

Groschopp: Motor Search Made Easy

November 16, 2015—Many search tools in the electric motor industry only allow you to choose search parameters from a drop-down menu. The problem with this method is that drop-down menus limit search combinations, making it difficult and time consuming to find a motor that fits your exact specifications. Groschopp’s [new motor search tool](#) utilizes a grid layout so you can quickly switch through or add to a variety of parameters. The tool edits the results as you continually enter search parameters. This allows you to efficiently alter your motor and gearmotor combinations without needing to re-enter the search data for each adjustment.

The screenshot shows the Groschopp motor search tool interface. It is organized into several sections:

- MOTOR TYPE:** Buttons for All motors, DC, AC, Brushless, and Universal.
- VOLTAGE:** Buttons for All voltages, 12, 130, 24, 163/115, 90, 180, 115, and 230.
- GEARBOX:** Buttons for Motor Only, Planetary, Parallel shaft, Right angle, Right angle planetary, and All gearboxes.
- PHASE:** Buttons for All phases, 1 ph 60 Hz, 1 ph 50 Hz, 3 ph 60 Hz, 3 ph 50 Hz, and DC.
- DOMINANT VARIABLE:** Buttons for Speed, Torque, and Power.
- SLIDERS:** Three sliders for SPEED (0 to 3900 RPM), TORQUE (0 to 999.6 IN-LBS), and POWER (0 to 1.1282 HP).
- Buttons:** "Still not sure?" and "reset search".
- Text:** "SCROLL DOWN FOR RESULTS".

A help icon with a question mark and the text "how to use motor search" is also present.

The left portion of the tool provides basic search options: motor type, gearbox style, voltage and phase. You can choose to narrow down a category to an individual search option or leave it open if requirements are less specific. Each basic search selection you make adjusts the maximum and minimum range available for the speed, torque and power of the chosen selection.

This screenshot is identical to the one above, but with a red rectangular box highlighting the left-side search options (MOTOR TYPE, VOLTAGE, GEARBOX, and PHASE). In this view, the "All voltages" button is highlighted in orange, and the "DC" button under the PHASE section is also highlighted in orange. The sliders for SPEED, TORQUE, and POWER are visible, with their current values being 800 RPM, 9.5 IN-LBS, and 0.449 HP respectively.

After determining your initial search parameters, move to the right side of the search tool for the slider bar function. Choose a variable to manually adjust speed, torque or power, and the remaining variables will automatically move to their corresponding ranges. This function assists in making sure your search will produce the best results.

MOTOR TYPE

- All motors
- DC
- AC
- Brushless
- Universal

VOLTAGE

- All voltages
- 12
- 130
- 24
- 163/115
- 90
- 180
- 115
- 230

GEARBOX

- Motor Only
- Planetary
- Parallel shaft
- Right angle
- Right angle planetary
- All gearboxes

PHASE

- All phases
- 1 ph 60 Hz
- 1 ph 50 Hz
- 3 ph 60 Hz
- 3 ph 50 Hz
- DC

DOMINANT VARIABLE

- Speed
- Torque
- Power

how to use motor search

SPEED

1 2028 - 2472 3900 RPM ?

TORQUE

1.3 8.5 IN-LBS ?

POWER

0.047 0.331 HP ?

Still not sure? reset search

SCROLL DOWN FOR RESULTS

Tips for getting more out of your search:

1. The motor search tool is available on the AC, DC and Brushless pages. When looking for information on the advantages and specifications of a motor with different gearbox combinations, it is best to use the tool on individual pages as they highlight the strengths of each gearmotor type.
2. Need to quickly convert or calculate units? Download our [STP \(speed, torque, power\) calculator](#) to easily convert between English or metric units and to calculate torque based on speed and power, or vice versa.
3. Know your [duty cycle](#). Our search results are based on continuous duty operation, but you can often use a smaller motor when running at intermittent duty, saving on space and cost. With our advanced software, our sales team can match you with the best motor type for your intermittent application.
4. We offer modified and [custom motors](#) to fit harsh environments or challenging applications. You can begin virtually modifying a motor by using our “Customize It” tool on individual product pages. For a custom design that doesn’t fit our standard models, contact the Groschopp sales team.
5. We have 150,000 possible motor combinations; not all of our products are listed on our website. If you can’t find the motor you need on our site, contact the sales team to see what other standard or custom options may be available to you.

For more information on how our motor search tool works, visit our [help page](#) or click the question mark icon in the search tool.