



# CFW500 Compatible Accessories

## Braking Resistors for WEG CFW500 AC Drives

Dynamic braking absorbs the motor regeneration energy when the motor is decelerated faster than it would if it was allowed to coast to a stop. The regeneration energy is dissipated by braking resistors. All drives have the braking function built-in and do not require a separate dynamic braking unit. The recommended open type or NEMA 1 type brake resistors available at AutomationDirect for each drive model are listed in the table below.

| WEG CFW500 AC Drive Braking Component Selection |                          |                           |               |                      |                      |                                   |                                   |                 |                 |                                       |      |                         |                                     |      |                         |
|-------------------------------------------------|--------------------------|---------------------------|---------------|----------------------|----------------------|-----------------------------------|-----------------------------------|-----------------|-----------------|---------------------------------------|------|-------------------------|-------------------------------------|------|-------------------------|
| Drive Voltage                                   | WEG MAT #                | Drive Model (CFW500xxxG2) | Drive Ratings |                      |                      |                                   | Drive Brake Capacity - Max Torque |                 |                 | 125% Braking Torque @ 10% Duty Cycle* |      |                         |                                     |      |                         |
|                                                 |                          |                           | IP**          | Input Voltage Phases | Drive Rated Amps (A) | Motor Power (hp)                  | Resistor (Ω)                      | Max Current (A) | Peak Power (kW) | Open Type Braking Resistor            |      |                         | NEMA1 Resistors with Thermal Switch |      |                         |
|                                                 |                          |                           |               |                      |                      |                                   |                                   |                 |                 | Part #                                | Qty. | Total Brake Current (A) | Part #                              | Qty. | Total Brake Current (A) |
| 230V                                            | <a href="#">15570800</a> | A01P6B2NB20               |               | 1/3                  | 1.6                  | 0.25                              | No Dynamic Braking (These Models) |                 |                 |                                       |      |                         |                                     |      |                         |
|                                                 | <a href="#">15572819</a> | A01P0T4NB20               |               | 3                    | 1                    |                                   |                                   |                 |                 |                                       |      |                         |                                     |      |                         |
|                                                 | <a href="#">14990863</a> | A01P6B2DB66DS             | IP66D         | 1/3                  | 1.6                  |                                   | 127                               | 6               | 4.6             | <a href="#">GS-BR-400W150</a>         | 1    | 2.6                     | <a href="#">BR-N1-240W150</a>       | 1    | 2.6                     |
|                                                 | <a href="#">14989840</a> | A01P6B2DB66               | IP66          |                      | 1                    |                                   |                                   |                 |                 |                                       | 1    |                         |                                     |      |                         |
|                                                 | <a href="#">14991103</a> | A02P6B2DB66DS             | IP66D         |                      | 1                    |                                   |                                   |                 |                 |                                       | 1    |                         |                                     |      |                         |
|                                                 | <a href="#">14990985</a> | A02P6B2DB66               | IP66          |                      | 1                    |                                   |                                   |                 |                 |                                       | 1    |                         |                                     |      |                         |
|                                                 | <a href="#">15571879</a> | A02P6B2NB20               |               |                      |                      | 0.5                               | No Dynamic Braking (These Models) |                 |                 |                                       |      |                         |                                     |      |                         |
|                                                 | <a href="#">15572908</a> | A01P6T4NB20               |               | 3                    | 1.6                  | 0.75                              |                                   |                 |                 |                                       |      |                         |                                     |      |                         |
|                                                 | <a href="#">14991753</a> | A04P3B2DB66DS             | IP66D         | 1/3                  | 4.3                  | 1                                 | 127                               | 6               | 4.6             | <a href="#">GS-BR-400W150</a>         | 1    | 2.6                     | <a href="#">BR-N1-240W150</a>       | 1    | 2.6                     |
|                                                 | <a href="#">14991517</a> | A04P3B2DB66               | IP66          |                      |                      |                                   |                                   |                 |                 | 1                                     | 1    |                         |                                     |      |                         |
