

CARACTERÍSTICAS TÉCNICAS – SÉRIE GL (IE1 ALUMÍNIO)

|     | Tamanho   | Potência |      | Intensidade Nominal |       |       | Velocidade Nominal | Frequência | Binário de arranque | Binário Nominal Saída | Intensidade no arranque | Rendimento | Fator de Potência | Nível de Ruído | Peso | Momento de Inércia WK² |
|-----|-----------|----------|------|---------------------|-------|-------|--------------------|------------|---------------------|-----------------------|-------------------------|------------|-------------------|----------------|------|------------------------|
| NO. | Tipo      | kW       | HP   | Amps (A)            |       |       | r/min              | (HZ)       | LRT/RLT             | BDT/RLT               | LRA/RLA                 | η (%)      | (cosφ)            | LwdB(A)        | kg   | J kgm²                 |
|     |           |          |      | 380V                | 400V  | 415V  |                    |            |                     |                       |                         |            |                   |                |      |                        |
| 1   | GL561-2   | 0.09     | 0.12 | 0.29                | 0.27  | 0.26  | 2700               | 50         | 2.2                 | 2.1                   | 5.2                     | 62         | 0.77              | 57             | 3.8  | 0.00018                |
| 2   | GL562-2   | 0.12     | 0.16 | 0.37                | 0.35  | 0.33  | 2700               | 50         | 2.2                 | 2.1                   | 5.2                     | 64         | 0.78              | 57             | 4    | 0.00023                |
| 3   | GL63M1-2  | 0.18     | 0.25 | 0.53                | 0.5   | 0.49  | 2720               | 50         | 2.3                 | 2.3                   | 5.5                     | 65         | 0.8               | 61             | 4.5  | 0.00031                |
| 4   | GL63M2-2  | 0.25     | 0.34 | 0.69                | 0.65  | 0.63  | 2720               | 50         | 2.3                 | 2.3                   | 5.5                     | 68         | 0.81              | 61             | 4.7  | 0.0006                 |
| 5   | GL71M1-2  | 0.37     | 0.5  | 1.01                | 0.96  | 0.92  | 2755               | 50         | 2.2                 | 2.3                   | 6.1                     | 69         | 0.81              | 64             | 6    | 0.00075                |
| 6   | GL71M2-2  | 0.55     | 0.75 | 1.38                | 1.3   | 1.26  | 2790               | 50         | 2.3                 | 2.3                   | 6.1                     | 74         | 0.82              | 64             | 6.3  | 0.0009                 |
| 7   | GL80M1-2  | 0.75     | 1    | 1.77                | 1.67  | 1.6   | 2845               | 50         | 2.3                 | 2.2                   | 6.1                     | 75         | 0.83              | 67             | 10   | 0.0012                 |
| 8   | GL80M2-2  | 1.1      | 1.5  | 2.61                | 2.34  | 2.24  | 2835               | 50         | 2.3                 | 2.2                   | 6.9                     | 76.2       | 0.84              | 67             | 11   | 0.0014                 |
| 9   | GL90S-2   | 1.5      | 2    | 3.46                | 3.29  | 3.15  | 2850               | 50         | 2.3                 | 2.2                   | 7.0                     | 78.5       | 0.84              | 72             | 13   | 0.0029                 |
| 10  | GL90L-2   | 2.2      | 3    | 4.85                | 4.6   | 4.4   | 2855               | 50         | 2.3                 | 2.2                   | 7.0                     | 81         | 0.85              | 72             | 14   | 0.0055                 |
| 11  | GL100L-2  | 3        | 4    | 6.34                | 6.02  | 5.77  | 2860               | 50         | 2.3                 | 2.2                   | 7.5                     | 82.6       | 0.87              | 76             | 24   | 0.0109                 |
| 12  | GL112M-2  | 4        | 5.5  | 8.2                 | 7.8   | 7.46  | 2880               | 50         | 2.3                 | 2.2                   | 7.5                     | 84.2       | 0.88              | 77             | 28   | 0.0126                 |
