

## **2 GETTING STARTED**

- 2 GETTING STARTED 9
  - 2.1 What You Need to Get Started 9
    - 2.1.1 Hardware Requirements 9
    - 2.1.2 Diskette Requirements 9
    - 2.1.3 Optional Hardware and Software 9
  - 2.2 Backing Up 10
  - 2.3 Instructions for Hard Disk Installation 10

## 2 GETTING STARTED

### 2.1 What You Need to Get Started

Outlined below are the hardware and diskette requirements for using ASEAM3.0 and an optional list of hardware and software that will allow you to take advantage of ASEAM3.0 features.

#### 2.1.1 Hardware Requirements

- Any IBM-PC (or compatible computer) with a minimum 256K (kilobytes) of Random Access Memory (RAM). ASEAM3.0 does not take advantage of any additional RAM your computer may have.
- a hard disk for program storage. Input data and calculation results can be stored on either floppy diskettes or in a subdirectory on the hard disk.
- a diskette drive for reading and installing the ASEAM3.0 diskettes.
- Any monochrome or color video display terminal. In order to see the graphic display of calculations, you should have either EGA or VGA capabilities.
- Disk Operating System (DOS), 2.0 or higher.

#### 2.1.2 Diskette Requirements

As outlined in Chapter 1, ASEAM3.0 is distributed on several diskettes. On each diskette, there are one or more large self-extracting files that, when executed, will expand into ASEAM3.0 files. Section 2.3 has instructions on installation.

#### 2.1.3 Optional Hardware and Software

ASEAM3.0 can perform calculations with the hardware and diskette requirements outlined above, but you may find it advantageous to have the following:

- **Serial or parallel printer:** ASEAM3.0 does not contain codes that require a specific printer. Nor does it require a wide-carriage printer. You can run the calculations without a printer and save the output files on the data disk for printing later.
- **EGA or VGA graphics adaptor:** To display the graphic calculations, it is suggested that you have an EGA or VGA color graphics adapter for your computer and a video terminal capable of displaying graphics. If your computer is not so equipped, your terminal will display only the text portion of the display and will not display the representations of HVAC system and plant equipment.
- **LOTUS 1-2-3:** Many of ASEAM3.0's outputs are written in ASCII data files (.PRN extension with numbers delimited by commas) that can be "imported" directly into the LOTUS 1-2-3 spreadsheet without conversion.

Once in LOTUS, the data in these files can be graphed, further calculations made, and regression analyses performed on parametric input variables (only LOTUS Version 2 for regression). A spreadsheet file (AS3TEMPL.WKS) is also included in ASEAM3.0 that formats outputs by executing stored "macros." This program is recommended especially for parametric processor analyses. Note: ASEAM3.0 output files have not been tested with other spreadsheet programs which may be capable of importing the data.

■ **BASIC Compiler:** If changes are to be made to ASEAM3.0, you will need a BASIC compiler. The executable code of ASEAM3.0 was compiled using the Microsoft QuickBasic Compiler (Version 4.5).

## 2.2 Backing Up

Diskettes are susceptible to damage, and therefore you should always make backup copies of original diskettes. ASEAM3.0 diskettes are no exception. Backup diskettes are recommended, but since you will be running ASEAM3.0 exclusively from a hard disk, it is not absolutely imperative that you make backup copies of ASEAM3.0 because you will use the original diskettes only once - to install ASEAM3.0.

Also, since ASEAM3.0 is in the public domain, there are no copy-protection stipulations or copyright infringements.

## 2.3 Instructions for Hard Disk Installation

Located on Disk #1 are a 'README.BAT' batch file and an installation batch file. Please review the 'README.BAT' file before installing ASEAM3.0. Insert the diskette labeled ASEAM3.0 Disk #1 into your diskette drive (e.g. drive 'A'), and make the diskette drive the current drive by typing 'A:', followed by CR. To view the 'README.BAT' batch file, you must 'type' or 'print' the file from the DOS prompt. For example,

"TYPE README.BAT" followed by CR.

Instructions for installing ASEAM3.0 are contained in the 'README.BAT' file. The installation batch file automatically makes several subdirectories on your hard disk for program, data and weather storage.

*Warning: you should have at least 2 megabytes available on your hard disk.*

**Note:** You may want to copy the remaining diskettes (source code and User's Manual) onto your hard disk. It is not required nor recommended, however. The additional storage required for these infrequently used files is very large. Nevertheless, should you wish to do so, continue with the following steps:

Make subdirectories for the remaining ASEAM3.0 files. It is recommended that you make two subdirectories, one for the source code and one for the User's Manual.

(e.g. "MD C:\AS3SRCE" followed by CR,  
"MD C:\AS3MANUL" followed by CR.)

Insert the ASEAM3.0 User's Manual Diskette and Source Code Diskette into your disk drive and *execute* the self-extracting file to copy the appropriate source code and User's

Manual files to your subdirectory.

*Important - follow the program name executable files (e.g. AS3SRCE1.EXE) with the path and directory names where the files are to be installed. Do not use the COPY command since the files remain in the compressed format.*

e.g., "AS3SRCE1.EXE C:\AS3SRCE" followed by CR,  
"AS3SRCE2.EXE C:\AS3SRCE" followed by CR,

and

"AS3MANL1.EXE C:\AS3MANUL" followed by CR,  
"AS3MANL2.EXE C:\AS3MANUL" followed by CR.

ASEAM3.0 is now installed on your hard disk.

