

SAER PUMPS SELECTOR

USER'S GUIDE

Login / Register

In order to use the pump selector, it is necessary to log in

The screenshot shows the SPAIX 5 user interface. The header is blue and contains the SPAIX 5 logo, the text 'User login', 'VERSION 2022', and 'User unknown' with a globe icon. The main content area is white. A red box labeled 'A' highlights the 'User login' form, which includes fields for 'Login name / E-mail', 'User password', and a 'Remember me' checkbox, followed by a 'Log on' button. Below this, there are links for 'Password lost?' and 'Register user account', with the latter highlighted by a red box labeled 'B'.

A: If you are already registered, enter your username and password in these fields. You can then proceed to use the pump selector.

B: If you are NOT already registered, register by clicking on “Register user account”

Registration

In order to register and generate a unique user, it is necessary to fill in the required data in the form, read and accept the Privacy Policy and perform the security check by completely deleting the text in the respective input field

The screenshot shows the SPAIX 5 registration page. The header is blue and contains the SPAIX 5 logo, the text 'Registration', 'VERSION 2022', and a globe icon. The main content area is white. A dashed red box highlights the 'Registration' form, which includes fields for 'Login name', 'First name', 'Last name', 'E-mail', 'User password', and 'Confirm password'. Below these fields is a checkbox for 'I have read the Privacy Policy and hereby agree to these terms.' and a 'Security check' field with the text 'Please clear this input field entirely.'. At the bottom of the form are 'Register' and 'Cancel' buttons.

Then click on “Register”.

You will then receive an email confirming your registration at the email address given in the registration form field.

You have to open the email and click on the confirmation link in it.

You will now be able to enter your username and password to login and use the pump selector.

Use

The following buttons can be found at the top right:



Units

This button allows you to set the units of measurement to be used when using the pump selector.



Language

This button allows you to set the language to be used when using the pump selector.

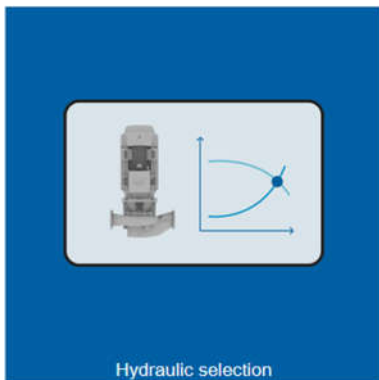


Help

This button displays a more in-depth guide to the functionality of the pump selector.

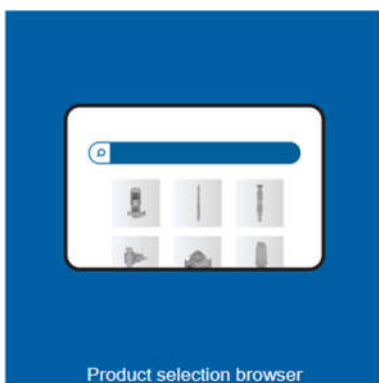
Main screen:





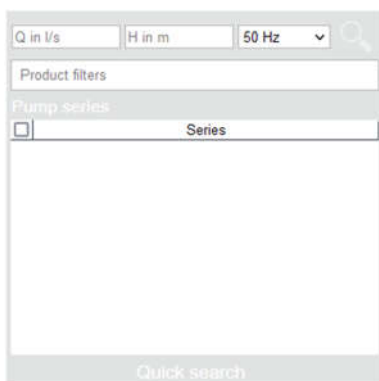
Hydraulic selector

This function is to be used if you have a duty point (flow rate and head) and need the selector to indicate a suitable pump for this performance.



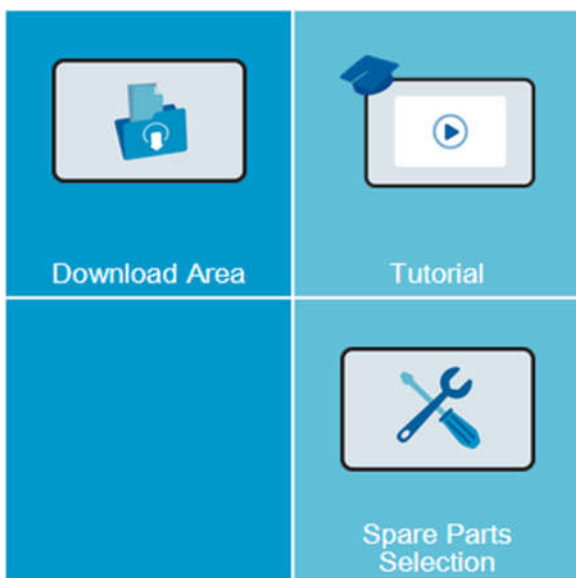
Product selection browser

This function is to be used if you know the pump type and the model desired and want to search independently without the need to enter a specific operating point (flow rate and head).



Quick Search

This function is to be used when you have a working point (flow rate and head) and need to have a quick indication of the series available for these performances and then only select the one you are interested in.



COMING SOON!

