



VEM  MOTOR

Fire-gas motors

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Product description

Three-phase asynchronous motors for use in powered smoke and heat extraction systems Fire-gas versions F₂₀₀ – F₄₀₀ (F₆₀₀) to EN 12101-3

Taking up the basic design features of the VEM asynchronous motor series, specifically modified insulation systems, bearings and cable connections were developed to enable use in powered smoke and heat extraction systems.

These fire-gas motors operate as conventional fan motors under normal circumstances, but are designed such that, in case of a fire, they continue to function under the significantly increased temperatures for a specified period of time before they are permitted to fail. Already at the design stage, strict testing is implemented to simulate corresponding emergency situations as realistically as possible.



As the real operating conditions are always dependent on the individual application, further tests on the final product must be performed by the fan manufacturer. The smallest and largest models of each series are tested. For these tests, the motors are fitted with additional thermosensors to enable exact monitoring of the temperatures inside the motor. Such sensors are normally incorporated at the bearings, in the winding overhang and in the core slot.



Practical use is only permitted after successful completion of the testing.



VEM fire-gas motors are already in proven use in numerous major tunnels, including for example the Öresund tunnel, and are there operating under the most varied conditions (road and rail tunnels, see photos).



Numerous different design variants are used. For jet fans, the dominant construction Type is "pad-mounted". Where higher outputs are required, the cables can also be routed out via the bearing end shield at the N-end.

Classification according to DIN EN 12101-3

In accordance with DIN EN 12101-3, fire-gas motors are assigned to classes from F₂₀₀ to F₆₀₀.

| Fire-gas temperature | Duration of thermal stress | | Classification acc. to EN 12101-3 |
|----------------------|----------------------------|-----|-----------------------------------|
| | 1 h | 2 h | |
| 200 °C | | • | F ₂₀₀ |
| 300 °C | • | | F ₃₀₀ |
| 400 °C | | • | F ₄₀₀ |
| 600 °C | • | | F ₆₀₀ ^{*)} |

^{*)} upon request

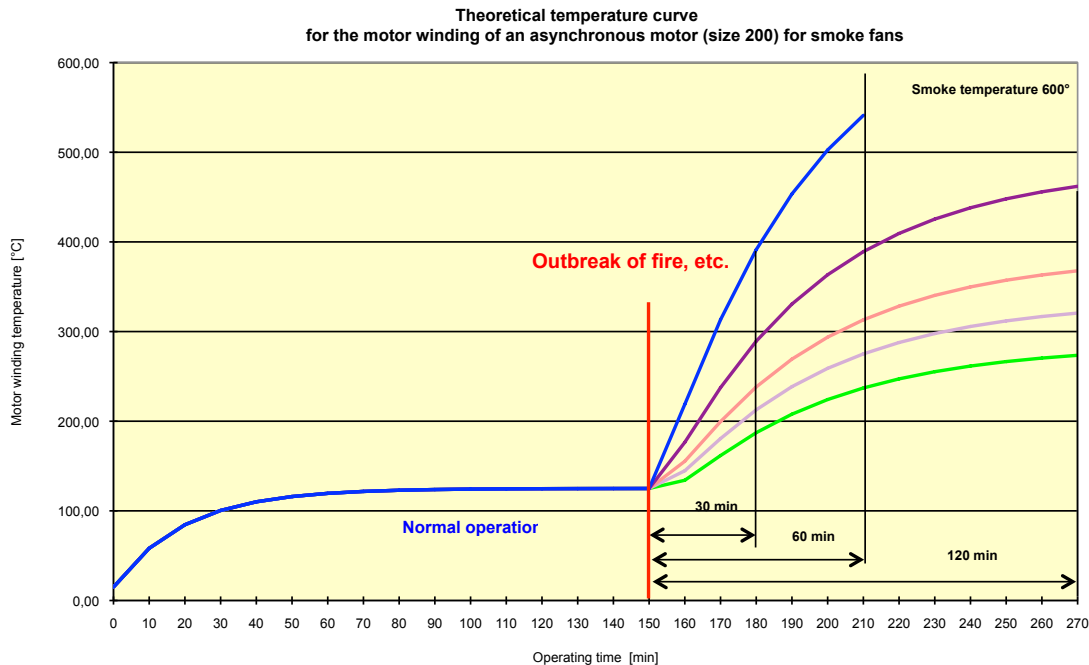
In practice, however, operators often demand stress exposure durations which deviate from those specified in the DIN EN standard; such cases are assigned to the appropriate basic class. In class F₂₀₀, the assignments between mounting dimensions and rated output correspond to DIN 42673/DIN 42677. The rated outputs are reduced in classes F₃₀₀ and F₄₀₀. Detailed information can be found in the tables of technical data. Pole-changing motors with two speeds can

be supplied upon request. The data given in the technical selection lists refer to self-ventilated motors with Type of cooling IC 411. Where motors without self-ventilation are incorporated into jet fans or ventilation ducts (Type of cooling IC 418), motor cooling is provided by the fan of the overall system with its significantly greater cooling air flow. This permits raising of the output power. Motors are then configured on a customer-specific basis.

Insulation systems

In case of a fire, the insulation systems of fire-gas motors are subjected to extreme temperatures, which may even lead to disintegration and destruction of the insulation

materials. The insulation thus consists of materials of thermal class F, H or 250/IEC 60085, depending on the specified stress temperatures.



Temperature curve for the motor winding of an asynchronous motor (size 200)

Materials

| Shaft height | Housing | Material for End shields | Feet | Foot mounting |
|---------------|---------|--------------------------|------|---------------|
| 132 to 280 | | Grey cast iron | | Bolted |
| 315, 355, 400 | | | | Cast-on |

Types of construction and dimensions

Motors can be supplied in all Types of construction of the VEM basic series. The mounting dimensions are similarly

identical to the corresponding basic versions. A design version "pad-mounted" can be supplied upon request.

Notes regarding mode of operation

The motors are intended for use in powered smoke and heat extraction systems in accordance with EN 12101-3. They are dual-function motors for normal and emergency operation.

Normal operation:

Operation under normal conditions in accordance with the rating plate specifications.

Duty Type: S1
Ambient temperature: -20 °C to +40 °C
Installation altitude: ≤ 1000 m

Any deviating specifications on the rating plate must always be observed. The conditions at the place of installation must correspond to the rating plate specifications.

Emergency operation:

Short-time duty S2, running time dependent on the fire-gas class. Emergency operation is understood to mean operation under conditions which deviate from those of normal operation. This refers, in particular, to the occurrence of an emergency situation as defined according to EN 12101-3 (temperature-time classification). If an emergency situation occurs, the thermal winding protection must be disabled immediately!

After the occurrence of any emergency situation, the affected motors must always be replaced!

If the operating conditions deviate from the normal conditions specified on the rating plate without this constituting an emergency situation, a reduced service lifetime and reduced suitability to withstand an emergency situation must be expected. The motors are designed for use in industrial environments. Use in areas subject to an explosion hazard is forbidden.

Special designations for fire-gas versions

| Special designation | Emergency operation | Class acc. to EN 12101 | Remarks |
|---------------------|----------------------|------------------------|--|
| FV (old FV0) | 1 h at 200 °C | F _{f200} (60) | |
| FV1 | 2 h at 200 °C | F ₂₀₀ | |
| | 1 h at 250 °C | F _{f250} (60) | |
| FV2 | 1 h at 300 °C | F ₃₀₀ | Discontinuation due to new development* |
| FV2-1 | 1 h at 300 °C | | New development, replacing FV2 |
| FV2 | 2 h at 250 °C | F _{f250} | Discontinuation due to new development* |
| FV2-1 | 2 h at 250 °C | | New development, replacing FV2 |
| FV3 | 2 h at 300 °C | F _{f300} | Discontinuation due to new development* |
| FV3-1 | 2 h at 300 °C | | New development, replacing FV3 |
| FV4-2 | 1 h at 400 °C | F _{f400} (60) | Discontinuation due to new development* |
| | 1.5 h at 400 °C | F _{f400} (90) | |
| | 2 h at 400 °C | | |
| FV4-3 | 2 h at 400 °C | F ₄₀₀ | Customer-specific special version |
| FV4-4 | 2 h at 400 °C | | New development, replacing für FV4-2 |
| FV5X | 1 h at 600 °C | F ₆₀₀ X | Motor with thermal protection |
| FV5 | 1 h at 600 °C | F ₆₀₀ | |

* Consultation with the manufacturer necessary

Newly developed versions FV2-1, FV3-1 and FV4-4 are available for the Types FV2, FV3 and FV4-2. These new versions are to be preferred when developing new fan systems, as supplies of the individual materials used in the original versions will be significantly limited in the future. When switching, however, it must be taken into account that renewed approval testing for the fan system may be necessary.

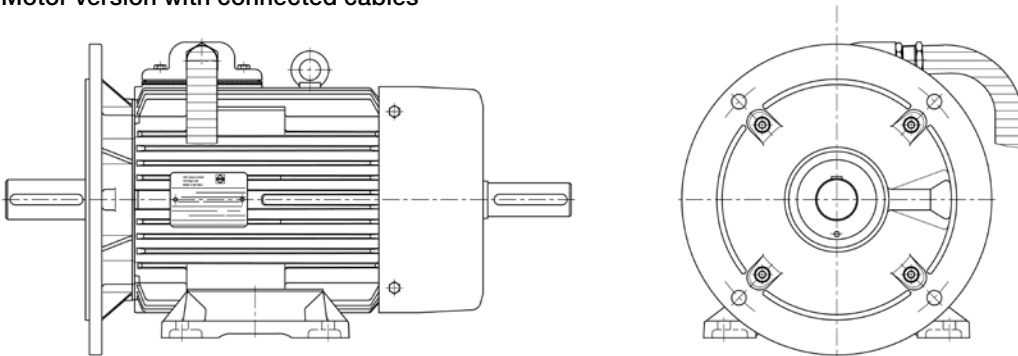
Motors for efficiency classes IE2 and IE3 in sizes 132...400 can only be supplied on the basis of the newly developed systems FV2-1, FV3-1 and FV4-4. Motors are supplied on the basis of a manufacturer's declaration until the results of customer testing of the overall system become available.

Motor connection

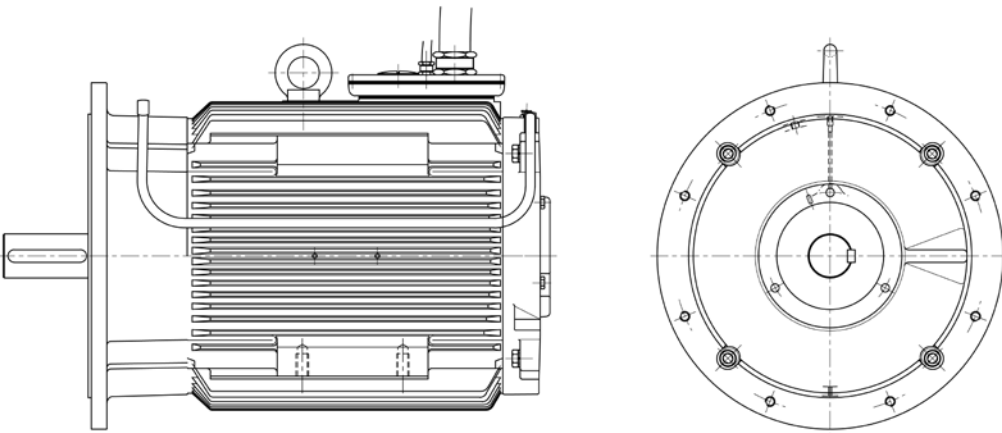
Upon customer request, it is possible – to a limited extent – to use terminal boxes with a connection plate. In such cases, the following conditions apply: VEM standard connection plates may be used for classes $F_{200}(60)$, F_{200} , $F_{250}(60)$ and $F_{600}X$. Ceramic connection plates with a stud diameter up to M6 are available for F_{300} , F_{250} and F_{300} (corresponding to terminal box 63 A). From fire-gas class F_{400} , the connection is realised exclusively by way of high-temperature-resistant cables or specially insulated single conductors, which can also be provided with protective tubing.

Where motors are designed with a terminal box, the connection cables used must be appropriate for the specified fire-gas class. Cable lugs must only be crimped; solder connections are not permitted. For further details of terminal boxes, please refer to the section “Terminal boxes” in Chapter 2 “Standard motors”. The assignments of terminal boxes can be taken from the dimension drawings.

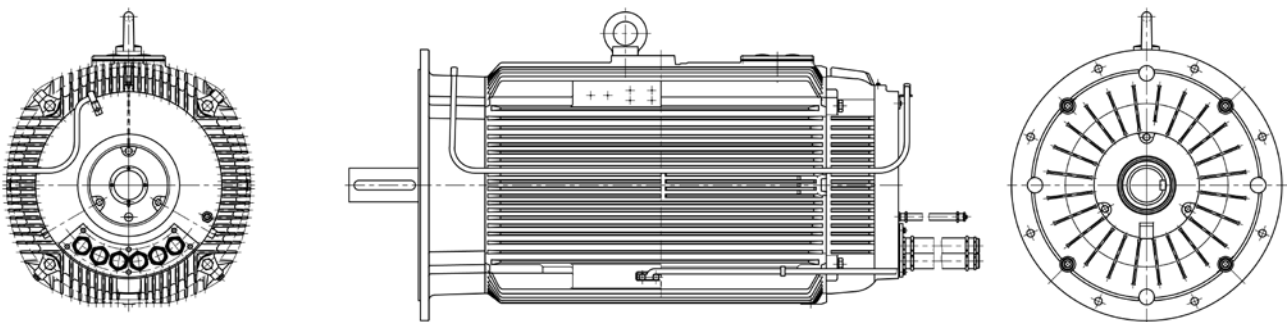
Motor version with connected cables



Connection cable with protective tubing, connection plate at top



Connection cable without protective tubing, connection plate at top



Connection cable with protective tubing, connection plate at rear end shield

Overview of technical data

The most important technical data are summarised in the following table.
Further information can be taken from the catalogue section "Introduction" (chapter 1).

| | |
|--|--|
| Product group | Squirrel-cage rotor, IEC/DIN |
| Rated output | 4 kW to 710 kW (IE1, IE2 and IE3 versions with 2, 4, 6 and 8 poles) |
| Sizes | 132 to 400 |
| Housing material | Grey cast iron |
| Rated torque | 20 Nm to 4500 Nm |
| Efficiency classification/ efficiency determination | IEC/EN 60034-30-1 / IEC/EN 60034-2-1, ≤ 1 kW direct measurement, > 1 kW residual loss method |
| Stress temperatures in case of emergency | 1 h at 200 °C, class F ₂₀₀ (60) to EN 12101-3:2015 2 h at 200 °C, class F ₂₀₀ to EN 12101-3:2015 1 h at 250 °C, class F ₂₅₀ (60) to EN 12101-3:2015 1 h at 300 °C, class F ₃₀₀ to EN 12101-3:2015 2 h at 250 °C, class F ₂₅₀ to EN 12101-3:2015 2 h at 400 °C, class F ₄₀₀ to EN 12101-3:2015 |
| Method of connection | Single-speed motors are designed in star-delta configuration as standard. |
| Stator winding insulation | Thermal class 155, optional 155 [F(B)], 180 to IEC/EN 60034-1 |
| Degree of protection | IP 55 to IEC/EN 60034-5, higher ratings as options |
| Type of cooling | IC 411, with self-ventilation (observe Regulations (EC) 640/2009 and (EU) 4/2014), IC 418, without self-ventilation, for incorporation into jet fans to IEC/EN 60034-6 |
| Coolant temperature/ installation altitude | Standard -20 °C to +40 °C, Altitude 1000 m above sea level, deviating locations upon request |
| Rated voltage | Standard voltages to EN 60038 50 Hz: 230 V, 400 V, 500 V, 690 V, 60 Hz: 275 V, 460 V, 480 V, 600 V (Prior consultation necessary regarding 230 V, 50 Hz and 275 V, 60 Hz for motors from size 315) |
| Duty Types | S1, continuous duty |
| Types of construction | IM B3, IM B35, IM B5 and derived types to IEC/EN 60034-7 |
| Paint finish | Normal finish "Moderate", colour RAL 7031, blue-grey Special finish "Worldwide", colour RAL 7031, blue-grey |
| Vibration severity grade | Grade "A" as standard for machines with no special vibration requirements |
| Shaft ends | to DIN 748 (IEC 60072), balanced with half-key |
| Limit speeds | Please refer to the section of "Limit speeds" in catalogue section "Motors for converter-fed operation", Chapter 4. |
| Bearing design | Please refer to the tables of bearing design data. |
| Motor mass | Please refer to the technical selection lists. |
| Terminal boxes | Please refer to the tables of "Terminal boxes" in catalogue section „Standard motors“, Chapter 2. |
| Documentation | The operating and maintenance manuals of the final product must be observed. |
| Tolerances | Please refer to the section "Tolerances" in catalogue section "Introduction", Chapter 1. |
| Options | Please refer to the section "Overview of modifications" in catalogue section "Introduction", Chapter 1. |