|                                                 | <a href="#">15571881</a> | A04P3B2NB20               |               |                      |                      |                                   | No Dynamic Braking (These Models) |                 |                 |                                       |      |                         |                                     |      |                         |
|                                                 | <a href="#">15574655</a> | B07P3B2DB20               | IP20          |                      | 7.3                  | 2                                 | 39                                | 10              | 3.9             | <a href="#">GS-BR-400W040</a>         | 1    | 9.8                     | <a href="#">BR-N1-280W50</a>        | 1    | 7.8                     |
|                                                 | <a href="#">14938005</a> | A07P3B2DB66DS             | IP66D         |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">14937890</a> | A07P3B2DB66               | IP66          |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">15572625</a> | A07P0T2NB20               |               |                      | 7                    | No Dynamic Braking (These Models) |                                   |                 |                 |                                       |      |                         |                                     |      |                         |
|                                                 | <a href="#">15575067</a> | B10P0B2DB20               | IP20          | 3                    | 10                   | 3                                 | 27                                | 15              | 6.1             | <a href="#">GS-BR-400W040</a>         | 1    | 9.8                     | <a href="#">BR-N1-280W50</a>        | 1    | 7.8                     |
|                                                 | <a href="#">14938047</a> | A10P0B2DB66DS             | IP66D         |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">14938041</a> | A10P0B2DB66               | IP66          |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">15572689</a> | A09P6T2NB20               |               |                      | 9.6                  | No Dynamic Braking (These Models) |                                   |                 |                 |                                       |      |                         |                                     |      |                         |
|                                                 | <a href="#">15575202</a> | B16P0T2DB20               | IP20          | 3                    | 16                   | 5                                 | 20                                | 20              | 8               | <a href="#">GS-BR-400W040</a>         | 1    | 9.8                     | <a href="#">BR-N1-800W25</a>        | 1    | 15.6                    |
|                                                 | <a href="#">14938113</a> | A16P0T2DB66DS             | IP66D         |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">14938111</a> | A16P0T2DB66               | IP66          |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">15575701</a> | C24P0T2DB20               | IP20          |                      | 24                   | 7.5                               | 15                                | 26              | 10.1            | <a href="#">GS-BR-1K0W020</a>         | 1    | 19.5                    | <a href="#">BR-N1-800W18P0</a>      | 1    | 21.7                    |
|                                                 | <a href="#">14975838</a> | B24P0T2DB66DS             | IP66D         |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">14975783</a> | B24P0T2DB66               | IP66          |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">15575716</a> | D28P0T2DB20               | IP20          |                      | 28                   | 10                                | 10                                | 38              | 14.4            | <a href="#">GS-BR-1K5W013</a>         | 1    | 30.0                    | <a href="#">BR-N1-1K5W14P0</a>      | 1    | 27.9                    |
|                                                 | <a href="#">14938655</a> | B28P0T2DB66DS             | IP66D         |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">14938547</a> | B28P0T2DB66               | IP66          |                      |                      |                                   |                                   |                 |                 |                                       | 1    |                         |                                     | 1    |                         |
|                                                 | <a href="#">15576540</a> | D47P0T2DB20               | IP20          | 3                    | 47                   | 15                                | 8.6                               | 45              | 17.4            | <a href="#">GS-BR-1K5W3P3</a>         | 1    | 59.1                    | <a href="#">BR-N1-2K2W08P6</a>      | 1    | 45.3                    |
|                                                 | <a href="#">15577077</a> | E56P0T2DB20               | IP20          |                      |                      |                                   |                                   |                 |                 |                                       | 2S   |                         |                                     | 1    |                         |
|                                                 | <a href="#">15342437</a> | F77P0T2DB20               | IP20          |                      |                      |                                   |                                   |                 |                 |                                       | 2S   |                         |                                     | 1    |                         |
|                                                 | <a href="#">15342760</a> | F88P0T2DB20               | IP20          |                      |                      |                                   |                                   |                 |                 |                                       | 2S   |                         |                                     | 1    |                         |
|                                                 | <a href="#">15342909</a> | F0105T2DB20               | IP20          |                      | 105                  | 30                                | 3                                 | 133             | 53.1            |                                       | 2S   |                         | <a href="#">BR-N1-3K6W06P8</a>      | 1    | 114.7                   |

