

# GENSYS TIP SHEET

## How to Load the GENSYS Program

### Getting Started 😊

#### *Loading the program:*

1. Input CD: Locate your CD drive using your file manager (usually the D: drive)
2. Click or double click on the Power~me.exe file to execute
3. Enter in the drive and folder name you would like to save the program in (default is C:\Power~me)
4. Click “Unzip”
5. Enter password (MAGNAMAX – ‘All CAPITAL Letters’)
6. Click “OK”, then Click “Close”
7. The Gensize functions will be located in the “Programs” folder within the drive and folder name that you setup in step #3 above.
8. Continue

#### *Creating a shortcut:*

TO MAKE IT EASIER TO ACCESS THE GENSIZE PROGRAM, ADD A SHORTCUT TO YOUR DESKTOP....HERE’S HOW:

Right mouse click when your cursor is on your desktop. Select “New”, then “Shortcut”. Browse to locate the drive and folder name, or enter in the drive and folder name from Step #3 above (the default would be C:\Power~me\programs\gensys.xls). Then click next. Then choose the desired shortcut name and click finish.

#### *Opening the GENSIZE program:* (Always open gensys.xls, which also opens all other programs.)

1. Click the GENSIZE icon on your desktop,  
OR,

Locate the drive and folder name chosen in step #3 above and click to open (the default would be C:\Power~me\programs\gensys.xls)

2. If Asked:

-Click “yes” to update workbooks

-Click “enable” to enable macros

-Enter the drive letter (in capitals) you selected in step #3 above (default is C), click OK

Now you have access to the following programs/workbooks:

- GENSYS.XLS (Sizing Program)
- DATASHTS.XLS (Creating Data Sheets)
- DECREMNT.XLS (Creating Decrement Curves)
- GENLOG.XLS (Saving and Logging Jobs)

# Using the GENSYS Program

## Sizing a Generator - GENSYS.XLS

1. See “**Getting Started** ☺”. Once you have the program loaded and open, go to step #2.
2. Click Window/GENSYS.XLS
3. Click “load\_entry” worksheet (bottom of the page)
4. Click “choose connection” (left side of page)
  - Select voltage and click “use selection”
  - Select frequency and click “OK”
5. Select phase, 3 or 1 (selected phase becomes green)
6. Entering Loads:
  - **Enter MOTOR load** (on right half of screen)
    - a. Use “drop down box/arrow” next to “3 phase motor hp” to select hp
      - Load values will be listed in upper left table
    - b. Use the “up and down arrows” next to “Quantity” to select quantity of motors
    - c. Use the “up and down arrows” next to “Block/Start Sequence” to select phase sequence
    - d. Type in “customer ref:” if desired, then hit enter
    - e. To send load to load listing, click “ADD” (top middle of page)
    - f. Repeat for additional motors
      - Note: Additional features may be used to more accurately reflect your loads
  - **Enter NON-MOTOR load** (lower left portion of screen)
    - a. Use drop down box next to “other loads” to select load type
    - b. Select “unit of measure”
    - c. Type in load value next to “enter load:”, then hit enter
    - d. Click “push to process non-motor load entry”
      - Load values will be listed in upper left table
    - e. Use the “up and down arrows” next to “Quantity” to select quantity of non-motor loads
    - f. Use the “up and down arrows” next to “Block/Start Sequence” to select phase sequence
    - g. Type in “customer ref:” if desired, then hit enter
    - h. To send load to load listing, click “ADD” (top middle of page)
    - i. Repeat for additional loads
7. Once all loads are entered, click “go to load listing” (upper right)
8. After reviewing all loads, click “load summary”
9. In the load summary worksheet, type in requested items and hit return, also use the drop down arrows to select desired setting.
10. After filling in blanks and making selections, click “update sizing data” (left side)
11. Choose primary design by clicking the down arrow next to “select primary design type desired”
12. Click “process selection”
13. Print file with or without a header (upper right) Note: This will take you to the print preview screen. Continue by clicking “print”, then “OK”.
14. For a listing of the loads, click on the “Print\_Loads” worksheet (located across the bottom). Click “refresh screen”, then click “print”.