Motor selection data

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Premium Efficiency IE3

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| | | | | Class | | Thermal stress | | | | | | | | |
|---|-------------------|-----------------------|-----------------------|---------------|-------------------------|----------------|-----------|-----------|---------------------|------------------|------------------|------|--|--|
| | | | | $F_{200}(60)$ | $F_{200} + F_{250}(60)$ | F_{300} | F_{300} | F_{300} | F_{400} | | | | | |
| | | | | 1h/200 °C | 2h/200 °C + 1h/250 °C | 1h/300 °C | 2h/300 °C | 2h/300 °C | 2h/400 °C | | | | | |
| | | | | VEM code | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | | | | | |
| Type designation | | | | Rated output | | | | | Cooling air | | | | | |
| Cooling IC 411 | | Cooling IC 418 | | P_B | P_B | P_B | P_B | P_B | Q | v | J | m | | |
| T-box at D-end | | T-box at N-end | | kW | kW | kW | kW | kW | m ³ /min | ms ⁻¹ | kgm ² | kg | | |
| Synchronous speed 3000 rpm – 2-pole version | | | | | | | | | | | | | | |
| IE3-W41R 132 SX2 | IE3-Y41R 132 SX2 | IE3-W41R 132 SX2 FAN | IE3-Y41R 132 SX2 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 7 | 19.0 | 0.0168 | 75 | | |
| IE3-W41R 160 M2 | IE3-Y41R 160 M2 | IE3-W41R 160 M2 FAN | IE3-Y41R 160 M2 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 12 | 19.0 | 0.0575 | 125 | | |
| IE3-W41R 160 MX2 | IE3-Y41R 160 MX2 | IE3-W41R 160 MX2 FAN | IE3-Y41R 160 MX2 FAN | 15 | 11.0 | 11.0 | 11 | 7.5 | 12 | 19 | 0.0675 | 145 | | |
| IE3-W41R 160 L2 | IE3-Y41R 160 L2 | IE3-W41R 160 L2 FAN | IE3-Y41R 160 L2 FAN | 18.5 | 15.0 | 15.0 | 15 | 11 | 12 | 19 | 0.078 | 160 | | |
| IE3-W41R 180 M2C | IE3-Y41R 180 M2C | IE3-W41R 180 M2C FAN | IE3-Y41R 180 M2C FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 14 | 21.0 | 0.1717 | 214 | | |
| IE3-W41R 200 L2 | IE3-Y41R 200 L2 | IE3-W41R 200 L2 FAN | IE3-Y41R 200 L2 FAN | 30 | 22.0 | 22.0 | 22 | 18.5 | 16 | 22.0 | 0.36 | 305 | | |
| IE3-W41R 200 LX2C | IE3-Y41R 200 LX2C | IE3-W41R 200 LX2C FAN | IE3-Y41R 200 LX2C FAN | 37 | 30.0 | 30.0 | 30 | 22 | 16 | 22.0 | 0.4757 | 310 | | |
| IE3-W41R 225 M2 | IE3-Y41R 225 M2 | IE3-W41R 225 M2 FAN | IE3-Y41R 225 M2 FAN | 45 | 37.0 | 37.0 | 37 | 30 | 22 | 23.0 | 0.375 | 375 | | |
| IE3-W41R 250 M2 | IE3-Y41R 250 M2 | IE3-W41R 250 M2 FAN | IE3-Y41R 250 M2 FAN | 55 | 45.0 | 45.0 | 45 | 37 | 25 | 23.0 | 0.65 | 510 | | |
| IE3-W41R 280 S2 | IE3-Y41R 280 S2 | IE3-W41R 280 S2 FAN | IE3-Y41R 280 S2 FAN | 75 | 55.0 | 55.0 | 55 | 45 | 25 | 23 | 0.65 | 500 | | |
| IE3-W41R 280 M2 | IE3-Y41R 280 M2 | IE3-W41R 280 M2 FAN | IE3-Y41R 280 M2 FAN | 90 | 75.0 | 75.0 | 75 | 55 | 25 | 23 | 0.675 | 545 | | |
| IE3-W41R 315 S2 | IE3-Y41R 315 S2 | IE3-W41R 315 S2 FAN | IE3-Y41R 315 S2 FAN | 110 | 90.0 | 90.0 | 90 | 75 | 27 | 23.0 | 1.21 | 750 | | |
| IE3-W41R 315 M2 | IE3-Y41R 315 M2 | IE3-W41R 315 M2 FAN | IE3-Y41R 315 M2 FAN | 132 | 110.0 | 110.0 | 110 | 90 | 27 | 23.0 | 1.44 | 815 | | |
| IE3-W41R 315 MX2 | IE3-Y41R 315 MX2 | IE3-W41R 315 MX2 FAN | IE3-Y41R 315 MX2 FAN | 160 | 132.0 | 132.0 | 132 | 110 | 27 | 23.0 | 1.76 | 955 | | |
| IE3-W41R 315 MY2 | IE3-Y41R 315 MY2 | IE3-W41R 315 MY2 FAN | IE3-Y41R 315 MY2 FAN | 160 | 160.0 | 160.0 | 160 | 132 | 27 | 23.0 | 2.37 | 1095 | | |
| IE3-W41R 315 L2 | IE3-Y41R 315 L2 | IE3-W41R 315 L2 FAN | IE3-Y41R 315 L2 FAN | 200 | 160.0 | 160.0 | 160 | 160 | 27 | 23 | 2.82 | 1200 | | |
| IE3-W41R 315 L2 | IE3-Y41R 315 L2 | IE3-W41R 315 L2 FAN | IE3-Y41R 315 L2 FAN | 250 | 200.0 | 200.0 | 200 | 160 | 27 | 23 | 3.66 | 1460 | | |
| IE3-W41R 315 LX2 | IE3-Y41R 315 LX2 | IE3-W41R 315 LX2 FAN | IE3-Y41R 315 LX2 FAN | 315 | 250.0 | 250.0 | 250 | 200 | 27 | 23 | 4.43 | 1700 | | |
| IE3-W41R 355 M2 | IE3-Y41R 355 M2 | IE3-W41R 355 M2 FAN | IE3-Y41R 355 M2 FAN | 355 | 315.0 | 315.0 | 315 | 250 | 75 | 23.0 | 4.2 | 2000 | | |
| IE3-W42R 355 MX2 | IE3-Y42R 355 MX2 | IE3-W42R 355 MX2 FAN | IE3-Y42R 355 MX2 FAN | 400 | 355.0 | 355.0 | 355 | 315 | *** | *** | 5.5 | 2200 | | |
| IE3-W42R 355 L2 | IE3-Y42R 355 L2 | IE3-W42R 355 L2 FAN | IE3-Y42R 355 L2 FAN | 500 | 400.0 | 400.0 | 400 | 355 | *** | *** | 7.1 | 2445 | | |
| IE3-W42R 400 M2 | IE3-Y42R 400 M2 | IE3-W42R 400 M2 FAN | IE3-Y42R 400 M2 FAN | 560 | 500.0 | 500.0 | 500 | 400 | *** | *** | 8.44 | 3000 | | |
| IE3-W42R 400 MX2 | IE3-Y42R 400 MX2 | IE3-W42R 400 MX2 FAN | IE3-Y42R 400 MX2 FAN | 630 | 560.0 | 560.0 | 560 | 500 | *** | *** | 9.41 | 3200 | | |
| IE3-W42R 400 L2 | IE3-Y42R 400 L2 | IE3-W42R 400 L2 FAN | IE3-Y42R 400 L2 FAN | 710 | 630.0 | 630.0 | 630 | 560 | *** | *** | 10.41 | 3450 | | |
| Synchronous speed 1500 rpm – 4-pole version | | | | | | | | | | | | | | |
| IE3-W41R 132 S4 | IE3-Y41R 132 S4 | IE3-W41R 132 S4 FAN | IE3-Y41R 132 S4 FAN | 5.5 | 4.0 | 4.0 | 4 | 3 | 6 | 12.5 | 0.035 | 90 | | |
| IE3-W41R 132 M4 | IE3-Y41R 132 M4 | IE3-W41R 132 M4 FAN | IE3-Y41R 132 M4 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 6 | 12.5 | 0.043 | 100 | | |
| IE3-W41R 160 M4 | IE3-Y41R 160 M4 | IE3-W41R 160 M4 FAN | IE3-Y41R 160 M4 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 10 | 12.5 | 0.078 | 125 | | |
| IE3-W41R 160 L4C | IE3-Y41R 160 L4C | IE3-W41R 160 L4C FAN | IE3-Y41R 160 L4C FAN | 15 | 11.0 | 11.0 | 11 | 7.5 | 10 | 13.5 | 0.1567 | 175 | | |
| IE3-W41R 180 M4 | IE3-Y41R 180 M4 | IE3-W41R 180 M4 FAN | IE3-Y41R 180 M4 FAN | 18.5 | 15.0 | 15.0 | 15 | 11 | 11 | 14.0 | 0.168 | 210 | | |
| IE3-W41R 180 L4 | IE3-Y41R 180 L4 | IE3-W41R 180 L4 FAN | IE3-Y41R 180 L4 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 11 | 14.0 | 0.203 | 240 | | |
| IE3-W41R 200 L4C | IE3-Y41R 200 L4C | IE3-W41R 200 L4C FAN | IE3-Y41R 200 L4C FAN | 30 | 22.0 | 22.0 | 22 | 18.5 | 15 | 14.5 | 0.411 | 327 | | |
| IE3-W41R 225 S4C | IE3-Y41R 225 S4C | IE3-W41R 225 S4C FAN | IE3-Y41R 225 S4C FAN | 37 | 30.0 | 30.0 | 30 | 22 | 15 | 14.5 | 0.4675 | 367 | | |
| IE3-W41R 225 M4 | IE3-Y41R 225 M4 | IE3-W41R 225 M4 FAN | IE3-Y41R 225 M4 FAN | 45 | 37.0 | 37.0 | 37 | 30 | 21 | 15.0 | 0.619 | 450 | | |
| IE3-W41R 250 M4 | IE3-Y41R 250 M4 | IE3-W41R 250 M4 FAN | IE3-Y41R 250 M4 FAN | 55 | 45.0 | 45.0 | 45 | 37 | 32 | 20.0 | 0.95 | 550 | | |
| IE3-W41R 280 S4 | IE3-Y41R 280 S4 | IE3-W41R 280 S4 FAN | IE3-Y41R 280 S4 FAN | 75 | 55.0 | 55.0 | 55 | 45 | 32 | 20.0 | 1.1 | 617 | | |
| IE3-W41R 280 M4 | IE3-Y41R 280 M4 | IE3-W41R 280 M4 FAN | IE3-Y41R 280 M4 FAN | 90 | 75.0 | 75.0 | 75 | 55 | 45 | 20.0 | 1.96 | 785 | | |
| IE3-W41R 315 S4 | IE3-Y41R 315 S4 | IE3-W41R 315 S4 FAN | IE3-Y41R 315 S4 FAN | 110 | 90.0 | 90.0 | 90 | 75 | 45 | 20 | 1.96 | 760 | | |
| IE3-W41R 315 M4 | IE3-Y41R 315 M4 | IE3-W41R 315 M4 FAN | IE3-Y41R 315 M4 FAN | 132 | 110.0 | 110.0 | 110 | 90 | 45 | 20 | 2.27 | 850 | | |
| IE3-W41R 315 MX4 | IE3-Y41R 315 MX4 | IE3-W41R 315 MX4 FAN | IE3-Y41R 315 MX4 FAN | 160 | 132.0 | 132.0 | 132 | 110 | 45 | 20 | 2.73 | 975 | | |
| IE3-W41R 315 MY4 | IE3-Y41R 315 MY4 | IE3-W41R 315 MY4 FAN | IE3-Y41R 315 MY4 FAN | 160 | 160.0 | 160.0 | 160 | 132 | 45 | 20 | 4.01 | 1120 | | |
| IE3-W41R 315 MY4 | IE3-Y41R 315 MY4 | IE3-W41R 315 MY4 FAN | IE3-Y41R 315 MY4 FAN | 200 | 160.0 | 160.0 | 160 | 160 | 45 | 20 | 4.82 | 1250 | | |
| IE3-W41R 315 L4 | IE3-Y41R 315 L4 | IE3-W41R 315 L4 FAN | IE3-Y41R 315 L4 FAN | 250 | 200.0 | 200.0 | 200 | 160 | 45 | 20 | 5.93 | 1450 | | |
| IE3-W41R 315 LX4 | IE3-Y41R 315 LX4 | IE3-W41R 315 LX4 FAN | IE3-Y41R 315 LX4 FAN | 315 | 250.0 | 250.0 | 250 | 200 | 45 | 20 | 6.82 | 1630 | | |
| IE3-W41R 355 M 4 | IE3-Y41R 355M 4 | IE3-W41R 355M 4 FAN | IE3-Y41R 355M 4 FAN | 355 | 315.0 | 315.0 | 315 | 250 | 72 | 20.0 | 7.9 | 2150 | | |
| IE3-W42R 355 MX4 | IE3-Y42R 355 MX4 | IE3-W42R 355 MX4 FAN | IE3-Y42R 355 MX4 FAN | 400 | 355.0 | 355.0 | 355 | 315 | *** | *** | 9.5 | 2400 | | |
| IE3-W42R 355 L4 | IE3-Y42R 355 L4 | IE3-W42R 355 L4 FAN | IE3-Y42R 355 L4 FAN | 500 | 400.0 | 400.0 | 400 | 355 | *** | *** | 10 | 2500 | | |
| IE3-W42R 400 M4 | IE3-Y42R 400 M4 | IE3-W42R 400 M4 FAN | IE3-Y42R 400 M4 FAN | 560 | 500.0 | 500.0 | 500 | 400 | *** | *** | 12.6 | 2900 | | |
| IE3-W42R 400 MX4 | IE3-Y42R 400 MX4 | IE3-W42R 400 MX4 FAN | IE3-Y42R 400 MX4 FAN | 630 | 560.0 | 560.0 | 560 | 500 | *** | *** | 14.33 | 3100 | | |
| IE3-W42R 400 L4 | IE3-Y42R 400 L4 | IE3-W42R 400 L4 FAN | IE3-Y42R 400 L4 FAN | 710 | 630.0 | 630.0 | 630 | 560 | *** | *** | 16.29 | 3400 | | |

*** upon request

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Premium Efficiency IE3

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| | | | | Class | | Thermal stress | | VEM code | | | | | | |
|---|-------------------|-----------------------|-----------------------|-----------------------|--|------------------|------------------|------------------|---------------------|------------------|------------------|------|--|--|
| | | | | F ₂₀₀ (60) | F ₂₀₀ + F ₂₅₀ (60) | F ₃₀₀ | F ₃₀₀ | F ₃₀₀ | F ₃₀₀ | F ₄₀₀ | | | | |
| | | | | 1h/200 °C | 2h/200 °C + 1h/250 °C | 1h/300 °C | 2h/300 °C | 2h/300 °C | 2h/400 °C | | | | | |
| | | | | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | | | | | | |
| Type designation | | | | Rated output | | | | | Cooling air | | | | | |
| Cooling IC 411 | Cooling IC 411 | Cooling IC 418 | Cooling IC 418 | P _B | P _B | P _B | P _B | P _B | Q | v | J | m | | |
| T-box at D-end | T-box at N-end | T-box at D-end | T-box at N-end | kW | kW | kW | kW | kW | m ³ /min | ms ⁻¹ | kgm ² | kg | | |
| Synchronous speed 1000 rpm – 6-pole version | | | | | | | | | | | | | | |
| IE3-W41R 132 M6 | IE3-Y41R 132 M6 | IE3-W41R 132 M6 FAN | IE3-Y41R 132 M6 FAN | 4 | 3.0 | 3.0 | 3 | 2.2 | 4 | 9.5 | 0.043 | 75 | | |
| IE3-W41R 132 MX6 | IE3-Y41R 132 MX6 | IE3-W41R 132 MX6 FAN | IE3-Y41R 132 MX6 FAN | 5.5 | 4.0 | 4.0 | 4 | 3 | 4 | 10.5 | 0.053 | 105 | | |
| IE3-W41R 160 M6 | IE3-Y41R 160 M6 | IE3-W41R 160 M6 FAN | IE3-Y41R 160 M6 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 5 | 11.0 | 0.145 | 145 | | |
| IE3-W41R 160 L6C | IE3-Y41R 160 L6C | IE3-W41R 160 L6C FAN | IE3-Y41R 160 L6C FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 5 | 11.0 | 0.166 | 168 | | |
| IE3-W41R 180 L6C | IE3-Y41R 180 L6C | IE3-W41R 180 L6C FAN | IE3-Y41R 180 L6C FAN | 15 | 11.0 | 11.0 | 11 | 7.5 | 8 | 11.5 | 0.3396 | 214 | | |
| IE3-W41R 200 L6 | IE3-Y41R 200 L6 | IE3-W41R 200 L6 FAN | IE3-Y41R 200 L6 FAN | 18.5 | 15.0 | 15.0 | 15 | 11 | 10 | 12.0 | 0.514 | 310 | | |
| IE3-W41R 200 LX6C | IE3-Y41R 200 LX6C | IE3-W41R 200 LX6C FAN | IE3-Y41R 200 LX6C FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 10 | 12.0 | 0.6476 | 321 | | |
| IE3-W41R 225 M6 | IE3-Y41R 225 M6 | IE3-W41R 225 M6 FAN | IE3-Y41R 225 M6 FAN | 30 | 22.0 | 22.0 | 22 | 18.5 | 14 | 12.5 | 0.92 | 400 | | |
| IE3-W41R 250 M6 | IE3-Y41R 250 M6 | IE3-W41R 250 M6 FAN | IE3-Y41R 250 M6 FAN | 37 | 30.0 | 30.0 | 30 | 22 | 21 | 15.0 | 1.48 | 545 | | |
| IE3-W41R 280 S6 | IE3-Y41R 280 S6 | IE3-W41R 280 S6 FAN | IE3-Y41R 280 S6 FAN | 45 | 37.0 | 37.0 | 37 | 30 | 30 | 20.0 | 2.63 | 695 | | |
| IE3-W41R 280 M6 | IE3-Y41R 280 M6 | IE3-W41R 280 M6 FAN | IE3-Y41R 280 M6 FAN | 55 | 45.0 | 45.0 | 45 | 37 | 30 | 20.0 | 3.33 | 815 | | |
| IE3-W41R 315 S6 | IE3-Y41R 315 S6 | IE3-W41R 315 S6 FAN | IE3-Y41R 315 S6 FAN | 75 | 55.0 | 55.0 | 55 | 45 | 30 | 20.0 | 3.6 | 910 | | |
| IE3-W41R 315 S6 | IE3-Y41R 315 S6 | IE3-W41R 315 S6 FAN | IE3-Y41R 315 S6 FAN | 75 | 75.0 | 75.0 | 75 | 55 | 30 | 20.0 | 5.55 | 1060 | | |
| IE3-W41R 315 M6 | IE3-Y41R 315 M6 | IE3-W41R 315 M6 FAN | IE3-Y41R 315 M6 FAN | 90 | 75.0 | 75.0 | 75 | 75 | 30 | 20.0 | 6 | 1100 | | |
| IE3-W41R 315 MX6 | IE3-Y41R 315 MX6 | IE3-W41R 315 MX6 FAN | IE3-Y41R 315 MX6 FAN | 110 | 90.0 | 90.0 | 90 | 75 | 30 | 20.0 | 6.67 | 1210 | | |
| IE3-W41R 315 L6 | IE3-Y41R 315 L6 | IE3-W41R 315 L6 FAN | IE3-Y41R 315 L6 FAN | 132 | 110.0 | 110.0 | 110 | 90 | 30 | 20.0 | 8.6 | 1550 | | |
| IE3-W41R 355 M6 | IE3-Y41R 355 M6 | IE3-W41R 355 M6 FAN | IE3-Y41R 355 M6 FAN | 160 | 132.0 | 132.0 | 132 | 110 | 54 | 20.0 | 8.2 | 1850 | | |
| IE3-W41R 355 MX6 | IE3-Y41R 355 MX6 | IE3-W41R 355 MX6 FAN | IE3-Y41R 355 MX6 FAN | 200 | 160.0 | 160.0 | 160 | 132 | 54 | 20.0 | 12.1 | 2200 | | |
| IE3-W42R 355 MX6 | IE3-Y42R 355 MX6 | IE3-W42R 355 MX6 FAN | IE3-Y42R 355 MX6 FAN | 200 | 200.0 | 200.0 | 200 | 160 | 54 | 20.0 | 12.1 | 2350 | | |
| IE3-W42R 355 L6 | IE3-Y42R 355 L6 | IE3-W42R 355 L6 FAN | IE3-Y42R 355 L6 FAN | 250 | 200.0 | 200.0 | 200 | 200 | 54 | 20.0 | 14 | 2400 | | |
| IE3-W42R 355 LX6 | IE3-Y42R 355 LX6 | IE3-W42R 355 LX6 FAN | IE3-Y42R 355 LX6 FAN | 315 | 250.0 | 250.0 | 250 | 200 | 54 | 20.0 | 14 | 2400 | | |
| IE3-W42R 400 MY6 | IE3-Y42R 400 MY6 | IE3-W42R 400 MY6 FAN | IE3-Y42R 400 MY6 FAN | 355 | 315.0 | 315.0 | 315 | 250 | *** | *** | 16.54 | 2900 | | |
| IE3-W42R 400 M6 | IE3-Y42R 400 M6 | IE3-W42R 400 M6 FAN | IE3-Y42R 400 M6 FAN | 400 | 355.0 | 355.0 | 355 | 315 | *** | *** | 16.54 | 2900 | | |
| IE3-W42R 400 MX6 | IE3-Y42R 400 MX6 | IE3-W42R 400 MX6 FAN | IE3-Y42R 400 MX6 FAN | 450 | 400.0 | 400.0 | 400 | 355 | *** | *** | 18.44 | 3100 | | |
| IE3-W42R 400 L6 | IE3-Y42R 400 L6 | IE3-W42R 400 L6 FAN | IE3-Y42R 400 L6 FAN | 500 | 450.0 | 450.0 | 450 | 400 | *** | *** | 20.63 | 3400 | | |

| | | | | | | | | | | | | |
|--|------------------|----------------------|----------------------|------|-------|-------|------|------|-----|------|-------|------|
| Synchronous speed 750 rpm – 8-pole version | | | | | | | | | | | | |
| IE3-W41R 132 M8 | IE3-Y41R 132 M8 | IE3-W41R 132 M8 FAN | IE3-Y41R 132 M8 FAN | 3 | 2.2 | 2.2 | 2.2 | 1.5 | 3 | 8.5 | 0.043 | 74 |
| IE3-W41R 160 M8 | IE3-Y41R 160 M8 | IE3-W41R 160 M8 FAN | IE3-Y41R 160 M8 FAN | 4 | 3.0 | 3.0 | 3 | 2.2 | 3 | 8.5 | 0.113 | 114 |
| IE3-W41R 160 MX8 | IE3-Y41R 160 MX8 | IE3-W41R 160 MX8 FAN | IE3-Y41R 160 MX8 FAN | 5.5 | 4.0 | 4.0 | 4 | 3 | 4 | 9.0 | 0.145 | 143 |
| IE3-W41R 160 L8 | IE3-Y41R 160 L8 | IE3-W41R 160 L8 FAN | IE3-Y41R 160 L8 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 4 | 9.0 | 0.166 | 155 |
| IE3-W41R 180 L8 | IE3-Y41R 180 L8 | IE3-W41R 180 L8 FAN | IE3-Y41R 180 L8 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 8 | 9.5 | 0.228 | 175 |
| IE3-W41R 200 L8 | IE3-Y41R 200 L8 | IE3-W41R 200 L8 FAN | IE3-Y41R 200 L8 FAN | 15 | 11.0 | 11.0 | 11 | 7.5 | 8 | 9.5 | 0.324 | 235 |
| IE3-W41R 225 S8 | IE3-Y41R 225 S8 | IE3-W41R 225 S8 FAN | IE3-Y41R 225 S8 FAN | 18.5 | 15.0 | 15.0 | 15 | 11 | 11 | 10.0 | 0.514 | 310 |
| IE3-W41R 225 M8 | IE3-Y41R 225 M8 | IE3-W41R 225 M8 FAN | IE3-Y41R 225 M8 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 16 | 10.5 | 0.825 | 360 |
| IE3-W41R 250 M8 | IE3-Y41R 250 M8 | IE3-W41R 250 M8 FAN | IE3-Y41R 250 M8 FAN | 30 | 22.0 | 22.0 | 22 | 18.5 | 16 | 15.0 | 0.92 | 400 |
| IE3-W41R 280 S8 | IE3-Y41R 280 S8 | IE3-W41R 280 S8 FAN | IE3-Y41R 280 S8 FAN | 37 | 30.0 | 30.0 | 30 | 22 | 21 | 15.0 | 1.55 | 520 |
| IE3-W41R 280 M8 | IE3-Y41R 280 M8 | IE3-W41R 280 M8 FAN | IE3-Y41R 280 M8 FAN | 45 | 37.0 | 37.0 | 37 | 30 | 21 | 15.0 | 2.63 | 700 |
| IE3-W41R 315 S8 | IE3-Y41R 315 S8 | IE3-W41R 315 S8 FAN | IE3-Y41R 315 S8 FAN | 55 | 45.0 | 45.0 | 45 | 37 | | | | |
| IE3-W41R 315 S8 | IE3-Y41R 315 S8 | IE3-W41R 315 S8 FAN | IE3-Y41R 315 S8 FAN | 55 | 55.0 | 55.0 | 55 | 45 | 21 | 15.0 | 3.33 | 800 |
| IE3-W41R 315 M8 | IE3-Y41R 315 M8 | IE3-W41R 315 M8 FAN | IE3-Y41R 315 M8 FAN | 75 | 55.0 | 55.0 | 55 | 55 | 21 | 15.0 | 5.55 | 1060 |
| IE3-W41R 315 MX8 | IE3-Y41R 315 MX8 | IE3-W41R 315 MX8 FAN | IE3-Y41R 315 MX8 FAN | 90 | 75.0 | 75.0 | 75 | 55 | 21 | 15.0 | 6 | 1100 |
| IE3-W41R 315 L8 | IE3-Y41R 315 L8 | IE3-W41R 315 L8 FAN | IE3-Y41R 315 L8 FAN | 110 | 90.0 | 90.0 | 90 | 75 | 21 | 15.0 | 8.71 | 1450 |
| IE3-W41R 355 M8 | IE3-Y41R 355 M8 | IE3-W41R 355 M8 FAN | IE3-Y41R 355 M8 FAN | 132 | 110.0 | 110.0 | 110 | 90 | 40 | 15 | 9.5 | 1890 |
| IE3-W42R 355 MX8 | IE3-Y42R 355 MX8 | IE3-W42R 355 MX8 FAN | IE3-Y42R 355 MX8 FAN | 160 | 132.0 | 132.0 | 132 | 110 | 40 | 15 | 13.4 | 2200 |
| IE3-W42R 355 L8 | IE3-Y42R 355 L8 | IE3-W42R 355 L8 FAN | IE3-Y42R 355 L8 FAN | 200 | 160.0 | 160.0 | 160 | 132 | 40 | 15 | 15.8 | 2400 |
| IE3-W42R 355 LX8 | IE3-Y42R 355 LX8 | IE3-W42R 355 LX8 FAN | IE3-Y42R 355 LX8 FAN | 250 | 200.0 | 200.0 | 200 | 160 | 40 | 15 | 15.8 | 2400 |
| IE3-W42R 400 MY8 | IE3-Y42R 400 MY8 | IE3-W42R 400 MY8 FAN | IE3-Y42R 400 MY8 FAN | 315 | 250.0 | 250.0 | 250 | 200 | *** | *** | 17.94 | 2800 |
| IE3-W42R 400 M8 | IE3-Y42R 400 M8 | IE3-W42R 400 M8 FAN | IE3-Y42R 400 M8 FAN | 355 | 315.0 | 315.0 | 315 | 250 | *** | *** | 17.94 | 2900 |
| IE3-W42R 400 MX8 | IE3-Y42R 400 MX8 | IE3-W42R 400 MX8 FAN | IE3-Y42R 400 MX8 FAN | 400 | 355.0 | 355.0 | 355 | 315 | *** | *** | 19.99 | 3100 |
| IE3-W42R 400 L8 | IE3-Y42R 400 L8 | IE3-W42R 400 L8 FAN | IE3-Y42R 400 L8 FAN | 450 | 400.0 | 400.0 | 400 | 355 | *** | *** | 22.34 | 3400 |

