

Altair® FluxMotor® 2025

Motor Catalog

General user information

Contents

1	Motor catalog overview	4
1.1	Main areas of Motor Catalog	4
1.1	1.1 Overview	4
1.1	1.2 CATALOG area of the Motor Catalog application	5
1.1	1.3 MOTORS area of the Motor Catalog application	5
1.2	How to get into Motor Catalog?	7
	Management of catalogs	
2.1	Overview	
	1.1 Main areas	
2.1	1.3 Expanding the menu in Motor Catalog	
2.2		
	2.1 Create a new catalog	
	2.2 Load a catalog	
	2.2.2.1 Introduction	
	2.2.2.2 How to load a catalog?	
	2.3 Rename a catalog	
	2.4 Unload or Delete a catalog	
	2.2.4.1 Introduction	
	2.5 Set catalog as favorite	
	2.2.5.1 Introduction	
	2.2.5.2 How to set a catalog as favorite?	
2.3	General Data information	
2.4	Attachments	
	4.1 Introduction	
	-	
3	Management of motors	19
3.1	Overview	19
3.1	1.1 Main areas	19
3.2	Reference commands	
3.2	2.1 Edit a motor	_
	3.2.1.1 Motor from the reference catalogs	
	3.2.1.2 Motor from User's catalogs	
	2.2 Create a New motor	
	2.3 Rename a motor	
	2.4 Duplicate	
	2.5 Import of motors	
	3.2.5.1 Introduction	
	3.2.5.2 Import of motors from a catalog 3.2.5.3 Import a motor from a folder	
	•	
	2.6 Export of motors	
	-	
3.3	Compare motors	· 34



	3.3.1	Overview	34
	3.3.2	Content management	35
	3.3.3	Compare	36
	3.4	Attachments	37
	3.4.1		
	3.4.2	How to create an attachment?	37
	3.4.3	Management of attachments	38
4	Ext	ternal links	39
	4.1	Browse	
	4.1.1	Overview	39
	4.1.2	Contents of folders	40
	4.1.	.2.1 Overview	40
		.2.2 Folder organization	



I MOTOR CATALOG OVERVIEW

1.1 Main areas of Motor Catalog

1.1.1 Overview

Motor Catalog is a dedicated application to allow an effective management of machines.

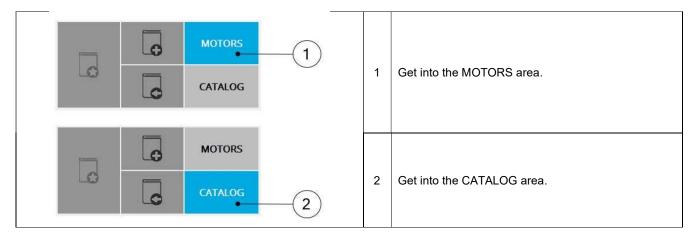
Reference catalogs are available:

- For instance, catalogs in which a few motors for automotive applications are stored.
 All these motors are characterized by general data and performance.
- There are also catalog like "Gallery" of motors characterized by their general data.

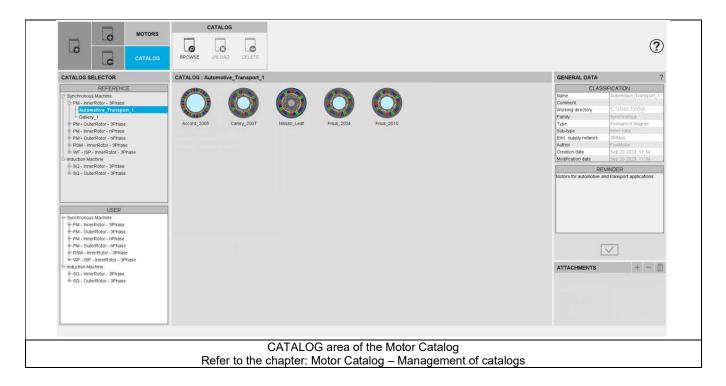
Motor Catalog consists of two main areas:

- The CATALOG area to manage the catalogs
- The MOTORS area to visualize and manage all the motors stored in the selected catalogs

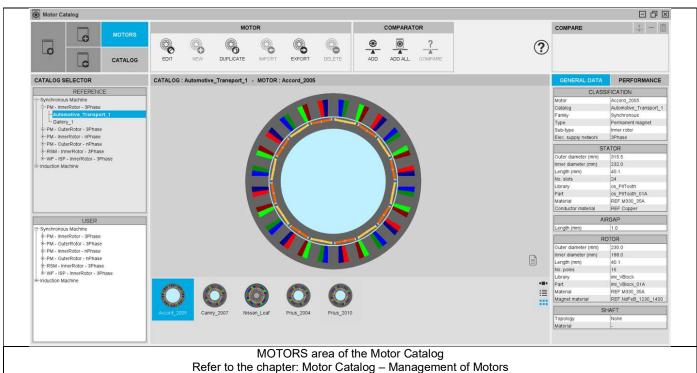
To reach one of these areas, just click on the corresponding button.



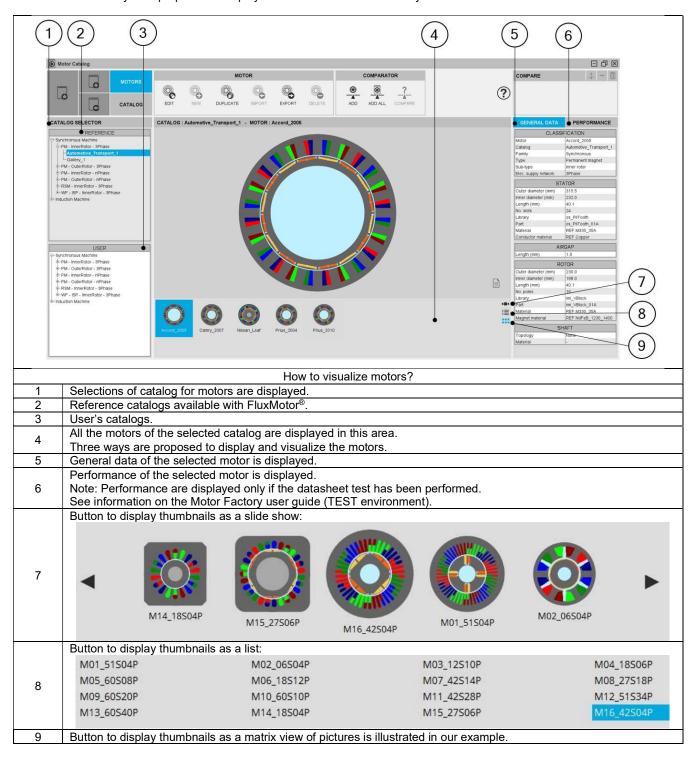
1.1.2 CATALOG area of the Motor Catalog application



1.1.3 MOTORS area of the Motor Catalog application



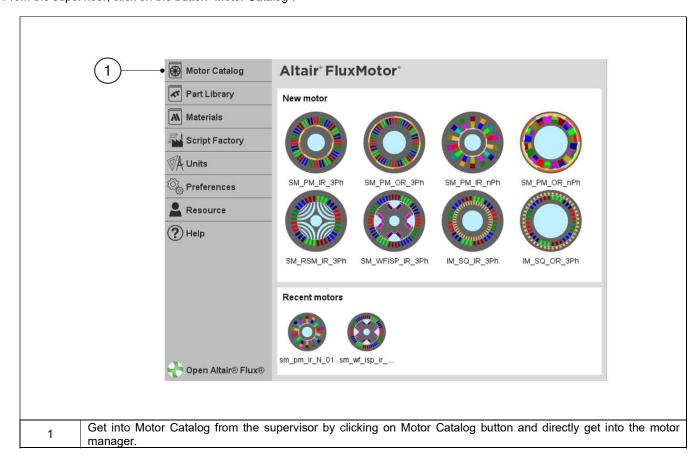
Note: Three different ways are proposed to display and visualize the motors. They are illustrated below:





1.2 How to get into Motor Catalog?

Access to Motor Catalog is possible from the supervisor. From the supervisor, click on the button "Motor Catalog".



