

MULTISTAGE AIR RECOVERY SYSTEM

Prepared by: Ng Li Hao

ABSTRACT

Multistage air recovery system is a simple mechanisms used to generate electricity by using air coming from an air-con compressor unit. The system is design for generating electricity. This system is similar like wind turbine, the only different is the size is smaller. In this report, a unique design of a multistage air recovery system is proposed which is very easy to manufacture. Each part, including the dynamo, fan, pvc pipe and electronic part are ease to get, the diffuser is made of an thin alloy sheet. The manufacturability of the proposed multistage air recovery system is a low cost of production. Multistage air recovery system is also like a simple charger allows charging rechargeable battery like AA and AAA size rechargeable battery. In this project the effort was to design an efficient small wind generator which only power by air coming out from an air-con compressor unit and be capable of storing electricity in battery.

There are some diagrams and picture have been attached to give more idea and to understand easily of the project and the concept of how it is manufactured and works.