***) upon request

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class High Efficiency IE2

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| Type designation | | | | Class | | | | | | Cooling air | | | | | | | |
|---|------------------|----------------------|----------------------|----------------|----------------|-----------------------|----------------|------------------|----------------|------------------|----------------|----------------|----------------|---|---|---|---|
| | | | | Thermal stress | | F ₂₀₀ (60) | | F ₃₀₀ | | F ₄₀₀ | | Q | v | J | m | | |
| VEM code | | | | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | P _B | P _B | P _B | P _B | P _B | Q | v | J | m |
| Rated output | | | | P _B | P _B | P _B | P _B | P _B | P _B | P _B | P _B | P _B | P _B | Q | v | J | m |
| Cooling IC 411 | | | | Cooling IC 411 | Cooling IC 418 | Cooling IC 418 | Rated output | | Cooling air | | | | | | | | |
| T-box at D-end | | | | T-box at N-end | T-box at D-end | T-box at N-end | P _B | P _B | P _B | P _B | P _B | P _B | P _B | Q | v | J | m |
| Synchronous speed 3000 rpm – 2-pole version | | | | | | | | | | | | | | | | | |
| IE2-WE1R 132 SX2 | IE2-YE1R 132 SX2 | IE2-WE1R 132 SX2 FAN | IE2-YE1R 132 SX2 FAN | 7.5 | 7.5 | 5.5 | 5.5 | 4 | 7 | 19 | 0.0168 | 75 | | | | | |
| IE2-WE1R 160 M2 | IE2-YE1R 160 M2 | IE2-WE1R 160 M2 FAN | IE2-YE1R 160 M2 FAN | 11 | 11.0 | 7.5 | 7.5 | 5.5 | 12 | 19 | 0.0258 | 125 | | | | | |
| IE2-WE1R 160 MX2 | IE2-YE1R 160 MX2 | IE2-WE1R 160 MX2 FAN | IE2-YE1R 160 MX2 FAN | 15 | 15.0 | 11.0 | 11 | 7.5 | 12 | 19 | 0.0675 | 140 | | | | | |
| IE2-WE1R 160 L2 | IE2-YE1R 160 L2 | IE2-WE1R 160 L2 FAN | IE2-YE1R 160 L2 FAN | 18.5 | 18.5 | 15.0 | 15 | 11 | 12 | 19 | 0.0675 | 140 | | | | | |
| IE2-WE1R 180 M2 | IE2-YE1R 180 M2 | IE2-WE1R 180 M2 FAN | IE2-YE1R 180 M2 FAN | 22 | 22.0 | 18.5 | 18.5 | 15 | 14 | 20 | 0.105 | 173 | | | | | |
| IE2-WE1R 200 L2 | IE2-YE1R 200 L2 | IE2-WE1R 200 L2 FAN | IE2-YE1R 200 L2 FAN | 30 | 30.0 | 22.0 | 22 | 22 | 14 | 20 | 0.128 | 210 | | | | | |
| IE2-WE1R 200 LX2 | IE2-YE1R 200 LX2 | IE2-WE1R 200 LX2 FAN | IE2-YE1R 200 LX2 FAN | 37 | 37.0 | 30.0 | 30 | 30 | 14 | 20 | 0.154 | 233 | | | | | |
| IE2-WE1R 225 M2 | IE2-YE1R 225 M2 | IE2-WE1R 225 M2 FAN | IE2-YE1R 225 M2 FAN | 45 | 45.0 | 37.0 | 37 | 37 | 16 | 21 | 0.360 | 295 | | | | | |
| IE2-WE1R 250 M2 | IE2-YE1R 250 M2 | IE2-WE1R 250 M2 FAN | IE2-YE1R 250 M2 FAN | 55 | 55.0 | 45.0 | 45 | 45 | 22 | 23 | 0.375 | 385 | | | | | |
| IE2-WE1R 280 S2 | IE2-YE1R 280 S2 | IE2-WE1R 280 S2 FAN | IE2-YE1R 280 S2 FAN | 75 | 75.0 | 55.0 | 55 | 55 | 25 | 23 | 0.65 | 510 | | | | | |
| IE2-WE1R 280 M2 | IE2-YE1R 280 M2 | IE2-WE1R 280 M2 FAN | IE2-YE1R 280 M2 FAN | 90 | 90.0 | 75.0 | 75 | 75 | 25 | 23 | 0.68 | 550 | | | | | |
| IE2-WE1R 315 S2 | IE2-YE1R 315 S2 | IE2-WE1R 315 S2 FAN | IE2-YE1R 315 S2 FAN | 110 | 110.0 | 90.0 | 90 | 90 | 27 | 23 | 1.21 | 730 | | | | | |
| IE2-WE1R 315 M2 | IE2-YE1R 315 M2 | IE2-WE1R 315 M2 FAN | IE2-YE1R 315 M2 FAN | 132 | 132.0 | 110.0 | 110 | 110 | 27 | 23 | 1.44 | 820 | | | | | |
| IE2-WE1R 315 MX2 | IE2-YE1R 315 MX2 | IE2-WE1R 315 MX2 FAN | IE2-YE1R 315 MX2 FAN | 160 | 160.0 | 132.0 | 132 | 132 | 27 | 23 | 1.76 | 955 | | | | | |
| IE2-WE1R 315 MY2 | IE2-YE1R 315 MY2 | IE2-WE1R 315 MY2 FAN | IE2-YE1R 315 MY2 FAN | 200 | 200.0 | 160.0 | 160 | 160 | 27 | 23 | 2.82 | 1200 | | | | | |
| IE2-WE1R 315 L2 | IE2-YE1R 315 L2 | IE2-WE1R 315 L2 FAN | IE2-YE1R 315 L2 FAN | 250 | 250.0 | 200.0 | 200 | 200 | 27 | 23 | 3.66 | 1450 | | | | | |
| IE2-WE1R 315 LX2 | IE2-YE1R 315 LX2 | IE2-WE1R 315 LX2 FAN | IE2-YE1R 315 LX2 FAN | 315 | 315.0 | 250.0 | 250 | 250 | 27 | 23 | 4.43 | 1700 | | | | | |
| IE2-WE2R 355 M2 | IE2-YE2R 355 M2 | IE2-WE2R 355 M2 FAN | IE2-YE2R 355 M2 FAN | 355 | 355.0 | 355.0 | 300 | 300 | 75 | 23 | 4.20 | 2000 | | | | | |
| IE2-WE2R 355 MX2 | YE2R 355 MX2 | IE2-WE2R 355 MX2 FAN | IE2-YE2R 355 MX2 FAN | 400 | 400.0 | 400.0 | 340 | 340 | 75 | 23 | 4.50 | 2200 | | | | | |
| IE2-WE2R 355 L2 | YE2R 355 L2 | IE2-WE2R 355 L2 FAN | IE2-YE2R 355 L2 FAN | 450 | 450.0 | 450.0 | 420 | 420 | 75 | 23 | 7.10 | 2400 | | | | | |
| Synchronous speed 1500 rpm – 4-pole version | | | | | | | | | | | | | | | | | |
| IE2-WE1R 132 M4 | IE2-YE1R 132 M4 | IE2-WE1R 132 M4 FAN | IE2-YE1R 132 M4 FAN | 7.5 | 7.5 | 5.5 | 5.5 | 4 | 5.5 | 12.5 | 0.035 | 88 | | | | | |
| IE2-WE1R 160 M4 | IE2-YE1R 160 M4 | IE2-WE1R 160 M4 FAN | IE2-YE1R 160 M4 FAN | 11.0 | 11.0 | 7.5 | 7.5 | 5.5 | 10 | 13.5 | 0.078 | 122 | | | | | |
| IE2-WE1R 160 L4 | IE2-YE1R 160 L4 | IE2-WE1R 160 L4 FAN | IE2-YE1R 160 L4 FAN | 15.0 | 15.0 | 11.0 | 11 | 7.5 | 10 | 13.5 | 0.115 | 160 | | | | | |
| IE2-WE1R 180 M4 | IE2-YE1R 180 M4 | IE2-WE1R 180 M4 FAN | IE2-YE1R 180 M4 FAN | 18.5 | 18.5 | 15.0 | 15 | 11 | 11 | 14 | 0.168 | 207 | | | | | |
| IE2-WE1R 180 L4 | IE2-YE1R 180 L4 | IE2-WE1R 180 L4 FAN | IE2-YE1R 180 L4 FAN | 22 | 22.0 | 18.5 | 18.5 | 15 | 11 | 14 | 0.168 | 215 | | | | | |
| IE2-WE1R 200 L4 | IE2-YE1R 200 L4 | IE2-WE1R 200 L4 FAN | IE2-YE1R 200 L4 FAN | 30 | 30.0 | 22.0 | 22 | 18.5 | 15 | 14.5 | 0.275 | 277 | | | | | |
| IE2-WE1R 225 S4 | IE2-YE1R 225 S4 | IE2-WE1R 225 S4 FAN | IE2-YE1R 225 S4 FAN | 37 | 37.0 | 30.0 | 30 | 30 | 15 | 14.5 | 0.313 | 313 | | | | | |
| IE2-WE1R 225 M4 | IE2-YE1R 225 M4 | IE2-WE1R 225 M4 FAN | IE2-YE1R 225 M4 FAN | 45 | 45.0 | 37.0 | 37 | 37 | 21 | 15 | 0.525 | 390 | | | | | |
| IE2-WE1R 250 M4 | IE2-YE1R 250 M4 | IE2-WE1R 250 M4 FAN | IE2-YE1R 250 M4 FAN | 55 | 55.0 | 45.0 | 45 | 45 | | | 0.95 | 535 | | | | | |
| IE2-WE1R 280 S4 | IE2-YE1R 280 S4 | IE2-WE1R 280 S4 FAN | IE2-YE1R 280 S4 FAN | 75 | 75.0 | 55.0 | 55 | 55 | 32 | 20 | 0.95 | 550 | | | | | |
| IE2-WE1R 280 M4 | IE2-YE1R 280 M4 | IE2-WE1R 280 M4 FAN | IE2-YE1R 280 M4 FAN | 90 | 90.0 | 75.0 | 75 | 75 | 32 | 20 | 1.10 | 610 | | | | | |
| IE2-WE1R 315 S4 | IE2-YE1R 315 S4 | IE2-W21R 315 S4 FAN | IE2-YE1R 315 S4 FAN | 110 | 110.0 | 90.0 | 90 | 90 | 45 | 20 | 1.96 | 760 | | | | | |
| IE2-WE1R 315 M4 | IE2-YE1R 315 M4 | IE2-W21R 315 M4 FAN | IE2-YE1R 315 M4 FAN | 132 | 132.0 | 110.0 | 110 | 110 | 45 | 20 | 2.27 | 850 | | | | | |
| IE2-WE1R 315 MX4 | IE2-YE1R 315 MX4 | IE2-W21R 315 MX4 FAN | IE2-YE1R 315 MX4 FAN | 160 | 160.0 | 132.0 | 132 | 132 | 45 | 20 | 2.73 | 975 | | | | | |
| IE2-WE1R 315 MY4 | IE2-YE1R 315 MY4 | IE2-W21R 315 MY4 FAN | IE2-YE1R 315 MY4 FAN | 200 | 200.0 | 160.0 | 160 | 160 | 45 | 20 | 4.82 | 1270 | | | | | |
| IE2-WE1R 315 L4 | IE2-YE1R 315 L4 | IE2-W21R 315 L4 FAN | IE2-YE1R 315 L4 FAN | 250 | 250.0 | 200.0 | 200 | 200 | 45 | 20 | 5.93 | 1450 | | | | | |
| IE2-WE1R 315 LX4 | IE2-YE1R 315 LX4 | IE2-W21R 315 LX4 FAN | IE2-YE1R 315 LX4 FAN | 315 | 315.0 | 250.0 | 250 | 250 | 45 | 20 | 6.82 | 1630 | | | | | |
| IE2-WE2R 355 M4 | IE2-YE2R 355 M4 | IE2-WE2R 355 M4 FAN | IE2-YE2R 355 M4 FAN | 355 | 355.0 | 355.0 | 340 | 300 | 72 | 20 | 7.90 | 2150 | | | | | |
| IE2-WE2R 355 MX4 | YE2R 355 MX4 | IE2-WE2R 355 MX4 FAN | IE2-YE2R 355 MX4 FAN | 400 | 400.0 | 400.0 | 380 | 340 | 72 | 20 | 9.50 | 2400 | | | | | |
| IE2-WE2R 355 LY4 | YE2R 355 LY4 | IE2-WE2R 355 LY4 FAN | IE2-YE2R 355 LY4 FAN | | | | | 380 | 81 | 20 | 10.00 | 2500 | | | | | |
| IE2-WE2R 355 L4 | YE2R 355 L4 | IE2-WE2R 355 L4 FAN | IE2-YE2R 355 L4 FAN | 450 | 450.0 | 450.0 | 420 | 420 | 81 | 20 | 10.00 | 2500 | | | | | |

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class High Efficiency IE2

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| | | | | Class | | Thermal stress | | | | | | | |
|---|------------------|----------------------|----------------------|---------------|-----------|-----------------------|-----------|-----------|---------------------|------------------|------------------|------|--|
| | | | | $F_{200(60)}$ | F_{300} | $F_{200+1h/250}$ | F_{300} | F_{300} | F_{300} | | | | |
| | | | | 1h/200 °C | 1h/300 °C | 2h/200 °C + 1h/250 °C | 1h/300 °C | 2h/300 °C | 2h/400 °C | | | | |
| | | | | VEM code | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | | | | |
| Type designation | | | | Rated output | | | | | Cooling air | | | | |
| Cooling IC 411 | | Cooling IC 418 | | P_B | P_B | P_B | P_B | P_B | Q | v | J | m | |
| T-box at D-end | | T-box at N-end | | kW | kW | kW | kW | kW | m ³ /min | ms ⁻¹ | kgm ² | kg | |
| Synchronous speed 1000 rpm – 6-pole version | | | | | | | | | | | | | |
| IE2-WE1R 132 M6 | IE2-YE1R 132 M6 | IE2-WE1R 132 M6 FAN | IE2-YE1R 132 M6 FAN | 4.0 | 4.0 | 3.0 | 3 | 2.2 | 4 | 9.5 | 0.029 | 76 | |
| IE2-WE1R 132 MX6 | IE2-YE1R 132 MX6 | IE2-WE1R 132 MX6 FAN | IE2-YE1R 132 MX6 FAN | 5.5 | 5.5 | 4.0 | 4 | 3 | 4 | 9.5 | 0.113 | 85 | |
| IE2-WE1R 160 M6 | IE2-YE1R 160 M6 | IE2-WE1R 160 M6 FAN | IE2-YE1R 160 M6 FAN | 7.5 | 7.5 | 5.5 | 5.5 | 4 | 5 | 10.5 | 0.066 | 118 | |
| IE2-WE1R 160 L6 | IE2-YE1R 160 L6 | IE2-WE1R 160 L6 FAN | IE2-YE1R 160 L6 FAN | 11.0 | 11.0 | 7.5 | 7.5 | 5.5 | 5 | 10.5 | 0.166 | 135 | |
| IE2-WE1R 180 L6 | IE2-YE1R 180 L6 | IE2-WE1R 180 L6 FAN | IE2-YE1R 180 L6 FAN | 15.0 | 15.0 | 11.0 | 11 | 7.5 | 8 | 11.5 | 0.228 | 185 | |
| IE2-WE1R 200 L6 | IE2-YE1R 200 L6 | IE2-WE1R 200 L6 FAN | IE2-YE1R 200 L6 FAN | 18.5 | 18.5 | 15.0 | 15 | 11 | 8 | 11.5 | 0.268 | 208 | |
| IE2-WE1R 200 LX6 | IE2-YE1R 200 LX6 | IE2-WE1R 200 LX6 FAN | IE2-YE1R 200 LX6 FAN | 22 | 22.0 | 18.5 | 18.5 | 15 | 10 | 12 | 0.443 | 272 | |
| IE2-WE1R 225 M6 | IE2-YE1R 225 M6 | IE2-WE1R 225 M6 FAN | IE2-YE1R 225 M6 FAN | 30 | 30.0 | 22.0 | 22 | 22 | 14 | 12.5 | 0.825 | 365 | |
| IE2-WE1R 250 M6 | IE2-YE1R 250 M6 | IE2-WE1R 250 M6 FAN | IE2-YE1R 250 M6 FAN | 37 | 37.0 | 30.0 | 30 | 30 | 10 | 12 | 1.28 | 485 | |
| IE2-WE1R 280 S6 | IE2-YE1R 280 S6 | IE2-WE1R 280 S6 FAN | IE2-YE1R 280 S6 FAN | 45 | 45.0 | 37.0 | 37 | 37 | 10 | 12 | 1.48 | 560 | |
| IE2-WE1R 280 M6 | IE2-YE1R 280 M6 | IE2-WE1R 280 M6 FAN | IE2-YE1R 280 M6 FAN | 55 | 55.0 | 45.0 | 45 | 45 | 30 | 20 | 2.63 | 710 | |
| IE2-WE1R 315 S6 | IE2-YE1R 315 S6 | IE2-WE1R 315 S6 FAN | IE2-YE1R 315 S6 FAN | 75 | 75.0 | 55.0 | 55 | 55 | 30 | 20 | 3.33 | 804 | |
| IE2-WE1R 315 M6 | IE2-YE1R 315 M6 | IE2-WE1R 315 M6 FAN | IE2-YE1R 315 M6 FAN | 90 | 90.0 | 75.0 | 75 | 75 | 30 | 20 | 3.60 | 865 | |
| IE2-WE1R 315 MX6 | IE2-YE1R 315 MX6 | IE2-WE1R 315 MX6 FAN | IE2-YE1R 315 MX6 FAN | 110 | 110.0 | 90.0 | 90 | 90 | 30 | 20 | 6.67 | 1210 | |
| IE2-WE1R 315 MY6 | IE2-YE1R 315 MY6 | IE2-WE1R 315 MY6 FAN | IE2-YE1R 315 MY6 FAN | 132 | 132.0 | 110.0 | 110 | 110 | 30 | 20 | 6.67 | 1250 | |
| IE2-WE1R 315 L6 | IE2-YE1R 315 L6 | IE2-WE1R 315 L6 FAN | IE2-YE1R 315 L6 FAN | 160 | 160.0 | 132.0 | 132 | 132 | 30 | 20 | 8.60 | 1430 | |
| IE2-WE1R 315 LX6 | IE2-YE1R 315 LX6 | IE2-WE1R 315 LX6 FAN | IE2-YE1R 315 LX6 FAN | 200 | 200.0 | 160.0 | 160 | 160 | 30 | 20 | 8.60 | 1460 | |
| IE2-WE2R 355 M6 | IE2-YE2R 355 M6 | IE2-WE2R 355 M6 FAN | IE2-YE2R 355 M6 FAN | 250 | 250.0 | 200.0 | 200 | 200 | 54 | 20 | 8.20 | 1850 | |
| IE2-WE2R 355 MX6 | IE2-YE2R 355 MX6 | IE2-WE2R 355 MX6 FAN | IE2-YE2R 355 MX6 FAN | 315 | 315.0 | 250.0 | 250 | 250 | 54 | 20 | 12.10 | 2200 | |
| IE2-WE2R 355 LY6 | IE2-YE2R 355 LY6 | IE2-WE2R 355 LY6 FAN | IE2-YE2R 355 LY6 FAN | 355 | 355.0 | 315.0 | 300 | 300 | 54 | 20 | 14.00 | 2400 | |
| Synchronous speed 750 rpm – 8-pole version | | | | | | | | | | | | | |
| IE2-W41R 132 M8 | IE2-Y41R 132 M8 | IE2-W41R 132 M8 FAN | IE2-Y41R 132 M8 FAN | 3 | 2.2 | 2.2 | 2.2 | 1.5 | 3 | 8.5 | 0.043 | 74 | |
| IE2-WE1R 132 M8 | IE2-YE1R 132 M8 | IE2-WE1R 132 M8 FAN | IE2-YE1R 132 M8 FAN | 3.0 | 3.0 | 2.2 | 2.2 | 1.5 | 3 | 8.5 | 0.0430 | 74 | |
| IE2-WE1R 160 M8 | IE2-YE1R 160 M8 | IE2-WE1R 160 M8 FAN | IE2-YE1R 160 M8 FAN | 4.0 | 4.0 | 3.0 | 3 | 2.2 | 3 | 8.5 | 0.0530 | 86 | |
| IE2-WE1R 160 MX8 | IE2-YE1R 160 MX8 | IE2-WE1R 160 MX8 FAN | IE2-YE1R 160 MX8 FAN | 5.5 | 5.5 | 4.0 | 4 | 3 | 4 | 8.5 | 0.1130 | 115 | |
| IE2-WE1R 160 L8 | IE2-YE1R 160 L8 | IE2-WE1R 160 L8 FAN | IE2-YE1R 160 L8 FAN | 7.5 | 7.5 | 5.5 | 5.5 | 4 | 4 | 8.5 | 0.1450 | 136 | |
| IE2-WE1R 180 L8 | IE2-YE1R 180 L8 | IE2-WE1R 180 L8 FAN | IE2-YE1R 180 L8 FAN | 11.0 | 11.0 | 7.5 | 7.5 | 5.5 | 8 | 9.5 | 0.2280 | 175 | |
| IE2-WE1R 200 L8 | IE2-YE1R 200 L8 | IE2-WE1R 200 L8 FAN | IE2-YE1R 200 L8 FAN | 15.0 | 15.0 | 11.0 | 11 | 7.5 | 8 | 9.5 | 0.2680 | 200 | |
| IE2-WE1R 225 S8 | IE2-YE1R 225 S8 | IE2-WE1R 225 S8 FAN | IE2-YE1R 225 S8 FAN | 18.5 | 18.5 | 15.0 | 15 | 11 | 8 | 10 | 0.44 | 265 | |
| IE2-WE1R 225 M8 | IE2-YE1R 225 M8 | IE2-WE1R 225 M8 FAN | IE2-YE1R 225 M8 FAN | 22 | 22.0 | 18.5 | 18.5 | 15 | 16 | 10.5 | 0.83 | 380 | |
| IE2-WE1R 250 M8 | IE2-YE1R 250 M8 | IE2-WE1R 250 M8 FAN | IE2-YE1R 250 M8 FAN | 30 | 30.0 | 22.0 | 22 | 22 | 16 | 15 | 1.35 | 480 | |
| IE2-WE1R 280 S8 | IE2-YE1R 280 S8 | IE2-WE1R 280 S8 FAN | IE2-YE1R 280 S8 FAN | 37 | 37.0 | 30.0 | 30 | 30 | 16 | 15 | 1.55 | 550 | |
| IE2-WE1R 280 M8 | IE2-YE1R 280 M8 | IE2-WE1R 280 M8 FAN | IE2-YE1R 280 M8 FAN | 45 | 45.0 | 37.0 | 37 | 37 | 21 | 15 | 2.63 | 690 | |
| IE2-WE1R 315 S8 | IE2-YE1R 315 S8 | IE2-WE1R 315 S8 FAN | IE2-YE1R 315 S8 FAN | 55 | 55.0 | 45.0 | 45 | 45 | 21 | 15 | 3.33 | 800 | |
| IE2-WE1R 315 M8 | IE2-YE1R 315 M8 | IE2-WE1R 315 M8 FAN | IE2-YE1R 315 M8 FAN | 75 | 75.0 | 55.0 | 55 | 55 | 21 | 15 | 3.6 | 880 | |
| IE2-WE1R 315 MX8 | IE2-YE1R 315 MX8 | IE2-WE1R 315 MX8 FAN | IE2-YE1R 315 MX8 FAN | 90 | 90.0 | 75.0 | 75 | 75 | 21 | 15 | 6 | 1050 | |
| IE2-WE1R 315 MY8 | IE2-YE1R 315 MY8 | IE2-WE1R 315 MY8 FAN | IE2-YE1R 315 MY8 FAN | 110 | 110.0 | 90.0 | 90 | 90 | 21 | 15 | 6.76 | 1250 | |
| IE2-WE1R 315 L8 | IE2-YE1R 315 L8 | IE2-WE1R 315 L8 FAN | IE2-YE1R 315 L8 FAN | 132 | 132.0 | 110.0 | 110 | 110 | 21 | 15 | 8.71 | 1430 | |
| IE2-WE1R 315 LX8 | IE2-YE1R 315 LX8 | IE2-WE1R 315 LX8 FAN | IE2-YE1R 315 LX8 FAN | 160 | 160.0 | 132.0 | 132 | 132 | 21 | 15 | 8.71 | 1430 | |
| IE2-WE2R 355 M8 | IE2-YE2R 355 M8 | IE2-WE2R 355 M8 FAN | IE2-YE2R 355 M8 FAN | 200 | 200.0 | 200.0 | 160 | 160 | 40 | 15 | 9.5 | 1850 | |
| IE2-WE2R 355 MX8 | IE2-YE2R 355 MX8 | IE2-WE2R 355 MX8 FAN | IE2-YE2R 355 MX8 FAN | 250 | 250.0 | 250.0 | 200 | 200 | 40 | 15 | 13.4 | 2200 | |
| IE2-WE2R 355 L8 | IE2-YE2R 355 L8 | IE2-WE2R 355 L8 FAN | IE2-YE2R 355 L8 FAN | 280 | 280.0 | 280.0 | 250 | 250 | 40 | 15 | 15.8 | 2400 | |

