

- 30 YEARS of Supplying SOUTHERN AFRICA -

**BirCRAFT**

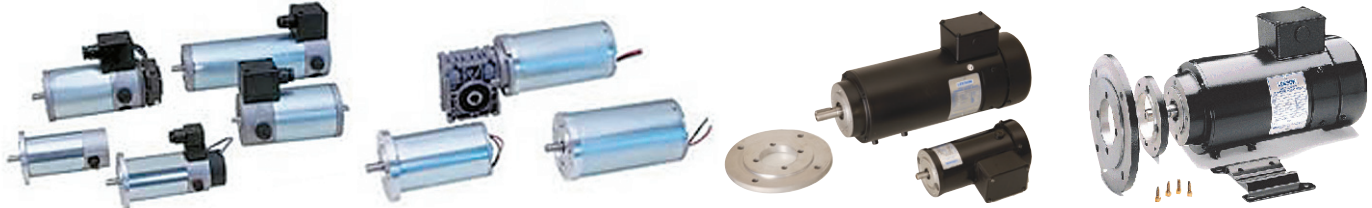
MOTION - AUTOMATION & CONTROLS



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## Permanent Magnets 12v / 24v DC Electric Motors



| Type #    | S Duty | IEC Frame | PN Wattage | n1 RPM | V Volts | I Amps | IC Class "F" | FF Factor | Mn Nm | IP Enclosure | Motor $\phi$ OD mm | Shaft $\phi$ OD mm | Kg  | Spec pdf |
|-----------|--------|-----------|------------|--------|---------|--------|--------------|-----------|-------|--------------|--------------------|--------------------|-----|----------|
| EC020.120 | S1     |           | 20         | 2670   | 12      | 3.1    | F            | 1         | 0.07  | IP20         | 42                 | 5                  | 0.4 | pdf      |
|           | S2     |           | 28         |        |         | 4.3    |              |           | 0.10  |              |                    |                    |     |          |
| EC020.240 | S1     |           | 22         | 3070   | 24      | 1.7    | F            | 1         | 0.07  | IP20         | 42                 | 5                  | 0.4 | pdf      |
|           | S2     |           | 30         |        |         | 2.4    |              |           | 0.10  |              |                    |                    |     |          |
| EC070.120 | S1     | 56        | 70         | 3000   | 12      | 8.4    | F            | 1         | 0.22  | IP44         | 65                 | 9                  | 1.7 | pdf      |
|           | S2     |           | 100        |        |         | 11.8   |              |           | 0.31  |              |                    |                    |     |          |
| EC020.240 | S1     | 56        | 70         | 3000   | 24      | 4.2    | F            | 1         | 0.22  | IP44         | 65                 | 9                  | 1.7 | pdf      |
|           | S2     |           | 100        |        |         | 5.9    |              |           | 0.31  |              |                    |                    |     |          |
| EC100.120 | S1     | 56        | 100        | 3000   | 12      | 12     | F            | 1         | 0.31  | IP44         | 80                 | 9                  | 2.7 | pdf      |
|           | S2     |           | 140        |        |         | 18.8   |              |           | 0.43  |              |                    |                    |     |          |
| EC140.240 | S1     | 56        | 100        | 3000   | 24      | 6      | F            | 1         | 0.31  | IP44         | 80                 | 9                  | 2.7 | pdf      |
|           | S2     |           | 140        |        |         | 8.4    |              |           | 0.43  |              |                    |                    |     |          |
| EC180.120 | S1     | 56        | 180        | 3000   | 12      | 21.5   | F            | 1         | 0.57  | IP44         | 80                 | 9                  | 3.4 | pdf      |
|           | S2     |           | 250        |        |         | 30     |              |           | 0.80  |              |                    |                    |     |          |
| EC180.240 | S1     | 56        | 180        | 3000   | 24      | 10.8   | F            | 1         | 0.57  | IP44         | 80                 | 9                  | 3.4 | pdf      |
|           | S2     |           | 250        |        |         | 15     |              |           | 0.80  |              |                    |                    |     |          |
| EC350.120 | S1     | 63        | 350        | 3000   | 12      | 42     | F            | 1         | 1.12  | IP44         | 110                | 11                 | 5.1 | pdf      |
