



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

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

## Safe Area

|                 |                  |         |                        |        |       |                             |        |                |                      |            |
|-----------------|------------------|---------|------------------------|--------|-------|-----------------------------|--------|----------------|----------------------|------------|
| U [V]           | $\Delta / Y [-]$ | F [Hz]  | P [kW]                 | P [hp] | I [A] | n [1/min]                   | M [Nm] | $\eta$ [%] 4/4 | $\cos\phi$ [-] 4/4   | IE-CL [-]  |
| 380             | Y                | 75      | 3                      | -/-    | 5.2   | 1500                        | 19.1   | 92.1           | 0.95                 | <b>IE5</b> |
| IM B3 / IM 1001 |                  | FS 90 L | IEC, DIN, ISO, VDE, EN |        |       | n <sub>max</sub> 2250 1/min |        |                | IEC/EN TS 60034-30-2 |            |

These values are calculated. The final rating plate data will be calculated when the order is placed  
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

|                                                                          |                   |           |                          |                                                                  |
|--------------------------------------------------------------------------|-------------------|-----------|--------------------------|------------------------------------------------------------------|
| Sound level (SPL / SWL) 1500 1/min                                       | dB(A)             | dB(A)     | Vibration severity grade | A                                                                |
| Moment of inertia                                                        | 0.00429 kg m²     |           | Thermal class            | F                                                                |
| Bearing DE   NDE                                                         | 6205 2ZC3         | 6004 2ZC3 | Duty type                | S9                                                               |
| <b>Bearing lifetime</b>                                                  |                   |           | Direction of rotation    | bidirectional                                                    |
| L <sub>10mh</sub> F <sub>Rad min</sub> according catalogue<br>1500 1/min |                   | 40000 h   | Frame material           | aluminum                                                         |
| Regreasing device                                                        | Without           |           | Coating (paint finish)   | Standard paint finish C2                                         |
| Type of bearing                                                          | Floating bearings |           | Color, paint shade       | RAL7030                                                          |
| Condensate drainage holes                                                | Without           |           | Motor protection         | (B) 3 PTC thermistors - for tripping<br>(standard) (2 terminals) |
| External earthing terminal                                               | Without           |           | Method of cooling        | IC411 - self-ventilated surface-cooled                           |

|                                   |                  |                                    |            |
|-----------------------------------|------------------|------------------------------------|------------|
| Input voltage                     | 400-480V +/- 10% | Number of digital inputs / outputs | 4DI/2DO    |
| Input frequency                   | 50/60Hz +/- 6%   | Number of relay outputs            | 2RO        |
| Input current                     | 6.10 A           | EMC (DIN-EN-61800-3)               | C2         |
| Overload capability               | 135%             | Fieldbus                           | Modbus RTU |
| Efficiency acc. IEC61800-9-2      | IE2              | Network configuration              | TN / TT    |
| Switching frequency               | 4.0 kHz          | Frame material                     | Aluminium  |
| Number of analog inputs / outputs | 2AI/1AO          | Color, paint shade                 | RAL9005    |

|                          |                       |                         |         |
|--------------------------|-----------------------|-------------------------|---------|
| Environmental conditions | -20°C - 40°C / 1000 m | Total weight            | 21.0 kg |
| Protection class IP      | IP55                  | System efficiency class | IES5    |

1)  $L_{10min}$  according to DIN ISO 28110/2010  
2) at rated power / at full load  
3) Both values are used for motor control to optimize efficient operation.

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|---------------------------------|---------------------------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------|
| Responsible department<br>IN LV | Technical reference                   | Created by<br>IPC | Approved by | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |                             | Link documents                                                                        |             |
| INNOMOTICS                      | Document type<br>Technical data sheet |                   |             | Document status<br>Released                                                                                  |                             |  |             |
|                                 | Document title<br>1UZ1005-0EK62-1AB0  |                   |             | Document number<br>TDS-260727-095228                                                                         |                             |                                                                                       |             |
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INNOMOTICS MD - 90 L - IM B3 - 6p - motor including a mounted frequency converter

Implicit options

D24 CE mark on the nameplate (Declarations acc. to the EU Directives)

1)  $L_{10min}$  according to DIN ISO 28110/2010

2) at rated power / at full load

3) Both values are used for motor control to optimize efficient operation.

4) The curves were created using calculated data.  
Note: Values are given for rated point currents.