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| | | | | Class | | Thermal stress | | | | | | | |
|---|------------------|----------------------|----------------------|-----------------------|--|------------------|------------------|------------------|---------------------|------------------|------------------|------|--|
| | | | | F ₂₀₀ (60) | F ₃₀₀ + F ₂₅₀ (60) | F ₃₀₀ | F ₃₀₀ | F ₄₀₀ | | | | | |
| | | | | 1h/200 °C | 2h/200 °C + 1h/250 °C | 1h/300 °C | 2h/300 °C | 2h/400 °C | | | | | |
| | | | | VEM code | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | | | | |
| Type designation | | | | Rated output | | | | | Cooling air | | | | |
| Cooling IC 411 | Cooling IC 411 | Cooling IC 418 | Cooling IC 418 | P _B | P _B | P _B | P _B | P _B | Q | v | J | m | |
| T-box at D-end | T-box at N-end | T-box at D-end | T-box at N-end | kW | kW | kW | kW | kW | m ³ /min | ms ⁻¹ | kgm ² | kg | |
| Synchronous speed 3000 rpm – 2-pole version | | | | | | | | | | | | | |
| IE1-K11R 160 M2 | IE1-Y11R 160 M2 | IE1-K11R 160 M2 FAN | IE1-Y11R 160 M2 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 7 | 19 | 0.0258 | 81 | |
| IE1-K11R 160 MX2 | IE1-Y11R 160 MX2 | IE1-K11R 160 MX2 FAN | IE1-Y11R 160 MX2 FAN | 15 | 11 | 11 | 11 | 7.5 | 12 | 19 | 0.0575 | 118 | |
| IE1-K11R 160 L2 | IE1-Y11R 160 L2 | IE1-K11R 160 L2 FAN | IE1-Y11R 160 L2 FAN | 18.5 | 15 | 15 | 15 | 11 | 12 | 19 | 0.0675 | 134 | |
| IE1-K11R 180 M2 | IE1-Y11R 180 M2 | IE1-K11R 180 M2 FAN | IE1-Y11R 180 M2 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 14 | 20 | 0.105 | 165 | |
| IE1-K11R 200 L2 | IE1-Y11R 200 L2 | IE1-K11R 200 L2 FAN | IE1-Y11R 200 L2 FAN | 30 | 22 | 22 | 22 | 18.5 | 14 | 21 | 0.128 | 195 | |
| IE1-K11R 200 LX2 | IE1-Y11R 200 LX2 | IE1-K11R 200 LX2 FAN | IE1-Y11R 200 LX2 FAN | 37 | 30 | 30 | 30 | 30 | 16 | 21 | 0.193 | 255 | |
| IE1-K11R 225 M2 | IE1-Y11R 225 M2 | IE1-K11R 225 M2 FAN | IE1-Y11R 225 M2 FAN | 45 | 37 | 37 | 37 | 37 | 16 | 22 | 0.22 | 290 | |
| IE1-K11R 250 M2 | IE1-Y11R 250 M2 | IE1-K11R 250 M2 FAN | IE1-Y11R 250 M2 FAN | 55 | 45 | 45 | 45 | 45 | 22 | 23 | 0.375 | 360 | |
| IE1-K11R 280 S2 | IE1-Y11R 280 S2 | IE1-K11R 280 S2 FAN | IE1-Y11R 280 S2 FAN | 75 | 55 | 55 | 55 | 55 | 25 | 23 | 0.65 | 490 | |
| IE1-K11R 280 M2 | IE1-Y11R 280 M2 | IE1-K11R 280 M2 FAN | IE1-Y11R 280 M2 FAN | 90 | 75 | 75 | 75 | 75 | 25 | 23 | 0.675 | 510 | |
| IE1-K11R 315 S2 | IE1-Y11R 315 S2 | IE1-K11R 315 S2 FAN | IE1-Y11R 315 S2 FAN | 110 | 90 | 90 | 90 | 90 | 27 | 23 | 1.21 | 720 | |
| IE1-K11R 315 M2 | IE1-Y11R 315 M2 | IE1-K11R 315 M2 FAN | IE1-Y11R 315 M2 FAN | 132 | 110 | 110 | 110 | 110 | 27 | 23 | 1.44 | 800 | |
| IE1-K11R 315 MX2 | IE1-Y11R 315 MX2 | IE1-K11R 315 MX2 FAN | IE1-Y11R 315 MX2 FAN | 160 | 132 | 132 | 132 | 132 | 27 | 23 | 1.76 | 980 | |
| IE1-K11R 315 MY2 | IE1-Y11R 315 MY2 | IE1-K11R 315 MY2 FAN | IE1-Y11R 315 MY2 FAN | 200 | 160 | 160 | 160 | 160 | 27 | 23 | 2.82 | 1170 | |
| IE1-K11R 315 L2 | IE1-Y11R 315 L2 | IE1-K11R 315 L2 FAN | IE1-Y11R 315 L2 FAN | 250 | 200 | 200 | 200 | 200 | 27 | 23 | 3.66 | 1460 | |
| IE1-K11R 315 LX2 | IE1-Y11R 315 LX2 | IE1-K11R 315 LX2 FAN | IE1-Y11R 315 LX2 FAN | 315 | 250 | 250 | 250 | 250 | 27 | 23 | 4.43 | 1630 | |
| IE1-K22R 355 M2 | IE1-Y22R 355 M2 | IE1-K22R 355 M2 FAN | IE1-Y22R 355 M2 FAN | 355 | 300 | 300 | 300 | 300 | 75 | 23 | 4.2 | 2000 | |
| IE1-K22R 355 MX2 | IE1-Y22R 355 MX2 | IE1-K22R 355 MX2 FAN | IE1-Y22R 355 MX2 FAN | 400 | 340 | 340 | 340 | 340 | 75 | 23 | 5.5 | 2200 | |
| IE1-K22R 355 LY2 | IE1-Y22R 355 LY2 | IE1-K22R 355 LY2 FAN | IE1-Y22R 355 LY2 FAN | 450 | 380 | 380 | 380 | 380 | 75 | 23 | 7.1 | 2400 | |
| IE1-K22R 355 L2 | IE1-Y22R 355 L2 | IE1-K22R 355 L2 FAN | IE1-Y22R 355 L2 FAN | 500 | 420 | 420 | 420 | 420 | 75 | 23 | 7.1 | 2400 | |
| Synchronous speed 1500 rpm – 4-pole version | | | | | | | | | | | | | |
| IE1-K11R 132 M4 | IE1-Y11R 132 M4 | IE1-K11R 132 M4 FAN | IE1-Y11R 132 M4 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 5.5 | 12 | 0.028 | 70 | |
| IE1-K11R 160 M4 | IE1-Y11R 160 M4 | IE1-K11R 160 M4 FAN | IE1-Y11R 160 M4 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 5.5 | 12.5 | 0.035 | 92 | |
| IE1-K11R 160 L4 | IE1-Y11R 160 L4 | IE1-K11R 160 L4 FAN | IE1-Y11R 160 L4 FAN | 15 | 11 | 11 | 11 | 7.5 | 10 | 12.5 | 0.078 | 120 | |
| IE1-K11R 180 M4 | IE1-Y11R 180 M4 | IE1-K11R 180 M4 FAN | IE1-Y11R 180 M4 FAN | 18.5 | 15 | 15 | 15 | 11 | 10 | 13.5 | 0.09 | 136 | |
| IE1-K11R 180 L4 | IE1-Y11R 180 L4 | IE1-K11R 180 L4 FAN | IE1-Y11R 180 L4 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 11 | 13.5 | 0.138 | 170 | |
| IE1-K11R 200 L4 | IE1-Y11R 200 L4 | IE1-K11R 200 L4 FAN | IE1-Y11R 200 L4 FAN | 30 | 22 | 22 | 22 | 18.5 | 11 | 14 | 0.168 | 200 | |
| IE1-K11R 225 S4 | IE1-Y11R 225 S4 | IE1-K11R 225 S4 FAN | IE1-Y11R 225 S4 FAN | 37 | 30 | 30 | 30 | 30 | 15 | 14.5 | 0.275 | 270 | |
| IE1-K11R 225 M4 | IE1-Y11R 225 M4 | IE1-K11R 225 M4 FAN | IE1-Y11R 225 M4 FAN | 45 | 37 | 37 | 37 | 37 | 15 | 14.5 | 0.313 | 300 | |
| IE1-K11R 250 M4 | IE1-Y11R 250 M4 | IE1-K11R 250 M4 FAN | IE1-Y11R 250 M4 FAN | 55 | 45 | 45 | 45 | 45 | 21 | 15 | 0.525 | 375 | |
| IE1-K11R 280 S4 | IE1-Y11R 280 S4 | IE1-K11R 280 S4 FAN | IE1-Y11R 280 S4 FAN | 75 | 55 | 55 | 55 | 55 | 32 | 20 | 0.95 | 520 | |
| IE1-K11R 280 M4 | IE1-Y11R 280 M4 | IE1-K11R 280 M4 FAN | IE1-Y11R 280 M4 FAN | 90 | 75 | 75 | 75 | 75 | 32 | 20 | 1.1 | 580 | |
| IE1-K11R 315 S4 | IE1-Y11R 315 S4 | IE1-K11R 315 S4 FAN | IE1-Y11R 315 S4 FAN | 110 | 90 | 90 | 90 | 90 | 45 | 20 | 1.96 | 740 | |
| IE1-K11R 315 M4 | IE1-Y11R 315 M4 | IE1-K11R 315 M4 FAN | IE1-Y11R 315 M4 FAN | 132 | 110 | 110 | 110 | 110 | 45 | 20 | 2.27 | 840 | |
| IE1-K11R 315 MX4 | IE1-Y11R 315 MX4 | IE1-K11R 315 MX4 FAN | IE1-Y11R 315 MX4 FAN | 160 | 132 | 132 | 132 | 132 | 45 | 20 | 2.73 | 1000 | |
| IE1-K11R 315 MY4 | IE1-Y11R 315 MY4 | IE1-K11R 315 MY4 FAN | IE1-Y11R 315 MY4 FAN | 200 | 160 | 160 | 160 | 160 | 45 | 20 | 4.82 | 1200 | |
| IE1-K11R 315 L4 | IE1-Y11R 315 L4 | IE1-K11R 315 L4 FAN | IE1-Y11R 315 L4 FAN | 250 | 200 | 200 | 200 | 200 | 45 | 20 | 5.93 | 1510 | |
| IE1-K11R 315 LX4 | IE1-Y11R 315 LX4 | IE1-K11R 315 LX4 FAN | IE1-Y11R 315 LX4 FAN | 315 | 250 | 250 | 250 | 250 | 45 | 20 | 6.82 | 1630 | |
| IE1-K22R 355 M4 | IE1-Y22R 355 M4 | IE1-K22R 355 M4 FAN | IE1-Y22R 355 M4 FAN | 355 | 300 | 300 | 300 | 300 | 72 | 20 | 7.9 | 2150 | |
| IE1-K22R 355 MX4 | IE1-Y22R 355 MX4 | IE1-K22R 355 MX4 FAN | IE1-Y22R 355 MX4 FAN | 400 | 340 | 340 | 340 | 340 | 72 | 20 | 9.5 | 2400 | |
| IE1-K22R 355 LY4 | IE1-Y22R 355 LY4 | IE1-K22R 355 LY4 FAN | IE1-Y22R 355 LY4 FAN | 450 | 380 | 380 | 380 | 380 | 81 | 20 | 10 | 2500 | |
| IE1-K22R 355 L4 | IE1-Y22R 355 L4 | IE1-K22R 355 L4 FAN | IE1-Y22R 355 L4 FAN | 500 | 420 | 420 | 420 | 420 | 81 | 20 | 10 | 2500 | |

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| | | | | Class | | Thermal stress | | | | | | | |
|--|------------------|----------------------|----------------------|---------------|-----------------------------|----------------|-----------|-----------|---------------------|------------------|------------------|------|--|
| | | | | $F_{200(60)}$ | F_{300+} $F_{250(60)}$ | F_{300} | F_{300} | F_{300} | F_{400} | | | | |
| | | | | 1h/200 °C | 2h/200 °C +1h/250 °C | 1h/300 °C | 2h/300 °C | 2h/300 °C | 2h/400 °C | | | | |
| | | | | VEM code | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | | | | |
| Type designation | | | | Rated output | | | | | Cooling air | | | | |
| Cooling IC 411 | Cooling IC 411 | Cooling IC 418 | Cooling IC 418 | P_B | P_B | P_B | P_B | P_B | Q | v | J | m | |
| T-box at D-end | T-box at N-end | T-box at D-end | T-box at N-end | kW | kW | kW | kW | kW | m ³ /min | ms ⁻¹ | kgm ² | kg | |
| Synchronous speed 1000 rpm – 6-pole version | | | | | | | | | | | | | |
| IE1-K11R 132 MX6 | IE1-Y11R 132 MX6 | IE1-K11R 132 MX6 FAN | IE1-Y11R 132 MX6 FAN | 5.5 | 4 | 4 | 4 | 3 | 4 | 9.5 | 0.043 | 70 | |
| IE1-K11R 160 M6 | IE1-Y11R 160 M6 | IE1-K11R 160 M6 FAN | IE1-Y11R 160 M6 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 4 | 10.5 | 0.053 | 86 | |
| IE1-K11R 160 L6 | IE1-Y11R 160 L6 | IE1-K11R 160 L6 FAN | IE1-Y11R 160 L6 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 5 | 10.5 | 0.113 | 114 | |
| IE1-K11R 180 L6 | IE1-Y11R 180 L6 | IE1-K11R 180 L6 FAN | IE1-Y11R 180 L6 FAN | 15 | 11 | 11 | 11 | 7.5 | 5 | 11 | 0.145 | 136 | |
| IE1-K11R 200 L6 | IE1-Y11R 200 L6 | IE1-K11R 200 L6 FAN | IE1-Y11R 200 L6 FAN | 18.5 | 15 | 15 | 15 | 11 | 8 | 11.5 | 0.228 | 175 | |
| IE1-K11R 200 LX6 | IE1-Y11R 200 LX6 | IE1-K11R 200 LX6 FAN | IE1-Y11R 200 LX6 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 8 | 11.5 | 0.268 | 200 | |
| IE1-K11R 225 M6 | IE1-Y11R 225 M6 | IE1-K11R 225 M6 FAN | IE1-Y11R 225 M6 FAN | 30 | 22 | 22 | 22 | 22 | 10 | 12 | 0.443 | 265 | |
| IE1-K11R 250 M6 | IE1-Y11R 250 M6 | IE1-K11R 250 M6 FAN | IE1-Y11R 250 M6 FAN | 37 | 30 | 30 | 30 | 30 | 14 | 12.5 | 0.825 | 360 | |
| IE1-K11R 280 S6 | IE1-Y11R 280 S6 | IE1-K11R 280 S6 FAN | IE1-Y11R 280 S6 FAN | 45 | 37 | 37 | 37 | 37 | 21 | 15 | 1.28 | 465 | |
| IE1-K11R 280 M6 | IE1-Y11R 280 M6 | IE1-K11R 280 M6 FAN | IE1-Y11R 280 M6 FAN | 55 | 45 | 45 | 45 | 45 | 21 | 15 | 1.48 | 520 | |
| IE1-K11R 315 S6 | IE1-Y11R 315 S6 | IE1-K11R 315 S6 FAN | IE1-Y11R 315 S6 FAN | 75 | 55 | 55 | 55 | 55 | 30 | 20 | 2.63 | 690 | |
| IE1-K11R 315 M6 | IE1-Y11R 315 M6 | IE1-K11R 315 M6 FAN | IE1-Y11R 315 M6 FAN | 90 | 75 | 75 | 75 | 75 | 30 | 20 | 3.33 | 800 | |
| IE1-K11R 315 MX6 | IE1-Y11R 315 MX6 | IE1-K11R 315 MX6 FAN | IE1-Y11R 315 MX6 FAN | 110 | 90 | 90 | 90 | 90 | 30 | 20 | 3.6 | 880 | |
| IE1-K11R 315 MY6 | IE1-Y11R 315 MY6 | IE1-K11R 315 MY6 FAN | IE1-Y11R 315 MY6 FAN | 132 | 110 | 110 | 110 | 110 | 30 | 20 | 6 | 1050 | |
| IE1-K11R 315 L6 | IE1-Y11R 315 L6 | IE1-K11R 315 L6 FAN | IE1-Y11R 315 L6 FAN | 160 | 132 | 132 | 132 | 132 | 30 | 20 | 6.67 | 1250 | |
| IE1-K11R 315 LX6 | IE1-Y11R 315 LX6 | IE1-K11R 315 LX6 FAN | IE1-Y11R 315 LX6 FAN | 200 | 160 | 160 | 160 | 160 | 30 | 20 | 8.6 | 1460 | |
| IE1-K22R 355 M6 | IE1-Y22R 355 M6 | IE1-K22R 355 M6 FAN | IE1-Y22R 355 M6 FAN | 250 | 200 | 200 | 200 | 200 | 54 | 20 | 8.2 | 1650 | |
| IE1-K22R 355 MX6 | IE1-Y22R 355 MX6 | IE1-K22R 355 MX6 FAN | IE1-Y22R 355 MX6 FAN | 315 | 250 | 250 | 250 | 250 | 54 | 20 | 12.1 | 2200 | |
| IE1-K22R 355 LY6 | IE1-Y22R 355 LY6 | IE1-K22R 355 LY6 FAN | IE1-Y22R 355 LY6 FAN | 355 | 300 | 300 | 300 | 300 | 54 | 20 | 14 | 2400 | |
| Synchronous speed 750 rpm – 8-pole version | | | | | | | | | | | | | |
| IE1-K11R 160 M8 | IE1-Y11R 160 M8 | IE1-K11R 160 M8 FAN | IE1-Y11R 160 M8 FAN | 4 | 3 | 3 | 3 | 2.2 | 3 | 8.5 | 0.043 | 70 | |
| IE1-K11R 160 MX8 | IE1-Y11R 160 MX8 | IE1-K11R 160 MX8 FAN | IE1-Y11R 160 MX8 FAN | 5.5 | 4 | 4 | 4 | 3 | 3 | 8.5 | 0.053 | 86 | |
| IE1-K11R 160 L8 | IE1-Y11R 160 L8 | IE1-K11R 160 L8 FAN | IE1-Y11R 160 L8 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 4 | 8.5 | 0.113 | 114 | |
| IE1-K11R 180 L8 | IE1-Y11R 180 L8 | IE1-K11R 180 L8 FAN | IE1-Y11R 180 L8 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 4 | 9 | 0.145 | 136 | |
| IE1-K11R 200 L8 | IE1-Y11R 200 L8 | IE1-K11R 200 L8 FAN | IE1-Y11R 200 L8 FAN | 15 | 11 | 11 | 11 | 7.5 | 6 | 9.5 | 0.228 | 175 | |
| IE1-K11R 225 S8 | IE1-Y11R 225 S8 | IE1-K11R 225 S8 FAN | IE1-Y11R 225 S8 FAN | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 8 | 10 | 0.44 | 265 | |
| IE1-K11R 225 M8 | IE1-Y11R 225 M8 | IE1-K11R 225 M8 FAN | IE1-Y11R 225 M8 FAN | 22 | 18.5 | 18.5 | 18.5 | 18.5 | 11 | 10 | 0.44 | 265 | |
| IE1-K11R 250 M8 | IE1-Y11R 250 M8 | IE1-K11R 250 M8 FAN | IE1-Y11R 250 M8 FAN | 30 | 22 | 22 | 22 | 22 | 16 | 10.5 | 0.825 | 360 | |
| IE1-K11R 280 S8 | IE1-Y11R 280 S8 | IE1-K11R 280 S8 FAN | IE1-Y11R 280 S8 FAN | 37 | 30 | 30 | 30 | 30 | 16 | 15 | 1.35 | 465 | |
| IE1-K11R 280 M8 | IE1-Y11R 280 M8 | IE1-K11R 280 M8 FAN | IE1-Y11R 280 M8 FAN | 45 | 37 | 37 | 37 | 37 | 16 | 15 | 1.55 | 520 | |
| IE1-K11R 315 S8 | IE1-Y11R 315 S8 | IE1-K11R 315 S8 FAN | IE1-Y11R 315 S8 FAN | 55 | 45 | 45 | 45 | 45 | 21 | 15 | 2.63 | 690 | |
| IE1-K11R 315 M8 | IE1-Y11R 315 M8 | IE1-K11R 315 M8 FAN | IE1-Y11R 315 M8 FAN | 75 | 55 | 55 | 55 | 55 | 21 | 15 | 3.33 | 800 | |
| IE1-K11R 315 MX8 | IE1-Y11R 315 MX8 | IE1-K11R 315 MX8 FAN | IE1-Y11R 315 MX8 FAN | 90 | 75 | 75 | 75 | 75 | 21 | 15 | 3.6 | 880 | |
| IE1-K11R 315 MY8 | IE1-Y11R 315 MY8 | IE1-K11R 315 MY8 FAN | IE1-Y11R 315 MY8 FAN | 110 | 90 | 90 | 90 | 90 | 21 | 15 | 6 | 1050 | |
| IE1-K11R 315 L8 | IE1-Y11R 315 L8 | IE1-K11R 315 L8 FAN | IE1-Y11R 315 L8 FAN | 132 | 110 | 110 | 110 | 110 | 21 | 15 | 6.76 | 1250 | |
| IE1-K11R 315 LX8 | IE1-Y11R 315 LX8 | IE1-K11R 315 LX8 FAN | IE1-Y11R 315 LX8 FAN | 160 | 132 | 132 | 132 | 132 | 21 | 15 | 8.71 | 1430 | |
| IE1-K22R 355 M8 | IE1-Y22R 355 M8 | IE1-K22R 355 M8 FAN | IE1-Y22R 355 M8 FAN | 200 | 160 | 160 | 160 | 160 | 40 | 15 | 9.5 | 1600 | |
| IE1-K22R 355 MX8 | IE1-Y22R 355 MX8 | IE1-K22R 355 MX8 FAN | IE1-Y22R 355 MX8 FAN | 250 | 200 | 200 | 200 | 200 | 40 | 15 | 13.4 | 2200 | |
| IE1-K22R 355 LY8 | IE1-Y22R 355 LY8 | IE1-K22R 355 LY8 FAN | IE1-Y22R 355 LY8 FAN | 280 | 230 | 230 | 230 | 230 | 40 | 15 | 15.8 | 2400 | |

