



**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> |       |
| 230             | Δ     | 50   | 7.50     | -/-   | 25.00 | 1465    | 49.0 | 90.4            | 91.1 | 90.8         | 0.84               | 0.80                             | 0.71 | 8.2                            | 2.6                            | 3.7                            | IE3   |
| 400             | Y     | 50   | 7.50     | -/-   | 14.30 | 1465    | 49.0 | 90.4            | 91.1 | 90.8         | 0.84               | 0.80                             | 0.71 | 8.2                            | 2.6                            | 3.7                            | IE3   |
| 460             | Y     | 60   | 8.60     | -/-   | 13.80 | 1765    | 46.5 | 91.7            | 92.0 | 91.7         | 0.85               | 0.83                             | 0.73 | 8.4                            | 2.3                            | 3.6                            | IE3   |
| 460             | Y     | 60   | 7.50     | 10.00 | 12.40 | 1770    | 40.5 | 91.7            | 91.8 | 91.0         | 0.83               | 0.81                             | 0.73 | 9.6                            | 2.7                            | 4.2                            | MG1   |
| IM B3 / IM 1001 |       |      | FS 132 M |       | 64 kg |         | IP55 | CC032A          |      | IEC/EN 60034 |                    | IEC, EN, UL, CSA, NEMA MG1-12-12 |      |                                | kVA Code: N                    |                                |       |

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 19.3 s | 25.2 s

## Mechanical data

|                                                                                     |                                 |                                 |                            |                                                  |
|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------|--------------------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                | 64.0 / 76.0 dB(A) <sup>2)</sup> | 68.0 / 80.0 dB(A) <sup>2)</sup> | External earthing terminal | No                                               |
| Moment of inertia                                                                   | 0.0460 kg m <sup>2</sup>        |                                 | Vibration severity grade   | A                                                |
| Bearing DE   NDE                                                                    | 6308 2Z C3                      | 6208 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           | (F) 1 temperature sensor KTY84-130 (2 terminals) |
| Condensate drainage holes                                                           | -/                              |                                 | Method of cooling          | IC411 - self ventilated, surface cooled          |

## Terminal box

|                          |           |                                |                     |
|--------------------------|-----------|--------------------------------|---------------------|
| Terminal box position    | left      | Max. cross-sectional area      | 6.0 mm²             |
| Material of terminal box | Aluminium | Cable diameter from ... to ... | 11.0 mm - 21.0 mm   |
| Type of terminal box     | TB1 H00   | Cable entry                    | 2xM32x1,5-1xM16x1,5 |
| Contact screw thread     | M4        | Cable gland                    | 3 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.<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>1LE1023-1CB22-2AF6-Z |                               |             |  | document number                                                                                              |            |                                   |                |
|                                                                                    | © Siemens AG 2021             |                               |             |  | G41+L22                                                                                                      | rev.<br>01 | creation date<br>2021-04-23 14:30 | language<br>en |

## Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3132B

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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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