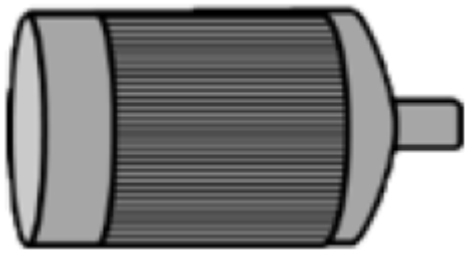


Motor Inventory User Manual

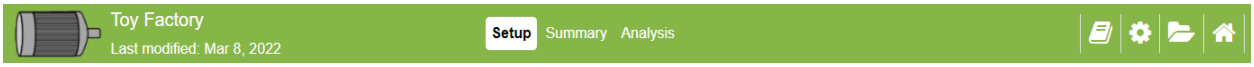
Created By: Oak Ridge National Laboratory

Last Updated: 3/8/2022

Table of Contents

Module Navigation

Use the top banner to navigate around the module. A footer bar with “Next” and “Back” button can also be used to move through the Setup.



Main Tabs

Setup – Create your motor inventory.

Summary – Reports and visuals of your inventory.

Analysis – Quick bulk Replace/Rewind analysis.

Additional Buttons

Book – The book will open a new window with the Motor Inventory User Manual you are reading.

Gear – The gear wheel will navigate you to MEASUR’s global settings page.

Folder – The folder will navigate you to the assessment dashboard folder this assessment is in.

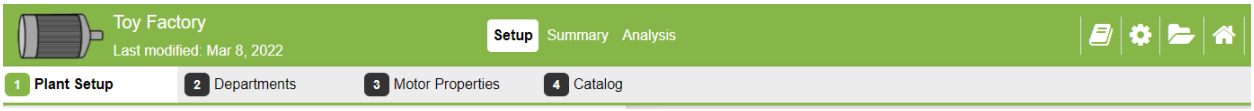
Home – The house will bring you to MEASUR’s home page.

Setup

The system setup is where you enter the baseline data for your wastewater treatment system. The system setup is broken up into four tabs, each with a related set of input fields to be filled out. Field by field help text is provided for each input field, it will appear in the help panel when an input field is clicked on.

Navigation

Use the second bar to navigate to different sections of the Setup. The tabs will be color coded to indicate the state of the corresponding tab data. Tabs will be disabled if the previous steps have errors in their data.



Plant Setup – Select the units of measure to be used for the inventory.

Departments – Setup departments that each motor will belong to.

Motor Properties – Chose which motor fields to include in your inventory catalog

Catalog – Data entry area in which you add the motors and their properties for each department.

Tab colors:

Green - Valid data entered for tab.

Red – Invalid or missing data entered for tab.

Yellow – Data entered outside of expected range.

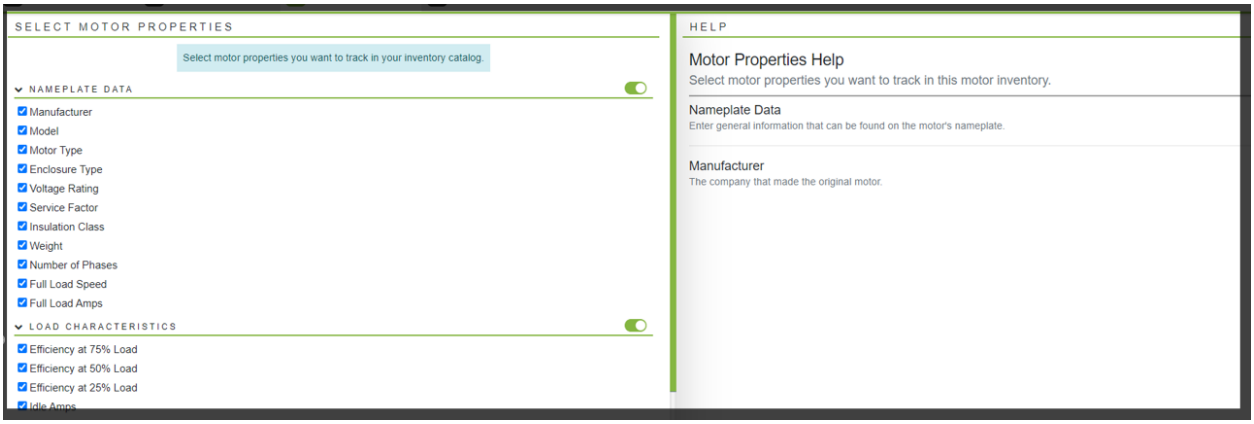
Gray – Disabled tab, previous tabs are incomplete.

Motor Properties

Select the motor properties you want to track in your inventory catalog. An exhaustive list of properties is provided and turned on by default. Only a few are required for the catalog, and a few others are required for the Batch Analysis. Those required properties are indicated in the application.

