



**SIMOTICS GP - 100 L - IM B14 - 6p**

|                  |                 |           |
|------------------|-----------------|-----------|
| Client order no. | Item-No.        | Offer no. |
| Order no.        | Consignment no. | Project   |

|         |
|---------|
| Remarks |
|---------|

## Safe Area

| U                                | $\Delta / Y$ | f    | P        | P    | I    | n       | M    | $\eta^{3)}$ |      |              | $\cos\phi^{3)}$ |                        |      | $I_A/I_N$ | $M_A/M_N$ | $M_K/M_N$ | IE-CL |
|----------------------------------|--------------|------|----------|------|------|---------|------|-------------|------|--------------|-----------------|------------------------|------|-----------|-----------|-----------|-------|
| [V]                              |              | [Hz] | [kW]     | [hp] | [A]  | [1/min] | [Nm] | 4/4         | 3/4  | 2/4          | 4/4             | 3/4                    | 2/4  | $I_A/I_N$ | $T_I/T_N$ | $T_B/T_N$ |       |
| DOL duty (S1) - 155(F) to 130(B) |              |      |          |      |      |         |      |             |      |              |                 |                        |      |           |           |           |       |
| 230                              | $\Delta$     | 50   | 1.50     | -/-  | 6.30 | 970     | 14.8 | 82.5        | 83.1 | 81.5         | 0.73            | 0.65                   | 0.52 | 5.2       | 1.9       | 2.8       | IE3   |
| 400                              | Y            | 50   | 1.50     | -/-  | 3.60 | 970     | 14.8 | 82.5        | 83.1 | 81.5         | 0.73            | 0.65                   | 0.52 | 5.2       | 1.9       | 2.8       | IE3   |
|                                  |              |      |          |      |      |         |      |             |      |              |                 |                        |      |           |           |           |       |
|                                  |              |      |          |      |      |         |      |             |      |              |                 |                        |      |           |           |           |       |
| IM B14 / IM 3601                 |              |      | FS 100 L |      |      |         | IP55 | UKCA        |      | IEC/EN 60034 |                 | IEC, DIN, ISO, VDE, EN |      |           |           |           |       |

Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 26.6 s | 34.7 s

|                                                                                        |                                |                                |                                 |                                         |
|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                   | 59 / 71 dB(A) <sup>2) 3)</sup> | 62 / 74 dB(A) <sup>2) 3)</sup> | Vibration severity grade        | A                                       |
| Moment of inertia                                                                      | 0.0110 kg m²                   |                                | Thermal class                   | F                                       |
| Bearing DE   NDE                                                                       | 6206 2Z C3                     | 6206 2Z C3                     | Duty type                       | S1                                      |
| <b>bearing lifetime</b>                                                                |                                |                                | Direction of rotation           | bidirectional                           |
| L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation<br>50 60Hz <sup>1)</sup> | 40000 h                        | 32000 h                        | Frame material                  | aluminum                                |
| Regreasing device                                                                      | Without                        |                                | Net weight of the motor (IM B3) | 25 kg                                   |
| Grease nipple                                                                          | -/-                            |                                | Coating (paint finish)          | Standard paint finish C2                |
| Type of bearing                                                                        | Preloaded bearing DE           |                                | Color, paint shade              | RAL7030                                 |
| Condensate drainage holes                                                              | Without                        |                                | Motor protection                | (A) without (Standard)                  |
| External earthing terminal                                                             | Without                        |                                | Method of cooling               | IC411 - self ventilated, surface cooled |

|                          |           |                                |               |
|--------------------------|-----------|--------------------------------|---------------|
| Terminal box position    | top       | Max. cross-sectional area      | 4 mm²         |
| Material of terminal box | Aluminium | Cable diameter from ... to ... | 11 mm - 21 mm |
| Type of terminal box     | TB1 F00   | Cable entry                    | 2xM32x1,5     |
| Contact screw thread     | M4        | Cable gland                    | 2 plugs       |

Notes:

$I_A/I_N$  = locked rotor current / current nominal  
 $M_A/M_N$  = locked rotor torque / torque nominal  
 $M_K/M_N$  = break down torque / nominal torque

1) L10mh according to DIN ISO 281 10/2010  
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

|                                                                                    |                     |                 |             |                                                                                                              |               |                                                                                       |      |
|------------------------------------------------------------------------------------|---------------------|-----------------|-------------|--------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|------|
| responsible dep.                                                                   | technical reference | created by      | approved by | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |               | <a href="#">Link documents</a>                                                        |      |
| DI MC LVM                                                                          |                     | DT Configurator |             |                                                                                                              |               |  |      |
|  | document type       |                 |             | document status                                                                                              |               |  |      |
|                                                                                    | datasheet           |                 |             | released                                                                                                     |               |                                                                                       |      |
|                                                                                    | title               |                 |             | document number                                                                                              |               |                                                                                       |      |
|                                                                                    | 1LE1003-1AC42-2KA4  |                 |             |                                                                                                              |               |                                                                                       |      |
| © Siemens AG 2023                                                                  |                     |                 |             | rev.                                                                                                         | creation date | language                                                                              | Page |
|                                                                                    |                     |                 |             | 943                                                                                                          | 2023-06-26    | en                                                                                    | 1/1  |