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Design in Thailand
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Abstract

The objective of this thesis is to develop the package program for air-conditioning system design in Thailand by PC microcomputers. The Language used to develop the program is the C programming language. The program will display various factors on the monitor as a user interface so that the designer can select the necessary factors for the cooling loads and the air duct design without the use of an air-conditioning handbook. This package program is useful in air-conditioning system design in building, both mechanical and electrical parts and for those who interests in this field of design in general. Our work in details Comprises of:

1. Program for cooling load calculation
2. Program for air duct design

The result obtained from this program when comparing with that of hand calculation is very much time saving and gives better accuracy. The development of basic Computer system is appropriate to Thai occupation development.