| 13  | GL132S1-2 | 5.5      | 7.5  | 11.1                | 10.5  | 10.1  | 2900               | 50         | 2.3                 | 2.2                   | 7.5                     | 85.7       | 0.88              | 80             | 40   | 0.0377                 |
| 14  | GL132S2-2 | 7.5      | 10   | 14.9                | 14.15 | 13.56 | 2900               | 50         | 2.3                 | 2.2                   | 7.5                     | 87         | 0.88              | 80             | 43   | 0.0499                 |
| 15  | GL160M1-2 | 11       | 15   | 21.3                | 20.2  | 19.4  | 2930               | 50         | 2.3                 | 2.2                   | 7.5                     | 88         | 0.89              | 86             | 83   | 0.055                  |
| 16  | GL160M2-2 | 15       | 20   | 28.8                | 27.4  | 26.2  | 2930               | 50         | 2.3                 | 2.2                   | 7.5                     | 89         | 0.89              | 86             | 90   | 0.075                  |
| 17  | GL160L-2  | 18.5     | 25   | 34.7                | 32.97 | 31.6  | 2930               | 50         | 2.3                 | 2.2                   | 7.5                     | 90         | 0.9               | 86             | 104  | 0.124                  |
| 18  | GL561-4   | 0.06     | 0.08 | 0.23                | 0.22  | 0.21  | 1300               | 50         | 2.1                 | 2.0                   | 4.0                     | 56         | 0.7               | 48             | 3.8  | 0.0003                 |
| 19  | GL562-4   | 0.09     | 0.12 | 0.33                | 0.31  | 0.3   | 1300               | 50         | 2.1                 | 2.0                   | 4.0                     | 58         | 0.72              | 48             | 4    | 0.0004                 |
| 20  | GL63M1-4  | 0.12     | 0.18 | 0.44                | 0.42  | 0.4   | 1310               | 50         | 2.2                 | 2.1                   | 4.4                     | 57         | 0.72              | 52             | 4.5  | 0.0005                 |
| 21  | GL63M2-4  | 0.18     | 0.25 | 0.62                | 0.59  | 0.56  | 1310               | 50         | 2.2                 | 2.1                   | 4.4                     | 60         | 0.73              | 52             | 4.7  | 0.0006                 |
| 22  | GL71M1-4  | 0.25     | 0.34 | 0.79                | 0.75  | 0.72  | 1340               | 50         | 2.2                 | 2.1                   | 5.2                     | 65         | 0.74              | 55             | 6    | 0.0008                 |
| 23  | GL71M2-4  | 0.37     | 0.5  | 1.12                | 1.1   | 1     | 1340               | 50         | 2.2                 | 2.1                   | 5.2                     | 67         | 0.75              | 55             | 6.3  | 0.0013                 |
| 24  | GL80M1-4  | 0.55     | 0.75 | 1.52                | 1.44  | 1.38  | 1390               | 50         | 2.3                 | 2.4                   | 5.2                     | 71         | 0.75              | 58             | 10   | 0.0018                 |
| 25  | GL80M2-4  | 0.75     | 1    | 1.95                | 1.85  | 1.77  | 1390               | 50         | 2.3                 | 2.3                   | 6.0                     | 73         | 0.76              | 58             | 11   | 0.0021                 |
| 26  | GL90S-4   | 1.1      | 1.5  | 2.85                | 2.7   | 2.6   | 1390               | 50         | 2.3                 | 2.3                   | 6.0                     | 76.2       | 0.77              | 61             | 12   | 0.0023                 |

|     | Tamanho   | Potência |      | Intensidade Nominal |       |       | Velocidade Nominal | Frequência | Binário de arranque | Binário Nominal Saída | Intensidade no arranque | Rendimento | Fator de Potência | Nível de Ruído | Peso | Momento de Inércia WK² |
|-----|-----------|----------|------|---------------------|-------|-------|--------------------|------------|---------------------|-----------------------|-------------------------|------------|-------------------|----------------|------|------------------------|
