engine.

Your KS90 engine is a low temperature engine and requires only a small difference in temperature between the bottom and top plates to operate. It does not need anything hotter than hot water to run. In fact, anything hotter will damage it. DO NOT place it on a high temperature heat source (e.g. oil/wood burning stove, candle, Aga stove). If you do, it will melt a number of parts on the Stirling engine. It can be placed on top of a recently boiled cup of water/tea/coffee, but nothing hotter.

The KS90 has been specifically designed to run on hand heat, but will run equally as well from a wide variety of heat sources. Other typical heat sources include:

- Digital TV box
- adsl modem
- hot water - tea or coffee
- warm sunlight
- table lamp

The engine is not self-starting, you will need to give the flywheel a little spin to get it going. After the engine has been on your heat source for half a minute to a minute, gently spin the wheel and your engine should carry on running.



The engine will operate in reverse if you place it on a bowl of ice. This is because Stirling engines actually operate on a temperature *difference*, and it really doesn't matter if the top plate cools (as in conventional running), or the bottom plate is cool (as in ice running).

Keep the engine in a clean, dust-free environment and try not to subject it to sharp knocks.