



**SIMOTICS SD - 132 M - IM B3 - 2p**

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

Remarks

## Safe Area

| U                                                   | Δ / Y | f<br>[Hz] | P<br>[kW] | P<br>[hp] | I<br>[A] | n<br>[1/min] | M<br>[Nm] | $\eta^{3)}$  |                                                |                        | $\cos\varphi^{3)}$ |      |      | $I_A/I_N$ | $M_A/M_N$ | $M_K/M_N$ | IE-CL |
|-----------------------------------------------------|-------|-----------|-----------|-----------|----------|--------------|-----------|--------------|------------------------------------------------|------------------------|--------------------|------|------|-----------|-----------|-----------|-------|
| [V]                                                 |       |           |           |           |          |              |           | 4/4          | 3/4                                            | 2/4                    | 4/4                | 3/4  | 2/4  | $I_I/I_N$ | $T_I/T_N$ | $T_B/T_N$ |       |
| <b>DOL duty (S1) - 155(F) to 130(B)</b>             |       |           |           |           |          |              |           |              |                                                |                        |                    |      |      |           |           |           |       |
| 230                                                 | Δ     | 50        | 11.00     | -/-       | 34.00    | 2940         | 35.5      | 91.2         | 92.1                                           | 92.3                   | 0.89               | 0.85 | 0.76 | 9.8       | 2.8       | 4.1       | IE3   |
| 400                                                 | Y     | 50        | 11.00     | -/-       | 19.60    | 2940         | 35.5      | 91.2         | 92.1                                           | 92.3                   | 0.89               | 0.85 | 0.76 | 9.8       | 2.8       | 4.1       | IE3   |
| 460                                                 | Y     | 60        | 12.60     | -/-       | 19.30    | 3540         | 34.0      | 91.0         | 91.7                                           | 91.5                   | 0.90               | 0.86 | 0.78 | 10.4      | 2.8       | 4.3       | IE3   |
| 460                                                 | Y     | 60        | 11.00     | -/-       | 17.20    | 3550         | 29.5      | 91.0         | 91.3                                           | 90.8                   | 0.88               | 0.84 | 0.74 | 11.7      | 3.2       | 4.9       | IE3   |
| IM B3 / IM 1001                                     |       |           | FS 132 M  |           |          | IP55         | UKCA      | IEC/EN 60034 |                                                | IEC, DIN, ISO, VDE, EN |                    |      |      |           |           |           |       |
| Environmental conditions : -20 °C - +40 °C / 1000 m |       |           |           |           |          |              |           |              | Locked rotor time (hot / cold) : 5.7 s   9.5 s |                        |                    |      |      |           |           |           |       |

|                                                                                        |                                |                                |                                 |                                         |
|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                   | 68 / 80 dB(A) <sup>2) 3)</sup> | 72 / 84 dB(A) <sup>2) 3)</sup> | Vibration severity grade        | A                                       |
| Moment of inertia                                                                      | 0.0230 kg m <sup>2</sup>       |                                | Thermal class                   | F                                       |
| Bearing DE   NDE                                                                       | 6308 2Z C3                     | 6308 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                  | cast iron                               |
| 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 DE            |                                | Color, paint shade              | RAL7030                                 |
| Condensate drainage holes                                                              | With (standard)                |                                | Motor protection                | (A) without (Standard)                  |
| External earthing terminal                                                             | Without                        |                                | Method of cooling               | IC411 - self ventilated, surface cooled |

|                          |           |                                |               |
|--------------------------|-----------|--------------------------------|---------------|
| 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 H01   | Cable entry                    | 2xM32x1,5     |
| Contact screw thread     | M4        | Cable gland                    | 2 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><br> |             |
|  | document type<br>datasheet                   |                               |             | document status<br>released                                                                                  |                             |                                    |             |
|                                                                                    | title<br>1LE1503-1CA62-2AA4-Z<br>H01+L20+L25 |                               |             | document number                                                                                              |                             |                                                                                                                         |             |
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|                                                                                    |                               |                               |             |                                                                                                              |                             |                                                                                       |             |
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