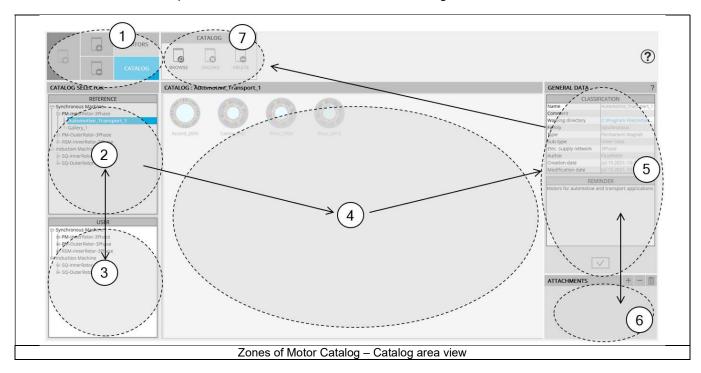


2 MANAGEMENT OF CATALOGS

2.1 Overview

2.1.1 Main areas

Here are the main zones that compose "CATALOG" environment of the Motor Catalog.

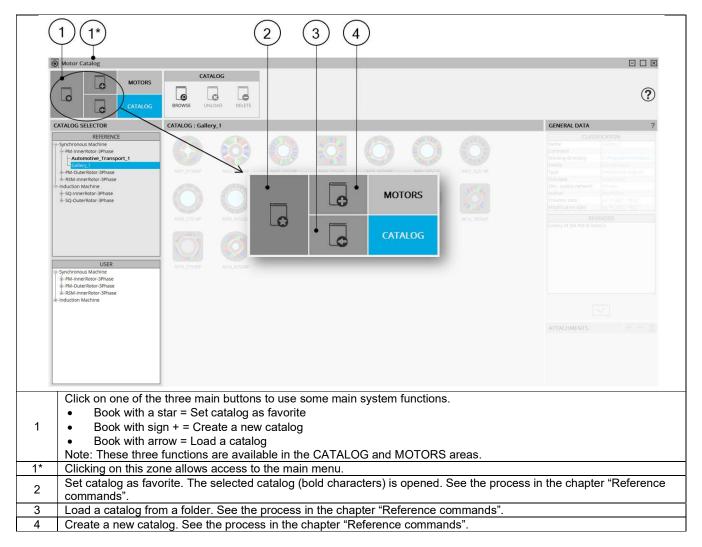


Zone 1	Motor Catalog has two main environments: CATALOG and MOTORS. When CATALOG is selected = Blue color Catalog environment of Motor Catalog is displayed. Moreover, three main functions are available from the top of this panel:		
Zone i	Create a new catalog,		
	Load a catalog		
	Set catalog as favorite		
Zone 2	Reference catalogs are available. Selections of catalogs must be done in this field.		
Zone z	Motors of these catalogs are read only. However, they can be copied and moved into user's catalogs.		
Zone 3	User's catalogs. Selections of catalogs must be done in this field.		
Zone 3	The users can create new catalogs. See the process in the chapter "Reference commands".		
Zone 4	Visualization of all the motors (thumbnails) are stored in the selected catalog.		
	Information relative to the selected catalog.		
Zone 5	"Reminder" is an area in which a memo can be written if needed.		
	Note: The working folder is accessible for all the catalogs.		
Zone 6	It is possible to attach documents to the selected catalog (pictures, pdf files etc.).		
	Catalogs can be managed from this area:		
Zone 7	UNLOAD catalog means to cut the link between the catalog files and the CATALOG environment.		
Zuile /	DELETE catalog means destroy the links and all the associated files and folders.		
	BROWSE allows reaching directly the folder in which stored data of the selected catalog are available.		



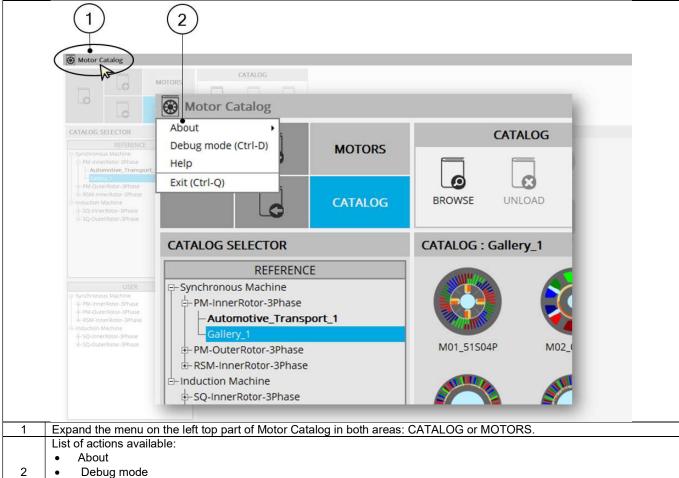
2.1.2 Direct access to main functions

All the functions listed below are described in the section dedicated to reference commands. Note: These commands are available in CATALOG environment as well as in MOTORS environment.



2.1.3 Expanding the menu in Motor Catalog

This menu gives access to system functions related to help and exit.



- Debug mode
 - Help to open the online help documentation directly on the chapter dealing with Motor Catalog
 - Exit for closing Motor Catalog from the top menu of Motor Catalog

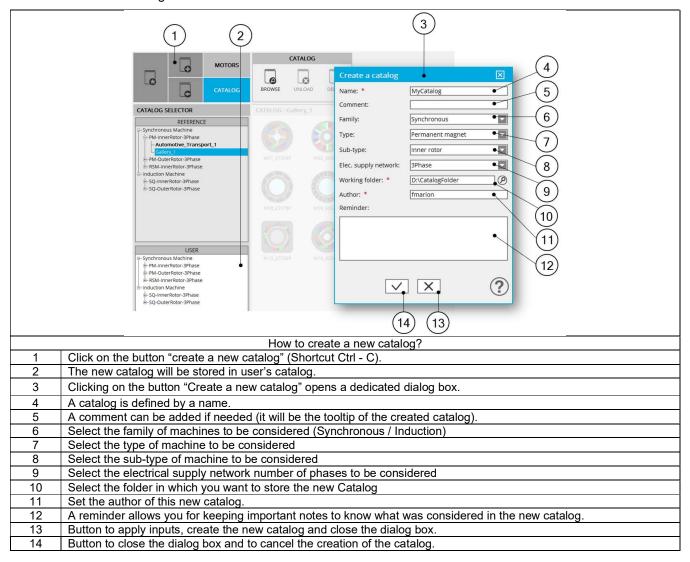


Close Motor Catalog is also possible by using this icon on the right top part of the Motor Catalog panel.