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3

Energy-saving motor, efficiency class Standard Efficiency IE1

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| | | | | Class | | Thermal stress | | | | | | |
|---|------------------|----------------------|----------------------|---------------|-------------------------|----------------|-----------|-----------|---------------------|------------------|------------------|------|
| | | | | $F_{200}(60)$ | $F_{200} + F_{250}(60)$ | F_{300} | F_{300} | F_{300} | F_{400} | | | |
| | | | | 1h/200 °C | 2h/200 °C + 1h/250 °C | 1h/300 °C | 2h/300 °C | 2h/300 °C | 2h/400 °C | | | |
| | | | | VEM code | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | | | |
| Type designation | | | | Rated output | | | | | Cooling air | | | |
| Cooling IC 411 | | Cooling IC 418 | | P_B | P_B | P_B | P_B | P_B | Q | v | J | m |
| T-box at D-end | | T-box at N-end | | kW | kW | kW | kW | kW | m ³ /min | ms ⁻¹ | kgm ² | kg |
| Synchronous speed 3000 rpm – 2-pole version | | | | | | | | | | | | |
| IE1-K10R 132 M2 | IE1-Y10R 132 M2 | IE1-K10R 132 M2 FAN | IE1-Y10R 132 M2 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 7 | 19 | 0.0258 | 81 |
| IE1-K10R 160 S2 | IE1-Y10R 160 S2 | IE1-K10R 160 S2 FAN | IE1-Y10R 160 S2 FAN | 15 | 11 | 11 | 11 | 7.5 | 12 | 19 | 0.0575 | 118 |
| IE1-K10R 160 M2 | IE1-Y10R 160 M2 | IE1-K10R 160 M2 FAN | IE1-Y10R 160 M2 FAN | 18.5 | 15 | 15 | 15 | 11 | 12 | 19 | 0.0675 | 134 |
| IE1-K10R 180 S2 | IE1-Y10R 180 S2 | IE1-K10R 180 S2 FAN | IE1-Y10R 180 S2 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 14 | 20 | 0.105 | 165 |
| IE1-K10R 180 M2 | IE1-Y10R 180 M2 | IE1-K10R 180 M2 FAN | IE1-Y10R 180 M2 FAN | 30 | 22 | 22 | 22 | 18.5 | 14 | 21 | 0.128 | 195 |
| IE1-K10R 200 M2 | IE1-Y10R 200 M2 | IE1-K10R 200 M2 FAN | IE1-Y10R 200 M2 FAN | 37 | 30 | 30 | 30 | 30 | 16 | 21 | 0.193 | 255 |
| IE1-K10R 200 L2 | IE1-Y10R 200 L2 | IE1-K10R 200 L2 FAN | IE1-Y10R 200 L2 FAN | 45 | 37 | 37 | 37 | 37 | 16 | 22 | 0.22 | 290 |
| IE1-K10R 225 M2 | IE1-Y10R 225 M2 | IE1-K10R 225 M2 FAN | IE1-Y10R 225 M2 FAN | 55 | 45 | 45 | 45 | 45 | 22 | 23 | 0.375 | 360 |
| IE1-K10R 250 S2 | IE1-Y10R 250 S2 | IE1-K10R 250 S2 FAN | IE1-Y10R 250 S2 FAN | 75 | 55 | 55 | 55 | 55 | 25 | 23 | 0.65 | 490 |
| IE1-K10R 250 M2 | IE1-Y10R 250 M2 | IE1-K10R 250 M2 FAN | IE1-Y10R 250 M2 FAN | 90 | 75 | 75 | 75 | 75 | 25 | 23 | 0.675 | 510 |
| IE1-K10R 280 S2 | IE1-Y10R 280 S2 | IE1-K10R 280 S2 FAN | IE1-Y10R 280 S2 FAN | 110 | 90 | 90 | 90 | 90 | 27 | 23 | 1.21 | 720 |
| IE1-K10R 280 M2 | IE1-Y10R 280 M2 | IE1-K10R 280 M2 FAN | IE1-Y10R 280 M2 FAN | 132 | 110 | 110 | 110 | 110 | 27 | 23 | 1.44 | 800 |
| IE1-K10R 315 S2 | IE1-Y10R 315 S2 | IE1-K10R 315 S2 FAN | IE1-Y10R 315 S2 FAN | 160 | 132 | 132 | 132 | 132 | 27 | 23 | 1.76 | 980 |
| IE1-K10R 315 M2 | IE1-Y10R 315 M2 | IE1-K10R 315 M2 FAN | IE1-Y10R 315 M2 FAN | 200 | 160 | 160 | 160 | 160 | 27 | 23 | 2.82 | 1170 |
| IE1-K10R 315 L2 | IE1-Y10R 315 L2 | IE1-K10R 315 L2 FAN | IE1-Y10R 315 L2 FAN | 250 | 200 | 200 | 200 | 200 | 27 | 23 | 3.66 | 1460 |
| IE1-K10R 315 LX2 | IE1-Y10R 315 LX2 | IE1-K10R 315 LX2 FAN | IE1-Y10R 315 LX2 FAN | 315 | 250 | 250 | 250 | 250 | 27 | 23 | 4.43 | 1630 |
| Synchronous speed 1500 rpm – 4-pole version | | | | | | | | | | | | |
| IE1-K10R 132 S4 | IE1-Y10R 132 S4 | IE1-K10R 132 S4 FAN | IE1-Y10R 132 S4 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 5.5 | 12 | 0.028 | 70 |
| IE1-K10R 132 M4 | IE1-Y10R 132 M4 | IE1-K10R 132 M4 FAN | IE1-Y10R 132 M4 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 5.5 | 12.5 | 0.035 | 92 |
| IE1-K10R 160 S4 | IE1-Y10R 160 S4 | IE1-K10R 160 S4 FAN | IE1-Y10R 160 S4 FAN | 15 | 11 | 11 | 11 | 7.5 | 10 | 12.5 | 0.078 | 120 |
| IE1-K10R 160 M4 | IE1-Y10R 160 M4 | IE1-K10R 160 M4 FAN | IE1-Y10R 160 M4 FAN | 18.5 | 15 | 15 | 15 | 11 | 10 | 13.5 | 0.09 | 136 |
| IE1-K10R 180 S4 | IE1-Y10R 180 S4 | IE1-K10R 180 S4 FAN | IE1-Y10R 180 S4 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 11 | 13.5 | 0.138 | 170 |
| IE1-K10R 180 M4 | IE1-Y10R 180 M4 | IE1-K10R 180 M4 FAN | IE1-Y10R 180 M4 FAN | 30 | 22 | 22 | 22 | 18.5 | 11 | 14 | 0.168 | 200 |
| IE1-K10R 200 M4 | IE1-Y10R 200 M4 | IE1-K10R 200 M4 FAN | IE1-Y10R 200 M4 FAN | 37 | 30 | 30 | 30 | 30 | 15 | 14.5 | 0.275 | 270 |
| IE1-K10R 200 L4 | IE1-Y10R 200 L4 | IE1-K10R 200 L4 FAN | IE1-Y10R 200 L4 FAN | 45 | 37 | 37 | 37 | 37 | 15 | 14.5 | 0.313 | 300 |
| IE1-K10R 225 M4 | IE1-Y10R 225 M4 | IE1-K10R 225 M4 FAN | IE1-Y10R 225 M4 FAN | 55 | 45 | 45 | 45 | 45 | 21 | 15 | 0.525 | 375 |
| IE1-K10R 250 S4 | IE1-Y10R 250 S4 | IE1-K10R 250 S4 FAN | IE1-Y10R 250 S4 FAN | 75 | 55 | 55 | 55 | 55 | 32 | 20 | 0.95 | 520 |
| IE1-K10R 250 M4 | IE1-Y10R 250 M4 | IE1-K10R 250 M4 FAN | IE1-Y10R 250 M4 FAN | 90 | 75 | 75 | 75 | 75 | 32 | 20 | 1.1 | 580 |
| IE1-K10R 280 S4 | IE1-Y10R 280 S4 | IE1-K10R 280 S4 FAN | IE1-Y10R 280 S4 FAN | 110 | 90 | 90 | 90 | 90 | 45 | 20 | 1.96 | 740 |
| IE1-K10R 280 M4 | IE1-Y10R 280 M4 | IE1-K10R 280 M4 FAN | IE1-Y10R 280 M4 FAN | 132 | 110 | 110 | 110 | 110 | 45 | 20 | 2.27 | 840 |
| IE1-K10R 315 S4 | IE1-Y10R 315 S4 | IE1-K10R 315 S4 FAN | IE1-Y10R 315 S4 FAN | 160 | 132 | 132 | 132 | 132 | 45 | 20 | 2.73 | 1000 |
| IE1-K10R 315 M4 | IE1-Y10R 315 M4 | IE1-K10R 315 M4 FAN | IE1-Y10R 315 M4 FAN | 200 | 160 | 160 | 160 | 160 | 45 | 20 | 4.82 | 1200 |
| IE1-K10R 315 L4 | IE1-Y10R 315 L4 | IE1-K10R 315 L4 FAN | IE1-Y10R 315 L4 FAN | 250 | 200 | 200 | 200 | 200 | 45 | 20 | 5.93 | 1510 |
| IE1-K10R 315 LX4 | IE1-Y10R 315 LX4 | IE1-K10R 315 LX4 FAN | IE1-Y10R 315 LX4 FAN | 315 | 250 | 250 | 250 | 250 | 45 | 20 | 6.82 | 1630 |

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

with surface cooling, duty Type S1, continuous duty thermal class H, degree of protection IP 55

| | | | | Class | | Thermal stress | | VEM code | | | | | | |
|--|------------------|----------------------|----------------------|---------------|-----------------------------|----------------|-------------------------|-----------|---------------------|------------------|------------------|------|--|--|
| | | | | $F_{200(60)}$ | F_{300+} $F_{250(60)}$ | 1h/200 °C | 2h/200 °C +1h/250 °C | 1h/300 °C | 2h/300 °C | 2h/400 °C | | | | |
| | | | | FV | FV1-1 | FV2-1 | FV3-1 | FV4-4 | | | | | | |
| Type designation | | | | Rated output | | | | | Cooling air | | | | | |
| Cooling IC 411 | Cooling IC 411 | Cooling IC 418 | Cooling IC 418 | P_B | P_B | P_B | P_B | P_B | Q | v | J | m | | |
| T-box at D-end | T-box at N-end | T-box at D-end | T-box at N-end | kW | kW | kW | kW | kW | m ³ /min | ms ⁻¹ | kgm ² | kg | | |
| Synchronous speed 1000 rpm – 6-pole version | | | | | | | | | | | | | | |
| IE1-K10R 132 S6 | IE1-Y10R 132 S6 | IE1-K10R 132 S6 FAN | IE1-Y10R 132 S6 FAN | 5.5 | 4 | 4 | 4 | 3 | 4 | 9.5 | 0.043 | 70 | | |
| IE1-K10R 132 M6 | IE1-Y10R 132 M6 | IE1-K10R 132 M6 FAN | IE1-Y10R 132 M6 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 4 | 10.5 | 0.053 | 86 | | |
| IE1-K10R 160 S6 | IE1-Y10R 160 S6 | IE1-K10R 160 S6 FAN | IE1-Y10R 160 S6 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 5 | 10.5 | 0.113 | 114 | | |
| IE1-K10R 160 M6 | IE1-Y10R 160 M6 | IE1-K10R 160 M6 FAN | IE1-Y10R 160 M6 FAN | 15 | 11 | 11 | 11 | 7.5 | 5 | 11 | 0.145 | 136 | | |
| IE1-K10R 180 S6 | IE1-Y10R 180 S6 | IE1-K10R 180 S6 FAN | IE1-Y10R 180 S6 FAN | 18.5 | 15 | 15 | 15 | 11 | 8 | 11.5 | 0.228 | 175 | | |
| IE1-K10R 180 M6 | IE1-Y10R 180 M6 | IE1-K10R 180 M6 FAN | IE1-Y10R 180 M6 FAN | 22 | 18.5 | 18.5 | 18.5 | 15 | 8 | 11.5 | 0.268 | 200 | | |
| IE1-K10R 200 M6 | IE1-Y10R 200 M6 | IE1-K10R 200 M6 FAN | IE1-Y10R 200 M6 FAN | 30 | 22 | 22 | 22 | 22 | 10 | 12 | 0.443 | 265 | | |
| IE1-K10R 225 M6 | IE1-Y10R 225 M6 | IE1-K10R 225 M6 FAN | IE1-Y10R 225 M6 FAN | 37 | 30 | 30 | 30 | 30 | 14 | 12.5 | 0.825 | 360 | | |
| IE1-K10R 250 S6 | IE1-Y10R 250 S6 | IE1-K10R 250 S6 FAN | IE1-Y10R 250 S6 FAN | 45 | 37 | 37 | 37 | 37 | 21 | 15 | 1.28 | 465 | | |
| IE1-K10R 250 M6 | IE1-Y10R 250 M6 | IE1-K10R 250 M6 FAN | IE1-Y10R 250 M6 FAN | 55 | 45 | 45 | 45 | 45 | 21 | 15 | 1.48 | 520 | | |
| IE1-K10R 280 S6 | IE1-Y10R 280 S6 | IE1-K10R 280 S6 FAN | IE1-Y10R 280 S6 FAN | 75 | 55 | 55 | 55 | 55 | 30 | 20 | 2.63 | 690 | | |
| IE1-K10R 280 M6 | IE1-Y10R 280 M6 | IE1-K10R 280 M6 FAN | IE1-Y10R 280 M6 FAN | 90 | 75 | 75 | 75 | 75 | 30 | 20 | 3.33 | 800 | | |
| IE1-K10R 315 S6 | IE1-Y10R 315 S6 | IE1-K10R 315 S6 FAN | IE1-Y10R 315 S6 FAN | 110 | 90 | 90 | 90 | 90 | 30 | 20 | 3.6 | 880 | | |
| IE1-K10R 315 M6 | IE1-Y10R 315 M6 | IE1-K10R 315 M6 FAN | IE1-Y10R 315 M6 FAN | 132 | 110 | 110 | 110 | 110 | 30 | 20 | 6 | 1050 | | |
| IE1-K10R 315 L6 | IE1-Y10R 315 L6 | IE1-K10R 315 L6 FAN | IE1-Y10R 315 L6 FAN | 160 | 132 | 132 | 132 | 132 | 30 | 20 | 6.67 | 1250 | | |
| IE1-K10R 315 LX6 | IE1-Y10R 315 LX6 | IE1-K10R 315 LX6 FAN | IE1-Y10R 315 LX6 FAN | 200 | 160 | 160 | 160 | 160 | 30 | 20 | 8.6 | 1460 | | |
| Synchronous speed 750 rpm – 8-pole version | | | | | | | | | | | | | | |
| IE1-K10R 132 S8 | IE1-Y10R 132 S8 | IE1-K10R 132 S8 FAN | IE1-Y10R 132 S8 FAN | 4 | 3 | 3 | 3 | 2.2 | 3 | 8.5 | 0.043 | 70 | | |
| IE1-K10R 132 M8 | IE1-Y10R 132 M8 | IE1-K10R 132 M8 FAN | IE1-Y10R 132 M8 FAN | 5.5 | 4 | 4 | 4 | 3 | 3 | 8.5 | 0.053 | 86 | | |
| IE1-K10R 160 S8 | IE1-Y10R 160 S8 | IE1-K10R 160 S8 FAN | IE1-Y10R 160 S8 FAN | 7.5 | 5.5 | 5.5 | 5.5 | 4 | 4 | 8.5 | 0.113 | 114 | | |
| IE1-K10R 160 M8 | IE1-Y10R 160 M8 | IE1-K10R 160 M8 FAN | IE1-Y10R 160 M8 FAN | 11 | 7.5 | 7.5 | 7.5 | 5.5 | 4 | 9 | 0.145 | 136 | | |
| IE1-K10R 180 S8 | IE1-Y10R 180 S8 | IE1-K10R 180 S8 FAN | IE1-Y10R 180 S8 FAN | 15 | 11 | 11 | 11 | 7.5 | 6 | 9.5 | 0.228 | 175 | | |
| IE1-K10R 180 M8 | IE1-Y10R 180 M8 | IE1-K10R 180 M8 FAN | IE1-Y10R 180 M8 FAN | 18.5 | 15 | 15 | 15 | 11 | 8 | 9.5 | 0.268 | 200 | | |
| IE1-K10R 200 M8 | IE1-Y10R 200 M8 | IE1-K10R 200 M8 FAN | IE1-Y10R 200 M8 FAN | 22 | 18.5 | 18.5 | 18.5 | 18.5 | 11 | 10 | 0.44 | 265 | | |
| IE1-K10R 225 M8 | IE1-Y10R 225 M8 | IE1-K10R 225 M8 FAN | IE1-Y10R 225 M8 FAN | 30 | 22 | 22 | 22 | 22 | 16 | 10.5 | 0.825 | 360 | | |
| IE1-K10R 250 S8 | IE1-Y10R 250 S8 | IE1-K10R 250 S8 FAN | IE1-Y10R 250 S8 FAN | 37 | 30 | 30 | 30 | 30 | 16 | 15 | 1.35 | 465 | | |
| IE1-K10R 250 M8 | IE1-Y10R 250 M8 | IE1-K10R 250 M8 FAN | IE1-Y10R 250 M8 FAN | 45 | 37 | 37 | 37 | 37 | 16 | 15 | 1.55 | 520 | | |
| IE1-K10R 280 S8 | IE1-Y10R 280 S8 | IE1-K10R 280 S8 FAN | IE1-Y10R 280 S8 FAN | 55 | 45 | 45 | 45 | 45 | 21 | 15 | 2.63 | 690 | | |
| IE1-K10R 280 M8 | IE1-Y10R 280 M8 | IE1-K10R 280 M8 FAN | IE1-Y10R 280 M8 FAN | 75 | 55 | 55 | 55 | 55 | 21 | 15 | 3.33 | 800 | | |
| IE1-K10R 315 S8 | IE1-Y10R 315 S8 | IE1-K10R 315 S8 FAN | IE1-Y10R 315 S8 FAN | 90 | 75 | 75 | 75 | 75 | 21 | 15 | 3.6 | 880 | | |
| IE1-K10R 315 M8 | IE1-Y10R 315 M8 | IE1-K10R 315 M8 FAN | IE1-Y10R 315 M8 FAN | 110 | 90 | 90 | 90 | 90 | 21 | 15 | 6 | 1050 | | |
| IE1-K10R 315 L8 | IE1-Y10R 315 L8 | IE1-K10R 315 L8 FAN | IE1-Y10R 315 L8 FAN | 132 | 110 | 110 | 110 | 110 | 21 | 15 | 6.76 | 1250 | | |
| IE1-K10R 315 LX8 | IE1-Y10R 315 LX8 | IE1-K10R 315 LX8 FAN | IE1-Y10R 315 LX8 FAN | 160 | 132 | 132 | 132 | 132 | 21 | 15 | 8.71 | 1430 | | |