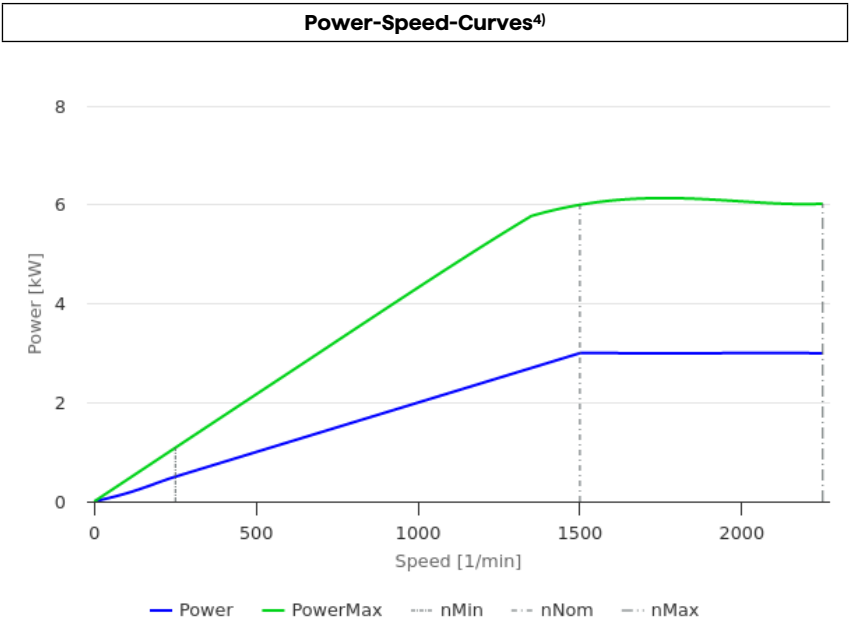
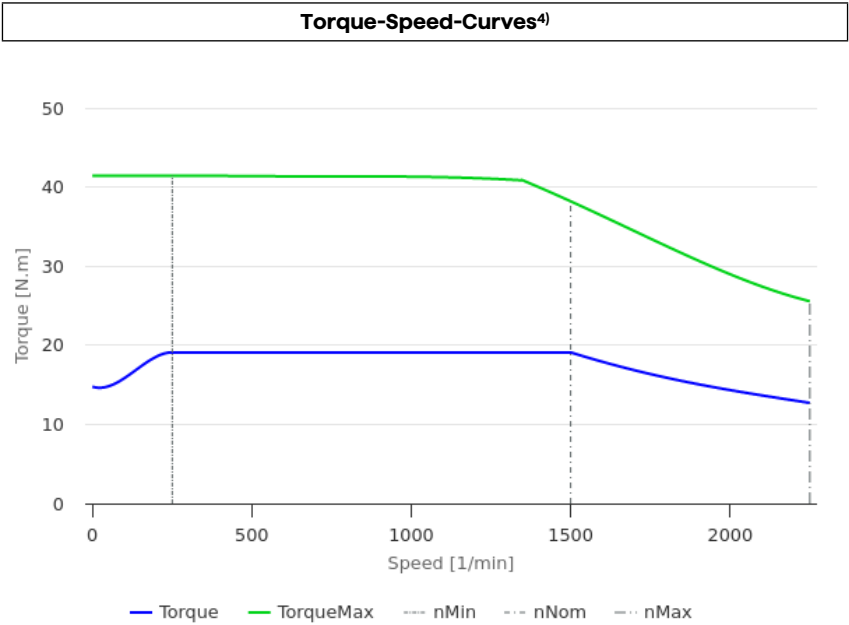
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INNOMOTICS MD - 90 L - IM B3 - 6p - motor including a mounted frequency converter

General data



1) L<sub>10min</sub> according to DIN ISO 28110/2010  
2) at rated power / at full load  
3) Both values are used for motor control to optimize efficient operation.  
4) The curves were created using calculated data.  
Note: Values are given for rated point currents.