Close Motor Catalog is also possible by using the shortcut CTRL-Q defined in the user preferences. For more information, refer to the chapter "user's preferences".

2.2 Reference commands

2.2.1 Create a new catalog



Note 1: Once created, the catalog corresponds to a folder ("MyCatalog" in our example) in which data are stored about the motors. The catalog folder is stored in a parent folder ("CatalogFolder" in our example).

Note 2: The "Motors" are stored in the catalog folder (folder "Motors").

All the data corresponding to a motor, like the associated materials, parts, are stored in a specific folder. There are also the "Attachments" (folder "Attachments") joined to the motor by the user.

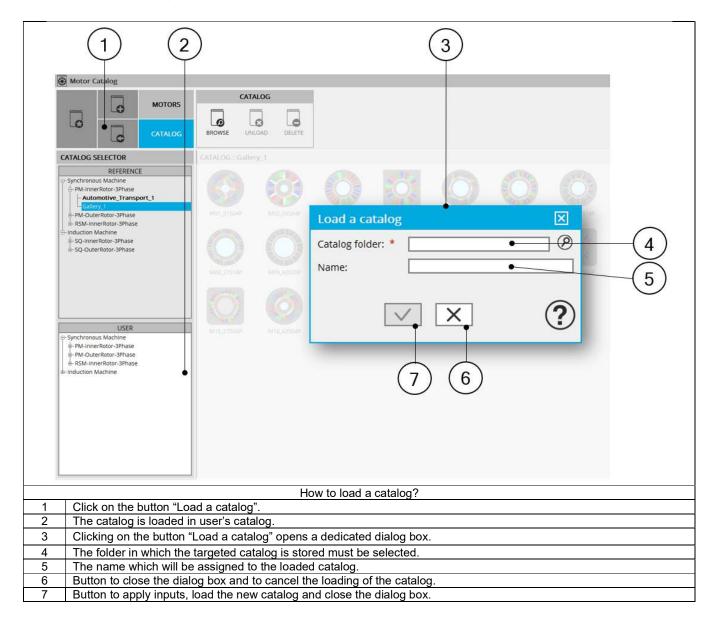


2.2.2 Load a catalog

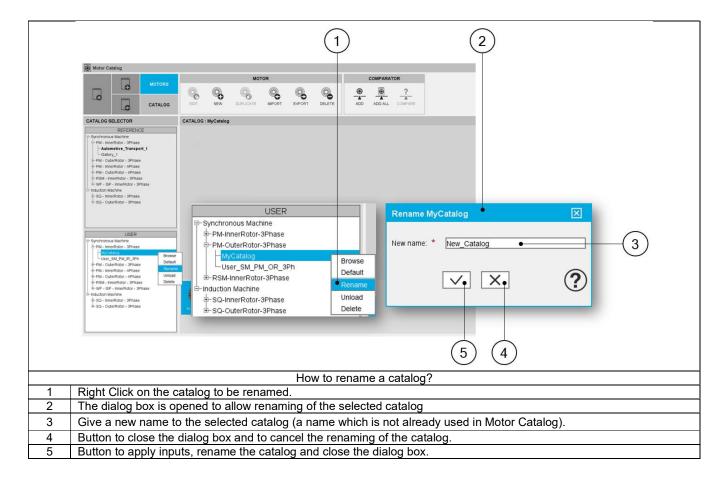
2.2.2.1 Introduction

As explained in the previous chapter, a catalog corresponds to a folder in which data are stored about the motors. Load a catalog allows to create a link between the folder corresponding to the catalog and the Motor Catalog application.

2.2.2.2 How to load a catalog?



2.2.3 Rename a catalog





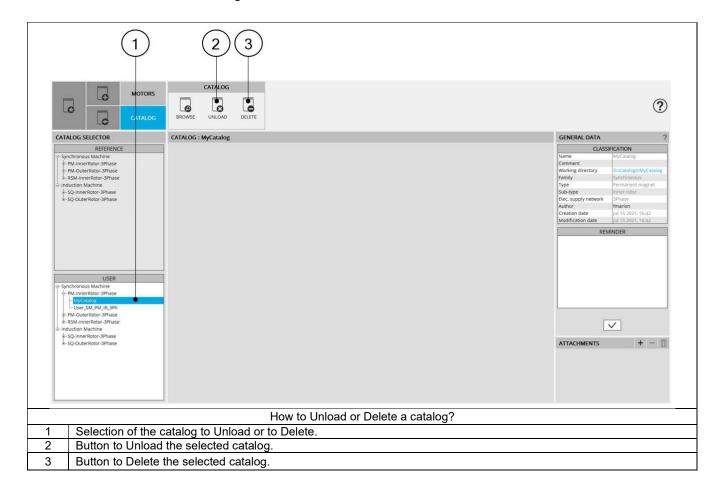
2.2.4 Unload or Delete a catalog.

2.2.4.1 Introduction

Unload a catalog means to cut the link between the folder corresponding to the catalog and Motor Catalog application. However, the folder is not removed. It still exists after having been unloaded and it can be reloaded if needed.

Delete a catalog means to remove the folder corresponding to the catalog. In that case all its content will be deleted and can't be reloaded.

2.2.4.2 How to Unload or Delete a catalog?

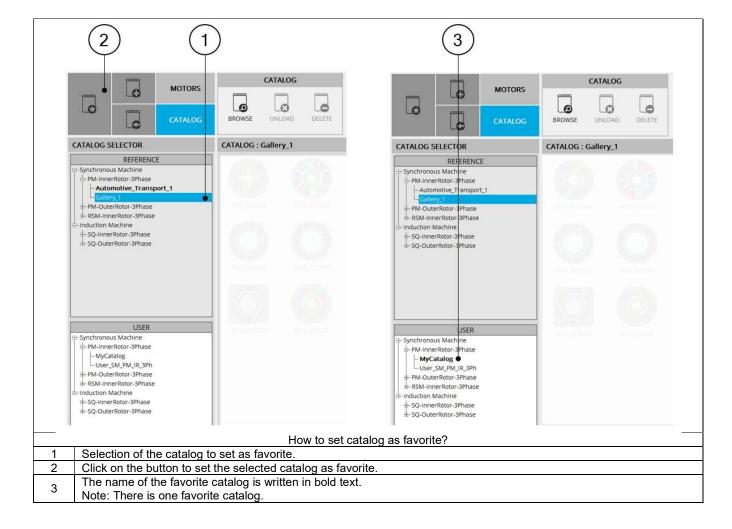


2.2.5 Set catalog as favorite

2.2.5.1 Introduction

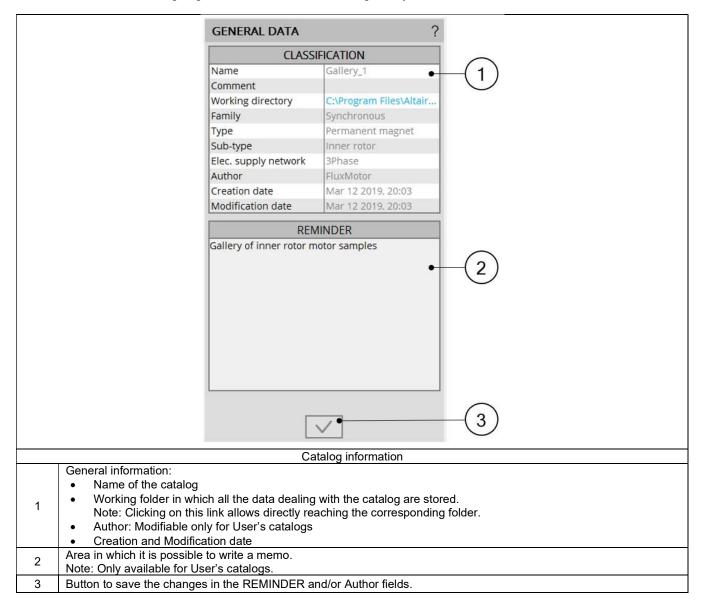
Setting a catalog as favorite allows opening this catalog in first, when opening Motor Catalog.

