



**SIMOTICS GP - 71 M - IM B35 - 4p**

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

Remarks

## Safe Area

| U                                                    | Δ / Y | f<br>[Hz] | P<br>[kW] | P<br>[hp] | I<br>[A] | n<br>[1/min] | M<br>[Nm] | $\eta^{3)}$  |      |                                                  | $\cos\varphi^{3)}$ |      |      | $I_A/I_N$ | $M_A/M_N$ | $M_K/M_N$ | IE-CL |
|------------------------------------------------------|-------|-----------|-----------|-----------|----------|--------------|-----------|--------------|------|--------------------------------------------------|--------------------|------|------|-----------|-----------|-----------|-------|
| [V]                                                  |       |           |           |           |          |              |           | 4/4          | 3/4  | 2/4                                              | 4/4                | 3/4  | 2/4  | $I_I/I_N$ | $T_I/T_N$ | $T_B/T_N$ |       |
| <b>DOL duty (S1) - 155(F) to 130(B)</b>              |       |           |           |           |          |              |           |              |      |                                                  |                    |      |      |           |           |           |       |
| 230                                                  | Δ     | 50        | 0.37      | -/-       | 1.77     | 1380         | 2.5       | 72.7         | 73.2 | 69.9                                             | 0.72               | 0.63 | 0.49 | 4.0       | 2.5       | 2.5       | IE2   |
| 400                                                  | Y     | 50        | 0.37      | -/-       | 1.02     | 1380         | 2.5       | 72.7         | 73.2 | 69.9                                             | 0.72               | 0.63 | 0.49 | 4.0       | 2.5       | 2.5       | IE2   |
| 460                                                  | Y     | 60        | 0.43      | -/-       | 1.04     | 1680         | 2.5       | 72.0         | 72.4 | 69.4                                             | 0.72               | 0.63 | 0.50 | 4.5       | 2.6       | 2.7       | IE2   |
| 460                                                  | Y     | 60        | 0.37      | -/-       | 0.96     | 1705         | 2.0       | 72.0         | 71.2 | 66.9                                             | 0.67               | 0.58 | 0.45 | 5.0       | 3.0       | 3.2       | IE2   |
| IM B35 / IM 2001                                     |       |           | FS 71 M   |           |          | IP55         | UKCA      | IEC/EN 60034 |      | IEC, DIN, ISO, VDE, EN                           |                    |      |      |           |           |           |       |
| Environmental conditions : -20 °C - +40 °C / 1,000 m |       |           |           |           |          |              |           |              |      | Locked rotor time (hot / cold) : 38.6 s   49.4 s |                    |      |      |           |           |           |       |

|                                                                                        |                                |                                |                                 |                                         |
|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                   | 44 / 55 dB(A) <sup>2) 3)</sup> | 47 / 58 dB(A) <sup>2) 3)</sup> | Vibration severity grade        | A                                       |
| Moment of inertia                                                                      | 0.0009 kg m <sup>2</sup>       |                                | Thermal class                   | F                                       |
| Bearing DE   NDE                                                                       | 6202 2Z C3                     | 6202 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                                                                      | No                             |                                | Net weight of the motor (IM B3) | 7 kg                                    |
| Grease nipple                                                                          | -/-                            |                                | Coating (paint finish)          | Standard paint finish C2                |
| Type of bearing                                                                        | Preloaded bearing DE           |                                | Color, paint shade              | RAL7030                                 |
| Condensate drainage holes                                                              | No                             |                                | Motor protection                | (A) without (Standard)                  |
| External earthing terminal                                                             | No                             |                                | 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 mm - 17 mm |
| Type of terminal box     | TB1 B00   | Cable entry                    | 1xM25x1,5    |
| Contact screw thread     | M4        | Cable gland                    | 1 plug       |

Notes:

|                                                    |                                           |                                                                  |
|----------------------------------------------------|-------------------------------------------|------------------------------------------------------------------|
| $I_r/I_n$ = locked rotor current / current nominal | 1) L10mh according to DIN ISO 281 10/2010 | 3) Value is valid only for DOL operation with motor design IC411 |
| $M_r/M_n$ = locked rotor torque / torque nominal   | 2) at rated power / at full load          |                                                                  |
| $M_b/M_n$ = break down torque / nominal torque     |                                           |                                                                  |

|                               |                             |                               |             |                                                                                                              |                             |                                                                                       |             |
|-------------------------------|-----------------------------|-------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------|
| 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. |                             | <a href="#">Link documents</a>                                                        |             |
| SIEMENS                       | document type<br>datasheet  |                               |             | document status<br>released                                                                                  |                             |  |             |
|                               | title<br>1LE1001-0CB32-2JA4 |                               |             | document number                                                                                              |                             |                                                                                       |             |
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