

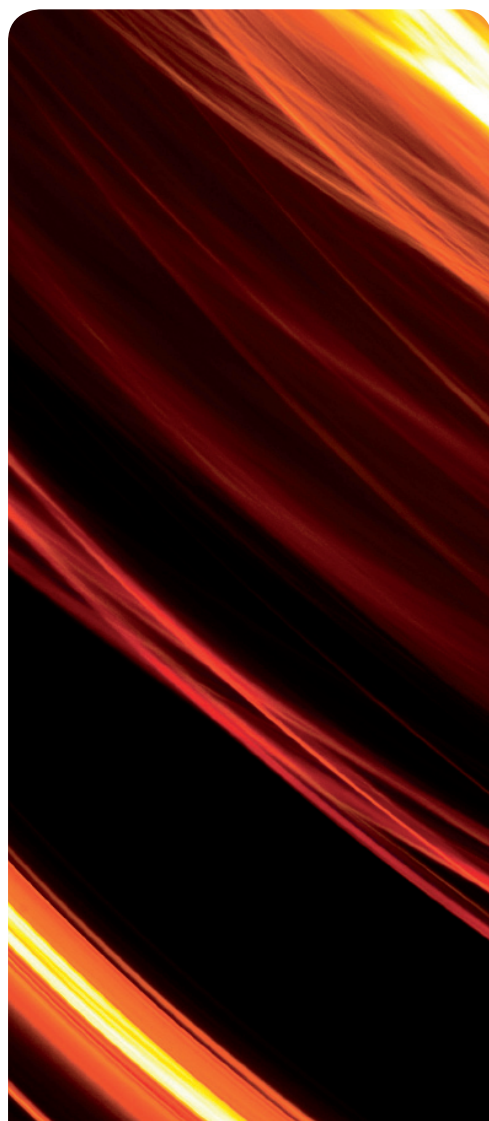


# SERIE SIMOTOP

## MOTORI ASINCRONI TRIFASI

### ALTA EFFICIENZA

### IE1 • IE2



# SERIE SIMOTOP

## IE1 • IE2

MOTORI ELETTRICI ASINCRONI TRIFASI  
CARCASSA IN ALLUMINIO

I motori elettrici asincroni trifasi della **serie Simotop** sono realizzati su un progetto moderno ed innovativo, con materiali di alta qualità ed in conformità agli standard IEC.

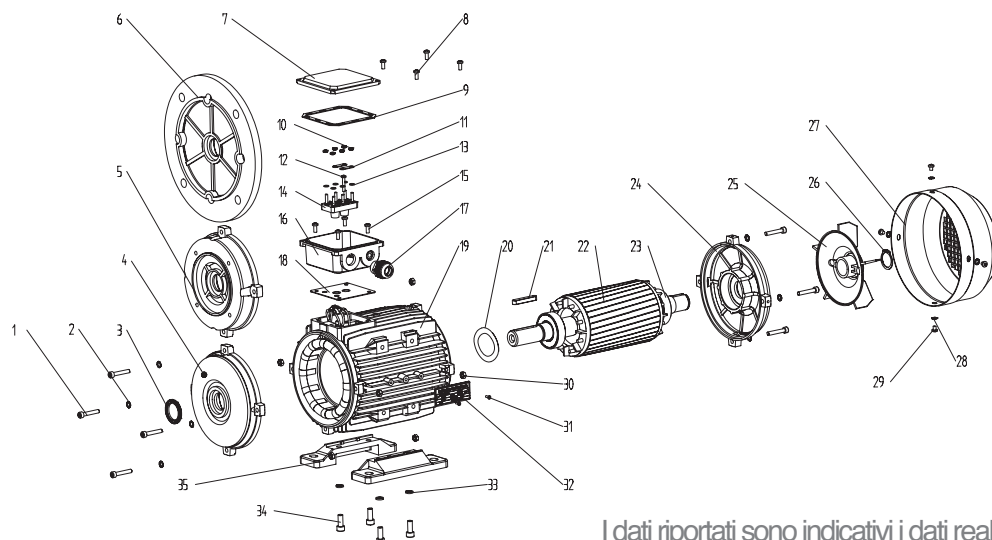
I motori della **serie Simotop** hanno elevate prestazioni, bassa rumorosità, basse vibrazioni, rispettano l'ambiente garantendo bassi consumi, elevati livelli di efficienza in linea con gli standard IE1 ed IE2.

I motori della **serie Simotop** garantiscono elevata affidabilità e sicurezza di funzionamento costante nel tempo.

## CERTIFICATI



## ELENCO PARTI DI RICAMBIO - Esploso del motore



- |                               |                             |
|-------------------------------|-----------------------------|
| 1. Screw                      | 21. Key                     |
| 2. Gasket                     | 22. Rotor                   |
| 3. Oil seal                   | 23. Bearing                 |
| 4. Front endshield            | 24. NDE endshield           |
| 5. B14 flange                 | 25. Cooling fan             |
| 6. B5 flange                  | 26. Fan circlip             |
| 7. TB cover                   | 27. Fan cover               |
| 8. TB fixing screws           | 28. Fan cover fixing shim   |
| 9. TB upper gasket            | 29. Fan cover fixing screws |
| 10. Terminal board fixing nut | 30. Endshield fixing nut    |
| 11. Terminal bridge           | 31. Rivet                   |
| 12. Terminal pin              | 32. Nameplate               |
| 13. Terminal shim             | 33. Foot fixing nut         |
| 14. Terminal board            | 34. Foot fixing screws      |
| 15. TB fixing screws          | 35. Foot                    |
| 16. TB base                   |                             |
| 17. Cable gland               |                             |
| 18. TB bottom gasket          |                             |
| 19. Frame                     |                             |
| 20. Preload washer            |                             |

I dati riportati sono indicativi i dati reali possono essere cambiati a discrezione dell'azienda senza preavviso.

## FORME COSTRUTTIVE

Le forme costruttive secondo lo Standard IEC 60034-7 relativamente ai motori standard sono quelle riportate nella tabella sottoriportata.

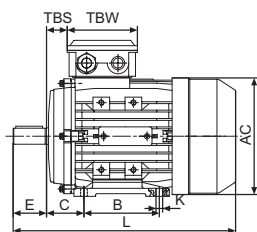
|                                                                                     | Standards |             |         | Frame Sizes  |
|-------------------------------------------------------------------------------------|-----------|-------------|---------|--------------|
|                                                                                     | CEI 2-14  | IEC 60034-7 |         | 56-200       |
|                                                                                     |           | Code I      | Code II |              |
|  | B3        | IM B3       | IM 1001 | Standard     |
|  | B3/B5     | IM B35      | IM 2001 | Standard     |
|  | B5        | IM B5       | IM 3001 | Standard     |
|  | B14       | IM B14      | IM 4001 | Standard     |
|  | B8        | IM B8       | IM 1071 | Upon request |
|  | B6        | IM B6       | IM 1051 | Upon request |
|  | B7        | IM B7       | IM 1061 | Upon request |

|                                                                                     | Standards |             |         | Frame Sizes  |
|-------------------------------------------------------------------------------------|-----------|-------------|---------|--------------|
|                                                                                     | CEI 2-14  | IEC 60034-7 |         | 56-200       |
|                                                                                     |           | Code I      | Code II |              |
|  | V1        | IM V1       | IM 3011 | Standard     |
|  | V3        | IM V3       | IM 3031 | Upon request |
|  | V5        | IM V5       | IM 1011 | Upon request |
|  | V6        | IM V6       | IM 1031 | Upon request |
|  | V1/V5     | IM V15      | IM 2011 | Upon request |

