



**SIMOTICS GP - 160 L - (F) IM B5 / IM3001 - p**

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

Remarks

-/-

| 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 | $I_A/I_N$ | $T_I/T_N$ | $T_B/T_N$ |       |

**DOL duty (S1) - 155(F) to 130(B)**

|     |  |    |       |     |       |      |      |      |  |  |      |  |  |     |     |     |  |
|-----|--|----|-------|-----|-------|------|------|------|--|--|------|--|--|-----|-----|-----|--|
| 400 |  | 50 | 3.30  | -/- | 10.40 | 735  | 43.0 | 81.4 |  |  | 0.56 |  |  | 4.8 | 2.5 | 3.3 |  |
| 400 |  | 50 | 14.00 | -/- | 32.50 | 1475 | 91.0 | 85.8 |  |  | 0.73 |  |  | 7.2 | 2.5 | 3.3 |  |

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56.160.1

LEGION 6004

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

Exception from EU 2019/1781 acc. to Article 2 (2) (n)

## Mechanical data

|                                      |                       |                       |                         |                           |
|--------------------------------------|-----------------------|-----------------------|-------------------------|---------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz | / dB(A) <sup>3)</sup> | / dB(A) <sup>3)</sup> | Duty type               | S1 = continuous operation |
| Moment of inertia                    | 0.0560 kg m²          |                       | Direction of rotation   | bidirectional             |
| Bearing DE   NDE                     | 6309 2ZC3             | 6309 2ZC3             | Frame material          | aluminum                  |
| Regreasing device                    | 40000                 |                       | Net weight of the motor | 85 kg                     |
| Type of bearing                      | Locating bearing NDE  |                       | Coating (paint finish)  | Standard paint finish C2  |
| Condensate drainage holes            | No                    |                       | Color, paint shade      | RAL7030                   |
| External earthing terminal           | No                    |                       | Motor protection        | Without                   |
| Vibration severity grade             | A (standard)          |                       | Method of cooling       | IC 411                    |
| Thermal class                        | F                     |                       |                         |                           |

## Terminal box

|                          |                           |                                |               |
|--------------------------|---------------------------|--------------------------------|---------------|
| Terminal box position    | Terminal box - at the 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     |
| Contact screw thread     | M5                        | Cable gland                    | 2 plugs       |

$I_A/I_N$  = 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

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|                                                                                    |                                        |                   |                                      |                                                                                                              |                             |                                                                                       |             |
|------------------------------------------------------------------------------------|----------------------------------------|-------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------|
| Responsible department<br>IN LVM                                                   | Technical reference                    | Created by<br>SPC | Approved by<br>Created automatically | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |                             | <a href="#">Link documents</a>                                                        |             |
|  | Document type<br>Technical data sheet  |                   |                                      | Document status<br>Released                                                                                  |                             |  |             |
|                                                                                    | Document title<br>1LE1011-1DR49-0FA4-Z |                   |                                      | Document number<br>TDS-240722-151915                                                                         |                             |                                                                                       |             |
| Restricted<br>© Innomotics 2024                                                    | F74+M1Y+R12+Y59                        |                   |                                      | Revision<br>AA                                                                                               | Creation date<br>2024-07-22 | Language<br>en                                                                        | Page<br>1/2 |

Branding disclaimer applies



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|     |                                  |     |                                              |
|-----|----------------------------------|-----|----------------------------------------------|
| F74 | Sheet steel fan cowl             | R12 | Terminal box rotated through 180°            |
| M1Y | Non-standard winding: 400VD,50Hz | Y59 | Non-standard cylindrical shaft extension NDE |

|                                                                                    |                                        |                   |                                      |                                                                                                              |                             |                                                                                       |             |
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