2.2.5.2 How to set a catalog as favorite?



2.3 General Data information

General Data information allows giving some reference data for catalogs. They are described below.





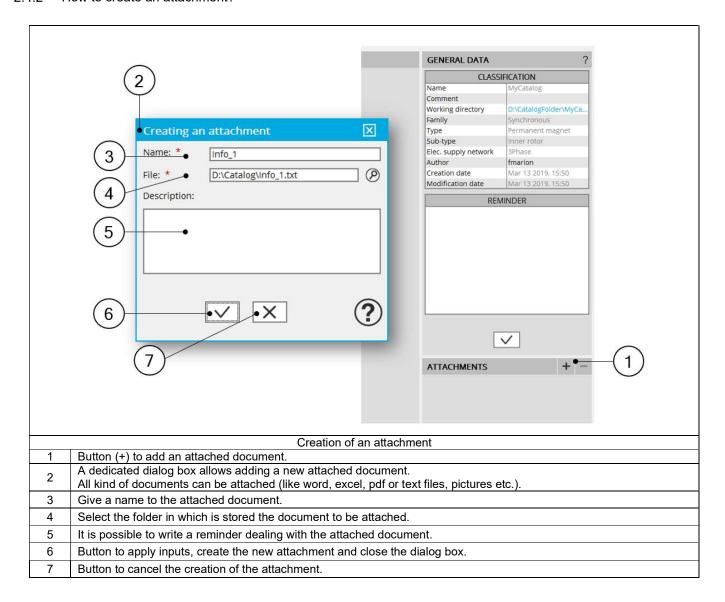
2.4 Attachments

2.4.1 Introduction

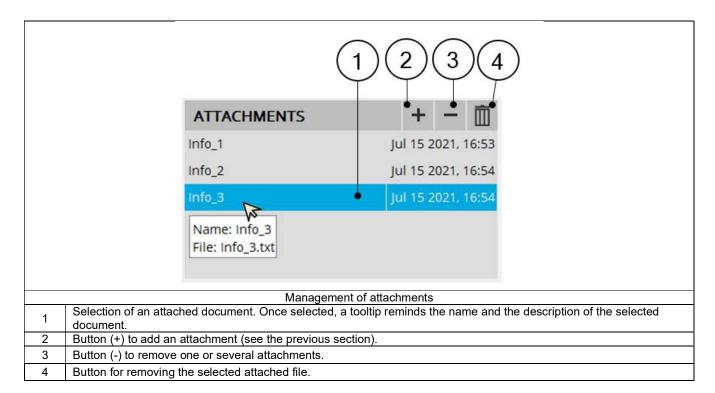
Documents can be attached to User's catalogs. This allows quickly reaching for additional information to describe these catalogs.

- Note 1: Documents can be attached only to user's catalogs.
- Note 2: Documents can be linked to catalogs as well as to motors. See chapter Management of motors.

2.4.2 How to create an attachment?



2.4.3 Management of attachments



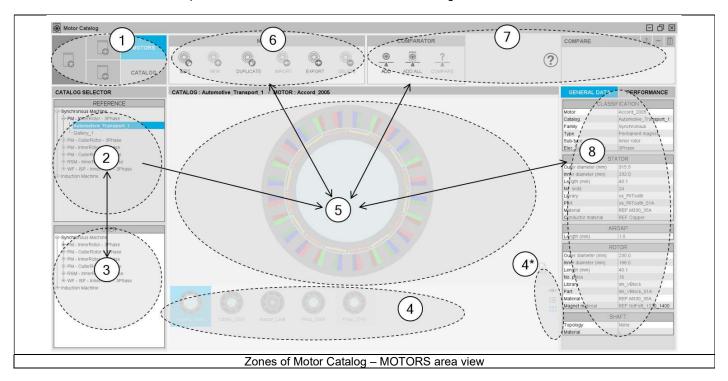


3 MANAGEMENT OF MOTORS

3.1 Overview

3.1.1 Main areas

Here are the main zones that compose "MOTORS" environment of the Motor Catalog.



	Motor Catalog has two main environments: CATALOG and MOTORS
	When MOTORS is selected = Blue color MOTORS environment of Motor Catalog is displayed.
	Three main functions are available from the top of this panel:
Zone 1	Create a new catalog,
	Load a catalog
	Set catalog as favorite
	See the section "management of catalogs" for more information.
	Reference catalogs are available.
Zone 2	Selections of catalogs must be done in this field. Motors of these catalogs are read only.
	However, they can be copied and moved into user's catalogs.
	User's catalogs. Selections of catalogs must be done in this field.
Zone 3	The users can create new catalogs.
	See the process in the chapter "Reference commands".
7 1	Visualization of all the motors (thumbnails) stored in the selected catalog.
Zone 4	Clicking on one thumbnail allows displaying the corresponding motor on the central area (5).
Zone 4*	The motors can be displayed as a slide show or as a list or as a matrix view of pictures.
Zone 5	Visualization of the selected motor.
Zone 6	Tools to manage the motor: Edit, New, Duplicate, Import or Delete motor.
Zone 7	Tools to manage the comparison between motors – Access to the comparator.
Zone 8	It is possible to attach documents to the selected catalog (pictures, pdf files etc.).



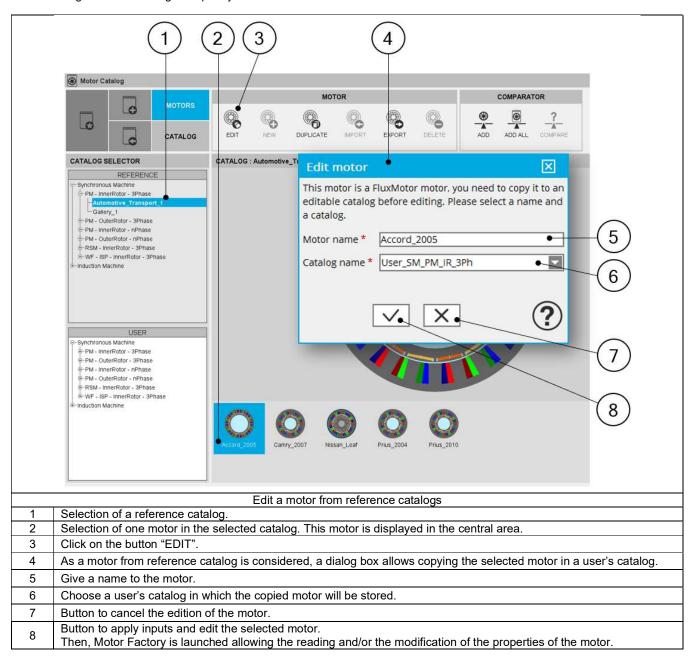
3.2 Reference commands

3.2.1 Edit a motor

3.2.1.1 Motor from the reference catalogs

Edit a motor allows modifying its general data and properties by using Motor Factory.