Bearings

Energy-saving motors IE3-W41R

| Type | Anti-friction bearing | D-end | | | | Anti-friction bearing | N-end | | Figure | | |
|---------------------------|-----------------------|--------|--------|-------------|-------------|-----------------------|--------|--------|--------|-------|---------------|
| | | V-ring | γ-ring | Wave spring | Disc spring | | V-ring | γ-ring | N-end | D-end | Fixed bearing |
| | | | | | | | | | | | |
| IE3-W41R 112 M2 | 6207 ZZ C3 | - | RB35 | 72 | - | 6207 ZZ C3 | - | RB35 | 6 | 8 | N-end |
| IE3-W41R 112 M4 | 6207 ZZ C3 | - | RB35 | 72 | - | 6207 ZZ C3 | - | RB35 | 6 | 8 | N-end |
| IE3-W41R 132 S2 | 6208 ZZ C3 | - | RB40 | 80 | - | 6207 ZZ C3 | - | RB35 | 6 | 8 | N-end |
| IE3-W41R 132 SX2 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE3-W41R 132 S4 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE3-W41R 132 M4 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE3-W41R 160 M2 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 160 MX2 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 160 L2 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 160 M4 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 160 L4C | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 180 M2C | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE3-W41R 200 L2 | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE3-W41R 200 LX2C | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE3-W41R 225 M2 | 6313 C3 | 65A | - | - | 140 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE3-W41R 250 M2 | 6314 C3 | 70A | - | - | 150 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE3-W41R 180 M4 | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE3-W41R 180 L4 | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE3-W41R 200 L4C | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE3-W41R 225 S4C | 6313 C3 | 65A | - | - | 140 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE3-W41R 225 M4 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE3-W41R 250 M4 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE3-W41R 132 S6 | 6208 ZZ C3 | - | RB40 | 80 | - | 6207 ZZ C3 | - | RB35 | 6 | 8 | N-end |
| IE3-W41R 132 M6 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE3-W41R 132 MX6 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE3-W41R 160 M6 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 160 L6C | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 180 L6C | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE3-W41R 200 L6 | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE3-W41R 200 LX6C | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE3-W41R 225 M6 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE3-W41R 250 M6 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE3-W41R 280 S2 | 6314 C3 | 70A | - | - | 150 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE3-W41R 280 M2 | 6314 C3 | 70A | - | - | 150 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE3-W41R 280 S4 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE3-W41R 280 M4 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE3-W41R 280 S6, M6 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE3-W41R 315 S2, M2 | 6316 C3 | 80A | - | - | 170 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE3-W41R 315 MX2 | 6317 C3 | 85A | - | - | 180 | 6317 C3 ¹⁾ | 85A | - | 6 | 8 | N-end |
| IE3-W41R 315 MY2, L2, LX2 | 6317 C3 | 85A | - | - | 180 | 6317 C3 ¹⁾ | 85A | - | 6 | 8 | N-end |
| IE3-W41R 315 S4, M4 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE3-W41R 315 MX4 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE3-W41R 315 MY4 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE3-W41R 315 L4, LX4 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE3-W41R 315 S6 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE3-W41R 315 M6, MX6, MY6 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE3-W41R 355 M2 | 6317 C3 | - | RB85A | - | 180 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE3-W41R 355 M4, 6 | 6324 C3 | - | RB120 | - | 260 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |

¹⁾ For types for vertical mounting Q317 C3; figures 18, 21

IE3-W41R from 2-pole 315 MX, 4-pole 315 MX, 6-pole 315S with relubrication device as standard

Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3

For fire-gas class FV4, only bearings with a solid brass cage are used

Size 400 upon request

Energy-saving motors IE3-W41R

| Type | D-end | | | | N-end | | | | Figure | | Fixed bearing |
|------------------------------|-----------------------|--------|--------|-------------|-----------------------|-----------------------|--------|--------|--------|-------|---------------|
| | Anti-friction bearing | | | | Anti-friction bearing | | | | N-end | D-end | |
| | | V-ring | γ-ring | Wave spring | Disc spring | | V-ring | γ-ring | | | |
| IE3-W41R 132 S8 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE3-W41R 132 M8 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE3-W41R 160 M8 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 160 MX8 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 160 L8 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE3-W41R 180 L8 | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE3-W41R 200 L8 | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE3-W41R 225 S8 | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE3-W41R 225 M8 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE3-W41R 250 M8 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE3-W41R 280 S8 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE3-W41R 280 M8 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE3-W41R 315 S8 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 18 | 19 | N-end |
| IE3-W41R 315 M8, MX8, MY8,L8 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE3-W41R 355 M8 | 6324 C3 | - | RB120 | - | 260 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |

¹⁾ For types for vertical mounting Q317 C3; figures 18, 21
 IE3-W41R from 315 M with relubrication device as standard
 Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3
 For fire-gas class FV4, only bearings with a solid brass cage are used

Energy-saving motors IE3-W41R
 Relubrication device

| Type | D-end | | | | | N-end | | | Figure | | | | Fixed bearing |
|------------------------------|-----------------------|---------------------|--------|---------------------------|---------------------------|-----------------------|--------|--------|---------------------|---------------------|---------------------|---------------------|---------------|
| | Anti-friction bearing | | | | | Anti-friction bearing | | | D-end | N-end | D-end | N-end | |
| | Light-duty Bearings | Reinforced Bearings | γ-ring | Wave spring ¹⁾ | Disc spring ¹⁾ | | V-ring | γ-ring | Light-duty Bearings | Light-duty Bearings | Reinforced Bearings | Reinforced Bearings | |
| IE3-W41R 132 S8 | 6308 C3 | NU 308 | RB40 | 90 | - | 6308 C3 | | RB40 | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 132 M8 | 6308 C3 | NU 308 | RB40 | 90 | - | 6308 C3 | | RB40 | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 160 M8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - | RB45 | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 160 MX8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - | RB45 | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 160 L8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - | RB45 | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 180 L8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 200 L8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 225 S8 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 225 M8 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 250 M8 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 280 S8 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 280 M8 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 315 S8 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | - | 13 | 14 | 15 | 14 | N-end |
| IE3-W41R 315 M8, MX8, MY8,L8 | | | | | | | | | | | | | |
| IE3-W41R 355 M8 | | | | | | | | | | | | | |

¹⁾ Light-duty bearings only
 Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3
 For fire-gas class FV4, only bearings with a solid brass cage are used

Energy-saving motors IE3-W41R Relubrication device

| Type | D-end | | | | | N-end | | Figure | | | | | Fixed bearing |
|---------------------------|--|---------------------|--------|---------------------------|---------------------------|-----------------------|--------|---------------------|---------------------|---------------------|---------------------|-------|---------------|
| | Anti-friction bearing | | | | | Anti-friction bearing | | D-end | N-end | D-end | N-end | | |
| | Light-duty Bearings | Reinforced Bearings | γ-ring | Wave spring ¹⁾ | Disc spring ¹⁾ | V-ring | γ-ring | Light-duty Bearings | Light-duty Bearings | Reinforced Bearings | Reinforced Bearings | | |
| IE3-W41R 132 S2 | not possible at D-end for design reasons | | | | | | | | | | | | |
| IE3-W41R 132 SX2 | 6308 C3 | NU 308 | RB40 | 90 | - | 6308 C3 | RB40 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 132 S4 | 6308 C3 | NU 308 | RB40 | 90 | - | 6308 C3 | RB40 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 132 M4 | 6308 C3 | NU 308 | RB40 | 90 | - | 6308 C3 | RB40 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 160 M2 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - RB45 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 160 MX2 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - RB45 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 160 L2 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - RB45 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 160 M4 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - RB45 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 160 L4C | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | - RB45 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 180 M2C | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 200 L2 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 200 LX2C | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 225 M2 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6313 C3 | 65A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 250 M2 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6314 C3 | 70A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 180 M4 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 180 L4 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 200 L4C | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 225 S4C | 6313 C3 | NU 313 E | RB65 | - | 140 | 6312 C3 | 60A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 225 M4 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 250 M4 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 132 S6 | | | | | | | | | | | | | |
| IE3-W41R 132 M6 | 6308 C3 | NU 308 | RB40 | 90 | - | 6308 C3 | RB40 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 132 MX6 | 6308 C3 | NU 308 | RB40 | 90 | - | 6308 C3 | RB40 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 160 M6 | 6310 C3 | NU 310 E | 50 | 110 | - | 6309 C3 | - RB45 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 160 L6C | 6310 C3 | NU 310 E | 50 | 110 | - | 6309 C3 | - RB45 | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 180 L6C | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 200 L6 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 200 LX6C | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 225 M6 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 250 M6 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 280 S2 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6314 C3 | 70A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 280 M2 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6314 C3 | 70A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 280 S4 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 280 M4 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 280 S6, M6 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 315 S2, M2 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6316 C3 | 80A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 315 MX2 | | | | | | | | | | | | | |
| IE3-W41R 315 MY2, L2, LX2 | | | | | | | | | | | | | |
| IE3-W41R 315 S4, M4 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A - | 13 | 14 | 15 | 14 | N-end | |
| IE3-W41R 315 MX4 | | | | | | | | | | | | | |
| IE3-W41R 315 MY4 | | | | | | | | | | | | | |
| IE3-W41R 315 L4, LX4 | | | | | | | | | | | | | |
| IE3-W41R 315 S6 | | | | | | | | | | | | | |
| IE3-W41R 315 M6, MX6, MY6 | | | | | | | | | | | | | |
| IE3-W41R 355 M2 | | | | | | | | | | | | | |
| IE3-W41R 355 M4, 6 | | | | | | | | | | | | | |

¹⁾ Light-duty bearings only

Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3

For fire-gas class FV4, only bearings with a solid brass cage are used

Energy-saving motors IE2-W.1R

| Type | D-end | | | | N-end | | Figure | | Fixed bearing | | |
|-----------------------------|-----------------------|--------|--------|-------------|-------------|-----------------------|--------|--------|---------------|-------|-------|
| | Anti-friction bearing | V-ring | γ-ring | Wave spring | Disc spring | Anti-friction bearing | V-ring | γ-ring | | D-end | N-end |
| | | | | | | | | | | | |
| IE2-WE1R 132 SX2 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE2-WE1R 132 M4, M6, MX6 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE2-W21R 132 S6 | 6208 ZZ C3 | - | RB40 | 80 | - | 6207 ZZ C3 | - | RB35 | 6 | 8 | N-end |
| IE2-WE1R 132 S8 | 6208 ZZ C3 | - | RB40 | 80 | - | 6207 ZZ C3 | - | RB35 | 6 | 8 | N-end |
| IE2-WE1R 132 M8 | 6308 ZZ C3 | - | RB40 | 90 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE2-WE1R 160 M2, M4 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE2-WE1R 160 MX2, L2, L4 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE2-WE1R 160 M6 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE2-WE1R 160 L6 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE2-WE1R 160 M8 | 6309 ZZ C3 | - | RB45 | 100 | - | 6308 ZZ C3 | - | RB40 | 6 | 8 | N-end |
| IE2-WE1R 160 MX8, L8 | 6310 ZZ C3 | - | RB50 | 110 | - | 6309 ZZ C3 | - | RB45 | 6 | 8 | N-end |
| IE2-WE1R 180 M2, M4, L4, L6 | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE2-WE1R 180 L8 | 6310 ZZ C3 | - | RB50 | 110 | - | 6310 ZZ C3 | - | RB50 | 6 | 8 | N-end |
| IE2-WE1R 200 L2, LX2 | 6312 C3 | 60A | - | - | 130 | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE2-WE1R 200 L4, LX6 | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE2-WE1R 200 L6 | 6312 C3 | 60A | - | - | 130 | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE2-WE1R 200 L8 | 6312 C3 | 60A | - | - | 130 | 6310 C3 | 50A | - | 6 | 8 | N-end |
| IE2-WE1R 225 M2 | 6312 C3 | 60A | - | - | 140 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE2-WE1R 225 S4 | 6313 C3 | 65A | - | - | 140 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE2-WE1R 225 M4, M6 | 6314 C3 | 70A | - | - | 140 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE2-WE1R 225 S8 | 6313 C3 | 65A | - | - | 140 | 6312 C3 | 60A | - | 6 | 8 | N-end |
| IE2-WE1R 225 M8 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE2-WE1R 250 M2 | 6313 C3 | 65A | - | - | 140 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE2-WE1R 250 M4 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 | 8 | N-end |
| IE2-WE1R 250 M6 | 6316 C3 | 70A | - | - | 150 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE2-WE1R 250 M8 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE2-WE1R 280 S2, M2 | 6314 C3 | 70A | - | - | 150 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE2-WE1R 280 S4, M4 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE2-WE1R 280 S6 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE2-WE1R 280 M6 | 6317 C3 | 85A | - | - | 170 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE2-WE1R 280 S8 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 | 8 | N-end |
| IE2-WE1R 280 M8 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE2-WE1R 315 S2, M2 | 6316 C3 | 80A | - | - | 170 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE2-WE1R 315 S4, 6; M4 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE2-WE1R 315 M6 | 6220 C3 | - | RB100 | - | 180 | 6316 C3 | 80A | - | 13 | 16 | N-end |
| IE2-WE1R 315 MX2 | 6317 C3 | - | RB85 | - | 180 | 6316 C3 | 80A | - | 13 | 16 | N-end |
| IE2-WE1R 315 MX4 | 6220 C3 | - | RB100 | - | 180 | 6316 C3 | 80A | - | 13 | 16 | N-end |
| IE2-WE1R 315 MX6 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE2-WE1R 315 MY2 | 6317 C3 | - | RB85 | - | 180 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE2-WE1R 315 L2, LX2 | 6317 C3 | - | RB85 | - | 180 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE2-WE1R 315 L4, 6; LX4, 6 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE2-WE1R 315 S8 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 | 8 | N-end |
| IE2-WE1R 315 M8 | 6220 C3 | - | RB100 | - | 180 | 6316 C3 | 80A | - | 13 | 16 | N-end |
| IE2-WE1R 315 MX8 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE2-WE1R 315 MY8 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |
| IE2-WE1R 315 L8, LX8 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 | 19 | N-end |

¹⁾ For types for vertical mounting Q317 C3; figures 18, 21
 (IE2-)WE1R 315 M6; MX; MY; L; LX with relubrication device as standard
 Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3
 For fire-gas class FV4, only bearings with a solid brass cage are used

Energy-saving motors IE2-W.1R

Relubrication device

| Type | D-end | | | | | N-end | | Figure | | | | Fixed bearing |
|-----------------------------|--|---------------------|--------|---------------------------|---------------------------|-----------------------|-----|---------------------|---------------------|---------------------|---------------------|---------------|
| | Anti-friction bearing | | | | | Anti-friction bearing | | D-end | N-end | D-end | N-end | |
| | Light-duty Bearings | Reinforced Bearings | γ-ring | Wave spring ¹⁾ | Disc spring ¹⁾ | V-ring | | Light-duty Bearings | Light-duty Bearings | Reinforced Bearings | Reinforced Bearings | |
| IE2-WE1R 132 SX2 | 6308 C3 | NU 308 E | RB40 | 90 | - | 6308 C3 | 40A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 132 M4, M6, MX6 | 6308 C3 | NU 308 E | RB40 | 90 | - | 6308 C3 | 40A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 132 S6 | not possible at D-end for design reasons | | | | | | | | | | | |
| IE2-WE1R 132 S8 | not possible at D-end for design reasons | | | | | | | | | | | |
| IE2-WE1R 132 M8 | 6308 C3 | NU 308 E | RB40 | 90 | - | 6308 C3 | 40A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 160 M2, M4 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | 45A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 160 MX2, L2, L4 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | 45A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 160 M6 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | 45A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 160 L6 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | 45A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 160 M8 | not possible at D-end for design reasons | | | | | | | | | | | |
| IE2-WE1R 160 MX8, L8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 2Z C3 | - | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 180 M2, M4, L4, L6 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 180 L8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 2Z C3 | - | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 200 L2, LX2 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 200 L4, LX6 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 200 L6 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 200 L8 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 225 M2 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 225 S4 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 225 M4, M6 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 225 S8 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 225 M8 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 250 M2 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6313 C3 | 65A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 250 M4 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 250 M6 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 250 M8 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 280 S2, M2 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 280 S4, M4 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 280 S6 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 280 M6 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 280 S8 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 280 M8 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 315 S2, M2 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 315 S4, 6; M4 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 315 M6 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 MX2 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 MX4 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 MX6 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 MY2 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 L2, LX2 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 L4, 6; LX4, 6 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 S8 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| IE2-WE1R 315 M8 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 MX8 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 MY8 | see basic version | | | | | | | | | | | |
| IE2-WE1R 315 L8, LX8 | see basic version | | | | | | | | | | | |

¹⁾ Light-duty bearings only
 Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3
 For fire-gas class FV4, only bearings with a solid brass cage are used

Standard

| Type | Anti-friction bearing | D-end | | | | N-end | | Figure | | Fixed bearing |
|--|-----------------------|--------|--------|-------------|-------------|-----------------------|--------|-------------|-------|---------------|
| | | V-ring | γ-ring | Wave spring | Disc spring | Anti-friction bearing | | D-end N-end | | |
| | | | | | | V-ring | γ-ring | | | |
| (IE1-)K11R 132 S, SX2, M6, 8 | 6208 2RS C3 | - | RB40 | 80 | - | 6207 2RS C3 | - | RB35 | 6 8 | N-end |
| (IE1-)K11R 132 M4, MX6 | 6308 2RS C3 | - | RB40 | 90 | - | 6308 2RS C3 | - | RB40 | 6 8 | N-end |
| (IE1-)K11R 160 M, MX6 | 6309 2RS C3 | - | RB45 | 100 | - | 6308 2RS C3 | - | RB40 | 6 8 | N-end |
| (IE1-)K11R 160 MX2, L | 6310 2RS C3 | - | RB50 | 110 | - | 6309 2RS C3 | - | RB45 | 6 8 | N-end |
| (IE1-)K11R 180 M4, L6, 8 | 6310 2RS C3 | - | RB50 | 110 | - | 6309 2RS C3 | - | RB45 | 6 8 | N-end |
| (IE1-)K11R 180 M2, L4 | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 8 | N-end |
| (IE1-)K11R 200 L, LX6 | 6312 C3 | 60A | - | - | 130 | 6310 C3 | 50A | - | 6 8 | N-end |
| (IE1-)K11R 200 LX2 | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 8 | N-end |
| (IE1-)K11R 225 M2 | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 8 | N-end |
| (IE1-)K11R 225 S4, 8, M4, 6, 8 | 6313 C3 | 65A | - | - | 140 | 6312 C3 | 60A | - | 6 8 | N-end |
| (IE1-)K11R 250 M2 | 6313 C3 | 65A | - | - | 140 | 6313 C3 | 65A | - | 6 8 | N-end |
| (IE1-)K11R 250 M4, 6, 8 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 8 | N-end |
| (IE1-)K11R 280 S2, M2 | 6314 C3 | 70A | - | - | 150 | 6314 C3 | 70A | - | 6 8 | N-end |
| (IE1-)K11R 280 S4, 6, 8, M4, 6, 8 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 8 | N-end |
| (IE1-)K11R 315 S2, M2 | 6316 C3 | 80A | - | - | 170 | 6316 C3 | 80A | - | 6 8 | N-end |
| (IE1-)K11R 315 S4, 6, 8, M4, 6, 8 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 8 | N-end |
| (IE1-)K11R 315 MX2 | 6317 C3 | - | RB85 | - | 180 | 6316 C3 | 80A | - | 13 16 | N-end |
| (IE1-)K11R 315 MX4, 6, 8 | 6220 C3 | - | RB100 | - | 180 | 6316 C3 | 80A | - | 13 16 | N-end |
| (IE1-)K11R 315 MY2 | 6317 C3 | - | RB85 | - | 180 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |
| (IE1-)K11R 315 MY4, 6, 8 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |
| (IE1-)K11R 315 L2, LX2 | 6317 C3 | - | RB85 | - | 180 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |
| (IE1-)K11R 315 L4, 6, 8, LX4, 6, 8 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |
| (IE1-)K22R 355 MY/M/MX/LY/L 2-pole | 6317 C3 | - | RB85 | - | 180 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |
| (IE1-)K22R 355 MY/M/MX/LY/L 4-, 6-, 8-pole | 6324 C3 | - | RB120 | - | 260 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |

¹⁾ For types for vertical mounting Q317 C3; figures 18, 21
 From size (IE1-)K11R 315 MX with relubrication device as standard
 Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3
 For fire-gas class FV4, only bearings with a solid brass cage are used

| Type | Anti-friction bearing | D-end | | | | N-end | | Figure | | Fixed bearing |
|--|-----------------------|--------|--------|-------------|-------------|-----------------------|--------|-------------|-------|---------------|
| | | V-ring | γ-ring | Wave spring | Disc spring | Anti-friction bearing | | D-end N-end | | |
| | | | | | | V-ring | γ-ring | | | |
| (IE1-)K10R 132 S, M | 6308 2RS C3 | - | RB40 | 90 | - | 6308 2RS C3 | - | RB40 | 6 8 | N-end |
| (IE1-)K10R 160 S, M | 6310 2RS C3 | - | RB50 | 110 | - | 6309 2RS C3 | - | RB45 | 6 8 | N-end |
| (IE1-)K10R 180 S2, M2 | 6310 C3 | 50A | - | 110 | - | 6310 C3 | 50A | - | 6 8 | N-end |
| (IE1-)K10R 180 S4, 6, 8, M4, 6, 8 | 6312 C3 | 60A | - | - | 130 | 6310 C3 | 50A | - | 6 8 | N-end |
| (IE1-)K10R 200 M2, L2 | 6312 C3 | 60A | - | - | 130 | 6312 C3 | 60A | - | 6 8 | N-end |
| (IE1-)K10R 200 M4, 6, 8, L4, 6, 8 | 6313 C3 | 65A | - | - | 140 | 6312 C3 | 60A | - | 6 8 | N-end |
| (IE1-)K10R 225 M2 | 6313 C3 | 65A | - | - | 140 | 6313 C3 | 65A | - | 6 8 | N-end |
| (IE1-)K10R 225 M4, 6, 8 | 6314 C3 | 70A | - | - | 150 | 6313 C3 | 65A | - | 6 8 | N-end |
| (IE1-)K10R 250 S2, M2 | 6314 C3 | 70A | - | - | 150 | 6314 C3 | 70A | - | 6 8 | N-end |
| (IE1-)K10R 250 S4, 6, 8, M4, 6, 8 | 6316 C3 | 80A | - | - | 170 | 6314 C3 | 70A | - | 6 8 | N-end |
| (IE1-)K10R 280 S2, M2 | 6316 C3 | 80A | - | - | 170 | 6316 C3 | 80A | - | 6 8 | N-end |
| (IE1-)K10R 280 S4, 6, 8, M4, 6, 8 | 6317 C3 | 85A | - | - | 180 | 6316 C3 | 80A | - | 6 8 | N-end |
| (IE1-)K10R 315 S2 | 6317 C3 | - | RB85 | - | 180 | 6316 C3 | 80A | - | 13 16 | N-end |
| (IE1-)K10R 315 S4, 6, 8 | 6220 C3 | - | RB100 | - | 180 | 6316 C3 | 80A | - | 13 16 | N-end |
| (IE1-)K10R 315 M2, L2, LX2 | 6317 C3 | - | RB85 | - | 180 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |
| (IE1-)K10R 315 M4, 6, 8, L4, 6, 8, LX4, 6, 8 | 6320 C3 | - | RB100 | - | 215 | 6317 C3 ¹⁾ | 85A | - | 18 19 | N-end |