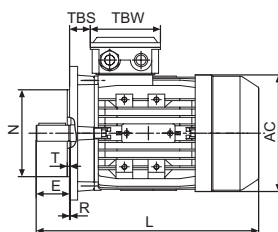
### Motori elettrici carcassa in alluminio - Cuscinetti - Anelli di tenuta

| Frame  | Bearings  |               | Oil Seals |                    |
|--------|-----------|---------------|-----------|--------------------|
|        | Drive End | Non-drive End | Drive End | Non-drive End      |
| 56     | 6201      | 6201          | 12×22×5   | 12×22×5            |
| 63     | 6201      | 6201          | 12×24×5   | 12×24×5            |
| 71     | 6202      | 6202          | 15×25×7   | 15×25×7            |
| 80     | 6204      | 6204          | 20×34×7   | 20×34×7            |
| 90S    | 6205      | 6205(6204)※※  | 25×37×7   | 25×37×7(20×34×7)※※ |
| 90L    | 6205      | 6205(6204)※※  | 25×37×7   | 25×37×7(20×34×7)※※ |
| 100L   | 6206      | 6206          | 30×44×7   | 30×44×7            |
| 112M   | 6306      | 6206(6306)    | 30×44×7   | 30×44×7            |
| 132S   | 6308      | 6208(6308)    | 40×58×7   | 40×58×7            |
| 132M/L | 6308      | 6208(6308)    | 40×58×7   | 40×58×7            |
| 160M   | 6309      | 6309          | 45×65×8   | 45×65×8            |
| 160L   | 6309      | 6309          | 45×65×8   | 45×65×8            |
| 180M   | 6311      | 6211          | 55×72×8   | 55×72×8            |
| 180L   | 6311      | 6211          | 55×72×8   | 55×72×8            |
| 200L   | 6312      | 6212          | 60×80×8   | 60×80×8            |

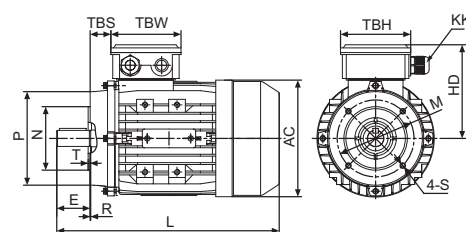
## SERIE SIMOTOP



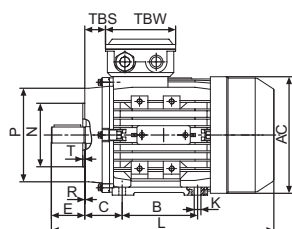
IM B3



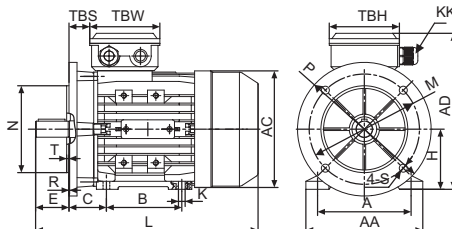
IM B5



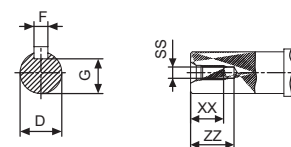
IM B14



IM B34



IM B35



## DIMENSIONI DI INGOMBRO E DI INSTALLAZIONE

| Frame   | Foot Mounting |     |         |     |         | Shaft |     |    |      |     |    |    |     | General |     |      |          |          |           |     |     |     |  |
|---------|---------------|-----|---------|-----|---------|-------|-----|----|------|-----|----|----|-----|---------|-----|------|----------|----------|-----------|-----|-----|-----|--|
|         | H             | A   | B       | C   | K       | D     | E   | F  | G    | SS  | XX | ZZ | AA  | AD      | HD  | AC   | L        | LCCL *   | KK        | TBS | TBW | TBH |  |
| 56      | 56            | 90  | 71      | 36  | 5.8X8.8 | Ø9    | 20  | 3  | 7.2  | M3  | 9  | 12 | 110 | 156     | 100 | Ø117 | 196      | 232      | 1-M16X1.5 | 14  | 88  | 88  |  |
| 63      | 63            | 100 | 80      | 40  | 7X10    | Ø11   | 23  | 4  | 8.5  | M4  | 10 | 14 | 120 | 171     | 108 | Ø130 | 220      | 258      | 1-M16X1.5 | 14  | 94  | 94  |  |
| 71**    | 71            | 112 | 90      | 45  | 7X10    | Ø14   | 30  | 5  | 11   | M5  | 12 | 17 | 132 | 186     | 115 | Ø147 | 241(255) | 282(296) | 1-M20X1.5 | 20  | 94  | 94  |  |
| 80      | 80            | 125 | 100     | 50  | 10X13   | Ø19   | 40  | 6  | 15.5 | M6  | 16 | 21 | 160 | 213     | 133 | Ø163 | 290      | 339      | 1-M20X1.5 | 27  | 105 | 105 |  |
| 90S     | 90            | 140 | 100     | 56  | 10X13   | Ø24   | 50  | 8  | 20   | M8  | 19 | 25 | 175 | 229     | 139 | Ø183 | 312      | 361      | 1-M20X1.5 | 30  | 105 | 105 |  |
| 90L1/L2 | 90            | 140 | 125     | 56  | 10X13   | Ø24   | 50  | 8  | 20   | M8  | 19 | 25 | 175 | 229     | 139 | Ø183 | 337/367  | 386/416  | 1-M20X1.5 | 30  | 105 | 105 |  |
| 100**   | 100           | 160 | 140     | 63  | 12X15   | Ø28   | 60  | 8  | 24   | M10 | 22 | 30 | 198 | 252     | 152 | Ø205 | 369(387) | 425(443) | 2-M20X1.5 | 26  | 105 | 105 |  |
| 112     | 112           | 190 | 140     | 70  | 12X15   | Ø28   | 60  | 8  | 24   | M10 | 22 | 30 | 220 | 279     | 167 | Ø229 | 395      | 463      | 2-M25X1.5 | 32  | 112 | 112 |  |
| 132S    | 132           | 216 | 140     | 89  | 12X15   | Ø38   | 80  | 10 | 33   | M12 | 28 | 37 | 252 | 318     | 186 | Ø265 | 437      | 497      | 2-M25X1.5 | 38  | 112 | 112 |  |
| 132M/L  | 132           | 216 | 178     | 89  | 12X15   | Ø38   | 80  | 10 | 33   | M12 | 28 | 37 | 252 | 318     | 186 | Ø265 | 475/501  | 535/561  | 2-M25X1.5 | 38  | 112 | 112 |  |
| 160M/L  | 160           | 254 | 210/254 | 108 | 15X19   | Ø42   | 110 | 12 | 37   | M16 | 36 | 45 | 290 | 384     | 224 | Ø325 | 640      | 697      | 2-M32X1.5 | 64  | 143 | 143 |  |
| 180M/L  | 180           | 279 | 241/279 | 121 | 15X25   | Ø48   | 110 | 14 | 42.5 | M16 | 36 | 45 | 340 | 440     | 260 | Ø368 | 730      |          | 2-M32X1.5 | 73  | 190 | 190 |  |
| 200L    | 200           | 318 | 305     | 133 | 19X29   | Ø55   | 110 | 16 | 49   | M20 | 42 | 53 | 390 | 460     | 260 | Ø368 | 745      |          | 2-M40X1.5 | 85  | 190 | 190 |  |