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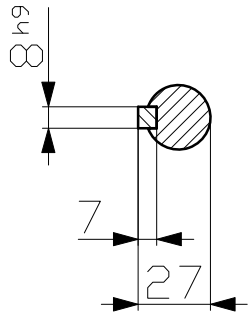
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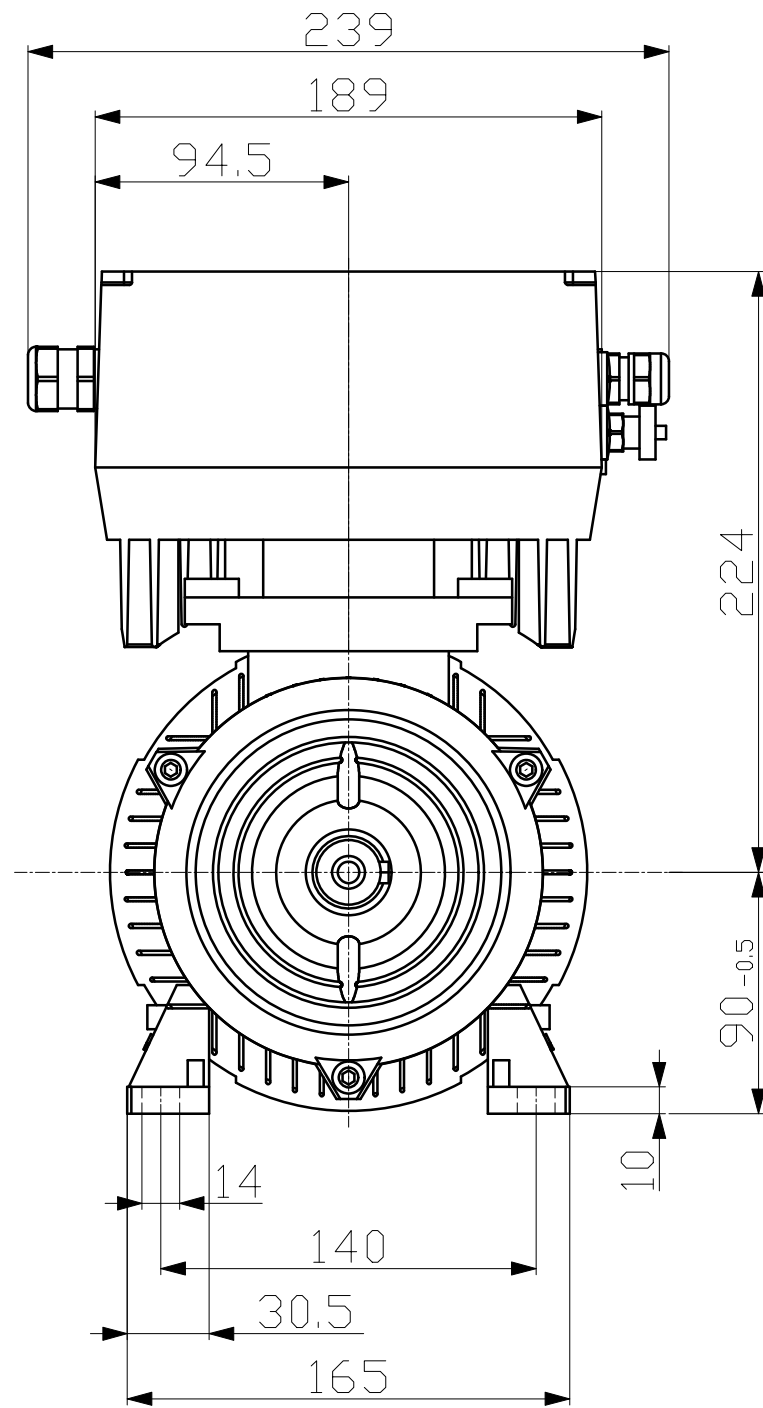
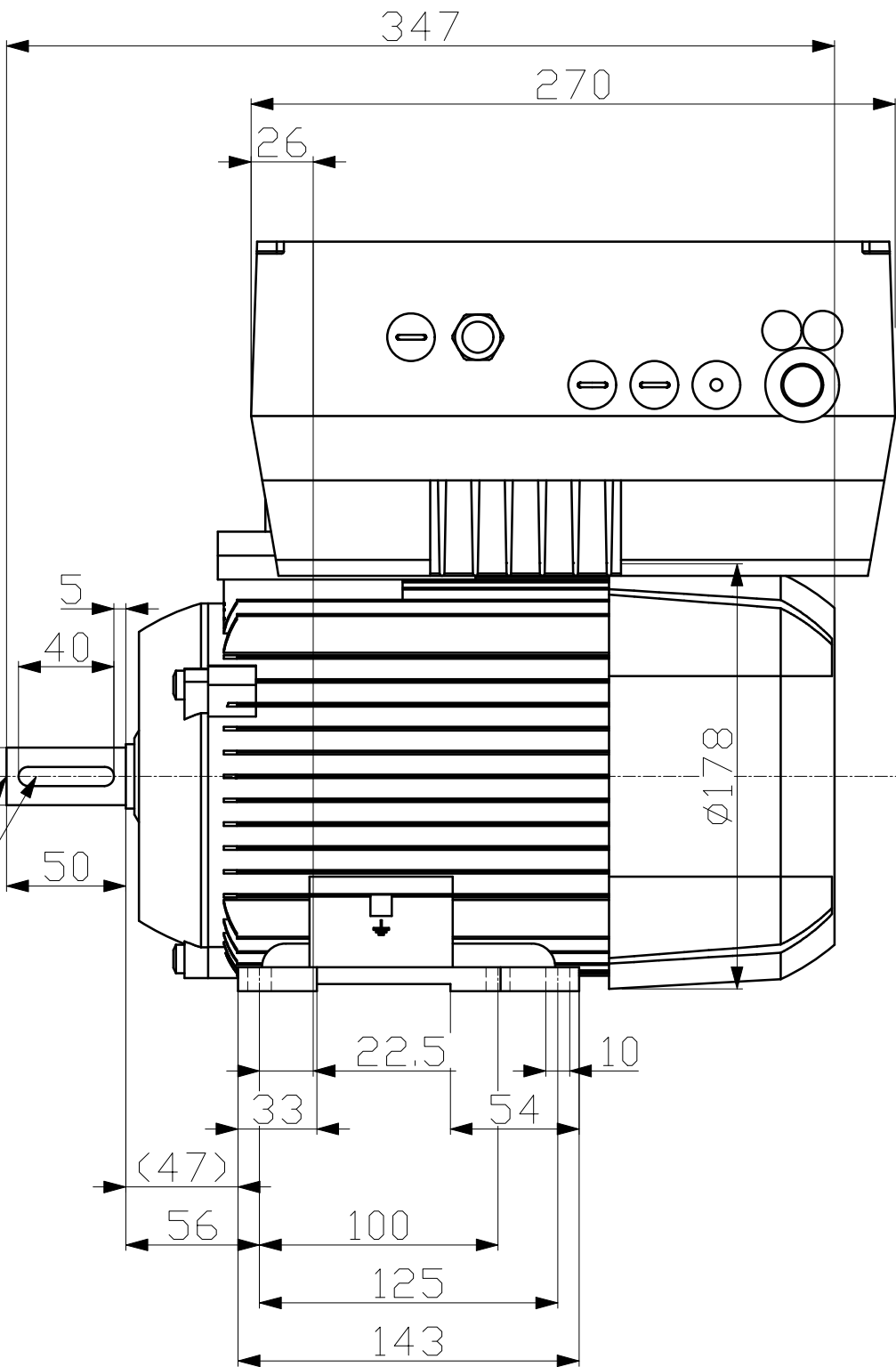
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DIN 332-DR M8  
DIN 6885-1



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Technische  nderungen vorbehalten!  
Technical data are subject to change!

| Tolerance                                                                             | Surface                        | Material                            | Weight                             | Scale<br><br>mm |
|---------------------------------------------------------------------------------------|--------------------------------|-------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------|
| 1UZ1005-0EK62-1AB0                                                                    | Author                         | Dimensional drawing<br>Ma zeichnung |                                    |                                                                                                      |
|                                                                                       | Creator27/07/2026 IPC          |                                     |                                    |                                                                                                      |
|                                                                                       | Approval Created automatically |                                     |                                    |                                                                                                      |
|                                                                                       | Department IN LVM              |                                     |                                    |                                                                                                      |
|  | Change Order                   | MLFB                                | Doc Type /                         |                                                                                                      |
|                                                                                       | Doc State Released             | Item No                             | Paper Size A3                      |                                                                                                      |
|                                                                                       | Revision AA Index RS           | Doc No                              | 1st Language en<br>2nd Language de |                                                                                                      |
|                                                                                       | Project No                     | Ref No                              | Sheet 1 of 1                       |                                                                                                      |

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8