



**SIMOTICS GP - 132 M - IM V5 - 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    | $\eta^{3)}$ |      |              | $\cos\varphi^{3)}$ |                        |      | $I_A/I_N$ | $M_A/M_N$ | $M_K/M_N$ | IE-CL |
|-----------------|--------------|------|----------|------|-------|---------|------|-------------|------|--------------|--------------------|------------------------|------|-----------|-----------|-----------|-------|
| [V]             |              | [Hz] | [kW]     | [hp] | [A]   | [1/min] | [Nm] | 4/4         | 3/4  | 2/4          | 4/4                | 3/4                    | 2/4  | $I_I/I_N$ | $T_I/T_N$ | $T_B/T_N$ |       |
| 220             | $\Delta$     | 60   | 6.30     | -/-  | 25.50 | 1155    | 52.0 | 85.0        | 85.7 | 84.8         | 0.76               | 0.69                   | 0.57 | 6.2       | 2.7       | 3.1       | IE1   |
| 380             | Y            | 60   | 6.30     | -/-  | 14.80 | 1155    | 52.0 | 85.0        | 85.7 | 84.8         | 0.76               | 0.69                   | 0.57 | 6.2       | 2.7       | 3.1       | IE1   |
|                 |              |      |          |      |       |         |      |             |      |              |                    |                        |      |           |           |           |       |
|                 |              |      |          |      |       |         |      |             |      |              |                    |                        |      |           |           |           |       |
| IM V5 / IM 1011 |              |      | FS 132 M |      | 48 kg |         | IP55 |             |      | IEC/EN 60034 |                    | IEC, DIN, ISO, VDE, EN |      |           |           |           |       |

Locked rotor time (hot / cold) : 11.4 s | 22.4 s

|                                                                                        |                                 |                                 |                            |                                         |
|----------------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------|-----------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                   | 63.0 / 75.0 dB(A) <sup>2)</sup> | 67.0 / 79.0 dB(A) <sup>2)</sup> | External earthing terminal | No                                      |
| Moment of inertia                                                                      | 0.0270 kg m <sup>2</sup>        |                                 | Vibration severity grade   | A                                       |
| Bearing DE   NDE                                                                       | 6208 2Z C3                      | 6208 2Z C3                      | Insulation                 | 155(F) to 130(B)                        |
| <b>bearing lifetime</b>                                                                |                                 |                                 | Duty type                  | S1                                      |
| L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation<br>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      | 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         |
| 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. |          |      |  |
| DI MC LVM                                                                          |                     | DT Configurator |             |                 |                                                                                                              |          |      |  |
|  | document type       |                 |             | document status |                                                                                                              | customer |      |  |
|                                                                                    | datasheet           |                 |             | released        |                                                                                                              |          |      |  |
|                                                                                    | title               |                 |             | document number |                                                                                                              |          |      |  |
|                                                                                    | 1LE1002-1CC39-0CA4  |                 |             |                 |                                                                                                              |          |      |  |
| © Siemens AG 2021                                                                  | M1A                 |                 |             | rev.            | creation date                                                                                                | language | Page |  |
|                                                                                    |                     |                 |             | 01              | 2021-04-22 15:53                                                                                             | en       | 1/2  |  |

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



Motor type : 1AV1133C

SIMOTICS GP - 132 M - IM V5 - 6p

### Special design

M1A 220 VD/380 VY, 60-Hz power

### Notes:

|                                                                                    |                             |                               |             |  |                                                                                                              |                                   |                |             |
|------------------------------------------------------------------------------------|-----------------------------|-------------------------------|-------------|--|--------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------|-------------|
| 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>1LE1002-1CC39-0CA4 |                               |             |  | document number                                                                                              |                                   |                |             |
| © Siemens AG 2021                                                                  | M1A                         |                               |             |  | rev.<br>01                                                                                                   | creation date<br>2021-04-22 15:53 | language<br>en | Page<br>2/2 |