Table continued on next page

\* 10% Duty Cycle with maximum ON (braking) time for 10 seconds.

\*\* IP66D stands for IP66 with disconnect.

Note: Where noted in resistor quantity, S = series and P = parallel



# CFW500 Compatible Accessories

## Braking Resistors for WEG CFW500 AC Drives, continued

| WEG CFW500 AC Drive Braking Component Selection |                                                                   |                           |               |                               |                      |                                   |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |
|-------------------------------------------------|-------------------------------------------------------------------|---------------------------|---------------|-------------------------------|----------------------|-----------------------------------|-----------------------------------|-------------------------------|-------------------------------|---------------------------------------|--------------------------------|---------------------------------|-------------------------------------|------|---------------------------------|
| Drive Voltage                                   | WEG MAT#                                                          | Drive Model (CFW500xxxG2) | Drive Ratings |                               |                      |                                   | Drive Brake Capacity - Max Torque |                               |                               | 125% Braking Torque @ 10% Duty Cycle* |                                |                                 |                                     |      |                                 |
|                                                 |                                                                   |                           | IP**          | Input Voltage Phases          | Drive Rated Amps (A) | Motor Power (hp)                  | Resistor (Ω)                      | Max Current (A)               | Peak Power (kW)               | Open Type Braking Resistor            |                                |                                 | NEMA1 Resistors with Thermal Switch |      |                                 |
|                                                 |                                                                   |                           |               |                               |                      |                                   |                                   |                               |                               | Part #                                | Qty.                           | Total Brake Current (A)         | Part #                              | Qty. | Total Brake Current (A)         |
| Table continued from previous page              |                                                                   |                           |               |                               |                      |                                   |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |
| 460V                                            | <a href="#">14992148</a>                                          | A01P6T4DB66DS             | IP66D         |                               | 1.6                  | 0.25                              | 127                               | 6                             | 4.6                           | <a href="#">GS-BR-400W150</a>         | 1                              | 5.3                             | <a href="#">BR-N1-240W150</a>       | 1    | 5.3                             |
|                                                 | <a href="#">14992113</a>                                          | A01P6T4DB66               | IP66          |                               |                      | 1                                 |                                   |                               |                               |                                       | 1                              |                                 |                                     |      |                                 |
|                                                 | <a href="#">14991953</a>                                          | A01P0T4DB66DS             | IP66D         |                               |                      | 1                                 |                                   |                               |                               |                                       | 1                              |                                 |                                     |      |                                 |
|                                                 | <a href="#">14991899</a>                                          | A01P0T4DB66               | IP66          |                               |                      | 1                                 |                                   |                               |                               |                                       | 1                              |                                 |                                     |      |                                 |
|                                                 | <a href="#">15573714</a>                                          | A02P6T4NB20               |               | 2.6                           | 1                    | No Dynamic Braking (These Models) |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">15575568</a>                                          | B02P6T4DB20               | IP20          |                               |                      | <a href="#">GS-BR-400W150</a>     | 1                                 | 5.3                           | <a href="#">BR-N1-240W150</a> | 1                                     | 5.3                            |                                 |                                     |      |                                 |
|                                                 | <a href="#">14976517</a>                                          | A02P6T4DB66DS             | IP66D         |                               |                      |                                   | 1                                 |                               |                               | 1                                     |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">14975888</a>                                          | A02P6T4DB66               | IP66          |                               |                      |                                   | 1                                 |                               |                               | 1                                     |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">15573819</a>                                          | A04P3T4NB20               |               | 4.3                           | 2                    | No Dynamic Braking (These Models) |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">15575577</a>                                          | B04P3T4DB20               | IP20          |                               |                      | <a href="#">GS-BR-400W150</a>     | 1                                 | 5.3                           | <a href="#">BR-N1-240W150</a> | 1                                     | 5.3                            |                                 |                                     |      |                                 |
|                                                 | <a href="#">14976809</a>                                          | A04P3T4DB66DS             | IP66D         |                               |                      |                                   | 1                                 |                               |                               | 1                                     |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">14976683</a>                                          | A04P3T4DB66               | IP66          |                               |                      |                                   | 1                                 |                               |                               | 1                                     |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">15573823</a>                                          | A06P1T4NB20               | –             | 6.1                           | 3                    | No Dynamic Braking (These Models) |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">15575665</a>                                          | B06P5T4DB20               | IP20          | <a href="#">GS-BR-300W250</a> |                      | 2P                                | 6.3                               | <a href="#">BR-N1-500W200</a> | 1                             | 4.0                                   |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">14977065</a>                                          | A06P5T4DB66DS             | IP66D         |                               |                      | 2P                                |                                   |                               | 1                             |                                       |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">14976814</a>                                          | A06P5T4DB66               | IP66          |                               |                      | 2P                                |                                   |                               | 1                             |                                       |                                |                                 |                                     |      |                                 |
|                                                 | <a href="#">15575699</a>                                          | B10P0T4DB20               | IP20          | 10                            | 5                    | 47                                | 16                                | 12                            | <a href="#">GS-BR-1K0W075</a> | 1                                     | 10.5                           | <a href="#">BR-N1-720W85</a>    | 1                                   | 9.3  |                                 |
|                                                 | <a href="#">14977266</a>                                          | A10P0T4DB66DS             | IP66D         |                               |                      |                                   |                                   |                               |                               | 1                                     |                                |                                 | 1                                   |      |                                 |
|                                                 | <a href="#">14977261</a>                                          | A10P0T4DB66               | IP66          |                               |                      |                                   |                                   |                               |                               | 1                                     |                                |                                 | 1                                   |      |                                 |