| NO. | Tipo      | kW       | HP   | Amps (A)            |       |       | r/min              | (HZ)       | LRT/RLT             | BDT/RLT               | LRA/RLA                 | η          | (cosφ)            | LwdB(A)        | kg   | J                      |
|     |           |          |      | 380V                | 400V  | 415V  |                    |            |                     |                       |                         | (%)        |                   |                |      | kgm²                   |
| 27  | GL90L-4   | 1.5      | 2    | 3.72                | 3.53  | 3.39  | 1400               | 50         | 2.3                 | 2.3                   | 6.0                     | 78.5       | 0.78              | 61             | 14   | 0.0027                 |
| 28  | GL100L1-4 | 2.2      | 3    | 5.09                | 4.83  | 4.6   | 1420               | 50         | 2.3                 | 2.3                   | 7.0                     | 81         | 0.81              | 64             | 23   | 0.0054                 |
| 29  | GL100L2-4 | 3        | 4    | 6.78                | 6.4   | 6.17  | 1420               | 50         | 2.3                 | 2.3                   | 7.0                     | 82.6       | 0.82              | 64             | 25   | 0.0067                 |
| 30  | GL112M-4  | 4        | 5.5  | 8.8                 | 8.36  | 8     | 1435               | 50         | 2.3                 | 2.3                   | 7.0                     | 84.2       | 0.82              | 65             | 29   | 0.0095                 |
| 31  | GL132S-4  | 5.5      | 7.5  | 11.7                | 11.12 | 10.65 | 1440               | 50         | 2.3                 | 2.3                   | 7.0                     | 85.7       | 0.83              | 71             | 43   | 0.0214                 |
| 32  | GL132M-4  | 7.5      | 10   | 15.6                | 14.8  | 14.2  | 1450               | 50         | 2.3                 | 2.3                   | 7.0                     | 87         | 0.84              | 71             | 55   | 0.0296                 |
| 33  | GL160M-4  | 11       | 15   | 22.3                | 21.2  | 20.3  | 1460               | 50         | 2.3                 | 2.3                   | 7.0                     | 88         | 0.85              | 75             | 86   | 0.0747                 |
| 34  | GL160L-4  | 15       | 20   | 30.1                | 28.6  | 27.4  | 1460               | 50         | 2.3                 | 2.3                   | 7.0                     | 89         | 0.85              | 75             | 100  | 0.0918                 |
| 35  | GL71M1-6  | 0.18     | 0.25 | 0.74                | 0.7   | 0.67  | 870                | 50         | 2.0                 | 1.9                   | 4.0                     | 56         | 0.66              | 52             | 6    | 0.0011                 |
| 36  | GL71M2-6  | 0.25     | 0.34 | 0.95                | 0.9   | 0.86  | 870                | 50         | 2.0                 | 1.9                   | 4.0                     | 59         | 0.68              | 52             | 6.3  | 0.0014                 |
| 37  | GL80M1-6  | 0.37     | 0.5  | 1.23                | 1.17  | 1.12  | 880                | 50         | 2.0                 | 1.9                   | 4.7                     | 62         | 0.7               | 54             | 10   | 0.0016                 |
| 38  | GL80M2-6  | 0.55     | 0.75 | 1.7                 | 1.6   | 1.55  | 880                | 50         | 2.1                 | 1.9                   | 4.7                     | 65         | 0.72              | 54             | 11   | 0.0019                 |
| 39  | GL90S-6   | 0.75     | 1    | 2.29                | 2.18  | 2.08  | 905                | 50         | 2.1                 | 2.0                   | 5.3                     | 69         | 0.72              | 57             | 13   | 0.0029                 |
| 40  | GL90L-6   | 1.1      | 1.5  | 3.18                | 3.02  | 2.9   | 905                | 50         | 2.1                 | 2.0                   | 5.5                     | 72         | 0.73              | 57             | 14   | 0.0035                 |
