



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

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

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

-/-

### Electrical data

| 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   | 7.50     | -/-  | 15.00 | 1465    | 49.0 | 90.4            | 91.1                                             | 90.8 | 0.84               | 0.80 | 0.71 | 8.2                            | 2.6                            | 3.7                            | IE3   |
| 660                                                  | Y     | 50   | 7.50     | -/-  | 8.60  | 1465    | 49.0 | 90.4            | 91.1                                             | 90.8 | 0.84               | 0.80 | 0.71 | 8.2                            | 2.6                            | 3.7                            | IE3   |
|                                                      |       |      |          |      |       |         |      |                 |                                                  |      |                    |      |      |                                |                                |                                |       |
| 440                                                  | Δ     | 60   | 7.50     | -/-  | 12.90 | 1770    | 40.5 | 91.7            | 91.8                                             | 91.0 | 0.83               | 0.81 | 0.73 | 9.6                            | 2.7                            | 4.2                            | IE3   |
| IM B3 / IM 1001                                      |       |      | FS 132 M |      |       | IP55    |      | IEC/EN 60034    |                                                  |      |                    |      |      |                                |                                | Grade 3                        |       |
| Environmental conditions : -20 °C - +40 °C / 1,000 m |       |      |          |      |       |         |      |                 | Locked rotor time (hot / cold) : 19.4 s   25.4 s |      |                    |      |      |                                |                                |                                |       |

## Mechanical data

|                                                                                     |                                |                                |                            |                                                    |
|-------------------------------------------------------------------------------------|--------------------------------|--------------------------------|----------------------------|----------------------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                | 68 / 76 dB(A) <sup>2) 3)</sup> | 68 / 80 dB(A) <sup>2) 3)</sup> | Thermal class              | F                                                  |
| Moment of inertia                                                                   | 0.0404 kg m²                   |                                | Duty type                  | S1                                                 |
| Bearing DE   NDE                                                                    | 6308 2Z C3                     | 6308 2Z C3                     | Direction of rotation      | bidirectional                                      |
| <b>bearing lifetime</b>                                                             |                                |                                | Frame material             | cast iron                                          |
| L <sub>10mh</sub> F <sub>rad min</sub> for coupling operation 50 60Hz <sup>1)</sup> | 40000 h                        | 32000 h                        | Net weight of the motor    | 120 kg                                             |
| Regreasing device                                                                   | Without                        |                                | Motor weight incl. options | 120 kg                                             |
| Grease nipple                                                                       | -/-                            |                                | Coating (paint finish)     | Standard paint finish C2                           |
| Type of bearing                                                                     | Locating bearing DE            |                                | Color, paint shade         | RAL7030                                            |
| Condensate drainage holes                                                           | Without                        |                                | Motor protection           | (B) 3 PTC thermistors - for tripping (2 terminals) |
| External earthing terminal                                                          | With (standard)                |                                | Method of cooling          | IC411 - self ventilated, surface cooled            |
| Vibration severity grade                                                            | A                              |                                |                            |                                                    |

## Terminal box

|                          |           |                                |               |
|--------------------------|-----------|--------------------------------|---------------|
| Terminal box position    | top       | Max. cross-sectional area      | 6 mm²         |
| Material of terminal box | cast iron | Cable diameter from ... to ... | 11 mm - 21 mm |
| Type of terminal box     | TB1 H21   | Cable entry                    | -/-           |
| Contact screw thread     | M4        |                                |               |

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.                                                                   | technical reference  | created by | approved by | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |               | <a href="#">Link documents</a>                                                        |      |
| IN LVM                                                                             |                      | SPC        |             |                                                                                                              |               |  |      |
|  | document type        |            |             | document status                                                                                              |               |  |      |
|                                                                                    | datasheet            |            |             | released                                                                                                     |               |                                                                                       |      |
|                                                                                    | title                |            |             | document number                                                                                              |               |                                                                                       |      |
|                                                                                    | 1MB1553-1CB23-3AB4-Z |            |             |                                                                                                              |               |                                                                                       |      |
|                                                                                    | B02+D32+D34          |            |             | rev.                                                                                                         | creation date | language                                                                              | Page |
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CD3132B

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Special design

|     |                                                  |     |                               |
|-----|--------------------------------------------------|-----|-------------------------------|
| B02 | Acceptance test certificate 3.1 acc. to EN 10204 | D34 | China Energy Efficiency Label |
| D32 | Ex certification for China                       |     |                               |

Notes:

|                                                                                    |                               |                   |             |                                                                                                              |                                |                             |                |             |
|------------------------------------------------------------------------------------|-------------------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------|----------------|-------------|
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|  | document type<br>datasheet    |                   |             |                                                                                                              | document status<br>released    |                             |                |             |
|                                                                                    | title<br>1MB1553-1CB23-3AB4-Z |                   |             |                                                                                                              | document number                |                             |                |             |
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