Hydraulic selector

You can filter the pumps and make the selection by type or application.

Area of application

50 Hz

- SAER
 - All the uses
 - Groundwater supply
 - Industrial applications
 - Infrastructure & Building services
 - Irrigation & Agriculture
 - Water supply & Municipal services
 - Waste water and sewage
 - All products
 - Submersible groundwater electric pumps
 - Vertical multistage electric pumps
 - Horizontal multistage electric pumps
 - End-Suction centrifugal electric pump
 - End-suction centrifugal pump
 - Centrifugal pumps
 - Axially split casing pumps
 - Vertical in-line pumps
 - Submersible wastewater electric pumps

You then need to select Drive, Number of poles and the series from which to select pumps in the “Series” box.

Series



Duty chart view

Hide picture

Hide invalid

Drive: 50 Hz

Number of poles: Any

<input type="checkbox"/>	Series
<input type="checkbox"/>	 MG
<input type="checkbox"/>	 NCA

It is therefore necessary to insert the duty point (flow rate and head) in the appropriate fields.

Show more options

Circuit type

Nature of system * Single head pump

Operating data

Duty point name: A1

Flow * m³/h

Head * m

Total static head m

Medium data

Fluid * Water

Temperature * 20 °C

Density * 998.2 kg/m³

Viscosity * 1.001 mm²/s

Then press “Next”



Select the desired pump from those proposed :

Pumps		Product name
Recommendation		
		MG 100-315A-225-4P
		NCB 100-315A-4P
		MG 125-315B-225-4P
		NCB 125-315B-4P
		MG 80-200C-180-2P
12 entries found		

To view only the selected curve, open the “Diagram layout” drop-down menu and select “Selected curve”

MG 100-315A-225-4P: Pump performance curves

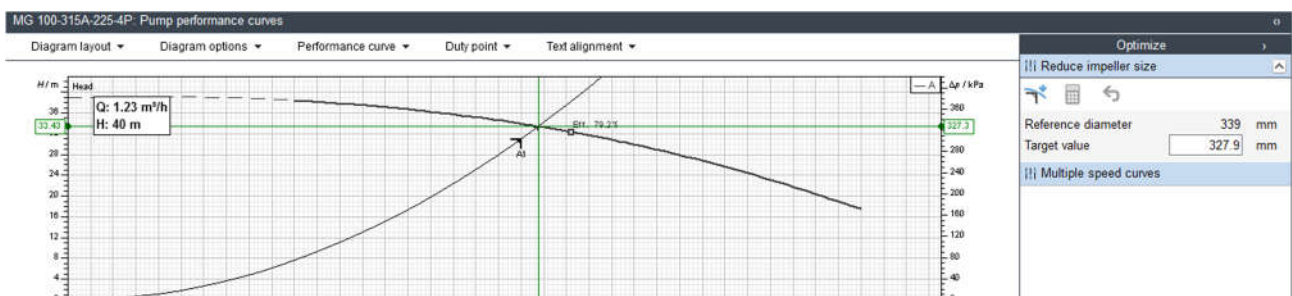
Diagram layout ▾ Diagram options ▾

—— ALL PRODUCTS ——

- Show all hydraulics
- Selected curve of each hydraulics
- Preview single curves

—— MARKED PRODUCT ——

- Show duty chart
- Display max. / sel. / min. curve
- Selected curve (scaled automatically)
- Show multiple speed curves

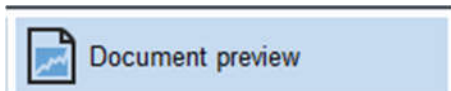



It is then possible to optimise the selection and customise the model with the functions on the right of the screen .

(Optimisation and customisation possibilities vary depending on the series selected) .

Once you have finished your selection, press “Finish”

To view the data sheet , click on “Document preview”



It is possible to generate a PDF of the data sheet either by using the print function  or the Export function available in the menu at the top left.



Direct pump selection

It is necessary to select the frequency and the series from which to select the pumps in the “Pumps” box

Pumps






Frequency ▾

Series ▾

Minimize picture

Circuit type ▾

Then Select the desired pump from those listed:

	Product name
	MG 32-125A-80-4P
	MG 32-160A-80-4P
	MG 32-160SA-80-4P
	MG 32-200NA-90-4P
	MG 32-250A-100-4P
80 entries found	

To view only the selected curve, open the “Diagram layout” drop-down menu and select 'Selected curve'.

