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# APPENDIX A

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## LIST OF AVAILABLE COMPUTER FILES

This appendix lists the computer files that are available on a computer disk. The disk called “absmodel” is either bounded with the thesis or can be obtained from the Solar Energy Laboratory, University of Wisconsin-Madison, 1500 Johnson Drive, Madison, WI 53706-1687, Tel: (608) 263-1586, Telefax: (608) 262-8464. The disk is an IBM formatted, 3 1/2 inch disk.

### Computer files

- 1) DFDELIBR.EES
- 2) DFDELIBR.XPT
- 3) DFDELIBR.TXT
- 4) TRNCODE.TXT
- 5) TRNDECK.TXT

The first file, DFDELIBR.EES, is the EES (Windows Version) program file for the steady state direct-fired double-effect absorption chiller model. This file contains all the model equations, inputs, and parameters. More importantly, this file contains all the guess values and limits, and can be executed using EES. Also included is a cycle diagram in the diagram window. The file can be opened directly from the EES program (windows version), as is, and solved. The obtained solution at the nominal full-load condition is given in Appendix B.

The second file, DFDELIBR.XPT, is an EES export file created from the chiller model program file, DFDELIBR.EES. This file can be opened in any operating system version of EES and executed. The guess values are included in this file, but the diagram is not.

The third file, DFDELIBR.TXT, is a text file containing the model equations used in the chiller model program file, DFDELIBR.EES. This file only contains the equations and can not be solved in the EES program due to insufficient guess values.

The fourth file, TRNCODE.TXT, is a text file containing the TRNSYS absorption chiller component model FORTRAN source code.

The fifth file, TRNCODE.TXT, is a text file containing a sample TRNSYS deck file for one of the absorption chiller system optimizations.