# Using the DATASHTS & DECREMNT Programs

## Creating a Data Sheet – DATASHTS.XLS

1. See “**Getting Started** ☺”. Once you have the program loaded and open, go to step #2.
2. Click Window/DATASHTS.XLS
3. A. Selecting a generator by model:  
Choose model by clicking “M.E. Model search”, then enter in desired model number  
(Note: You may enter in any model by using “ \* ”, followed by the last 4 digits of the model number (e.g. \*4005)).

OR,

Use drop down arrow on the right to view listing of models (select model by clicking on model)

B. Selecting a generator by winding:

Choose winding by clicking “Winding search”, then enter in desired winding number

(Note: Enter in numbers only!)

OR,

Use drop down arrow on right to view listing of windings (select winding by clicking on winding)

4. Select frequency (60 hertz or 50 hertz)
5. Entering the load values: “Base values” (on the left) & “Desired values” (on the right)
  - A. Change voltage by clicking “change voltage”
  - B. Change values by clicking “change kW and kVA”, “change kW and pf”, or “change kVA & pf”
6. If your model is not a standard catalog model, you may identify your model on the data sheet by clicking “enter custom model number on data sheet”, typing in new model, and click OK.
7. View typical submittal data by clicking on “Go to 3 phase data sheet page 1”. View typical dynamic characteristics by clicking on “Go to 3 phase data sheet page 2”. Note: You must go to the data sheet through this path the first time to allow the program to compute the data. Once you have done this step once for your selected model, you can go back and forth to the different worksheets by clicking on the desired worksheet (located across the bottom of the page).
8. Print file by clicking “print page 1 or (2)” (located on the right)

## Creating a Decrement Curve – DECREMNT.XLS

1. Complete steps 1-6 above from “creating a data sheet”
2. Once your model is selected and all data is filled in, click Window/DECREMNT.XLS
3. Select the “decrement input” worksheet (located across the bottom of the page)
4. Click “clear all user data” (Yes, do this! This will import your model and info. from the DATASHTS.XLS program)
5. Enter your “customer, job, & user model” if desired.
6. Enter a “fax header” if desired
7. Check (✓) desired boxes (in center of page) to customize decrement curve
8. Click “update data & curve” (in center of page)
9. View decrement curve by clicking “decrement curve 3 ph” worksheet or “decrement curve 3 ph option 2” worksheet (located across the bottom). Note: The “decrement curve 3 ph” and the “decrement curve 3 ph option 2” worksheets only differ by the vertical axis scaling.
10. Print file by clicking “print decrement curve” (located on the right)

# Helpful Hints/Using the GENLOG Program

## *Helpful Hints:*

Click “data” next to the model selection on the “customer\_data” worksheet to obtain a data sheet for that model.

Use the “Window” pull down menu to go back and forth to the following programs/workbooks:

- GENSYS.XLS (Sizing Program)
- DATASHTS.XLS (Creating Data Sheets)
- DECREMNT.XLS (Creating Decrement Curves)
- GENLOG.XLS (Saving and Logging Jobs)

Use the worksheet tabs across the bottom of the page to go to different worksheets within a workbook.

## *Other useful items for GENSYS.XLS:*

- “Find Item”, “Forward” & “Back” – Click these to locate an item
- “Delete Entry” – This will delete the entry shown in the “item” box
- “Delete All” – This will delete all entries in the load listings worksheet
- “Edit Entry” – Click this to edit the entry shown in the “item” box after changes have been made
- “Update all calculations on worksheet” – Click this to make sure worksheet reflects all selected data
- “Clear Screen” – This will clear all data on the worksheet

## GENLOG.XLS

1. See “[Getting Started](#) ☺”. Once you have the program loaded and open, go to step #2.
2. Click Window/GENLOG.XLS