

DESIGN A MOVABLE AIR COMPRESSOR

Prepared by: Goh Ket Ching

ABSTRACT

The objectives of my title 'Design a Movable Air Compressor' is to indicate the proper procedures in designing and application of air compressor for the remote job sites. Compare to the air compressor, which already exists in the market, my design is considered better or even more efficient. It is because in my design project, I using a 4-stroke engine with flywheel to power up a compressor to generate a high-pressure air. Then, the air is forced and stored into a storage tank. Besides that, the speed (rpm) of the compressor is adjustable. We can easily control the speed that we needed for certain application. No electricity needed to run this prototype. In order to carry the machine more easily, two wheels and one handle are welded at the storage tank. The air compressor is easy to carry by pulling the handle. Some information that I have included in this report is taken from sources such as the internet, and library. The name of the sources of the information can then be referred to the section reference at the back of this report.