|           | S2     |           | 500        |        |         | 58.8   |              |           | 1.57  |              |                    |                    |     |          |
| EC350.240 | S1     | 63        | 350        | 3000   | 24      | 21     | F            | 1         | 1.12  | IP44         | 110                | 11                 | 5.3 | pdf      |
|           | S2     |           | 500        |        |         | 29.4   |              |           | 1.57  |              |                    |                    |     |          |
| EC600.120 | S1     | 71        | 600        | 3000   | 12      | 71     | F            | 1         | 1.91  | IP44         | 110                | 14                 | 6.6 | pdf      |
|           | S2     |           | 800        |        |         | 94.4   |              |           | 1.54  |              |                    |                    |     |          |
| EC600.240 | S1     | 71        | 600        | 3000   | 24      | 35.5   | F            | 1         | 1.91  | IP44         | 110                | 14                 | 7.1 | pdf      |
|           | S2     |           | 800        |        |         | 47.2   |              |           | 2.54  |              |                    |                    |     |          |
| LSN 0025  | S1     | 56        | 60         | 3000   | 24      | 3.3    | F            | 1.0       | 0.19  | 54           | 80                 | 9                  | 2.3 | pdf      |
| LSN 0026  | S1     | 56        | 60         | 1800   | 24      | 3.4    | F            | 1.0       | 0.32  | 54           | 80                 | 9                  | 2.8 | pdf      |
| LSN 0206  | S1     | 63        | 180        | 3000   | 24      | 11     | F            | 1.0       | 0.57  | 54           | 90                 | 11                 | 6   | pdf      |
| LSN 0207  | S1     | 63        | 180        | 1800   | 24      | 10     | F            | 1.0       | 0.96  | 54           | 90                 | 11                 | 4.2 | pdf      |
| LSN065    | S1     | 71        | 180        | 1800   | 24      | 11     | F            | 1.0       | 0.96  | 54           | 135                | 14                 | 6   | pdf      |
| LSN066    | S1     | 71        | 370        | 3000   | 24      | 20     | F            | 1.0       | 1.18  | 54           | 135                | 14                 | 4.2 | pdf      |
| LSN 067   | S1     | 71        | 370        | 1800   | 24      | 20     | F            | 1.0       | 1.96  | 54           | 135                | 14                 | 9   | pdf      |
| LSN455    | S1     | 80        | 750        | 1800   | 24      | 39     | F            | 1.0       | 3.98  | 44           | 152                | 19                 | 23  | pdf      |
| LSN456    | S1     | 80        | 750        | 3000   | 24      | 40     | F            | 1.0       | 2.38  | 44           | 152                | 19                 | 15  | pdf      |
| LSN457    | S1     | 80        | 1100       | 3000   | 24      | 65     | F            | 1.0       | 3.50  | 44           | 152                | 19                 | 16  | pdf      |
| LSN458    | S1     | 80        | 1500       | 3000   | 24      | 78     | F            | 1.0       | 4.78  | 44           | 152                | 19                 | 20  | pdf      |

**S1 - Continuous Duty**  
**S2 - Short time duty**

Motor works at a constant load for enough time to reach temperature equilibrium.

Motor works at a constant load, but **NOT long enough** to reach temperature equilibrium and ensure the rest period are long enough for the motor to reach ambient temperature.

**BAYSIDE**

**HUBNER**

**SPG**

**BODINE**

**BALDOR**

**REG-PRCILEC**

**LEESON**

**maxon**

**PARVALUX**

**GEFEG-NECKAR**

**GROSCHOPP**

**Dunker**

**RELIANCE**

**ENGEL**

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