¹⁾ For types for vertical mounting Q317 C3; figures 18, 21
 From size (IE1-)K11R 315 MX with relubrication device as standard
 Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3
 For fire-gas class FV4, only bearings with a solid brass cage are used

Relubrication device

| Type | D-end | | | | | N-end | | Figure | | | | Fixed bearing |
|--|--|---------------------|--------|---------------------------|---------------------------|-----------------------|---------------------|-------------------------|---------------------|---------------------|----|---------------|
| | Anti-friction bearing | | | | | Anti-friction bearing | | D-end N-end D-end N-end | | | | |
| | Light-duty Bearings | Reinforced Bearings | γ-ring | Wave spring ¹⁾ | Disc spring ¹⁾ | V-ring | Light-duty Bearings | Light-duty Bearings | Reinforced Bearings | Reinforced Bearings | | |
| (IE1-)K11R 132 S, SX2, M6, 8 | not possible at D-end for design reasons | | | | | | | | | | | |
| (IE1-)K11R 132 M4, MX6 | 6308 C3 | NU308 E | RB40 | 90 | | 6308 C3 | 40A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 160 M, MX6 | not possible at D-end for design reasons | | | | | | | | | | | |
| (IE1-)K11R 160 MX2, L | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | 45A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 180 M4, L6, 8 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | 45A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 180 M2, L4 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 200 L, LX6 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 200 LX2 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 225 M2 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 225 S4, 8, M4, 6, 8 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 250 M2 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6313 C3 | 65A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 250 M4, 6, 8 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 280 S2, M2 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 280 S4, 6, 8, M4, 6, 8 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 315 S2, M2 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 315 S4, 6, 8, M4, 6, 8 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| (IE1-)K11R 315 MX2 | | | | | | see basic version | | | | | | |
| (IE1-)K11R 315 MX4, 6, 8 | | | | | | see basic version | | | | | | |
| (IE1-)K11R 315 MY2 | | | | | | see basic version | | | | | | |
| (IE1-)K11R 315 MY4, 6, 8 | | | | | | see basic version | | | | | | |
| (IE1-)K11R 315 L2, LX2 | | | | | | see basic version | | | | | | |
| (IE1-)K11R 315 L4, 6, 8, LX4, 6, 8 | | | | | | see basic version | | | | | | |
| (IE1-)K22R 355 MY/M/MX/LY/L 2-pole | | | | | | see basic version | | | | | | |
| (IE1-)K22R 355 MY/M/MX/LY/L 4-, 6-, 8-pole | | | | | | see basic version | | | | | | |

¹⁾ Light-duty bearings only

Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3

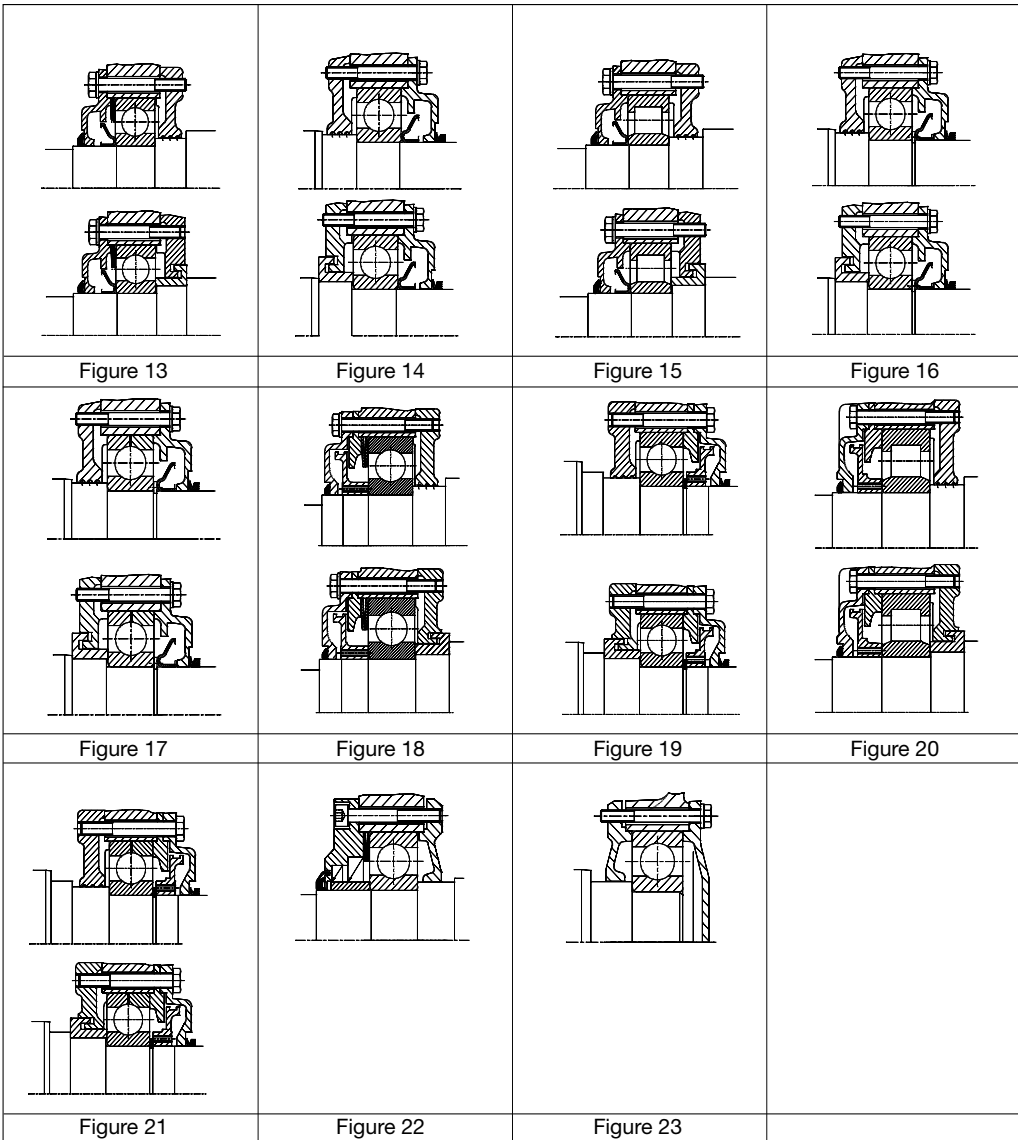
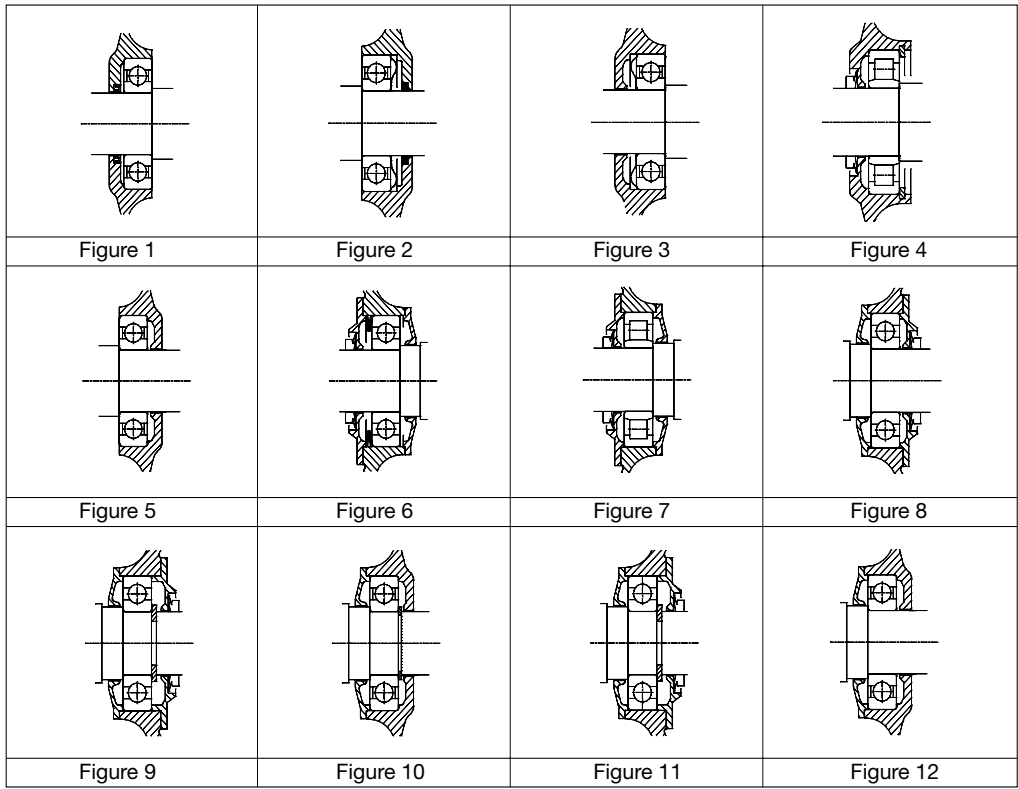
For fire-gas class FV4, only bearings with a solid brass cage are used

| Type | D-end | | | | | N-end | | Figure | | | | Fixed bearing |
|--|-----------------------|---------------------|--------|---------------------------|---------------------------|-----------------------|---------------------|-------------------------|---------------------|---------------------|----|---------------|
| | Anti-friction bearing | | | | | Anti-friction bearing | | D-end N-end D-end N-end | | | | |
| | Light-duty Bearings | Reinforced Bearings | γ-ring | Wave spring ¹⁾ | Disc spring ¹⁾ | V-ring | Light-duty Bearings | Light-duty Bearings | Reinforced Bearings | Reinforced Bearings | | |
| (IE1)-K10R 132 S, M | 6308 C3 | NU 308 E | RB40 | 90 | - | 6308 C3 | 40A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 160 S, M | 6310 C3 | NU 310 E | RB50 | 110 | - | 6309 C3 | 45A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 180 S2, M2 | 6310 C3 | NU 310 E | RB50 | 110 | - | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 180 S4, 6, 8, M4, 6, 8 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6310 C3 | 50A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 200 M2, L2 | 6312 C3 | NU 312 E | RB60 | - | 130 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 200 M4, 6, 8, L4, 6, 8 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6312 C3 | 60A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 225 M2 | 6313 C3 | NU 313 E | RB65 | - | 140 | 6313 C3 | 65A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 225 M4, 6, 8 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6313 C3 | 65A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 250 S2, M2 | 6314 C3 | NU 314 E | RB70 | - | 150 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 250 S4, 6, 8, M4, 6, 8 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6314 C3 | 70A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 280 S2, M2 | 6316 C3 | NU 316 E | RB80 | - | 170 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 280 S4, 6, 8, M4, 6, 8 | 6317 C3 | NU 317 E | RB85 | - | 180 | 6316 C3 | 80A | 13 | 14 | 15 | 14 | N-end |
| (IE1)-K10R 315 S2 | | | | | | see basic version | | | | | | |
| (IE1)-K10R 315 S4, 6, 8 | | | | | | see basic version | | | | | | |
| (IE1)-K10R 315 M2, L2, LX2 | | | | | | see basic version | | | | | | |
| (IE1)-K10R 315 M4, 6, 8, L4, 6, 8, LX4, 6, 8 | | | | | | see basic version | | | | | | |

¹⁾ Light-duty bearings only

Bearings corresponding to fire-gas classes FV, FV1, FV2 and FV3

For fire-gas class FV4, only bearings with a solid brass cage are used



Dimensions

Flange dimensions

Flanges with threaded holes

| Flange type to E DIN EN 50347 | Flange type to DIN 42948 | LA c ₁ | M e ₁ | N b ₁ | P a ₁ | S s ₁ | T f ₁ |
|----------------------------------|-----------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| FT 65 | C 80 | 6,5 | 65 | 50 | 80 | M5 | 2,5 |
| FT 75 | C 90 | 8 | 75 | 60 | 90 | M5 | 2,5 |
| FT 85 | C 105 | 8,5 | 85 | 70 | 105 | M6 | 2,5 |
| FT 100 | C 120 | 8 | 100 | 80 | 120 | M6 | 3 |
| FT 115 | C 140 | 10 | 115 | 95 | 140 | M8 | 3 |
| FT 130 | C 160 | 10 | 130 | 110 | 160 | M8 | 3,5 |
| FT 165 | C 200 | 12 | 165 | 130 | 200 | M10 | 3,5 |
| FT 215 | C 250 | 12 | 215 | 180 | 250 | M12 | 4 |

Flanges with through-holes

| Flange type to E DIN EN 50347 | Flange type to DIN 42948 | LA c ₁ | M e ₁ | N b ₁ | P a ₁ | S s ₁ | T f ₁ |
|----------------------------------|-----------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| FF 100 | A 120 | 9 | 100 | 80 | 120 | 7 | 3 |
| FF 115 | A 140 | 9 | 115 | 95 | 140 | 9 | 3 |
| FF 130 | A 160 | 9 | 130 | 110 | 160 | 9 | 3,5 |
| FF 165 | A 200 | 10 | 165 | 130 | 200 | 11 | 3,5 |
| FF 215 | A 250 | 11 | 215 | 180 | 250 | 14 | 4 |
| FF 265 | A 300 | 12 | 265 | 230 | 300 | 14 | 4 |
| FF 300 | A 350 | 13 | 300 | 250 | 350 | 18 | 5 |
| FF 350 | A 400 | 15 | 350 | 300 | 400 | 18 | 5 |
| FF 400 | A 450 | 16 | 400 | 350 | 450 | 18 | 5 |
| FF 500 | A 550 | 18 | 500 | 450 | 550 | 18 | 5 |
| FF 600 | A 660 | 22 | 600 | 550 | 660 | 22 | 6 |
| FF 740 | A 800 | 25 | 740 | 680 | 800 | 22 | 6 |

According to DIN EN 50347, the different sizes of FF flanges possess through-holes, while FT flanges possess threaded holes. The flange designations A and C defined in DIN 42948 remain valid.

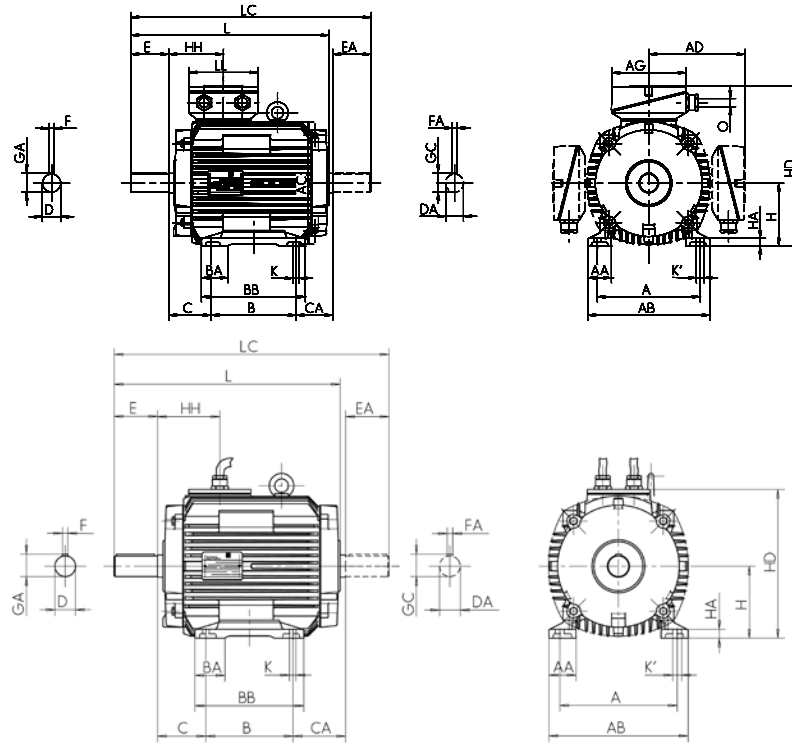
Flange assignments which deviate from the standard are specified in the flange assignment tables.

For tolerances for the dimension N (b₁), refer to the corresponding dimension tables LA (c₁) depth of engagement

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 200

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|-----------------------|-------------|-----|----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | e | w1 | w2 | d | d1 | l | l1 | u | u1 | |
| IE3-W41R 132 SX2 FAN | FF 265 | 216 | 50 | 256 | 258 | 199 | 140 | 53 | 180 | 89 | 117 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 S4 FAN | FF 265 | 216 | 50 | 256 | 258 | 199 | 140 | 53 | 180 | 89 | 165 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 M4 FAN | FF 265 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 177 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 M6 FAN | FF 265 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 79 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 MX6 FAN | FF 265 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 177 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 S8 FAN | FF 265 | 216 | 50 | 256 | 258 | 199 | 140 | 53 | 180 | 89 | 117 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 M8 FAN | FF 265 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 79 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 160 M2 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 MX2 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L2 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 M4 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L4C FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 M6 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L6C FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 M8 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 MX8 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L8 FAN | FF 300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 180 M2C FAN | FF 300 | 279 | 62 | 328 | 351 | 261 | 241 | 65 | 288 | 121 | 152 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| IE3-W41R 180 M4 FAN | FF 300 | 279 | 62 | 328 | 351 | 261 | 241 | 65 | 288 | 121 | 152 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| IE3-W41R 180 L4 FAN | FF 300 | 279 | 62 | 328 | 351 | 261 | 279 | 65 | 326 | 121 | 164 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| IE3-W41R 180 L6C FAN | FF 300 | 279 | 62 | 328 | 351 | 261 | 279 | 65 | 326 | 121 | 114 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| IE3-W41R 180 L8 FAN | FF 300 | 279 | 62 | 328 | 351 | 261 | 279 | 65 | 326 | 121 | 114 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| IE3-W41R 200 L2 FAN | FF 350 | 318 | 70 | 372 | 390 | 300 | 305 | 70 | 360 | 133 | 147 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE3-W41R 200 LX2C FAN | FF 350 | 318 | 70 | 372 | 390 | 300 | 305 | 70 | 360 | 133 | 147 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE3-W41R 200 L4C FAN | FF 350 | 318 | 70 | 372 | 390 | 300 | 305 | 70 | 360 | 133 | 147 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE3-W41R 200 L6 FAN | FF 350 | 318 | 70 | 372 | 390 | 300 | 305 | 70 | 360 | 133 | 147 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE3-W41R 200 LX6C FAN | FF 350 | 318 | 70 | 372 | 390 | 300 | 305 | 70 | 360 | 133 | 147 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE3-W41R 200 L8 FAN | FF 350 | 318 | 70 | 372 | 351 | 261 | 305 | 70 | 360 | 133 | 126 | 55 | 48 | M20 | 110 | 110 | 16 | 14 |

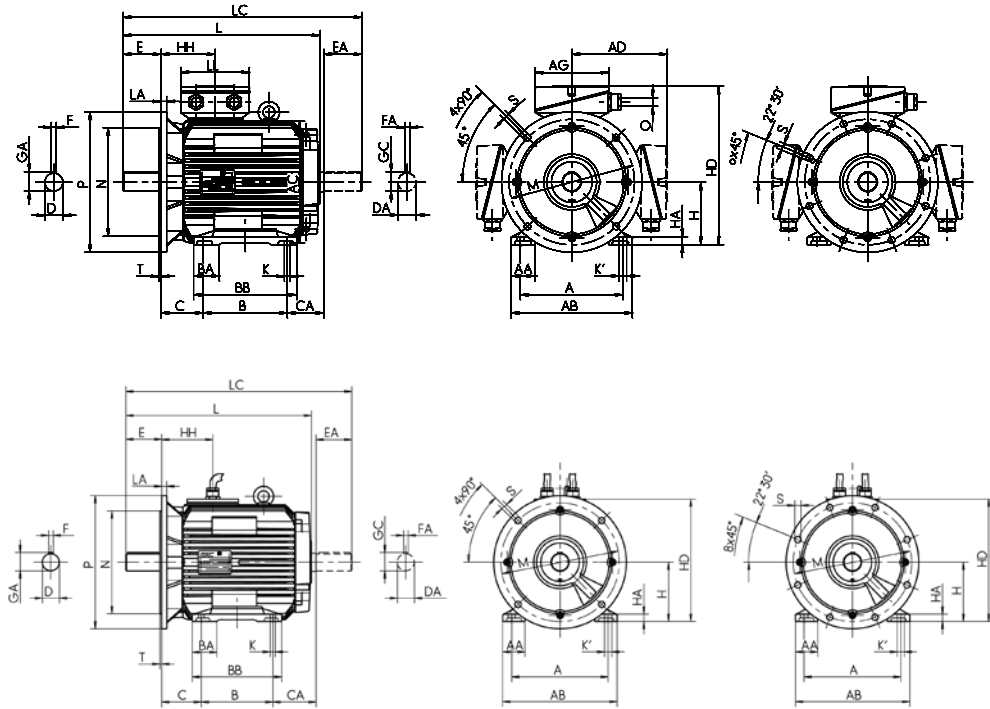
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 132 to 200

