



**SIMOTICS GP - 160 M - IM B3 - 2p**

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

Remarks

## Safe Area

[illegible]

|                                                                                        |                                |                                |                                 |                                                    |
|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------|----------------------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                   | 77 / 85 dB(A) <sup>2) 3)</sup> | 81 / 89 dB(A) <sup>2) 3)</sup> | Vibration severity grade        | A                                                  |
| Moment of inertia                                                                      | 0.0430 kg m²                   |                                | Thermal class                   | F                                                  |
| Bearing DE   NDE                                                                       | 6209 2Z C3                     | 6209 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) | 78 kg                                              |
| Grease nipple                                                                          | -/-                            |                                | Coating (paint finish)          | Standard paint finish C2                           |
| Type of bearing                                                                        | Locating bearing NDE           |                                | Color, paint shade              | RAL7030                                            |
| Condensate drainage holes                                                              | Without                        |                                | Motor protection                | (B) 3 PTC thermistors - for tripping (2 terminals) |
| External earthing terminal                                                             | Without                        |                                | Method of cooling               | IC411 - self ventilated, surface cooled            |

|                          |           |                                |                     |
|--------------------------|-----------|--------------------------------|---------------------|
| Terminal box position    | top       | Max. cross-sectional area      | 16 mm²              |
| Material of terminal box | Aluminium | Cable diameter from ... to ... | 19 mm - 28 mm       |
| Type of terminal box     | TB1 J00   | Cable entry                    | 2xM40x1,5-1xM16x1,5 |
| Contact screw thread     | M5        | Cable gland                    | 3 plugs             |

Notes:

|                                                          |                                           |                                                                  |
|----------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------|
| $I_{Lr}/I_{Ln}$ = locked rotor current / current nominal | 1) L10mh according to DIN ISO 281 10/2010 | 3) Value is valid only for DOL operation with motor design IC411 |
| $M_r/M_{rn}$ = locked rotor torque / torque nominal      | 2) at rated power / at full load          |                                                                  |
| $M_b/M_{bn}$ = break down torque / nominal torque        |                                           |                                                                  |

|                                                                                    |                                          |                               |             |                                                                                                              |                             |                                                                                       |             |
|------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------|
| 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. |                             | <a href="#">Link documents</a>                                                        |             |
|  | document type<br>datasheet               |                               |             | document status<br>released                                                                                  |                             |  |             |
|                                                                                    | title<br>1LE1003-1DA33-4AB4-Z<br>B02+Q01 |                               |             | document number                                                                                              |                             |                                                                                       |             |
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3163A

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Special design

B02

Acceptance test certificate 3.1 acc. to EN 10204

Q01

Measuring nipple for SPM shock pulse measurement to monitor bearings

Notes:

|                                                                                    |                                          |                               |             |                                                                                                              |                                |
|------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|--------------------------------|
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|                                                                                    |                                          |                               |             | language<br>en                                                                                               | Page<br>2/2                    |

