

# COMPRESSOR PART IN REFRIGERATION SYSTEM

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## ABSTRACT

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This project consists of one main part, which is compressor in refrigeration system.

First, I have given an guideline in refrigeration system, then i described the 4 main parts in refrigeration system, those are evaporator, compressor, condenser and expansion valve. Then, I concentrate in the compressor part.

In the compressor, I have divided in into several parts which is the types of compressors which describes the function and operating parts, compressor ratio, coefficient of performance, the control of compressor capacity by variable speed motors and with such method as hot gas bypass, cylinder bypass and cylinder unloading and last is the need of adequate lubrication.