

| Type           | Brake Type K | Brake Torque Nm | Brake Rated Power W | J Brake Pd <sup>2</sup> Kg m <sup>2</sup> | No.of Starts/hr. Under No Load | Delayed Cut-in Time ★ Msec. | Quick Cut-in Time Msec. | Cut Out Time Msec. | Noise dB(A) |
|----------------|--------------|-----------------|---------------------|-------------------------------------------|--------------------------------|-----------------------------|-------------------------|--------------------|-------------|
| MSBCCL63       | K 1          | 5               | 15                  | 0.00005                                   | 3000                           | 45                          | 20                      | 10                 | 52          |
| MSBCCL 71      | K 2          | 12              | 20                  | 0.00014                                   | 3000                           | 50                          | 30                      | 15                 | 55          |
| MSBCCL 80      | K 3          | 16              | 25                  | 0.00021                                   | 1300                           | 55                          | 30                      | 15                 | 58          |
| MSBCCL 90S     | K 4          | 20              | 30                  | 0.00039                                   | 1100                           | 65                          | 40                      | 15                 | 61          |
| ● MSBCCL 90S   | K 4 D        | 40              | 30                  | 0.00078                                   | 1100                           | 65                          | 40                      | 15                 | 61          |
| MSBCCL 90 L    | K 4          | 20              | 30                  | 0.00039                                   | 1100                           | 65                          | 40                      | 15                 | 63          |
| ● MSBCCL 90 L  | K 4 D        | 40              | 30                  | 0.00078                                   | 1100                           | 65                          | 40                      | 15                 | 63          |
| MSBCCL 100 L   | K 5          | 40              | 45                  | 0.00104                                   | 900                            | 75                          | 45                      | 20                 | 64          |
| ● MSBCCL 100 L | K 6          | 60              | 50                  | 0.00135                                   | 900                            | 180                         | 85                      | 25                 | 65          |
| MSBCCL 112 MT  | K 5          | 40              | 45                  | 0.00104                                   | 880                            | 75                          | 45                      | 20                 | 65          |
| MSBCCL 112 M   | K 6          | 60              | 50                  | 0.00135                                   | 880                            | 180                         | 85                      | 25                 | 65          |
| MSBCCL 132 S   | K 7          | 90              | 55                  | 0.00219                                   | 480                            | 200                         | 95                      | 50                 | 71          |
| ● MSBCCL 132 S | K 7 D        | 180             | 55                  | 0.00438                                   | 480                            | 200                         | 95                      | 50                 | 71          |
| MSBCCL 132 M   | K 7          | 90              | 55                  | 0.00219                                   | 450                            | 200                         | 95                      | 50                 | 71          |
| ● MSBCCL 132 M | K 7 D        | 180             | 55                  | 0.00438                                   | 480                            | 200                         | 95                      | 50                 | 71          |
| MSBCCL 160 MT  | K 7 D        | 180             | 55                  | 0.00438                                   | 350                            | 200                         | 95                      | 50                 | 75          |
| MSBCCL 160 L   | K 8          | 200             | 60                  | 0.00408                                   | 350                            | 210                         | 100                     | 60                 | 75          |
| ● MSBCCL 160 L | K 8 D        | 400             | 60                  | 0.00816                                   | 350                            | 210                         | 100                     | 60                 | 75          |

● Motors with increased braking torque upon request

★ On request, delayed brake cut in time for lifting equipment. We recommend a double disk brake D for lifting equipment

Brake motors have a supply voltage tolerance of +/- 6%