As all the motors from reference catalogs are in read only mode, before editing such motor user must copy it in a user's catalog. A dedicated dialog box allows doing that quickly as it is shown below.



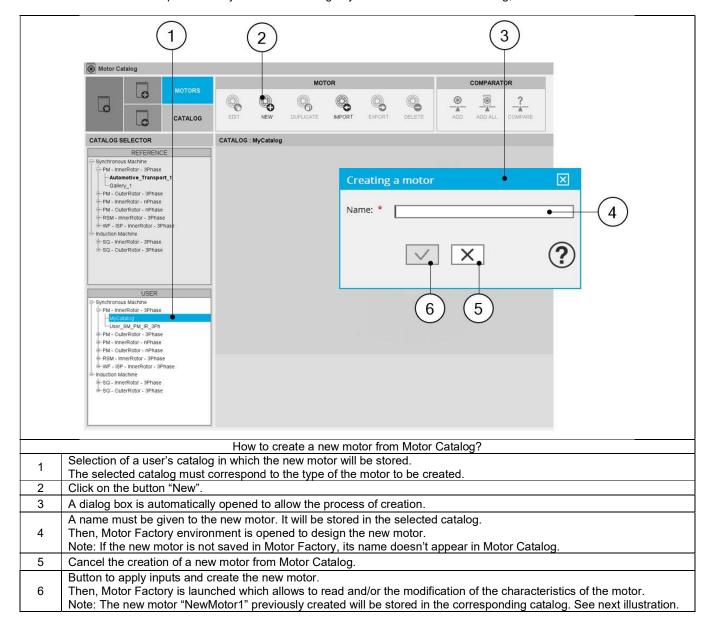
3.2.1.2 Motor from User's catalogs

In this case, as the motor is not in a Read only mode, it allows opening the motor directly with Motor Factory application which can be used to read or/and modify its characteristics.

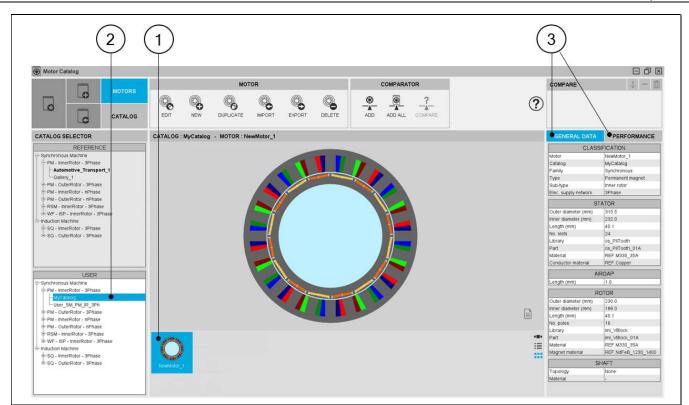


3.2.2 Create a New motor.

The creation of a new motor is possible only in a user's catalog. If you select a Reference catalog, the icon "New" is disabled.





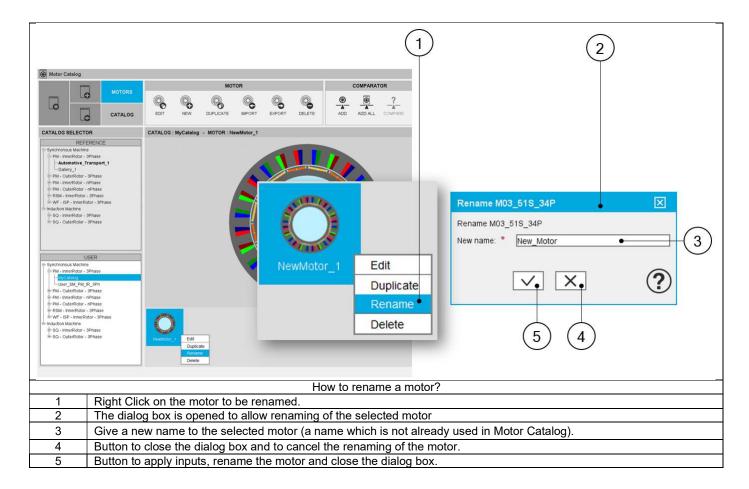


The new motor "NewMotor1" (1) previously created is stored in the corresponding catalog (2).

Its general data are displayed in the corresponding tab (3).

Performance will be added only when the datasheet test will be performed (3).

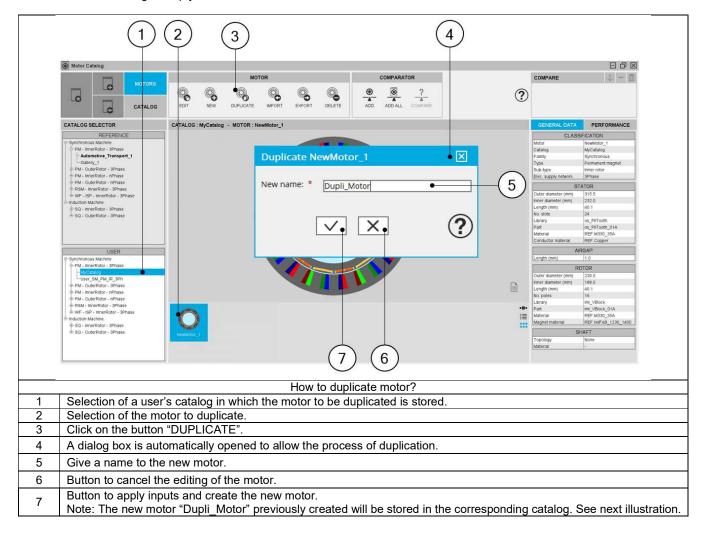
3.2.3 Rename a motor

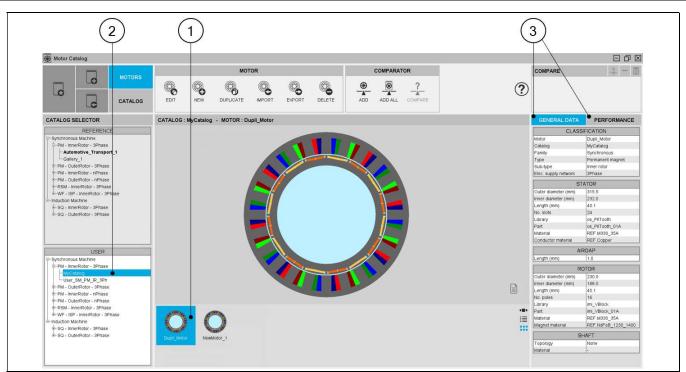




3.2.4 Duplicate

The duplication of a motor is possible only in a user's catalog. If you select a Reference catalog, the icon "DUPLICATE" is disabled. Note: If the selected catalog is empty, the icon "DUPLICATE" is disabled.





The new motor "Dupli_Motor" (1) previously created is stored in the corresponding catalog (2).

Its general data are displayed in the corresponding tab (3).

Performance are available only if the datasheet test has been performed (3).