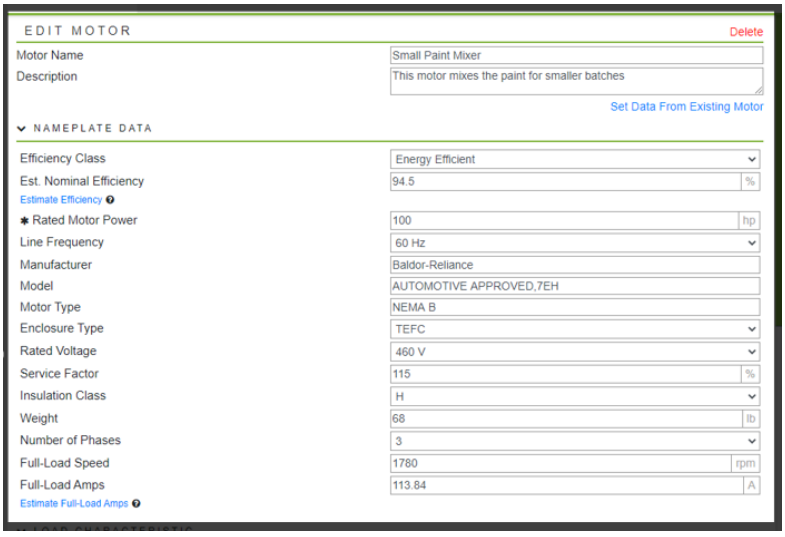
Help text in the panel on the right will give a description of any property that is clicked on.

The properties are broken up into like sections, toggle entire sections on/off with the slider on the right side of the section label.



Catalog

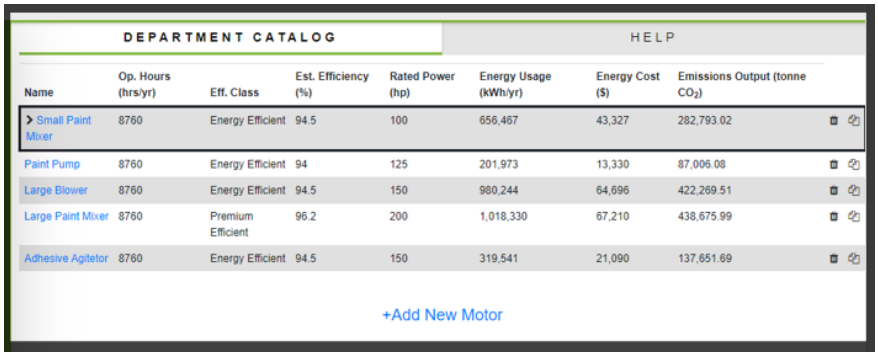
The “Catalog” is where you add and mange your motors. There will be a tab representing each department that is added in the “Departments” tab.



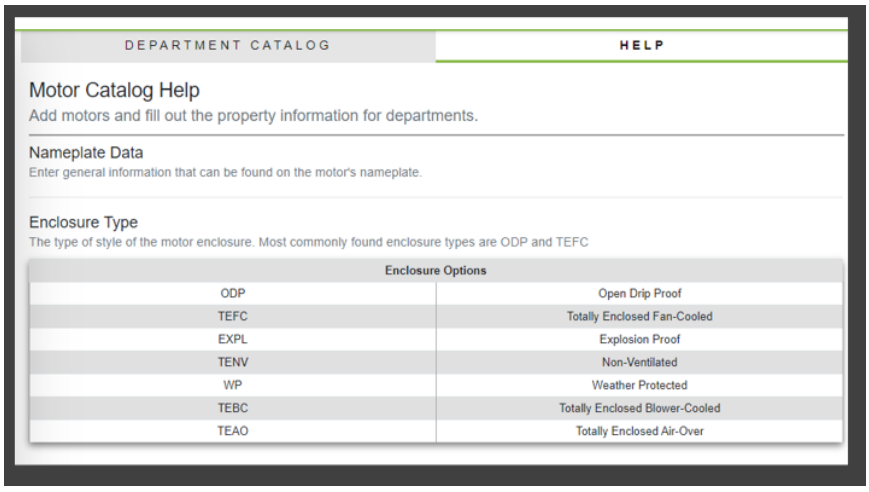
“Set Data From Existing Motor” will open a modal with a list of generic motors for you to choose fom to fill out many of the input fields.

Other links will be provided underneath input labels that can be used to calculate field values.

The right hand panel has the “Department Catalog”, all the motors added to that department. Here you can add new motors, delete existing motors or select them to make changes.



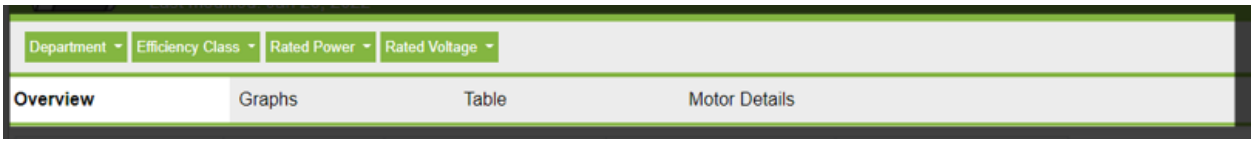
Field by field help text is also found in the right hand panel under the “Help” tab. As input fields are clicked the panel will update with corresponding help text.



Summary

The summary provides a space to view all of your motors together. It provides table and graphical representations of the individual motors and department summaries.

Use the dropdown filters to adjust which motors are included in the summary.



- Overview: Cost, energy use and emissions breakdowns of motors and departments.
- Graphs: Bar or pie charts representing the number of motors having each motor property.
- Table: A table that can be copied to clipboard with all the motors selected and their properties.
- Motor Details: A printable report with the details of each motor and their departments.

Analysis

The analysis provides a simple batch analysis to help estimate the benefits of replacing or rewinding your motors. Use the same filters as the summary section to select which motors to include.

Toggle between table or graphical representations of the analysis on the left.

Choose the “Payback Threshold”, the number of years to determine replacing vs rewinding.

Incomplete motors cannot be determined, use the toggle on the right to hide them in the analysis.