| 41  | GL100L-6  | 1.5      | 2    | 4                   | 3.8   | 3.64  | 920                | 50         | 2.1                 | 2.0                   | 5.5                     | 76         | 0.76              | 61             | 23   | 0.0069                 |
| 42  | GL112M-6  | 2.2      | 3    | 5.6                 | 5.32  | 5.1   | 935                | 50         | 2.1                 | 2.0                   | 6.5                     | 79         | 0.76              | 65             | 28   | 0.014                  |
| 43  | GL132S-6  | 3        | 4    | 7.4                 | 7.03  | 6.73  | 960                | 50         | 2.1                 | 2.1                   | 6.5                     | 81         | 0.76              | 69             | 38   | 0.0286                 |
| 44  | GL132M1-6 | 4        | 5.5  | 9.5                 | 9.03  | 8.65  | 960                | 50         | 2.1                 | 2.1                   | 6.5                     | 82         | 0.76              | 69             | 50   | 0.0357                 |
| 45  | GL132M2-6 | 5.5      | 7.5  | 12.6                | 11.97 | 11.16 | 960                | 50         | 2.1                 | 2.1                   | 6.5                     | 84         | 0.77              | 69             | 57   | 0.0449                 |
| 46  | GL160M-6  | 7.5      | 10   | 16.9                | 16.1  | 15.6  | 970                | 50         | 2.1                 | 2.0                   | 6.5                     | 86         | 0.78              | 73             | 82   | 0.081                  |
| 47  | GL160L-6  | 11       | 15   | 24.2                | 22.99 | 22.02 | 970                | 50         | 2.1                 | 2.0                   | 6.5                     | 87.5       | 0.79              | 73             | 93   | 0.0116                 |
| 48  | GL80M1-8  | 0.18     | 0.25 | 0.83                | 0.79  | 0.75  | 645                | 50         | 1.9                 | 1.8                   | 3.3                     | 51         | 0.61              | 52             | 10   | 0.0025                 |
| 49  | GL80M2-8  | 0.25     | 0.34 | 1.1                 | 1.05  | 1     | 645                | 50         | 1.9                 | 1.8                   | 3.3                     | 54         | 0.61              | 52             | 11   | 0.003                  |
| 50  | GL90S-8   | 0.37     | 0.5  | 1.49                | 1.4   | 1.36  | 675                | 50         | 1.9                 | 1.8                   | 4.0                     | 62         | 0.61              | 56             | 13   | 0.0051                 |
| 51  | GL90L-8   | 0.55     | 0.75 | 2.17                | 2.06  | 2     | 680                | 50         | 2.0                 | 1.8                   | 4.0                     | 63         | 0.61              | 56             | 15   | 0.0065                 |
| 52  | GL100L1-8 | 0.75     | 1    | 2.43                | 2.3   | 2.2   | 680                | 50         | 2.0                 | 1.8                   | 4.0                     | 70         | 0.67              | 59             | 23   | 0.0095                 |
| 53  | GL100L2-8 | 1.1      | 1.5  | 3.36                | 3.2   | 3.06  | 680                | 50         | 2.0                 | 1.8                   | 5.0                     | 72         | 0.69              | 59             | 25   | 0.011                  |
| 54  | GL112M-8  | 1.5      | 2    | 4.4                 | 4.22  | 4.04  | 690                | 50         | 2.0                 | 1.8                   | 5.0                     | 74         | 0.7               | 61             | 28   | 0.0245                 |

|     | Tamanho    | Potência |      | Intensidade Nominal |      |       | Velocidade Nominal | Frequência | Binário de arranque | Binário Nominal Saída | Intensidade no arranque | Rendimento | Fator de Potência | Nível de Ruído | Peso | Momento de Inércia WK² |
|-----|------------|----------|------|---------------------|------|-------|--------------------|------------|---------------------|-----------------------|-------------------------|------------|-------------------|----------------|------|------------------------|
| NO. | Tipo       | kW       | HP   | Amps (A)            |      |       | r/min              | (HZ)       | LRT/RLT             | BDT/RLT               | LRA/RLA                 | η (%)      | (cosφ)            | LwdB(A)        | kg   | J kgm²                 |
