

**SIMOTICS GP - 71 M - IM B14 - 4p**

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

Remarks

## Safe Area

| U                | $\Delta / Y$ | f    | P       | P    | I    | n       | M    | $\eta^{3)}$ |      |              | $\cos\varphi^{3)}$ |                        |      | $I_A/I_N$ | $M_A/M_N$ | $M_K/M_N$ | IE-CL |
|------------------|--------------|------|---------|------|------|---------|------|-------------|------|--------------|--------------------|------------------------|------|-----------|-----------|-----------|-------|
| [V]              |              | [Hz] | [kW]    | [hp] | [A]  | [1/min] | [Nm] | 4/4         | 3/4  | 2/4          | 4/4                | 3/4                    | 2/4  | $I_A/I_N$ | $T_A/T_N$ | $T_B/T_N$ |       |
| 400              | $\Delta$     | 50   | 0.37    | -/-  | 1.08 | 1350    | 2.6  | 66.0        | 67.7 | 65.0         | 0.75               | 0.66                   | 0.52 | 3.2       | 2.0       | 2.0       | IE1   |
| 690              | Y            | 50   | 0.37    | -/-  | 0.63 | 1350    | 2.6  | 66.0        | 67.7 | 65.0         | 0.75               | 0.66                   | 0.52 | 3.2       | 2.0       | 2.0       | IE1   |
| 460              | $\Delta$     | 60   | 0.43    | -/-  | 1.03 | 1650    | 2.5  | 70.0        | 71.3 | 68.9         | 0.75               | 0.66                   | 0.53 | 3.6       | 2.1       | 2.1       | IE1   |
|                  |              |      |         |      |      |         |      |             |      |              |                    |                        |      |           |           |           |       |
| IM B14 / IM 3601 |              |      | FS 71 M |      | kg   |         | IP55 |             |      | IEC/EN 60034 |                    | IEC, DIN, ISO, VDE, EN |      |           |           |           |       |

Locked rotor time (hot / cold) : 27.8 s | 43.3 s

|                                                                                     |                                 |                                 |                            |                                         |
|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------|-----------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                | 54.0 / 65.0 dB(A) <sup>2)</sup> | 50.0 / 61.0 dB(A) <sup>2)</sup> | External earthing terminal | No                                      |
| Moment of inertia                                                                   | 0.0008 kg m <sup>2</sup>        |                                 | Vibration severity grade   | A                                       |
| Bearing DE   NDE                                                                    | 6202 2Z C3                      | 6202 2Z C3                      | Insulation                 | 155(F) to 130(B)                        |
| bearing lifetime                                                                    |                                 |                                 | Duty type                  | S1                                      |
| L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 50 60Hz <sup>1)</sup> | 40000 h                         | 32000 h                         | Direction of rotation      | bidirectional                           |
| Lubricants                                                                          | Unirex N3                       |                                 | Frame material             | aluminum                                |
| Regreasing device                                                                   | No                              |                                 | Coating (paint finish)     | Standard paint finish C2                |
| Grease nipple                                                                       | -/-                             |                                 | Color, paint shade         | RAL7030                                 |
| Type of bearing                                                                     | Preloaded bearing DE            |                                 | Motor protection           | (A) without (Standard)                  |
| Condensate drainage holes                                                           | -/-                             |                                 | Method of cooling          | IC411 - self ventilated, surface cooled |

|                          |           |                                |                  |
|--------------------------|-----------|--------------------------------|------------------|
| Terminal box position    | top       | Max. cross-sectional area      | 1.5 mm²          |
| Material of terminal box | Aluminium | Cable diameter from ... to ... | 9.0 mm - 17.0 mm |
| Type of terminal box     | TB1 B00   | Cable entry                    | 1xM25x1,5        |
| Contact screw thread     | M4        | Cable gland                    | 1 plug           |

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.<br>DI MC LVM                                                      | technical reference         | created by<br>DT Configurator | approved by | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |                                   |                |             |
|  | document type<br>datasheet  |                               |             | document status<br>released                                                                                  |                                   | customer       |             |
|                                                                                    | title<br>1LE1002-0CB33-4KA4 |                               |             | document number                                                                                              |                                   |                |             |
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