



**SIMOTICS GP - 132 S - IM B3 - 2p**

|                  |                 |           |
|------------------|-----------------|-----------|
| 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> |       |
| <b>DOL duty (S1) - 155(F) to 130(B)</b> |       |      |          |      |       |         |      |                 |      |                        |                    |      |      |                                |                                |                                |       |
| 380                                     | Δ     | 50   | 5.50     | -/-  | 10.60 | 2945    | 17.8 | 89.2            | 89.5 | 88.6                   | 0.88               | 0.84 | 0.73 | 8.9                            | 2.5                            | 3.8                            | IE3   |
| 660                                     | Y     | 50   | 5.50     | -/-  | 6.10  | 2945    | 17.8 | 89.2            | 89.5 | 88.6                   | 0.88               | 0.84 | 0.73 | 8.9                            | 2.5                            | 3.8                            | IE3   |
| 440                                     | Δ     | 60   | 6.30     | -/-  | 10.50 | 3540    | 17.0 | 88.5            | 89.0 | 88.1                   | 0.89               | 0.84 | 0.75 | 9.9                            | 2.6                            | 4.0                            | IE2   |
| 440                                     | Δ     | 60   | 5.50     | -/-  | 9.30  | 3550    | 14.8 | 89.5            | 89.0 | 87.0                   | 0.87               | 0.82 | 0.71 | 11.1                           | 3.0                            | 4.6                            | IE3   |
| IM B3 / IM 1001                         |       |      | FS 132 S |      |       | IP55    | UKCA | IEC/EN 60034    |      | IEC, DIN, ISO, VDE, EN |                    |      |      |                                |                                |                                |       |

Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 10.8 s | 14.7 s

## Mechanical data

|                                                                                        |                                |                                |                                 |                                         |
|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                   | 69 / 77 dB(A) <sup>2) 3)</sup> | 74 / 82 dB(A) <sup>2) 3)</sup> | Vibration severity grade        | A                                       |
| Moment of inertia                                                                      | 0.0168 kg m²                   |                                | Thermal class                   | F                                       |
| Bearing DE   NDE                                                                       | 6208 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<br>50 60Hz <sup>1)</sup> | 40000 h                        | 32000 h                        | Frame material                  | aluminum                                |
| Regreasing device                                                                      | Without                        |                                | Net weight of the motor (IM B3) | 48 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                | (A) without (Standard)                  |
| External earthing terminal                                                             | Without                        |                                | Method of cooling               | IC411 - self ventilated, surface cooled |

## Terminal box

|                          |           |                                |               |
|--------------------------|-----------|--------------------------------|---------------|
| Terminal box position    | top       | 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     |
| 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)  $L_{10mh}$  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>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>                                                        |             |
| SIEMENS                    | document type<br>datasheet    |                   |             | document status<br>released                                                                                  |                             |  |             |
|                            | title<br>1LE1003-1CA03-3AA4-Z |                   |             | document number                                                                                              |                             |                                                                                       |             |
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3130A

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Special design

D47 TR CU product safety certificate EAC for the Eurasian Customs Union

Notes:

|                                                                                    |                               |                   |             |                                                                                                              |                             |                                                                                       |             |
|------------------------------------------------------------------------------------|-------------------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------|
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