| Frame   | B5   |      |      |     |     |   | B5R  |      |      |     |     |   | B14  |      |      |     |     |   | B14B |      |      |     |     |   |
|---------|------|------|------|-----|-----|---|------|------|------|-----|-----|---|------|------|------|-----|-----|---|------|------|------|-----|-----|---|
|         | M    | N    | P    | T   | S   | R | M    | N    | P    | T   | S   | R | N    | M    | P    | T   | S   | R | N    | M    | P    | T   | S   | R |
| 56      | Ø100 | Ø80  | Ø120 | 3.0 | Ø7  | 0 |      |      |      |     |     |   | Ø50  | Ø65  | Ø80  | 2.5 | M5  | 0 |      |      |      |     |     |   |
| 63      | Ø115 | Ø95  | Ø140 | 3.0 | Ø10 | 0 |      |      |      |     |     |   | Ø60  | Ø75  | Ø90  | 2.5 | M5  | 0 | Ø80  | Ø100 | Ø120 | 3.0 | M6  | 0 |
| 71**    | Ø130 | Ø110 | Ø160 | 3.5 | Ø10 | 0 | Ø115 | Ø95  | Ø140 | 3.5 | Ø10 | 0 | Ø70  | Ø85  | Ø105 | 2.5 | M6  | 0 | Ø95  | Ø115 | Ø140 | 3.0 | M8  | 0 |
| 80      | Ø165 | Ø130 | Ø200 | 3.5 | Ø12 | 0 | Ø130 | Ø110 | Ø160 | 3.5 | Ø10 | 0 | Ø80  | Ø100 | Ø120 | 3.0 | M6  | 0 | Ø110 | Ø130 | Ø160 | 3.5 | M8  | 0 |
| 90S     | Ø165 | Ø130 | Ø200 | 3.5 | Ø12 | 0 | Ø130 | Ø110 | Ø160 | 3.5 | Ø10 | 0 | Ø95  | Ø115 | Ø140 | 3.0 | M8  | 0 | Ø110 | Ø130 | Ø160 | 3.5 | M8  | 0 |
| 90L1/L2 | Ø165 | Ø130 | Ø200 | 3.5 | Ø12 | 0 | Ø130 | Ø110 | Ø160 | 3.5 | Ø10 | 0 | Ø95  | Ø115 | Ø140 | 3.0 | M8  | 0 | Ø110 | Ø130 | Ø160 | 3.5 | M8  | 0 |
| 100**   | Ø215 | Ø180 | Ø250 | 4.0 | Ø15 | 0 | Ø165 | Ø130 | Ø200 | 4.0 | Ø12 | 0 | Ø110 | Ø130 | Ø160 | 3.5 | M8  | 0 | Ø130 | Ø165 | Ø200 | 3.5 | M10 | 0 |
| 112     | Ø215 | Ø180 | Ø250 | 4.0 | Ø15 | 0 | Ø165 | Ø130 | Ø200 | 4.0 | Ø12 | 0 | Ø110 | Ø130 | Ø160 | 3.5 | M8  | 0 | Ø130 | Ø165 | Ø200 | 3.5 | M10 | 0 |
| 132S    | Ø265 | Ø230 | Ø300 | 4.0 | Ø15 | 0 | Ø215 | Ø180 | Ø250 | 4.0 | Ø15 | 0 | Ø130 | Ø165 | Ø200 | 4.0 | M10 | 0 | Ø180 | Ø215 | Ø250 | 4.0 | M12 | 0 |
| 132M/L  | Ø265 | Ø230 | Ø300 | 4.0 | Ø15 | 0 | Ø215 | Ø180 | Ø250 | 4.0 | Ø15 | 0 | Ø130 | Ø165 | Ø200 | 4.0 | M10 | 0 | Ø180 | Ø215 | Ø250 | 4.0 | M12 | 0 |
| 160M/L  | Ø300 | Ø250 | Ø350 | 5.0 | Ø19 | 0 |      |      |      |     |     |   | Ø180 | Ø215 | Ø250 | 4.0 | M12 | 0 |      |      |      |     |     |   |
| 180M/L  | Ø300 | Ø250 | Ø350 | 5.0 | Ø19 | 0 |      |      |      |     |     |   |      |      |      |     |     |   |      |      |      |     |     |   |
| 200L    | Ø350 | Ø300 | Ø400 | 5.0 | Ø19 | 0 |      |      |      |     |     |   |      |      |      |     |     |   |      |      |      |     |     |   |