|     |            |          |      | 380V                | 400V | 415V  |                    |            |                     |                       |                         |            |                   |                |      |                        |
| 55  | GL132S-8   | 2.2      | 3    | 6                   | 5.7  | 5.46  | 710                | 50         | 2.0                 | 1.8                   | 6.0                     | 79         | 0.71              | 64             | 40   | 0.0314                 |
| 56  | GL132M-8   | 3        | 4    | 7.8                 | 7.4  | 7.1   | 710                | 50         | 2.0                 | 1.8                   | 6.0                     | 80         | 0.73              | 64             | 45   | 0.0395                 |
| 57  | GL160M1-8  | 4        | 5.5  | 10.3                | 9.78 | 9.37  | 720                | 50         | 2.0                 | 1.9                   | 6.0                     | 81         | 0.73              | 68             | 71   | 0.0753                 |
| 58  | GL160M2-8  | 5.5      | 7.5  | 13.6                | 12.9 | 12.38 | 720                | 50         | 2.0                 | 2.0                   | 6.5                     | 83         | 0.74              | 68             | 82.5 | 0.0931                 |
| 59  | GL100L1-10 | 0.25     | 0.34 | 1.33                | 1.26 | 1.22  | 530                | 50         | 1.2                 | 1.7                   | 3.2                     | 55         | 0.52              | 59             |      | 0.0057                 |
| 60  | GL100L2-10 | 0.37     | 0.5  | 1.89                | 1.8  | 1.73  | 530                | 50         | 1.2                 | 1.7                   | 3.2                     | 56         | 0.53              | 59             |      | 0.0073                 |
| 61  | GL112M1-10 | 0.55     | 0.75 | 2.5                 | 2.37 | 2.29  | 540                | 50         | 1.2                 | 1.7                   | 3.4                     | 62         | 0.54              | 61             |      | 0.0101                 |
| 62  | GL112M2-10 | 0.75     | 1    | 3.3                 | 3.12 | 3.01  | 540                | 50         | 1.2                 | 1.7                   | 3.4                     | 63         | 0.55              | 61             |      | 0.0123                 |
| 63  | GL132S-10  | 1.1      | 1.5  | 4.4                 | 4.2  | 4     | 550                | 50         | 1.2                 | 1.7                   | 3.6                     | 69         | 0.55              | 64             |      | 0.0274                 |
| 64  | GL132M-10  | 1.5      | 2    | 5.7                 | 5.5  | 5.2   | 565                | 50         | 1.2                 | 1.7                   | 3.6                     | 71         | 0.56              | 64             |      | 0.0351                 |
| 65  | GL160M1-10 | 2.2      | 3    | 7.7                 | 7.3  | 7.1   | 575                | 50         | 1.3                 | 1.8                   | 4.0                     | 76         | 0.57              | 68             |      | 0.0442                 |
| 66  | GL160M2-10 | 3        | 4    | 10.2                | 9.7  | 9.4   | 575                | 50         | 1.3                 | 1.8                   | 4.0                     | 77         | 0.58              | 68             |      | 0.0841                 |
| 67  | GL100L1-12 | 0.25     | 0.34 | 1.55                | 1.47 | 1.42  | 420                | 50         | 1.1                 | 1.7                   | 2.8                     | 50         | 0.49              | 59             |      | 0.0074                 |
| 68  | GL100L2-12 | 0.37     | 0.5  | 2.21                | 2.1  | 2.02  | 425                | 50         | 1.1                 | 1.7                   | 2.8                     | 52         | 0.49              | 59             |      | 0.0103                 |
| 69  | GL112M1-12 | 0.55     | 0.75 | 3.01                | 2.84 | 2.74  | 435                | 50         | 1.1                 | 1.7                   | 3.2                     | 57         | 0.49              | 61             |      | 0.0126                 |
