

**SIMOTICS GP - 132 M - IM B5 - 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  | $I_A/I_N$ | $T_A/T_N$ | $T_B/T_N$ |       |
| 230             | $\Delta$     | 50   | 4.00     | -/-  | 15.80 | 975     | 39.0 | 86.8        | 87.3 | 86.2         | 0.73               | 0.66                   | 0.55 | 6.2       | 2.2       | 3.0       | IE3   |
| 400             | Y            | 50   | 4.00     | -/-  | 9.10  | 975     | 39.0 | 86.8        | 87.3 | 86.2         | 0.73               | 0.66                   | 0.55 | 6.2       | 2.2       | 3.0       | IE3   |
| 460             | Y            | 60   | 4.55     | -/-  | 8.80  | 1175    | 37.0 | 87.5        | 87.9 | 86.7         | 0.74               | 0.68                   | 0.56 | 6.6       | 2.2       | 3.1       | IE2   |
| 460             | Y            | 60   | 4.00     | -/-  | 8.30  | 1180    | 32.5 | 87.5        | 87.4 | 85.7         | 0.69               | 0.62                   | 0.51 | 7.5       | 2.8       | 3.8       | IE2   |
| IM B5 / IM 3001 |              |      | FS 132 M |      | 46 kq |         | IP55 |             |      | IEC/EN 60034 |                    | IEC, DIN, ISO, VDE, EN |      |           |           |           |       |

Locked rotor time (hot / cold) : 16.3 s | 21.7 s

## Mechanical data

|                                                                                     |                                 |                                 |                            |                                         |
|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------|-----------------------------------------|
| 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                                                                   | 0.0390 kg m <sup>2</sup>        |                                 | Vibration severity grade   | A                                       |
| Bearing DE   NDE                                                                    | 6208 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           | (A) without (Standard)                  |
| Condensate drainage holes                                                           | -/-                             |                                 | Method of cooling          | IC411 - self ventilated, surface cooled |

## Terminal box

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