\* questi dati sono riferiti alla serie MSBCCL senza leva di sblocco

\*\* i dati "0" sono riferiti alla potenza maggiorata sulla stessa grandezza

# MOTORI ELETTRICI EFFICIENZA IE1

## DATI TECNICI (50HZ)

| Model   | Power (KW) | Current (A) |      |      | Current (A) |      |      | Current (A) |      |      | Speed (r/min) | Eff. (%) | Power Factor (CosΦ) | T <sub>st</sub> /T <sub>n</sub> (Times) | T <sub>max</sub> /T <sub>n</sub> (Times) | T <sub>min</sub> /T <sub>n</sub> (Times) | I <sub>st</sub> /I <sub>n</sub> (Times) | Noise dB(A) | W.T (Kg) |
|---------|------------|-------------|------|------|-------------|------|------|-------------|------|------|---------------|----------|---------------------|-----------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------|----------|
|         |            | 220V        | 380V | 660V | 230V        | 400V | 690V | 240V        | 415V | 720V |               |          |                     |                                         |                                          |                                          |                                         |             |          |
| 561-2   | 0.09       | 0.66        | 0.38 | 0.22 | 0.62        | 0.36 | 0.21 | 0.60        | 0.35 | 0.20 | 2710          | 53       | 0.72                | 2.2                                     | 2.3                                      | 2                                        | 4                                       | 58          | 2.60     |
| 562-2   | 0.12       | 0.73        | 0.42 | 0.24 | 0.69        | 0.40 | 0.23 | 0.67        | 0.39 | 0.22 | 2700          | 61       | 0.72                | 2.2                                     | 2.3                                      | 2                                        | 4                                       | 58          | 3.00     |
| 563-2   | 0.18       | 1.00        | 0.58 | 0.33 | 0.95        | 0.55 | 0.32 | 0.92        | 0.53 | 0.31 | 2710          | 63       | 0.75                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 61          | 4.00     |
| 631-2   | 0.18       | 1.00        | 0.58 | 0.33 | 0.95        | 0.55 | 0.32 | 0.92        | 0.53 | 0.31 | 2710          | 63       | 0.75                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 61          | 4.00     |
| 632-2   | 0.25       | 1.29        | 0.75 | 0.43 | 1.23        | 0.71 | 0.41 | 1.19        | 0.69 | 0.40 | 2710          | 65       | 0.78                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 61          | 4.20     |
| 633-2   | 0.37       | 1.92        | 1.11 | 0.64 | 1.82        | 1.05 | 0.61 | 1.76        | 1.02 | 0.59 | 2710          | 65       | 0.78                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 62          | 4.70     |
| 711-2   | 0.37       | 1.76        | 1.02 | 0.59 | 1.67        | 0.97 | 0.56 | 1.61        | 0.93 | 0.54 | 2730          | 70       | 0.79                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 64          | 5.20     |
| 712-2   | 0.55       | 2.57        | 1.49 | 0.86 | 2.45        | 1.42 | 0.82 | 2.36        | 1.36 | 0.79 | 2760          | 71       | 0.79                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 64          | 6.00     |
| 713-2   | 0.75       | 3.33        | 1.93 | 1.11 | 3.18        | 1.83 | 1.06 | 3.06        | 1.77 | 1.02 | 2730          | 72       | 0.82                | 2.2                                     | 2.4                                      | 1.5                                      | 6                                       | 65          | 7.00     |
| 801-2   | 0.75       | 3.21        | 1.86 | 1.07 | 3.06        | 1.77 | 1.02 | 2.94        | 1.70 | 0.98 | 2770          | 73       | 0.84                | 2.2                                     | 2.4                                      | 1.5                                      | 6                                       | 67          | 8.70     |
| 802-2   | 1.1        | 4.56        | 2.64 | 1.52 | 4.35        | 2.51 | 1.45 | 4.18        | 2.42 | 1.39 | 2770          | 76.2     | 0.83                | 2.2                                     | 2.4                                      | 1.5                                      | 6                                       | 67          | 10.00    |
| 803-2   | 1.5        | 6.04        | 3.50 | 2.01 | 5.87        | 3.32 | 1.92 | 5.54        | 3.20 | 1.85 | 2800          | 78.5     | 0.83                | 2.2                                     | 2.4                                      | 1.5                                      | 6                                       | 70          | 11.20    |
| 90S-2   | 1.5        | 5.97        | 3.46 | 1.99 | 5.76        | 3.28 | 1.90 | 5.47        | 3.16 | 1.82 | 2840          | 78.5     | 0.84                | 2.2                                     | 2.4                                      | 1.5                                      | 6                                       | 72          | 12.00    |
| 90L1-2  | 2.2        | 8.39        | 4.85 | 2.80 | 8.0         | 4.61 | 2.66 | 7.69        | 4.45 | 2.56 | 2840          | 81       | 0.85                | 2.2                                     | 2.4                                      | 1.4                                      | 6                                       | 72          | 14.50    |
| 90L2-2  | 3          | 11.1        | 6.42 | 3.69 | 10.6        | 6.10 | 3.52 | 10.2        | 5.88 | 3.39 | 2840          | 82.6     | 0.86                | 2.2                                     | 2.4                                      | 1.4                                      | 6                                       | 74          | 15.00    |
| 100L1-2 | 3          | 11.0        | 6.34 | 3.65 | 10.4        | 6.03 | 3.48 | 10.0        | 5.81 | 3.35 | 2840          | 82.6     | 0.87                | 2.2                                     | 2.3                                      | 1.4                                      | 7                                       | 76          | 20.00    |
| 100L2-2 | 4          | 14.3        | 8.30 | 4.78 | 13.7        | 7.88 | 4.55 | 13.1        | 7.60 | 4.38 | 2850          | 84.2     | 0.87                | 2.2                                     | 2.3                                      | 1.4                                      | 7.5                                     | 77          | 24.00    |
| 112M-2  | 4          | 14.3        | 8.30 | 4.78 | 13.7        | 7.88 | 4.55 | 13.1        | 7.60 | 4.38 | 2880          | 84.2     | 0.87                | 2.2                                     | 2.3                                      | 1.4                                      | 7.5                                     | 77          | 26.00    |
| 112L-2  | 5.5        | 19.1        | 11.1 | 6.38 | 18.2        | 10.5 | 6.08 | 17.5        | 10.1 | 5.85 | 2880          | 85.7     | 0.88                | 2.2                                     | 2.3                                      | 1.2                                      | 7.5                                     | 78          | 29.30    |
| 132S1-2 | 5.5        | 19.1        | 11.1 | 6.38 | 18.2        | 10.5 | 6.08 | 17.5        | 10.1 | 5.85 | 2900          | 85.7     | 0.88                | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 80          | 38.40    |
| 132S2-2 | 7.5        | 25.7        | 14.9 | 8.57 | 24.5        | 14.1 | 8.16 | 23.6        | 13.6 | 7.86 | 2920          | 87       | 0.88                | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 80          | 41.30    |
| 132M1-2 | 9.2        | 30.8        | 17.8 | 10.3 | 29.9        | 17.3 | 9.96 | 28.3        | 16.3 | 9.42 | 2930          | 88       | 0.89                | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 81          | 48.20    |
| 132M2-2 | 11         | 36.3        | 21.0 | 12.1 | 34.6        | 20.0 | 11.5 | 33.3        | 19.2 | 11.1 | 2930          | 88.4     | 0.9                 | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 83          | 52.50    |
| 160M1-2 | 11         | 36.3        | 21.0 | 12.1 | 34.6        | 20.0 | 11.5 | 33.3        | 19.2 | 11.1 | 2940          | 88.4     | 0.9                 | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 86          | 76.00    |
| 160M2-2 | 15         | 48.4        | 28.0 | 16.1 | 46.1        | 26.6 | 15.4 | 44.4        | 25.7 | 14.8 | 2940          | 89.4     | 0.91                | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 86          | 77.50    |
| 160L-2  | 18.5       | 59.3        | 34.3 | 19.8 | 56.5        | 32.6 | 18.8 | 54.3        | 31.4 | 18.1 | 2940          | 90       | 0.91                | 2                                       | 2.2                                      | 1.1                                      | 7.5                                     | 86          | 92.00    |
| 180M-2  | 22         | 71.3        | 41.3 | 23.8 | 68.2        | 39.2 | 22.6 | 65.3        | 37.8 | 21.8 | 2950          | 90       | 0.9                 | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 91          | 121.0    |
| 200L1-2 | 30         | 96.0        | 55.6 | 32.1 | 91.8        | 52.8 | 30.5 | 88.0        | 50.9 | 29.4 | 2950          | 91.2     | 0.9                 | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 94          | 144.0    |
| 200L2-2 | 37         | 117         | 67.9 | 39.2 | 112         | 64.5 | 37.2 | 108         | 62.2 | 35.9 | 2940          | 92       | 0.9                 | 2                                       | 2.2                                      | 1.2                                      | 7.5                                     | 94          | 151.0    |
