

DESIGN OF AN AIR CONDITIONING SYSTEM  
FOR A SUPERMARKET

Project report submitted by

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in part satisfaction of the award of  
Diploma of Technician Engineer in  
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Type of project : Individual

June 1989



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ABSTRACT

The purpose of this project is to design the air conditioning system for a supermarket in Nicosia.

The installation of an air conditioning system is a necessary requirement for the comfortable shopping of the customers at the shops and also for comfortable work at the offices and shops.

In order to meet the above requirements and this to achieve the purpose of this project, equipment of the proper capacity were selected and properly positioned.

## C O N T E N T S

Introduction

CHAPTER 1 : "U" Value

CHAPTER 2 : Cooling and Heating Loads Estimate

CHAPTER 3 : System Selection

CHAPTER 4 : Piping System Design

CHAPTER 5 : Air Duct Design

CHAPTER 6 : Selection of the appropriate machinery and equipment

CHAPTER 7 : Maintenance

CHAPTER 8 : Cost Analysis

CHAPTER 9 : Conclusions

Manufacturers catalogues

References

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Drawings

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