3.2.5 Import of motors

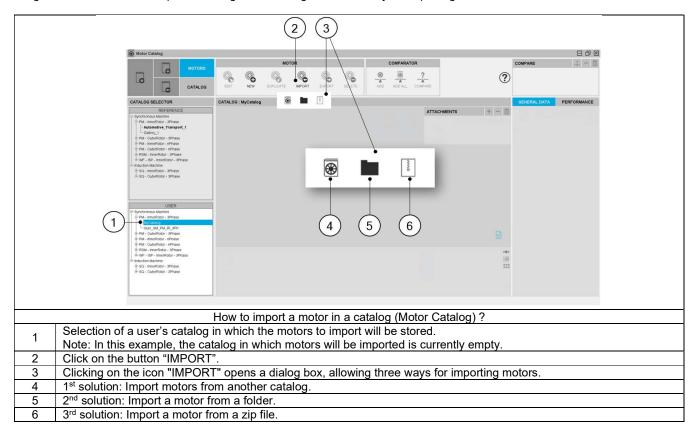
3.2.5.1 Introduction

Three ways are possible for importing a motor in a user's catalog:

- Import of motors from another catalog
- Import of motors from a folder
- · Import of motors from a zip file

Note: Importing of motors is possible only in a user's catalog. Whatever is the selected import mode, if you select a Reference catalog, the icon "Import" is disabled.

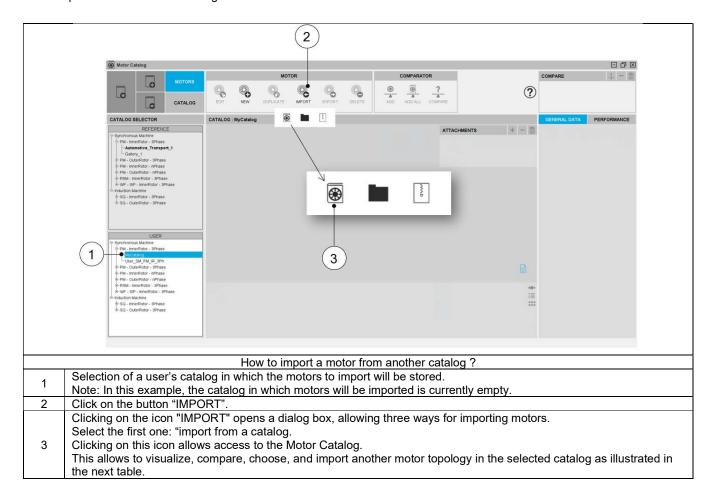
Clicking on the icon "IMPORT" opens a dialog box, allowing select one way for importing the motors.



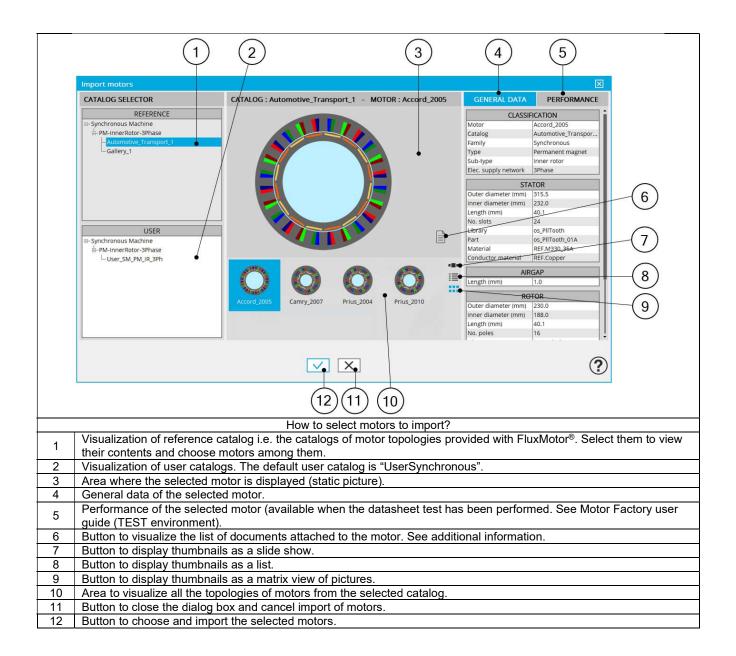
These three ways for importing motors in Motor Catalog are illustrated below.