| 70  | GL132S1-12 | 0.75     | 1    | 3.6                 | 3.4  | 3.3   | 440                | 50         | 1.1                 | 1.7                   | 3.4                     | 63         | 0.5               | 61             |      | 0.028                  |
| 71  | GL132S2-12 | 1.1      | 1.5  | 5.1                 | 4.9  | 4.7   | 450                | 50         | 1.1                 | 1.7                   | 3.4                     | 65         | 0.5               | 64             |      | 0.0359                 |
| 72  | GL132M-12  | 1.5      | 2    | 6.7                 | 6.3  | 6.1   | 460                | 50         | 1.1                 | 1.7                   | 3.5                     | 68         | 0.5               | 64             |      | 0.0452                 |
| 73  | GL160M-12  | 2.2      | 3    | 9                   | 8.5  | 8.2   | 465                | 50         | 1.1                 | 1.8                   | 4.0                     | 74         | 0.5               | 68             |      | 0.0861                 |
| 74  | GL160L-12  | 3        | 4    | 12.2                | 11.6 | 11.2  | 470                | 50         | 1.1                 | 1.8                   | 4.0                     | 74.5       | 0.5               | 68             |      | 0.1065                 |
| 75  | GL112M1-16 | 0.25     | 0.34 | 1.52                | 1.44 | 1.39  | 310                | 50         | 0.9                 | 1.6                   | 2.5                     | 48         | 0.47              | 61             |      | 0.0285                 |
| 76  | GL112M2-16 | 0.37     | 0.5  | 2.34                | 2.22 | 2.14  | 315                | 50         | 0.9                 | 1.6                   | 2.5                     | 48.5       | 0.47              | 64             |      | 0.0366                 |
| 77  | GL132M-16  | 0.55     | 0.75 | 3.2                 | 3    | 2.9   | 330                | 50         | 0.9                 | 1.6                   | 2.7                     | 54         | 0.48              | 64             |      | 0.046                  |
| 78  | GL160M1-16 | 0.75     | 1    | 3.8                 | 3.6  | 3.4   | 340                | 50         | 0.9                 | 1.6                   | 2.8                     | 62         | 0.48              | 68             |      | 0.0877                 |

|     | Tamanho    | Potência |     | Intensidade Nominal |      |      | Velocidade Nominal | Frequência | Binário de arranque | Binário Nominal Saída | Intensidade no arranque | Rendimento | Fator de Potência | Nível de Ruído | Peso | Momento de Inércia WK² |
|-----|------------|----------|-----|---------------------|------|------|--------------------|------------|---------------------|-----------------------|-------------------------|------------|-------------------|----------------|------|------------------------|
| NO. | Tipo       | kW       | HP  | Amps (A)            |      |      | r/min              | (HZ)       | LRT/RLT             | BDT/RLT               | LRA/RLA                 | η          | (cosφ)            | LwdB(A)        | kg   | J                      |
|     |            |          |     | 380V                | 400V | 415V |                    |            |                     |                       |                         | (%)        |                   |                |      | kgm²                   |
|     |            |          |     |                     |      |      |                    |            |                     |                       |                         |            |                   |                |      |                        |
| 79  | GL160M2-16 | 1.1      | 1.5 | 5.4                 | 5.1  | 4.9  | 345                | 50         | 0.9                 | 1.6                   | 2.8                     | 64         | 0.48              | 68             |      | 0.1084                 |
| 80  | GL160L-16  | 1.5      | 2   | 7.1                 | 6.7  | 6.5  | 345                | 50         | 0.9                 | 1.6                   | 2.8                     | 66         | 0.48              | 70             |      | 0.1467                 |