|                                                 | <a href="#">15575707</a>                                          | C14P0T4DB20               | IP20          | 14                            | 7.5                  | 33                                | 24                                | 19                            | <a href="#">GS-BR-1K5W043</a> | 1                                     | 18.4                           | <a href="#">BR-N1-720W85</a>    | 1                                   | 9.3  |                                 |
|                                                 | <a href="#">14977397</a>                                          | B14P0T4DB66DS             | IP66D         |                               | 10                   |                                   |                                   |                               |                               | 1                                     |                                |                                 | 1                                   |      |                                 |
|                                                 | <a href="#">14977391</a>                                          | B14P0T4DB66               | IP66          |                               |                      |                                   |                                   |                               |                               | 1                                     |                                |                                 | 1                                   |      |                                 |
|                                                 | <a href="#">16675711</a>                                          | C16P0T4DB20               | IP20          | 16                            | 10                   | 33                                | 24                                | 19                            |                               | 1                                     |                                | 18.4                            | <a href="#">BR-N1-1K2W50</a>        | 1    | 15.8                            |
|                                                 | <a href="#">14977556</a>                                          | B16P0T4DB66DS             | IP66D         |                               |                      |                                   |                                   |                               |                               | 1                                     |                                |                                 |                                     | 1    |                                 |
|                                                 | <a href="#">14977552</a>                                          | B16P0T4DB66               | IP66          |                               |                      |                                   |                                   |                               |                               | 1                                     |                                |                                 |                                     | 1    |                                 |
|                                                 | <a href="#">15576919</a>                                          | D24P0T4DB20               | IP20          | 24                            | 15                   | 22                                | 34                                | 25.4                          | 2P                            | 39.5                                  | <a href="#">BR-N1-1K5W40</a>   | 1                               | 19.8                                |      |                                 |
|                                                 | <a href="#">14978365</a>                                          | B24P0T4DB66DS             | IP66D         |                               |                      |                                   |                                   |                               | 2P                            |                                       |                                | 1                               |                                     |      |                                 |
|                                                 | <a href="#">14977629</a>                                          | B24P0T4DB66               | IP66          |                               |                      |                                   |                                   |                               | 2P                            |                                       |                                | 1                               |                                     |      |                                 |
|                                                 | <a href="#">15577021</a>                                          | D31P0T4DB20               | IP20          | 31                            | 20                   | 18                                | 48                                | 41.5                          | 2S2P                          | 60.8                                  | <a href="#">BR-N1-1K7W30</a>   | 1                               | 26.3                                |      |                                 |
|                                                 | <a href="#">14978573</a>                                          | B31P0T4DB66DS             | IP66D         |                               |                      |                                   |                                   |                               | 2S2P                          |                                       |                                | 1                               |                                     |      |                                 |
|                                                 | <a href="#">14978548</a>                                          | B31P0T4DB66               | IP66          |                               |                      |                                   |                                   |                               | 2S2P                          |                                       |                                | 1                               |                                     |      |                                 |
|                                                 | <a href="#">15577211</a>                                          | E39P0T4DB20               | IP20          | 39                            | 25                   | 8.6                               | 78                                | 52.3                          | 2S2P                          | 65.8                                  | <a href="#">BR-N1-2K3W26</a>   | 1                               | 30.4                                |      |                                 |
|                                                 | <a href="#">15577452</a>                                          | E49P0T4DB20               | IP20          | 49                            | 30                   | 8.6                               | 78                                | 52.3                          | 2S2P                          |                                       |                                | <a href="#">BR-N1-3K6W20</a>    |                                     | 1    | 39.5                            |
|                                                 | <a href="#">15733937</a>                                          | F77P0T4DB20               | IP20          | 77                            | 40                   | 12                                | 66.7                              | 53.4                          | 2S2P                          |                                       |                                | <a href="#">BR-N1-4K7W14P7</a>  |                                     | 1    | 53.7                            |
|                                                 | <a href="#">15734064</a>                                          | F88P0T4DB20               | IP20          | 88                            | 50                   | 12                                | 66.7                              | 53.4                          | 2S2P                          | 65.8                                  | <a href="#">BR-N1-6K9W13P6</a> | 1                               | 58.1                                |      |                                 |
|                                                 | <a href="#">15734119</a>                                          | F0105T4DB20               | IP20          | 105                           | 60                   | 6.2                               | 129                               | 103.2                         | 2S2P                          |                                       |                                | <a href="#">BR-N1-6K5W06P4</a>  |                                     | 1    | 123.4                           |
|                                                 | <a href="#">15448371</a>                                          | G0142T4DB20               | IP20          | 142                           | 75                   | 3                                 | 267                               | 208                           | Not offered                   |                                       |                                | <a href="#">BR-N1-10K8W04P3</a> |                                     | 1    | 183.7                           |
|                                                 | <a href="#">15448372</a>                                          | G0180T4DB20               | IP20          | 180                           | 100                  | 3                                 | 267                               | 208                           |                               |                                       |                                | 1                               |                                     |      |                                 |
|                                                 | <a href="#">15448373</a>                                          | G0211T4DB20               | IP20          | 211                           | 150                  | 2.2                               | 364                               | 284                           |                               |                                       |                                |                                 |                                     |      | <a href="#">BR-N1-18K0W03P7</a> |
|                                                 | * 10% Duty Cycle with maximum ON (braking) time for 10 seconds.   |                           |               |                               |                      |                                   |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |
|                                                 | ** IP66D stands for IP66 with disconnect.                         |                           |               |                               |                      |                                   |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |
|                                                 | Note: Where noted in resistor quantity, S= series and P= parallel |                           |               |                               |                      |                                   |                                   |                               |                               |                                       |                                |                                 |                                     |      |                                 |

