



**SIMOTICS GP - 132 M - IM B3 - 4p**

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

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

## Safe Area

-/-

| U                                                   | Δ / Y | f    | P        | P    | I     | n       | M    | η <sup>3)</sup> |      |                                                  | cosφ <sup>3)</sup>     |      |      | I <sub>A</sub> /I <sub>N</sub> | M <sub>A</sub> /M <sub>N</sub> | M <sub>K</sub> /M <sub>N</sub> | IE-CL |
|-----------------------------------------------------|-------|------|----------|------|-------|---------|------|-----------------|------|--------------------------------------------------|------------------------|------|------|--------------------------------|--------------------------------|--------------------------------|-------|
| [V]                                                 |       | [Hz] | [kW]     | [hp] | [A]   | [1/min] | [Nm] | 4/4             | 3/4  | 2/4                                              | 4/4                    | 3/4  | 2/4  | I <sub>I</sub> /I <sub>N</sub> | T <sub>I</sub> /T <sub>N</sub> | T <sub>B</sub> /T <sub>N</sub> |       |
| DOL duty (S1) - 155(F) to 130(B)                    |       |      |          |      |       |         |      |                 |      |                                                  |                        |      |      |                                |                                |                                |       |
| 230                                                 | Δ     | 50   | 7.50     | -/-  | 26.00 | 1465    | 49.0 | 90.4            | 90.7 | 90.4                                             | 0.80                   | 0.74 | 0.63 | 8.5                            | 3.0                            | 3.8                            | IE3   |
| 400                                                 | Y     | 50   | 7.50     | -/-  | 15.00 | 1465    | 49.0 | 90.4            | 90.7 | 90.4                                             | 0.80                   | 0.74 | 0.63 | 8.5                            | 3.0                            | 3.8                            | IE3   |
| 460                                                 | Y     | 60   | 8.60     | -/-  | 14.90 | 1765    | 46.5 | 89.5            | 90.0 | 89.4                                             | 0.81                   | 0.76 | 0.65 | 8.8                            | 3.0                            | 3.8                            | IE2   |
| 460                                                 | Y     | 60   | 7.50     | -/-  | 13.00 | 1770    | 40.5 | 91.7            | 91.6 | 90.6                                             | 0.79                   | 0.73 | 0.61 | 9.8                            | 3.4                            | 4.3                            | IE3   |
| IM B3 / IM 1001                                     |       |      | FS 132 M |      |       | IP55    | UKCA | IEC/EN 60034    |      |                                                  | IEC, DIN, ISO, VDE, EN |      |      |                                |                                |                                |       |
| Environmental conditions : -20 °C - +40 °C / 1000 m |       |      |          |      |       |         |      |                 |      | Locked rotor time (hot / cold) : 14.8 s   20.1 s |                        |      |      |                                |                                |                                |       |

|                                                                                     |                                |                                |                                 |                                                  |
|-------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                | 72 / 80 dB(A) <sup>2) 3)</sup> | 68 / 76 dB(A) <sup>2) 3)</sup> | Vibration severity grade        | A                                                |
| Moment of inertia                                                                   | 0.0334 kg m²                   |                                | Thermal class                   | F                                                |
| Bearing DE   NDE                                                                    | 6308 2Z C3                     | 6208 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 50 60Hz <sup>1)</sup> | 40000 h                        | 32000 h                        | Frame material                  | aluminum                                         |
| Regreasing device                                                                   | Without                        |                                | Net weight of the motor (IM B3) | 61 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                | (F) 1 temperature sensor KTY84-130 (2 terminals) |
| External earthing terminal                                                          | Without                        |                                | Method of cooling               | IC411 - self ventilated, surface cooled          |

|                          |           |                                |                     |
|--------------------------|-----------|--------------------------------|---------------------|
| Terminal box position    | left      | Max. cross-sectional area      | 6 mm²               |
| Material of terminal box | Aluminium | Cable diameter from ... to ... | 11 mm - 21 mm       |
| Type of terminal box     | TB1 H00   | Cable entry                    | 2xM32x1,5-1xM16x1,5 |
| Contact screw thread     | M4        | Cable gland                    | 3 plugs             |

Notes:

|                                                          |                                                   |                                                                  |
|----------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------|
| $I_{lr}/I_{ln}$ = locked rotor current / current nominal | 1) $L_{10min}$ , according to DIN ISO 281 10/2010 | 3) Value is valid only for DOL operation with motor design IC411 |
| $M_{lr}/M_{ln}$ = locked rotor torque / torque nominal   | 2) at rated power / at full load                  |                                                                  |
| $M_b/M_{ln}$ = break down torque / nominal torque        |                                                   |                                                                  |

|                                                                                    |                                          |                   |             |                                                                                                              |                             |                                                                                       |             |
|------------------------------------------------------------------------------------|------------------------------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------|
| responsible dep.<br>IN LVM                                                         | technical reference                      | created by<br>SPC | approved by | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |                             | <a href="#">Link documents</a>                                                        |             |
|  | document type<br>datasheet               |                   |             | document status<br>released                                                                                  |                             |  |             |
|                                                                                    | title<br>1LE1003-1CB22-2AF6-Z<br>G41+L22 |                   |             | document number                                                                                              |                             |                                                                                       |             |
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## Special design

|     |                                             |     |                                                |
|-----|---------------------------------------------|-----|------------------------------------------------|
| G41 | Prepared to mount components with D12 shaft | L22 | Bearing design for increased cantilever forces |
|-----|---------------------------------------------|-----|------------------------------------------------|

Notes:

|                            |                               |                   |             |                                                                                                              |                             |                                                                                       |             |
|----------------------------|-------------------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------|
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| SIEMENS                    | document type<br>datasheet    |                   |             | document status<br>released                                                                                  |                             |  |             |
|                            | title<br>1LE1003-1CB22-2AF6-Z |                   |             | document number                                                                                              |                             |                                                                                       |             |
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