MG 100-315A-225-4P: Pump performance curves

Diagram layout ▾

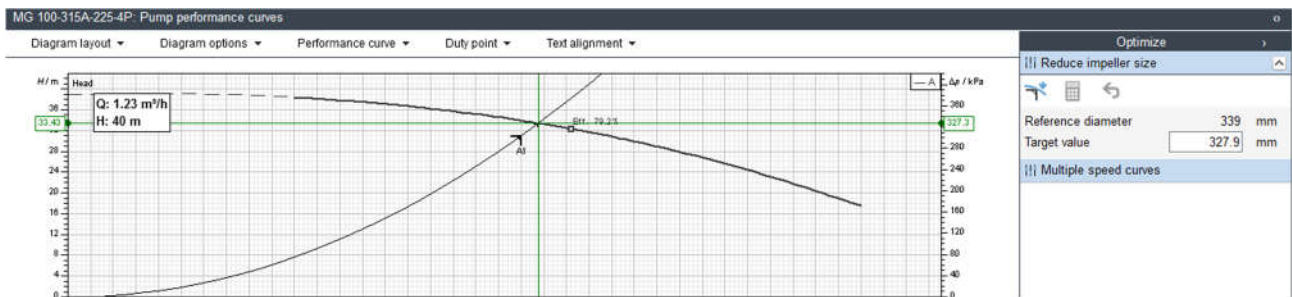
Diagram options ▾

— ALL PRODUCTS —

- Show all hydraulics
- Selected curve of each hydraulics
- Preview single curves

— MARKED PRODUCT —

- Show duty chart
- Display max. / sel. / min. curve
- Selected curve (scaled automatically)
- Show multiple speed curves



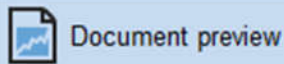
It is then possible to optimise the selection and customise the model with the functions on the right of the screen .


(Optimisation and customisation possibilities vary depending on the series selected).

Once you have finished your selection, press “Finish”



To view the data sheet , click on “Document preview”



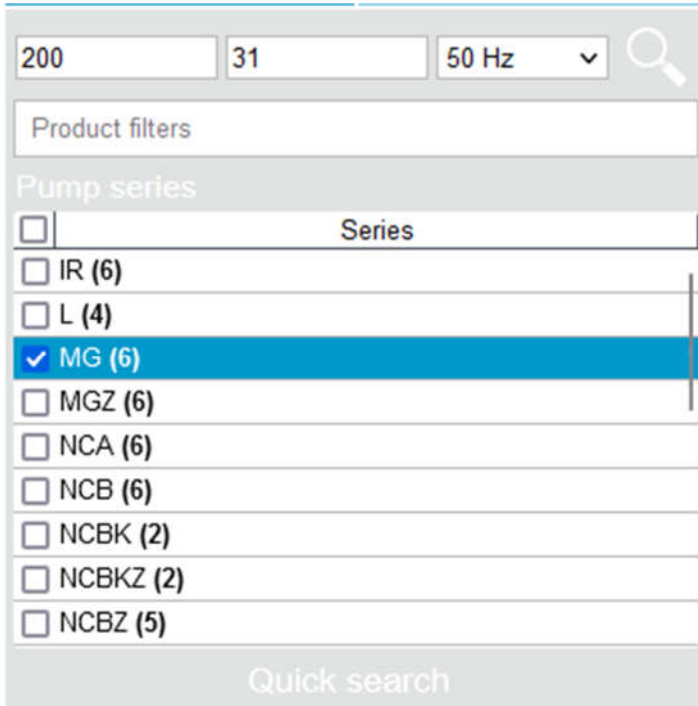
It is possible to generate a PDF of the data sheet either by using the print function  or the Export function available in the menu at the top left.

The screenshot shows the SPAIX 5 software interface. The top bar displays the SPAIX 5 logo and the text 'Untitled pr'. Below the logo, there is a menu with the following options: 'Export', 'PDF', 'Export as PDF file', and 'Export pictures and drawings'. On the left side, there is a sidebar with the following options: 'Current project', 'Export', and 'Send as e-mail attachment...'. The 'Export' option in the sidebar is highlighted.

Quick search

It is necessary to insert the duty point (flow rate and head) in the appropriate fields.

It is then necessary to select the desired series from those proposed.



The screenshot shows a web-based pump selector interface. At the top, there are three input fields: the first contains '200', the second contains '31', and the third is a dropdown menu set to '50 Hz'. To the right of these fields is a magnifying glass icon. Below the input fields is a 'Product filters' section. Underneath that is a 'Pump series' section with a table. The table has a header row with a checkbox and the text 'Series'. The rows listed are: IR (6), L (4), MG (6) (which is highlighted in blue and has a checked checkbox), MGZ (6), NCA (6), NCB (6), NCBK (2), NCBKZ (2), and NCBZ (5). At the bottom of the interface is a 'Quick search' button.

<input type="checkbox"/>	Series
<input type="checkbox"/>	IR (6)
<input type="checkbox"/>	L (4)
<input checked="" type="checkbox"/>	MG (6)
<input type="checkbox"/>	MGZ (6)
<input type="checkbox"/>	NCA (6)
<input type="checkbox"/>	NCB (6)
<input type="checkbox"/>	NCBK (2)
<input type="checkbox"/>	NCBKZ (2)
<input type="checkbox"/>	NCBZ (5)

Then proceed as for “Hydraulic Selection”

If you encounter difficulties or problems using the pump selector, we kindly ask you to send an email to pumpselector@saer.it describing the problem in as much detail as possible.