\* 10% Duty Cycle with maximum ON (braking) time for 10 seconds.

\*\* IP66D stands for IP66 with disconnect.

Note: Where noted in resistor quantity, S = series and P = parallel

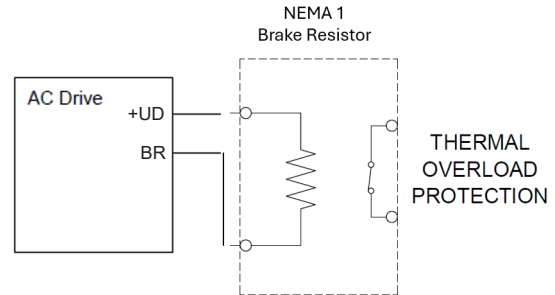
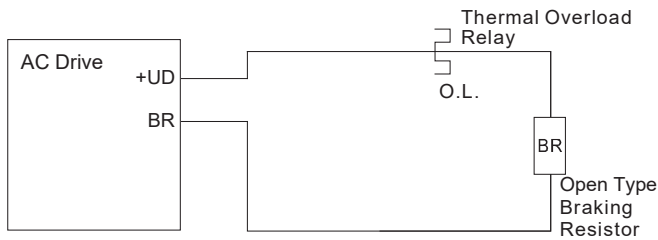


# CFW500 Compatible Accessories

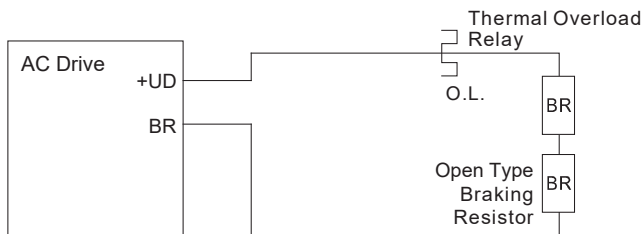
## Brake Wiring

Use your drive's braking component selection table to determine the appropriate brake resistor model and configuration for your drive. Refer to the diagrams below for examples on how to wire each possible configuration.

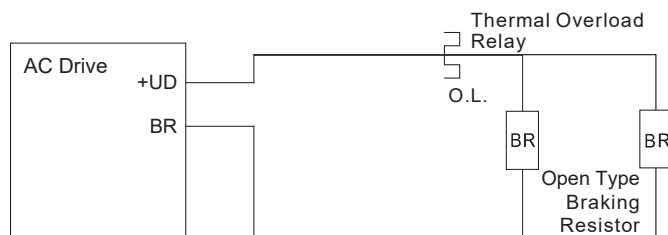
### Drive + 1 Resistor or NEMA1 Resistor:



### Drive + 2 Series Resistors:



### Drive + 2 Parallel Resistors:



### Drive + 2 Series and 2 Parallel Resistors:

