

DESIGN OF AN AIR CONDITIONING SYSTEM  
FOR A BUILDING

By :

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## SUMMARY

The aim of this project is to design an Air Conditioning System for a building in Nicosia.

Architectural drawings for the building were provided. Design conditions were selected from Handbooks.

Energy conservation and noise control were considered as a major factor in the design of the system.

This project has been separated into three major parts.

The first part deals with the calculation of the cooling and heating loads.

The second part deals with the selection of the system to be employed and the sizing of equipment and piping as well as the selection of equipment from manufacturer's catalogues.

The third part provides an estimated cost analysis for the entire system employed and a scheme of maintenance for the equipment used.

A complete set of detailed mechanical drawings is being provided in which the location of all air conditioning equipment (including piping and controls) is illustrated.

## CONTENTS

SECTION	PAGES
<i>Acknowledgements</i> .....	ii
<i>Summary</i> .....	iii
<i>Introduction</i> .....	iv
 <i>Part A</i>  	
<b>CHAPTER 1: ESTIMATION AND CALCULATION OF "U-VALUES"</b>	
1.1 Estimation of "U-values".....	1
1.1.1 Thermal Resistances of materials.....	1
1.1.2 Surface Resistances.....	2
1.1.3 Thermal Resistances of air spaces.....	2
1.2 Calculation of U-values.....	3
1.2.1 External Walls (Winter).....	4
1.2.2 External Walls (Summer).....	5
1.2.3 Partition Wall.....	6
1.2.4 Roof.....	7
1.2.5 Floor.....	8
1.2.6 Partition Wall.....	9
1.2.7 Columns.....	10
1.2.8 Columns(Part of Outside Wall).....	11
1.2.9 External Door.....	12
Summary of "U-values".....	13
 <b>CHAPTER 2: DESIGN CONDITIONS</b>	
2.1 Introduction.....	15
2.2 Selection of Design Conditions.....	16
 <b>CHAPTER 3: AIR CONDITIONING LOADS</b>	
3.1 Introduction.....	17
3.2 Cooling Load Estimation.....	18
3.3 Cooling and Dehumidification Load Calculations.....	18
3.3.1 Heat Transmission Calculations.....	18
3.3.2 Solar Heat Gain Through Glass.....	18
3.3.3 Room Loads.....	19
3.3.4 Heat Gain from Outside Air.....	19
3.4 Heating Load Estimation.....	19
3.5 Heating Load Calculation.....	19
3.5.1 Transmission Losses.....	19
3.5.2 Infiltration Losses.....	20
3.6 Load Calculations.....	20
3.6.1 Data used for the calculations of the loads.....	20
3.6.2 Exterior Wall Information.....	20
3.6.3 Roof Information.....	21
3.6.4 Glass Information.....	21
3.6.5 Shading Information.....	21
3.6.6 Glass Area.....	21

3.6.7 Miscellaneous Information.....	22
3.6.8 Partitions, Ceilings and Floors.....	22
3.6.9 Infiltration.....	22
3.6.10 Basement Elements.....	22

*Part B*

**CHAPTER 4: AIR CONDITIONING SYSTEMS**

4.1 Central Station Systems.....	23
4.2 Unitary Systems.....	23
4.3 Fan-Coil Unit System.....	23
4.4 Split-Unit Systems.....	23

**CHAPTER 5: SYSTEM SELECTION**

5.1 Fan-Coil Unit System.....	24
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**CHAPTER 6: PIPING SYSTEM DESIGN**

6.1 Piping System Informations.....	25
-------------------------------------	----

**CHAPTER 7: SIZING AND SELECTION OF EQUIPMENT**

7.1 Air Cooled Heat Pump Chiller.....	26
7.1.1 Selection of Air Cooled Heat Pump Chiller.....	26
7.2 Selection of Fan-Coil Units.....	27
7.3 Selection of Split-Units.....	27
7.4 Water Pipe Sizing.....	27
7.5 Water Pump.....	27
7.6 Expansion Tank.....	27

*Part C*

**CHAPTER 8: MAINTENANCE**

8.1 Introduction.....	28
8.2 Heat Pump Chiller.....	28
8.3 Fan-Coil Units.....	28

**CHAPTER 9: ESTIMATED COST ANALYSIS**

9.0 Estimated Cost Analysis.....	29
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**CONCLUSIONS**

Conclusions.....	52
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**APPENDIXES**

Appendix 1: Results.	
Appendix 2: Tables.	
Appendix 3: Computer Forms.	
Manufacturers Catalogues.	