

## WJ200 Dynamic Braking Selection Tables

The WJ200 series inverter models have internal braking units. Additional stopping torque is available by adding external resistors. The required braking torque depends on your particular application. Other tables in this section will help you choose the proper resistor.

| 200V Class         |     | Using Integrated Resistor |                    | Performance at Minimum Resistance |                    |                             | Min. Resistance at 100% Braking Duty Cycle         |                    |
|--------------------|-----|---------------------------|--------------------|-----------------------------------|--------------------|-----------------------------|--|--------------------|
| WJ200 Model Number | HP  | Integrated Resistor       | Braking Torque (%) | Min. Resistance (Ohms)            | Braking Torque (%) | Max. Braking Duty Cycle (%) | Min. Resistance for 100% Braking Duty Cycle (Ohms) | Braking Torque (%) |
| 001S/L             | 1/8 | N.A.                      | 50                 | 100                               | 200                | 10                          | 317  | 150                |
| 002S/L             | 1/4 | N.A.                      | 50                 | 100                               | 200                | 10                          | 317  | 150                |
| 004S/L             | 1/2 | N.A.                      | 50                 | 100                               | 200                | 10                          | 317  | 100                |
| 007S/L             | 1   | N.A.                      | 50                 | 50                                | 200                | 10                          | 159  | 100                |
| 015S/L             | 2   | N.A.                      | 50                 | 50                                | 150                | 10                          | 159  | 50                 |
| 022S/L             | 3   | N.A.                      | 20                 | 35                                | 150                | 10                          | 111  | 50                 |
| 037L               | 5   | N.A.                      | 20                 | 35                                | 100                | 10                          | 111  | 30                 |
| 055L               | 7.5 | N.A.                      | 20                 | 20                                | 80                 | 10                          | 64   | 30                 |
| 075L               | 10  | N.A.                      | 20                 | 17                                | 80                 | 10                          | 54   | 30                 |
| 110L               | 15  | N.A.                      | 15                 | 17                                | 60                 | 10                          | 54   | 20                 |
| 150L               | 20  | N.A.                      | 15                 | 10                                | 60                 | 10                          | 32   | 20                 |

| 400V Class         |     | Using Integrated Resistor |                    | Performance at Minimum Resistance |                    |                             | Min. Resistance at 100% Braking Duty Cycle         |                    |
|--------------------|-----|---------------------------|--------------------|-----------------------------------|--------------------|-----------------------------|--|--------------------|
| WJ200 Model Number | HP  | Integrated Resistor       | Braking Torque (%) | Min. Resistance (Ohms)            | Braking Torque (%) | Max. Braking Duty Cycle (%) | Min. Resistance for 100% Braking Duty Cycle (Ohms) | Braking Torque (%) |
| 004H               | 1/2 | N.A.                      | 50                 | 180                               | 150                | 10                          | 570  | 100                |
| 007H               | 1   | N.A.                      | 50                 | 180                               | 150                | 10                          | 570  | 100                |
| 015H               | 2   | N.A.                      | 50                 | 180                               | 150                | 10                          | 570  | 60                 |
| 022H               | 3   | N.A.                      | 20                 | 100                               | 100                | 10                          | 317  | 60                 |
| 030H               | 4   | N.A.                      | 20                 | 100                               | 100                | 10                          | 317  | 50                 |
| 040H               | 5   | N.A.                      | 20                 | 100                               | 100                | 10                          | 317  | 40                 |
| 055H               | 7.5 | N.A.                      | 20                 | 70                                | 80                 | 10                          | 222  | 40                 |
| 075H               | 10  | N.A.                      | 20                 | 70                                | 80                 | 10                          | 222  | 30                 |
| 110H               | 15  | N.A.                      | 15                 | 70                                | 60                 | 10                          | 222  | 20                 |
| 150H               | 20  | N.A.                      | 15                 | 35                                | 60                 | 10                          | 111  | 20                 |