| 561-4   | 0.06       | 0.64        | 0.37 | 0.21 | 0.61        | 0.35 | 0.20 | 0.58        | 0.34 | 0.19 | 1360          | 50       | 0.56                | 2.3                                     | 2.4                                      | 2                                        | 4                                       | 50          | 2.90     |
| 562-4   | 0.09       | 0.82        | 0.47 | 0.27 | 0.78        | 0.45 | 0.26 | 0.75        | 0.43 | 0.25 | 1360          | 52       | 0.59                | 2.3                                     | 2.4                                      | 2                                        | 4                                       | 50          | 3.20     |
| 631-4   | 0.12       | 1.00        | 0.58 | 0.33 | 0.95        | 0.55 | 0.32 | 0.92        | 0.53 | 0.31 | 1360          | 52       | 0.64                | 2.2                                     | 2.4                                      | 2                                        | 4                                       | 52          | 3.70     |
| 632-4   | 0.18       | 1.28        | 0.74 | 0.43 | 1.21        | 0.70 | 0.40 | 1.17        | 0.67 | 0.39 | 1310          | 57       | 0.65                | 2.2                                     | 2.4                                      | 2                                        | 4                                       | 52          | 4.20     |
| 633-4   | 0.25       | 1.66        | 0.96 | 0.55 | 1.58        | 0.91 | 0.53 | 1.52        | 0.88 | 0.51 | 1340          | 60       | 0.66                | 2.2                                     | 2.2                                      | 2                                        | 4                                       | 54          | 5.00     |
| 711-4   | 0.25       | 1.52        | 0.88 | 0.51 | 1.45        | 0.84 | 0.48 | 1.39        | 0.81 | 0.46 | 1350          | 60       | 0.72                | 2.2                                     | 2.4                                      | 1.7                                      | 6                                       | 55          | 5.00     |
| 712-4   | 0.37       | 2.02        | 1.17 | 0.67 | 1.92        | 1.11 | 0.64 | 1.85        | 1.07 | 0.62 | 1370          | 65       | 0.74                | 2.2                                     | 2.4                                      | 1.7                                      | 6                                       | 55          | 5.80     |
| 713-4   | 0.55       | 2.92        | 1.69 | 0.97 | 2.78        | 1.60 | 0.93 | 2.67        | 1.55 | 0.89 | 1380          | 66       | 0.75                | 2.2                                     | 2.4                                      | 1.7                                      | 6                                       | 57          | 6.50     |
| 801-4   | 0.55       | 2.87        | 1.66 | 0.96 | 2.74        | 1.58 | 0.91 | 2.63        | 1.52 | 0.88 | 1370          | 67       | 0.75                | 2.2                                     | 2.4                                      | 1.7                                      | 6                                       | 58          | 8.10     |
| 802-4   | 0.75       | 3.50        | 2.03 | 1.17 | 3.34        | 1.93 | 1.11 | 3.21        | 1.86 | 1.07 | 1380          | 72       | 0.78                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 58          | 9.10     |
| 803-4   | 1.1        | 4.86        | 2.81 | 1.62 | 4.63        | 2.67 | 1.54 | 4.45        | 2.57 | 1.48 | 1390          | 76.2     | 0.78                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 60          | 11.00    |
| 90S-4   | 1.1        | 4.80        | 2.78 | 1.60 | 4.57        | 2.64 | 1.52 | 4.40        | 2.54 | 1.47 | 1400          | 76.2     | 0.79                | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 61          | 11.70    |
| 90L1-4  | 1.5        | 6.27        | 3.63 | 2.09 | 5.97        | 3.45 | 1.99 | 5.75        | 3.32 | 1.92 | 1400          | 78.5     | 0.8                 | 2.2                                     | 2.4                                      | 1.6                                      | 6                                       | 61          | 14.40    |
| 90L2-4  | 2.2        | 8.91        | 5.16 | 2.97 | 8.45        | 4.90 | 2.83 | 8.17        | 4.72 | 2.72 | 1400          | 81       | 0.8                 | 2.2                                     | 2.4                                      | 1.5                                      | 7                                       | 63          | 17.60    |
| 100L1-4 | 2.2        | 8.80        | 5.09 | 2.93 | 8.38        | 4.84 | 2.79 | 8.07        | 4.66 | 2.69 | 1420          | 81       | 0.81                | 2.2                                     | 2.3                                      | 1.5                                      | 7                                       | 64          | 19.20    |
| 100L2-4 | 3          | 11.8        | 6.81 | 3.92 | 11.2        | 6.47 | 3.74 | 10.8        | 6.24 | 3.60 | 1420          | 82.6     | 0.81                | 2.2                                     | 2.3                                      | 1.5                                      | 7                                       | 64          | 22.50    |
| 100L3-4 | 4          | 15.2        | 8.80 | 5.07 | 14.2        | 8.36 | 4.83 | 13.9        | 8.06 | 4.65 | 1430          | 84.2     | 0.82                | 2.2                                     | 2.3                                      | 1.5                                      | 7                                       | 65          | 27.30    |
| 112M-4  | 4          | 15.0        | 8.70 | 5.01 | 14.3        | 8.26 | 4.77 | 13.8        | 7.96 | 4.59 | 1430          | 84.2     | 0.83                | 2.2                                     | 2.2                                      | 1.5                                      | 7                                       | 65          | 29.00    |
| 112L-4  | 5.5        | 20.3        | 11.7 | 6.76 | 19.3        | 11.2 | 6.44 | 18.6        | 10.8 | 6.20 | 1440          | 85.7     | 0.83                | 2.2                                     | 2.2                                      | 1.4                                      | 7                                       | 68          | 35.70    |
| 132S-4  | 5.5        | 20.1        | 11.6 | 6.68 | 19.1        | 11.0 | 6.37 | 18.4        | 10.6 | 6.13 | 1450          | 85.7     | 0.84                | 2.2                                     | 2.2                                      | 1.4                                      | 7                                       | 71          | 39.00    |
| 132M-4  | 7.5        | 26.6        | 15.4 | 8.87 | 25.4        | 14.6 | 8.45 | 24.4        | 14.1 | 8.13 | 1450          | 87       | 0.85                | 2.2                                     | 2.2                                      | 1.4                                      | 7                                       | 71          | 48.60    |
| 132L1-4 | 9.2        | 32.5        | 18.8 | 10.8 | 30.9        | 17.9 | 10.3 | 29.8        | 17.2 | 9.9  | 1460          | 87.5     | 0.85                | 2.2                                     | 2.2                                      | 1.4                                      | 7.5                                     | 74          | 56.50    |
| 132L2-4 | 11         | 38.0        | 22.0 | 12.7 | 36.2        | 20.9 | 12.1 | 34.8        | 20.1 | 11.6 | 1460          | 88.4     | 0.86                | 2.2                                     | 2.2                                      | 1.4                                      | 7.5                                     | 74          | 64.00    |
| 160M-4  | 11         | 37.5        | 21.7 | 12.5 | 35.8        | 20.6 | 11.9 | 34.4        | 19.9 | 11.5 | 1460          | 88.4     | 0.87                | 2.2                                     | 2.2                                      | 1.4                                      | 7                                       | 75          | 73.00    |
| 160L1-4 | 15         | 51.2        | 29.6 | 17.1 | 48.8        | 28.2 | 16.3 | 46.9        | 27.1 | 15.6 | 1460          | 88.4     | 0.87                | 2.2                                     | 2.2                                      | 1.4                                      | 7.5                                     | 75          | 88.50    |
| 160L2-4 | 18.5       | 63.1        | 36.5 | 21.0 | 60.1        | 34.7 | 20.0 | 57.9        | 33.5 | 19.3 | 1460          | 90.5     | 0.85                | 2.2                                     | 2.2                                      | 1.4                                      | 7.5                                     | 78          | 97.50    |
| 180M-4  | 18.5       | 62.4        | 36.1 | 20.8 | 59.7        | 34.3 | 19.8 | 57.2        | 33.1 | 19.1 | 1460          | 90.5     | 0.86                | 2.2                                     | 2.2                                      | 1.4                                      | 7.5                                     | 80          | 118.0    |
| 180L-4  | 22         | 73.8        | 42.7 | 24.7 | 70.6        | 40.6 | 23.4 | 67.7        | 39.1 | 22.6 | 1460          | 91       | 0.86                | 2.2                                     | 2.2                                      | 1.4                                      | 7.5                                     | 80          | 128.0    |
| 200L-4  | 30         | 99.5        | 57.6 | 33.2 | 95.1        | 54.7 | 31.6 | 91.2        | 52.7 | 30.4 | 1470          | 92       | 0.86                | 2.2                                     | 2.2                                      | 1.4                                      | 7.5                                     | 83          | 158.0    |

# MOTORI ELETTRICI EFFICIENZA IE1

## DATI TECNICI (50HZ)

| Model   | Power (KW) | Current (A) |      |      | Current (A) |      |      | Current (A) |      |      | Speed (r/min) | Eff. (%) | Power Factor (CosΦ) | T <sub>st</sub> /T <sub>n</sub> (Times) | T <sub>max</sub> /T <sub>n</sub> (Times) | T <sub>min</sub> /T <sub>n</sub> (Times) | I <sub>st</sub> /I <sub>n</sub> (Times) | Noise dB(A) | W.T (Kg) |
|---------|------------|-------------|------|------|-------------|------|------|-------------|------|------|---------------|----------|---------------------|-----------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------|----------|
|         |            | 220V        | 380V | 660V | 230V        | 400V | 690V | 240V        | 415V | 720V |               |          |                     |                                         |                                          |                                          |                                         |             |          |
| 631-6   | 0.09       | 0.92        | 0.53 | 0.31 | 0.88        | 0.51 | 0.29 | 0.85        | 0.49 | 0.28 | 840           | 42       | 0.61                | 2                                       | 2                                        | 1.5                                      | 3.5                                     | 50          | 4.20     |
| 632-6   | 0.12       | 1.13        | 0.65 | 0.38 | 1.08        | 0.62 | 0.36 | 1.03        | 0.60 | 0.34 | 850           | 45       | 0.62                | 2                                       | 2                                        | 1.5                                      | 3.5                                     | 50          | 4.50     |
| 711-6   | 0.18       | 1.28        | 0.74 | 0.43 | 1.22        | 0.70 | 0.41 | 1.17        | 0.68 | 0.39 | 880           | 56       | 0.66                | 1.6                                     | 1.7                                      | 1.5                                      | 4                                       | 52          | 5.60     |
| 712-6   | 0.25       | 1.59        | 0.92 | 0.53 | 1.51        | 0.87 | 0.50 | 1.46        | 0.84 | 0.49 | 900           | 59       | 0.7                 | 2.1                                     | 2.2                                      | 1.5                                      | 4                                       | 52          | 6.00     |
| 713-6   | 0.37       | 2.31        | 1.34 | 0.77 | 2.2         | 1.27 | 0.73 | 2.11        | 1.22 | 0.70 | 890           | 61       | 0.69                | 2                                       | 2.1                                      | 1.5                                      | 4                                       | 54          | 6.80     |
| 801-6   | 0.37       | 2.24        | 1.30 | 0.75 | 2.13        | 1.23 | 0.71 | 2.05        | 1.19 | 0.68 | 900           | 62       | 0.7                 | 1.9                                     | 1.9                                      | 1.5                                      | 4                                       | 56          | 8.10     |
| 802-6   | 0.55       | 2.99        | 1.73 | 1.00 | 2.85        | 1.65 | 0.95 | 2.74        | 1.59 | 0.91 | 900           | 67       | 0.72                | 2                                       | 2.3                                      | 1.5                                      | 4                                       | 56          | 9.60     |
| 803-6   | 0.75       | 4.02        | 2.33 | 1.34 | 3.83        | 2.21 | 1.28 | 3.69        | 2.13 | 1.23 | 900           | 68       | 0.72                | 2                                       | 2.3                                      | 1.5                                      | 4                                       | 58          | 10.00    |
| 90S-6   | 0.75       | 3.96        | 2.29 | 1.32 | 3.77        | 2.18 | 1.26 | 3.63        | 2.10 | 1.21 | 920           | 69       | 0.72                | 2.2                                     | 2.2                                      | 1.5                                      | 5.5                                     | 59          | 11.30    |
| 90L1-6  | 1.1        | 5.49        | 3.18 | 1.83 | 5.23        | 3.02 | 1.74 | 5.03        | 2.91 | 1.68 | 925           | 72       | 0.73                | 2.2                                     | 2.2                                      | 1.3                                      | 5.5                                     | 59          | 14.40    |
| 90L2-6  | 1.5        | 7.09        | 4.11 | 2.36 | 6.76        | 3.90 | 2.25 | 6.50        | 3.76 | 2.17 | 925           | 74       | 0.75                | 2.2                                     | 2.2                                      | 1.3                                      | 5.5                                     | 60          | 15.50    |
| 100L1-6 | 1.5        | 7.00        | 4.05 | 2.33 | 6.67        | 3.85 | 2.22 | 6.42        | 3.71 | 2.14 | 945           | 74       | 0.76                | 2.2                                     | 2.2                                      | 1.3                                      | 6                                       | 61          | 18.80    |
| 100L2-6 | 2.2        | 9.87        | 5.71 | 3.29 | 9.40        | 5.43 | 3.13 | 9.04        | 5.23 | 3.01 | 950           | 77       | 0.76                | 2.2                                     | 2.2                                      | 1.3                                      | 6                                       | 63          | 19.80    |
| 112M-6  | 2.2        | 9.7         | 5.64 | 3.25 | 9.28        | 5.36 | 3.09 | 8.93        | 5.16 | 2.98 | 955           | 78       | 0.76                | 2.2                                     | 2.2                                      | 1.3                                      | 6                                       | 64          | 25.00    |
| 112L-6  | 3          | 12.9        | 7.49 | 4.31 | 12.3        | 7.12 | 4.11 | 11.9        | 6.86 | 3.95 | 950           | 79       | 0.77                | 2.2                                     | 2.2                                      | 1.3                                      | 6                                       | 64          | 30.00    |
| 132S-6  | 3          | 13.1        | 7.59 | 4.37 | 12.5        | 7.21 | 4.16 | 12.0        | 6.95 | 4.01 | 960           | 79       | 0.76                | 2                                       | 2                                        | 1.3                                      | 6.5                                     | 64          | 35.00    |
| 132M1-6 | 4          | 17.2        | 9.93 | 5.72 | 16.4        | 9.44 | 5.45 | 15.7        | 9.10 | 5.24 | 960           | 80.5     | 0.76                | 2                                       | 2                                        | 1.3                                      | 6.5                                     | 68          | 47.60    |
| 132M2-6 | 5.5        | 22.6        | 13.1 | 7.53 | 21.5        | 12.4 | 7.17 | 20.7        | 12.0 | 6.9  | 960           | 83       | 0.77                | 2                                       | 2                                        | 1.3                                      | 6.5                                     | 68          | 50.70    |
| 132L-6  | 7.5        | 30.1        | 17.4 | 10.0 | 28.7        | 16.5 | 9.55 | 27.6        | 15.9 | 9.2  | 960           | 85       | 0.77                | 2                                       | 2                                        | 1.3                                      | 6.5                                     | 68          | 47.60    |
| 160M-6  | 7.5        | 28.6        | 16.6 | 9.5  | 27.3        | 15.7 | 9.08 | 26.2        | 15.2 | 8.7  | 960           | 86       | 0.8                 | 2                                       | 2.2                                      | 1.3                                      | 6.5                                     | 68          | 70.0     |
| 160L-6  | 11         | 41.8        | 24.2 | 13.9 | 39.8        | 23.0 | 13.3 | 38.3        | 22.1 | 12.8 | 960           | 87.5     | 0.79                | 2                                       | 2.2                                      | 1.2                                      | 6.5                                     | 73          | 87.0     |
| 180L-6  | 15         | 54.6        | 31.6 | 18.2 | 52.2        | 30.0 | 17.3 | 50.1        | 28.9 | 16.7 | 970           | 89       | 0.81                | 2                                       | 2.2                                      | 1.3                                      | 6.5                                     | 79          | 122.0    |
| 200L1-6 | 18.5       | 66.6        | 38.6 | 22.2 | 63.7        | 36.6 | 21.1 | 61.0        | 35.3 | 20.3 | 975           | 90       | 0.81                | 2                                       | 2.2                                      | 1.3                                      | 6.5                                     | 82          | 136.0    |
| 200L2-6 | 22         | 77.3        | 44.7 | 25.8 | 73.9        | 42.5 | 24.5 | 70.8        | 41.0 | 23.6 | 975           | 90       | 0.83                | 2                                       | 2.2                                      | 1.3                                      | 6.5                                     | 82          | 152.0    |
| 711-8   | 0.09       | 0.88        | 0.51 | 0.29 | 0.84        | 0.48 | 0.28 | 0.81        | 0.47 | 0.27 | 680           | 48       | 0.56                | 1.5                                     | 1.7                                      | 1.3                                      | 3                                       | 50          | 5.60     |
| 712-8   | 0.12       | 1.05        | 0.61 | 0.35 | 1.00        | 0.58 | 0.33 | 0.96        | 0.55 | 0.32 | 690           | 51       | 0.59                | 1.6                                     | 1.7                                      | 1.3                                      | 2.7                                     | 50          | 6.00     |
| 801-8   | 0.18       | 1.52        | 0.88 | 0.51 | 1.45        | 0.84 | 0.48 | 1.39        | 0.80 | 0.46 | 680           | 51       | 0.61                | 1.5                                     | 1.7                                      | 1.3                                      | 2.8                                     | 52          | 9.40     |
| 802-8   | 0.25       | 1.92        | 1.11 | 0.64 | 1.83        | 1.06 | 0.61 | 1.76        | 1.02 | 0.59 | 680           | 56       | 0.61                | 1.6                                     | 2                                        | 1.3                                      | 2.7                                     | 52          | 10.10    |
| 90S-8   | 0.37       | 2.45        | 1.42 | 0.82 | 2.33        | 1.35 | 0.78 | 2.24        | 1.30 | 0.75 | 680           | 63       | 0.63                | 1.6                                     | 1.8                                      | 1.3                                      | 2.8                                     | 56          | 12.50    |
| 90L-8   | 0.55       | 3.36        | 1.95 | 1.12 | 3.21        | 1.85 | 1.07 | 3.08        | 1.78 | 1.03 | 680           | 66       | 0.65                | 1.6                                     | 1.8                                      | 1.3                                      | 3                                       | 56          | 15.30    |
| 100L1-8 | 0.75       | 4.45        | 2.58 | 1.48 | 4.24        | 2.45 | 1.41 | 4.08        | 2.36 | 1.36 | 710           | 66       | 0.67                | 1.7                                     | 2.1                                      | 1.3                                      | 3.5                                     | 59          | 17.20    |
| 100L2-8 | 1.1        | 5.81        | 3.36 | 1.94 | 5.54        | 3.20 | 1.85 | 5.33        | 3.08 | 1.78 | 710           | 72       | 0.69                | 1.7                                     | 2.1                                      | 1.2                                      | 3.5                                     | 59          | 19.50    |
| 112M-8  | 1.5        | 7.82        | 4.53 | 2.61 | 7.45        | 4.30 | 2.48 | 7.17        | 4.15 | 2.39 | 710           | 74       | 0.68                | 1.8                                     | 2.1                                      | 1.2                                      | 4.2                                     | 61          | 25.50    |
| 132S-8  | 2.2        | 10.8        | 6.28 | 3.61 | 10.3        | 5.96 | 3.44 | 9.94        | 5.75 | 3.31 | 720           | 75       | 0.71                | 2                                       | 2                                        | 1.2                                      | 5.5                                     | 64          | 34.20    |
| 132M-8  | 3          | 14.0        | 8.11 | 4.67 | 13.3        | 7.70 | 4.45 | 12.8        | 7.43 | 4.28 | 720           | 77       | 0.73                | 2                                       | 2                                        | 1.2                                      | 5.5                                     | 64          | 40.00    |
| 160M1-8 | 4          | 18.0        | 10.4 | 5.99 | 17.1        | 9.89 | 5.71 | 16.5        | 9.53 | 5.49 | 730           | 80       | 0.73                | 1.9                                     | 2.1                                      | 1.2                                      | 6                                       | 68          | 59.00    |
| 160M2-8 | 5.5        | 23.4        | 13.5 | 7.79 | 22.3        | 12.9 | 7.42 | 21.4        | 12.4 | 7.14 | 720           | 83.5     | 0.74                | 2                                       | 2.2                                      | 1.2                                      | 6                                       | 68          | 69.00    |
| 160L-8  | 7.5        | 30.9        | 17.9 | 10.3 | 29.4        | 17.0 | 9.8  | 28.3        | 16.4 | 9.43 | 720           | 85       | 0.75                | 1.9                                     | 2.2                                      | 1.2                                      | 6                                       | 68          | 87.00    |
| 180L-8  | 11         | 45.2        | 26.2 | 15.1 | 43.6        | 25.1 | 14.5 | 41.5        | 24.0 | 13.8 | 715           | 87.4     | 0.73                | 1.9                                     | 2.2                                      | 1.2                                      | 6                                       | 78          | 125.0    |
| 200L-8  | 15         | 58.9        | 34.1 | 19.6 | 56.3        | 32.4 | 18.7 | 54.0        | 31.2 | 18.0 | 725           | 88.0     | 0.76                | 1.9                                     | 2.2                                      | 1.2                                      | 6                                       | 80          | 151.0    |

## MOTORI ELETTRICI EFFICIENZA IE2 DATI TECNICI (50HZ)

| Model   | Power (KW) | Eff. (%) | Current (A) | Power Factor (CosΦ) | Speed (r/min) | T <sub>max</sub> /T <sub>n</sub> (Times) | T <sub>st</sub> /T <sub>n</sub> (Times) | I <sub>st</sub> /I <sub>n</sub> (Times) |
|---------|------------|----------|-------------|---------------------|---------------|------------------------------------------|-----------------------------------------|-----------------------------------------|
| 801-2   | 0.75       | 77.4     | 1.75        | 0.80                | 2840          | 3.3                                      | 2.9                                     | 5.8                                     |
| 802-2   | 1.1        | 80       | 2.42        | 0.82                | 2850          | 3.6                                      | 3.5                                     | 6.8                                     |
| 90S-2   | 1.5        | 81.4     | 3.20        | 0.83                | 2850          | 3.6                                      | 3.5                                     | 6.9                                     |
| 90L-2   | 2.2        | 83.2     | 4.54        | 0.84                | 2860          | 4.1                                      | 4.1                                     | 7.9                                     |
| 100L-2  | 3          | 84.6     | 5.88        | 0.87                | 2880          | 3.4                                      | 3.4                                     | 7.8                                     |
| 112M-2  | 4          | 86       | 7.54        | 0.89                | 2890          | 3.3                                      | 2.7                                     | 7.5                                     |
| 132S1-2 | 5.5        | 87.2     | 10.2        | 0.89                | 2900          | 3                                        | 2.4                                     | 7.7                                     |
| 132S2-2 | 7.5        | 88.1     | 13.8        | 0.89                | 2910          | 3.2                                      | 2.6                                     | 8.4                                     |
| 160M1-2 | 11         | 89.4     | 19.9        | 0.89                | 2930          | 3.1                                      | 2.4                                     | 7.6                                     |
| 160M2-2 | 15         | 90.3     | 26.9        | 0.89                | 2930          | 3.2                                      | 2.6                                     | 8                                       |
| 160L-2  | 18.5       | 90.9     | 32.6        | 0.90                | 2940          | 3.5                                      | 3                                       | 9                                       |
| 180M-2  | 22         | 91.3     | 38.6        | 0.90                | 2950          | 3.5                                      | 2.6                                     | 8.5                                     |
| 200L1-2 | 30         | 92       | 52.3        | 0.90                | 2950          | 3.4                                      | 2.4                                     | 8                                       |
| 200L2-2 | 37         | 92.5     | 64.1        | 0.90                | 2950          | 3.5                                      | 2.5                                     | 8.5                                     |
| 802-4   | 0.75       | 79.6     | 1.79        | 0.76                | 1410          | 3                                        | 2.8                                     | 5.3                                     |
| 90S-4   | 1.1        | 81.4     | 2.50        | 0.78                | 1420          | 2.6                                      | 3.8                                     | 6.7                                     |
| 90L-4   | 1.5        | 82.8     | 3.31        | 0.79                | 1420          | 2.7                                      | 4                                       | 7.2                                     |
| 100L1-4 | 2.2        | 84.3     | 4.83        | 0.78                | 1440          | 3.6                                      | 3.6                                     | 7.4                                     |
| 100L2-4 | 3          | 85.5     | 6.33        | 0.80                | 1440          | 3.5                                      | 3.8                                     | 7.8                                     |
| 112M-4  | 4          | 86.6     | 8.23        | 0.81                | 1440          | 2.9                                      | 3.1                                     | 7.1                                     |
| 132S-4  | 5.5        | 87.9     | 10.9        | 0.83                | 1450          | 2.7                                      | 2.6                                     | 7.4                                     |
| 132M-4  | 7.5        | 88.7     | 14.5        | 0.84                | 1450          | 2.7                                      | 2.8                                     | 7.7                                     |
| 160M-4  | 11         | 89.8     | 21.6        | 0.82                | 1450          | 3.1                                      | 2.7                                     | 7.7                                     |
| 160L-4  | 15         | 90.6     | 28.4        | 0.84                | 1450          | 2.6                                      | 2.4                                     | 7.3                                     |
| 180M-4  | 18.5       | 91.4     | 34.4        | 0.85                | 1460          | 3.2                                      | 2.2                                     | 7.4                                     |
| 180L-4  | 22         | 91.7     | 40.3        | 0.86                | 1460          | 3.2                                      | 2.3                                     | 7.5                                     |
| 200L-4  | 30         | 92.3     | 55.2        | 0.86                | 1470          | 3.1                                      | 2.8                                     | 7.6                                     |
| 90S-6   | 0.75       | 76.0     | 2.01        | 0.71                | 925           | 3.1                                      | 3.1                                     | 4.7                                     |
| 90L-6   | 1.1        | 78.1     | 2.82        | 0.72                | 930           | 3.2                                      | 3.2                                     | 5                                       |
| 100L-6  | 1.5        | 80.0     | 3.71        | 0.73                | 940           | 2.9                                      | 3.1                                     | 5.9                                     |
| 112M-6  | 2.2        | 81.8     | 5.17        | 0.75                | 945           | 2.8                                      | 2.6                                     | 5.5                                     |
| 132S-6  | 3          | 83.3     | 6.84        | 0.76                | 960           | 2.7                                      | 2.2                                     | 5.7                                     |
| 132M1-6 | 4          | 84.6     | 8.86        | 0.77                | 960           | 2.7                                      | 2.4                                     | 6.2                                     |
| 132M2-6 | 5.5        | 86       | 12.0        | 0.77                | 960           | 2.7                                      | 2.6                                     | 6.7                                     |
| 160M-6  | 7.5        | 87.5     | 16.1        | 0.77                | 970           | 2.8                                      | 2                                       | 5.6                                     |
| 160L-6  | 11         | 89.0     | 22.9        | 0.78                | 970           | 2.8                                      | 2                                       | 5.8                                     |
| 180L-6  | 15         | 90.1     | 28.9        | 0.83                | 975           | 2.9                                      | 1.9                                     | 7.5                                     |
| 200L1-6 | 18.5       | 90.4     | 35.6        | 0.83                | 975           | 2.7                                      | 2.2                                     | 6.3                                     |
| 200L2-6 | 22         | 90.9     | 41.6        | 0.84                | 975           | 2.6                                      | 2.3                                     | 6.2                                     |

Le caratteristiche tecniche, le dimensioni ed ogni altro dato di questo catalogo non sono impegnative. **Simo Top Group SpA** si riserva il diritto di cambiarle in qualsiasi momento e senza preavviso

[www.simotoptopgroup.com](http://www.simotoptopgroup.com)



SIMOTOP GROUP SPA  
Via Ca' Bianca 320  
40024 Castel San Pietro (BO) - Italy  
Tel. +39 051 6951975  
Fax +39 051 941634  
[info@simotopgroup.com](mailto:info@simotopgroup.com)