3.2.5.2 Import of motors from a catalog

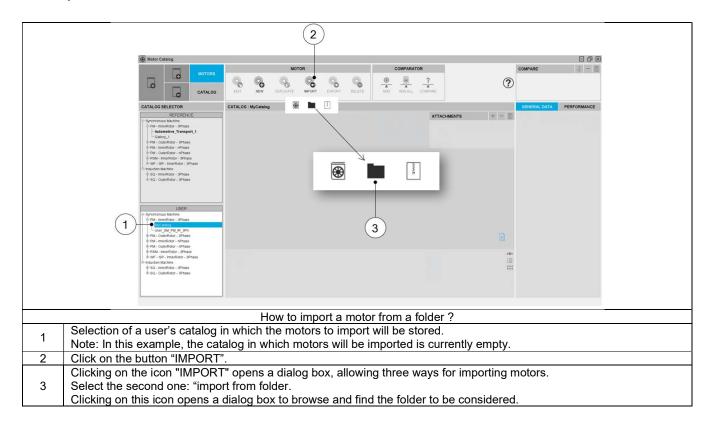


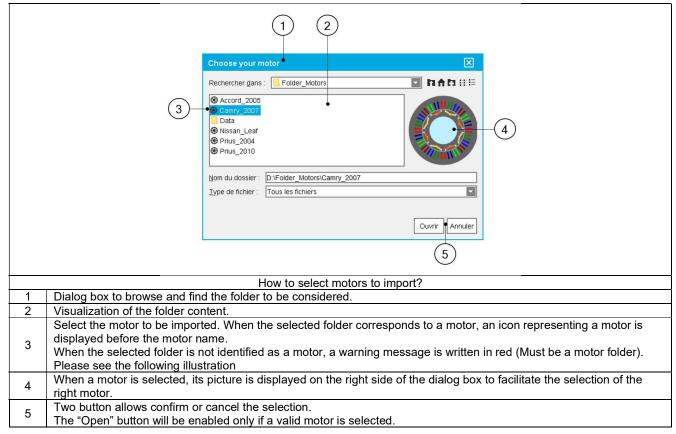




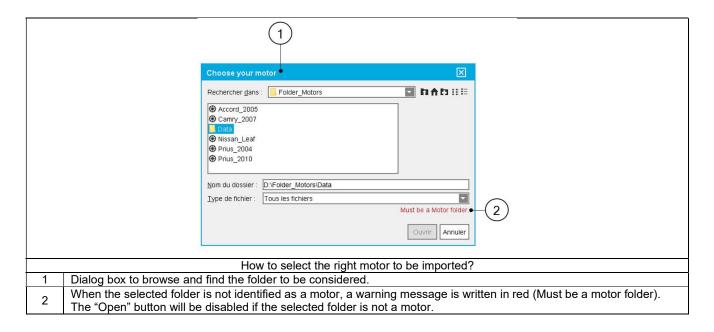


3.2.5.3 Import a motor from a folder

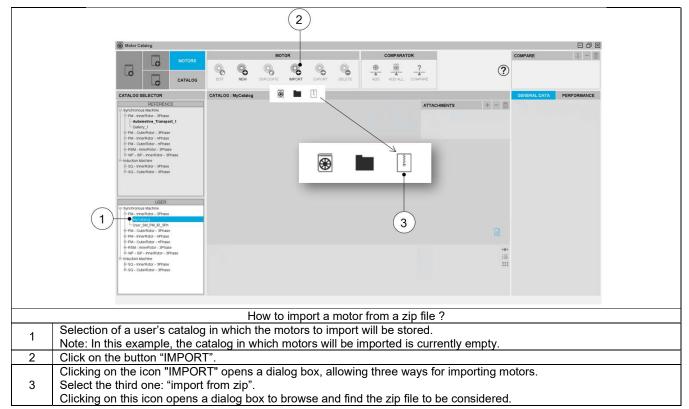


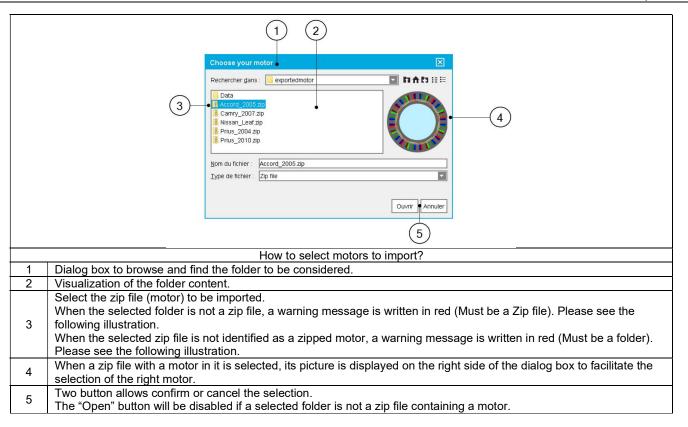


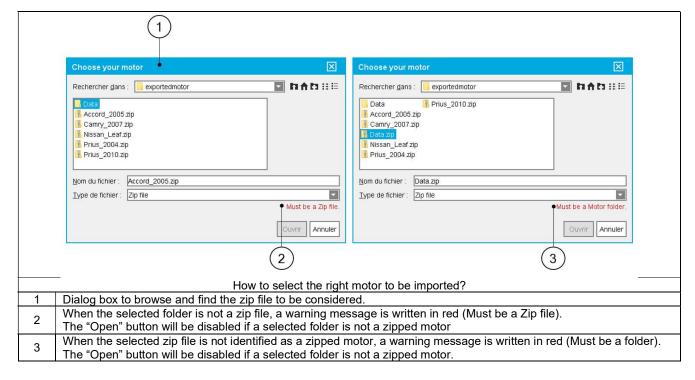




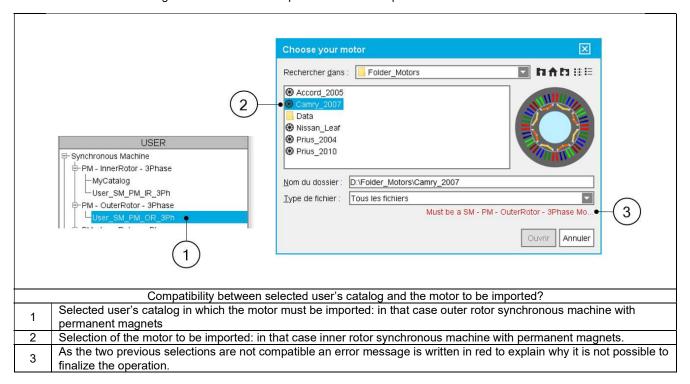
3.2.5.4 Import of a motor from a zip file





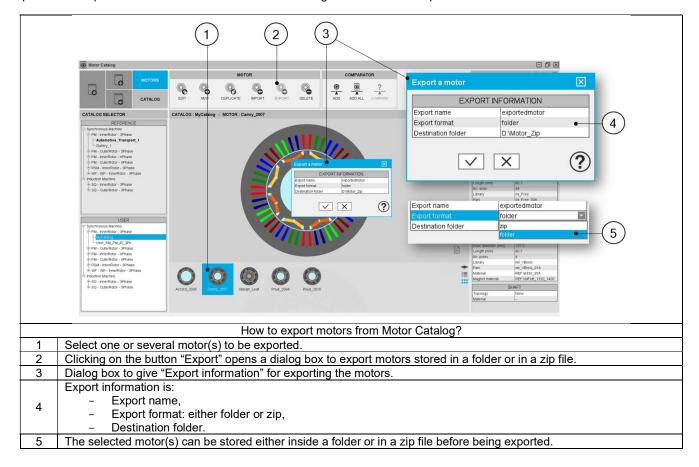


Note: The selected user's catalog and the motor to be imported must be compatible.



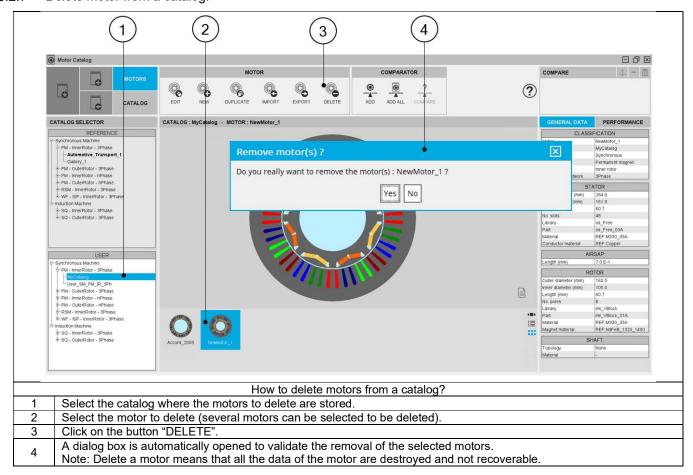
3.2.6 Export of motors

It is possible to export one or several motor from Motor Catalog in a folder or in a zip file.





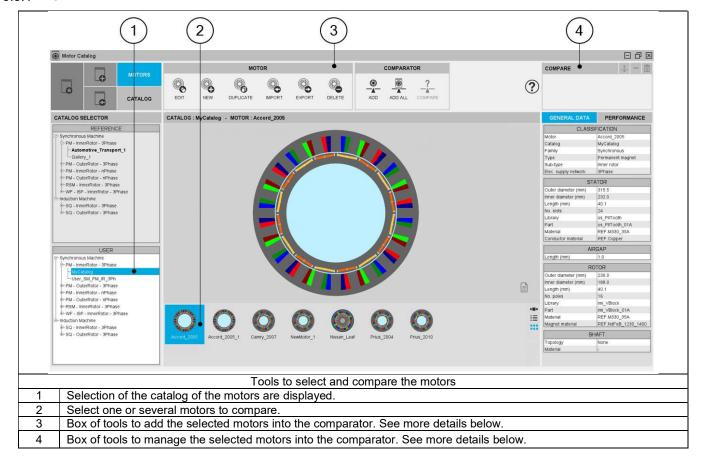
3.2.7 Delete motor from a catalog.





3.3 Compare motors

3.3.1 Overview



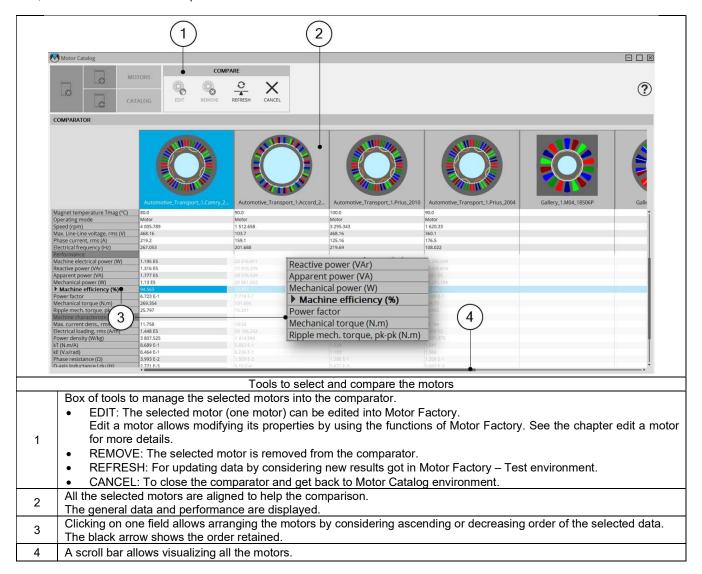
3.3.2 Content management





3.3.3 Compare

Here is, the environment for the comparator of motors.



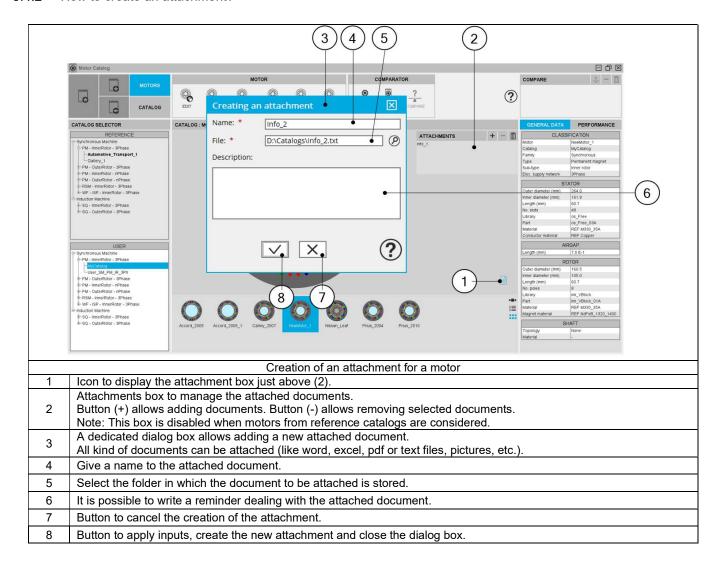
3.4 Attachments

3.4.1 Introduction

Documents can be attached to user's motors. It allows quickly reaching to the available additional information for describing these motors.

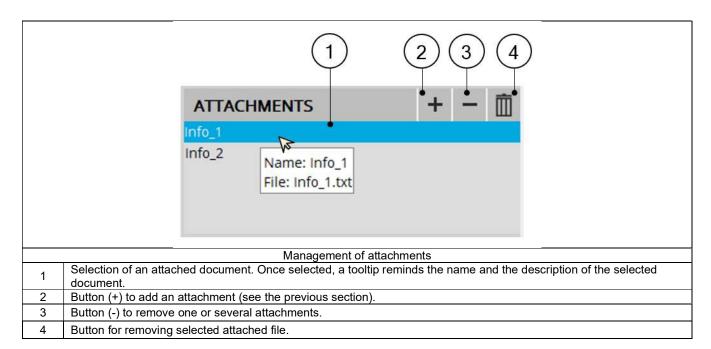
- Note 1: Documents can be attached only to user's motors.
- Note 2: Documents can be linked to motors as well as to catalogs. See chapter Management of catalogs.

3.4.2 How to create an attachment?





3.4.3 Management of attachments

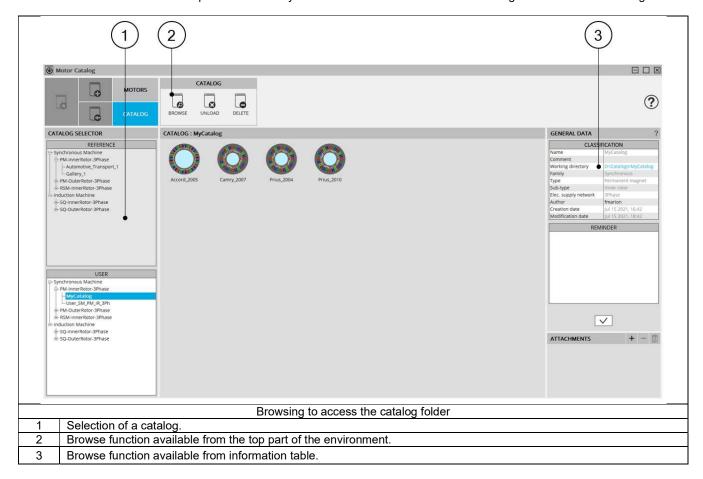


4 EXTERNAL LINKS

4.1 Browse

4.1.1 Overview

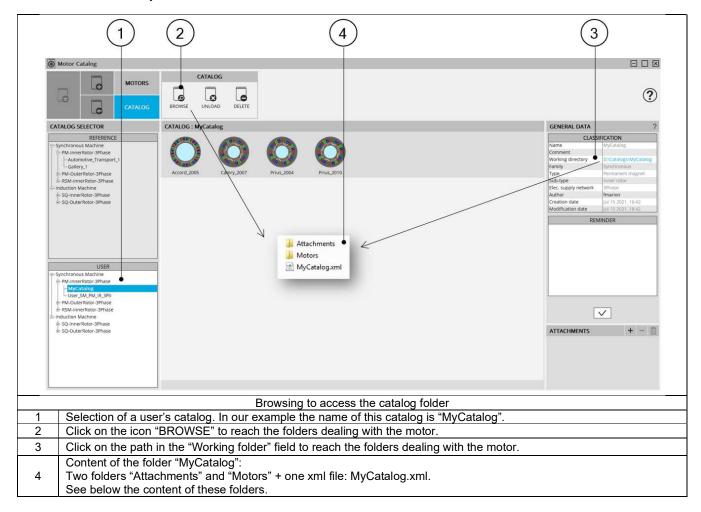
From the CATALOG environment it is possible to directly access the folder in which the data dealing with the selected catalog are stored.



4.1.2 Contents of folders

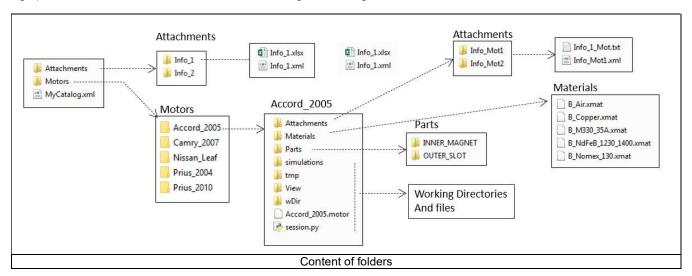
4.1.2.1 Overview

The contents of folder directly reachable from the CATALOG interface are described below.



4.1.2.2 Folder organization

The graph below shows how to reach the main files dealing with catalogs or motors.



Folder "Attachments":

All the documents associated to the considered catalog (or Motor).

Folder "Motors":

All the motors stored in the considered catalog.