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



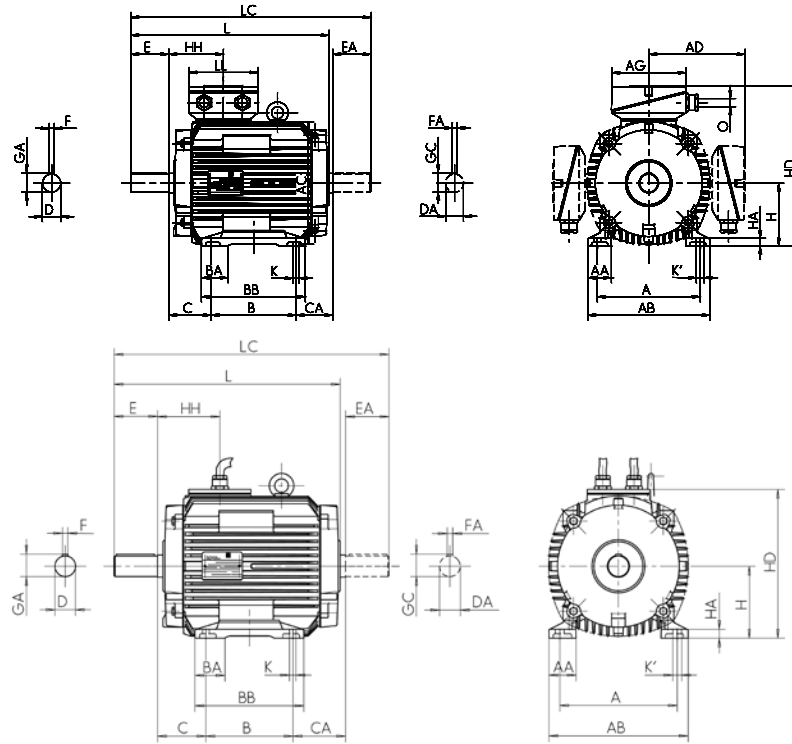
| Type designation | GA | GC | H | HA | HD | HD ^{**}) | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|-----------------------|------|------|-----|----|-----|--------------------|-----|-----|----|----|-----|-----|---------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | x | z | - | pattern | Bl |
| IE3-W41R 132 SX2 FAN | 41 | 35 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 S4 FAN | 41 | 35 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M4 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 522 | 604 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M6 FAN | 41 | 35 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 MX6 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 522 | 604 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 S8 FAN | 41 | 35 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M8 FAN | 41 | 35 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 160 M2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 MX2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M4 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L4C FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M6 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L6C FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 15 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 MX8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 M2C FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 M4 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 L4 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 675 | 784 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 L6C FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 L8 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 200 L2 FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| IE3-W41R 200 LX2C FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| IE3-W41R 200 L4C FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE3-W41R 200 L6 FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE3-W41R 200 LX6C FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE3-W41R 200 L8 FAN | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 675 | 784 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |

***) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 225 to 280

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|----------------------|-------------|-----|----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE3-W41R 225 M2 FAN | FF 400 | 356 | 75 | 413 | 440 | 324 | 311 | 75 | 368 | 149 | 147 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE3-W41R 225 S4C FAN | FF 400 | 356 | 75 | 413 | 390 | 300 | 286 | 75 | 343 | 149 | 200 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 225 M4 FAN | FF 400 | 356 | 75 | 413 | 440 | 324 | 311 | 75 | 368 | 149 | 197 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 225 M6 FAN | FF 400 | 356 | 75 | 413 | 440 | 324 | 311 | 75 | 368 | 149 | 147 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 225 S8 FAN | FF 400 | 356 | 75 | 413 | 390 | 300 | 286 | 75 | 343 | 149 | 150 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 225 M8 FAN | FF 400 | 356 | 75 | 413 | 440 | 324 | 311 | 75 | 368 | 149 | 147 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 250 M2 FAN | FF 500 | 406 | 84 | 469 | 490 | 386 | 349 | 84 | 374 | 168 | 154 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 250 M4 FAN | FF 500 | 406 | 84 | 469 | 490 | 386 | 349 | 84 | 412 | 168 | 154 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 250 M6 FAN | FF 500 | 406 | 84 | 469 | 490 | 386 | 349 | 84 | 412 | 168 | 154 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 250 M8 FAN | FF 500 | 406 | 84 | 471 | 440 | 386 | 349 | 84 | 412 | 168 | 140 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE3-W41R 280 S2 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 113 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 280 M2 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 419 | 96 | 482 | 190 | 109 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 280 S4 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 160 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE3-W41R 280 M4 FAN | FF 500 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | 482 | 190 | 192 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE3-W41R 280 S6 FAN | FF 500 | 457 | 88 | 522 | 550 | 416 | 368 | 94 | 431 | 190 | 188 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE3-W41R 280 M6 FAN | FF 500 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | 482 | 190 | 192 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE3-W41R 280 S8 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 113 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE3-W41R 280 M8 FAN | FF 500 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | 482 | 190 | 192 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |

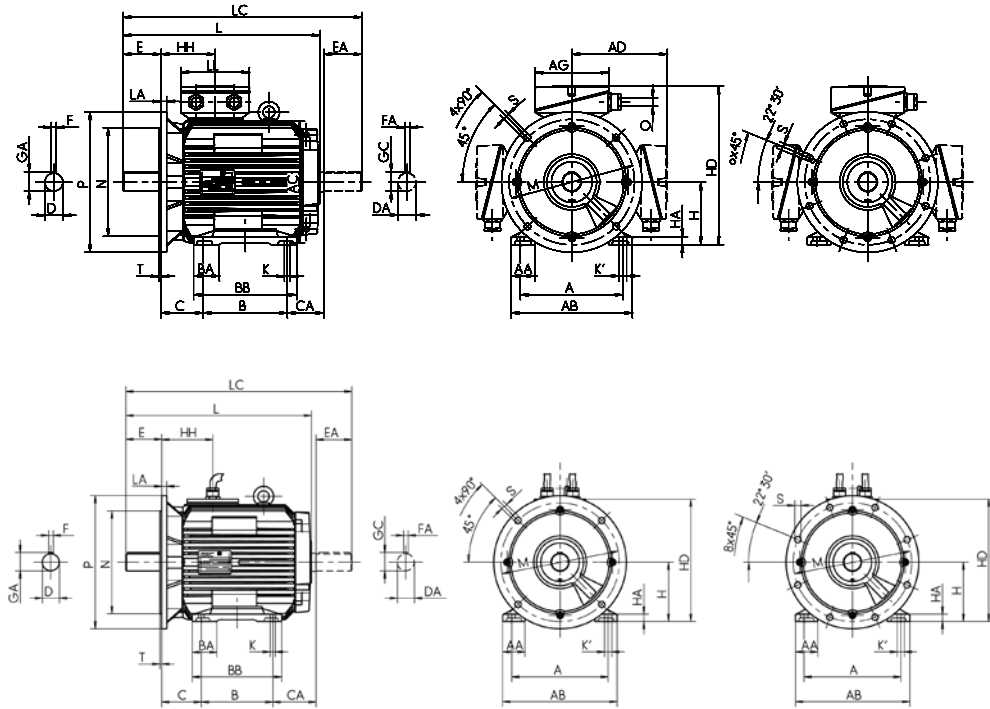
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 225 to 280

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



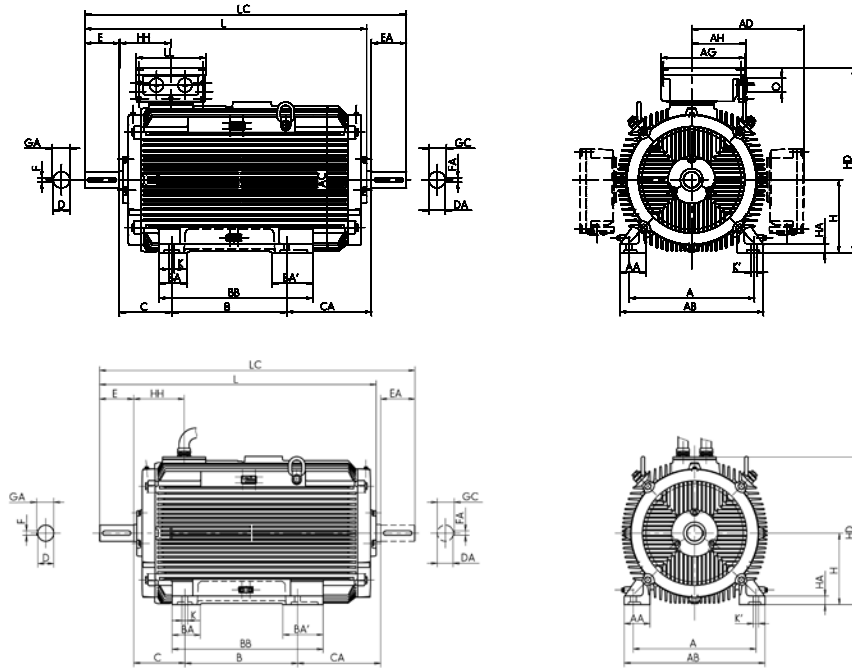
| Type designation | GA | GC | H | HA | HD | HD ^{**}) | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|----------------------|------|----|-----|----|-----|--------------------|-----|-----|----|----|-----|------|---------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | x | z | - | pattern | Bl |
| IE3-W41R 225 M2 FAN | 59 | 59 | 225 | 25 | 549 | 450 | 460 | 177 | 19 | 25 | 707 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE3-W41R 225 S4C FAN | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 778 | 885 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE3-W41R 225 M4 FAN | 64 | 59 | 225 | 25 | 549 | 450 | 460 | 177 | 19 | 25 | 787 | 907 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE3-W41R 225 M6 FAN | 64 | 59 | 225 | 25 | 549 | 450 | 460 | 177 | 19 | 25 | 787 | 907 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE3-W41R 225 S8 FAN | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 728 | 835 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE3-W41R 225 M8 FAN | 64 | 59 | 225 | 25 | 549 | 450 | 460 | 177 | 19 | 25 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE3-W41R 250 M2 FAN | 64 | 59 | 250 | 28 | 636 | 493 | 535 | 206 | 24 | 30 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 250 M4 FAN | 69 | 59 | 250 | 28 | 636 | 493 | 535 | 206 | 24 | 30 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE3-W41R 250 M6 FAN | 69 | 59 | 250 | 28 | 636 | 493 | 535 | 206 | 24 | 30 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE3-W41R 250 M8 FAN | 69 | 59 | 250 | 28 | 636 | 484 | 485 | 177 | 24 | 30 | 787 | 907 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE3-W41R 280 S2 FAN | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 M2 FAN | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 S4 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE3-W41R 280 M4 FAN | 79.5 | 69 | 280 | 40 | 696 | 555 | 595 | 211 | 24 | 30 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 S6 FAN | 79.5 | 69 | 280 | 40 | 696 | 555 | 595 | 211 | 24 | 30 | 879 | 1026 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 M6 FAN | 79.5 | 69 | 280 | 40 | 696 | 555 | 595 | 211 | 24 | 30 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 S8 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 M8 FAN | 79.5 | 69 | 280 | 40 | 696 | 555 | 595 | 211 | 24 | 30 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |

** Terminal box left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, Premium Efficiency IE3**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 315

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BA' | BB | C | CA | D | DA | DB' ¹⁾ | E | EA | F | FA |
|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE3-W41R 315 S2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 406 | 120 | - | 503 | 216 | 124 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 315 M2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 128 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 315 MX2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | 150 | 554 | 216 | 234 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 315 MY2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 304 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 315 L2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 315 LX2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 493 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE3-W41R 315 S4 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 406 | 120 | - | 503 | 216 | 124 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 M4 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 MX4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | 150 | 554 | 216 | 234 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 MY4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 304 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 L4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 LX4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 493 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 S6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 406 | 120 | 150 | 554 | 216 | 285 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 M6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 304 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 MX6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 234 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 L6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 S8 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 179 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 M8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | 150 | 554 | 216 | 234 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 MX8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 304 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE3-W41R 315 L8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |

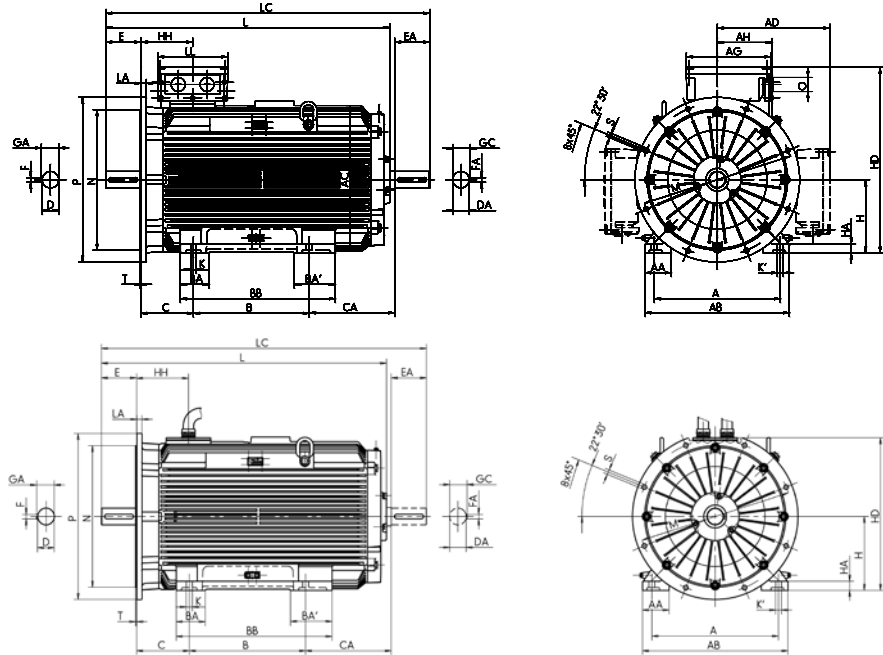
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 315

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



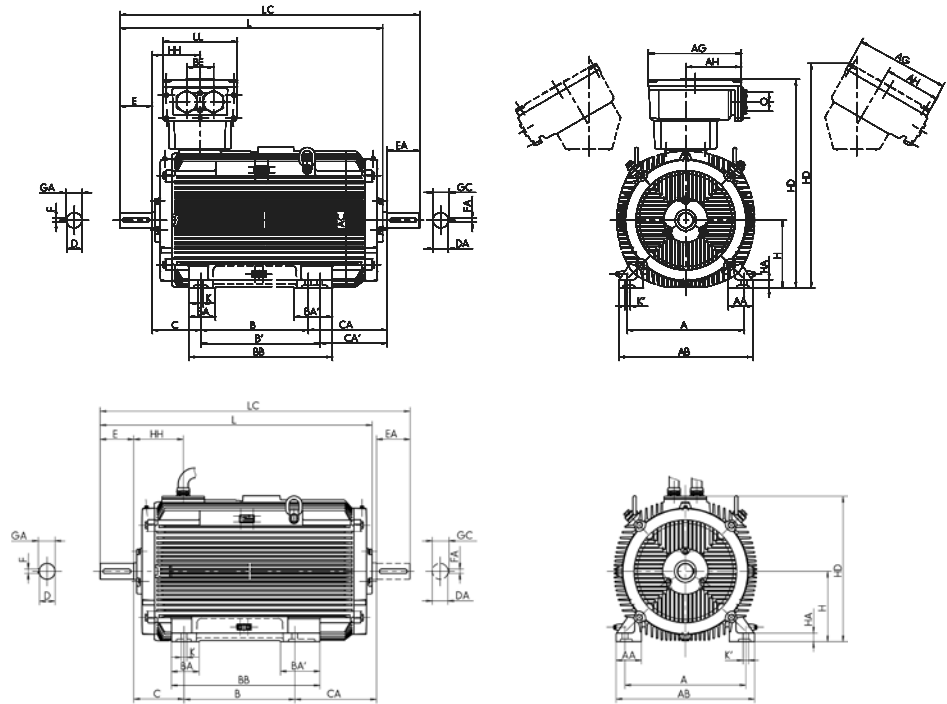
| Type designation | GA | GC | H | HA | HD | HD ^{**} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | O | BI |
|----------------------|----|------|-----|----|-----|------------------|-----|-----|----|----|------|------|---------|-----|-----|-----|-----------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | x | z | - | r | BI |
| IE3-W41R 315 S2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 879 | 1026 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 M2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 934 | 1081 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 MX2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1043 | 1187 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MY2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1113 | 1257 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1233 | 1377 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 LX2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1353 | 1497 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 S4 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 M4 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 MX4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MY4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 LX4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1383 | 1527 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 S6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 M6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MX6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 S8 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 M8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MX8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |

**) Terminal box left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, Premium Efficiency IE3**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 355

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | B | BA | BA' | BB | C | CA | D | DA | DB' | E | EA | F | FA |
|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|
| | | b | n | f | g | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE3-W41R 355 MY2 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 404 | 80 | 80 | M20 | 170 | 170 | 22 | 22 |
| IE3-W41R 355 M2 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 404 | 80 | 80 | M20 | 170 | 170 | 22 | 22 |
| IE3-W41R 355 MX2 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 604 | 80 | 80 | M20 | 170 | 170 | 22 | 22 |
| IE3-W41R 355 L2 FAN | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 611 | 80 | 80 | M20 | 170 | 170 | 22 | 22 |
| IE3-W41R 355 MY4 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 534 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 M 4 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 404 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 MX4 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 604 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 L4 FAN | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 534 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 MY6 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 404 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 M6 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 404 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 MX6 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 604 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 L6 FAN | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 534 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 LX6 FAN | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 534 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 MY8 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 404 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 M8 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 404 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 MX8 FAN | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 604 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 L8 FAN | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 534 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| IE3-W41R 355 LX8 FAN | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 534 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |

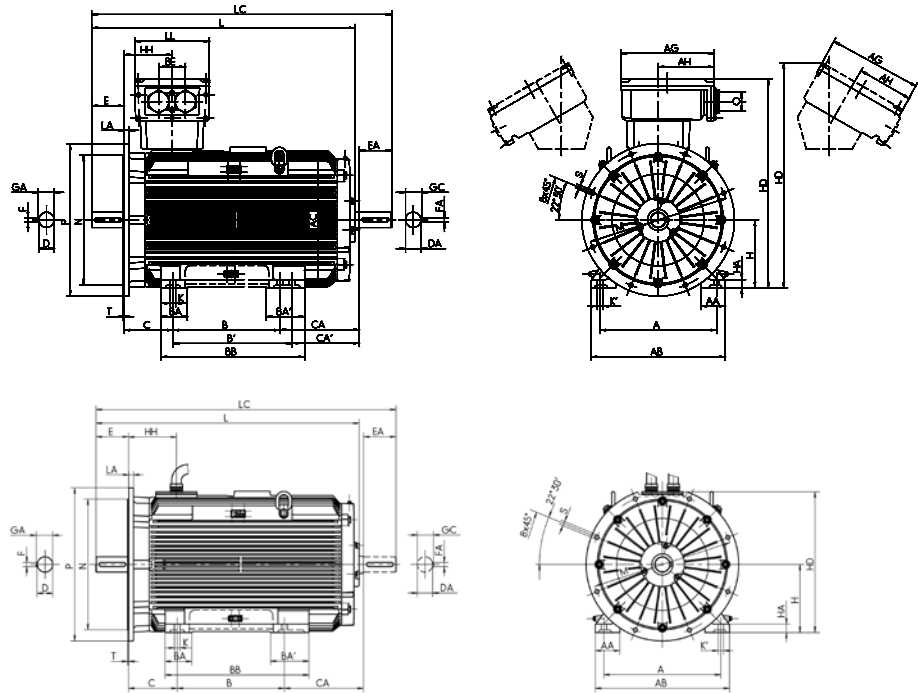
¹ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 355

Type of construction IM B35 [IM 1001]

Flange dimensions, see page 8/23



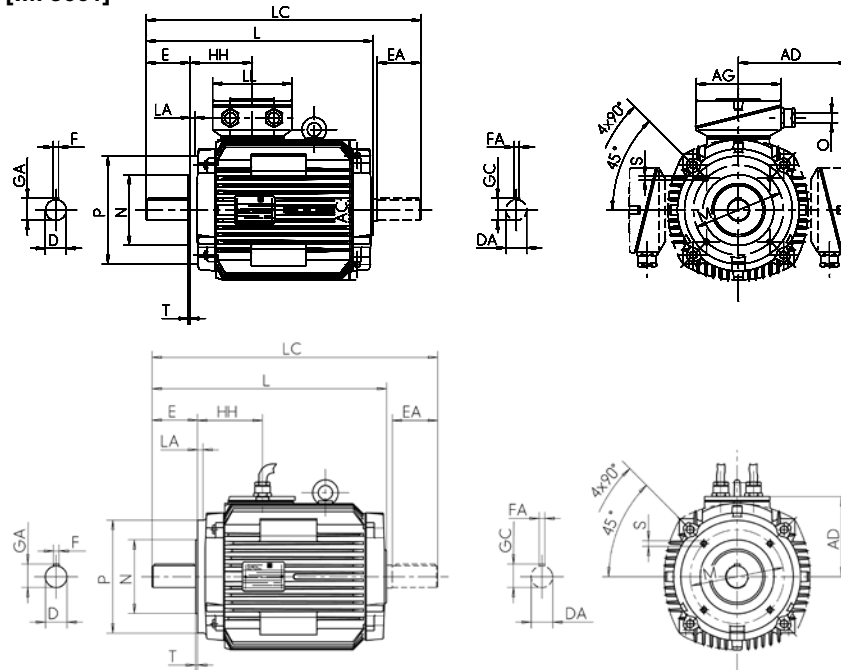
| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | BE | O | BI |
|----------------------|-----|----|-----|----|------|------------------|-----|-----|----|----|------|------|---------|-----|-----|-----|-----|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | x | z | - | - | r | BI | |
| IE3-W41R 355 MY2 FAN | 85 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M2 FAN | 85 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX2 FAN | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1565 | 1758 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 L2 FAN | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1565 | 1758 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 MY4 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M 4 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX4 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1605 | 1798 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 L4 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 MY6 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M6 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX6 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1605 | 1798 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 L 6 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 LX6 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 MY8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1605 | 1798 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 L8 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 LX8 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |

^{*)} Terminal box inclined left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, Premium Efficiency IE3**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 132 to 160

Type of construction IM B14 [IM 3601]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BA' | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|----------------------|-------------|--------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE3-W41R 132 SX2 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 140 | 53 | 180 | 89 | 117 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 S4 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 140 | 53 | 180 | 89 | 165 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 M4 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 177 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 M6 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 79 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 MX6 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 177 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 S8 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 140 | 53 | 180 | 89 | 117 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 132 M8 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 79 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE3-W41R 160 M2 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 MX2 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L2 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 M4 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L4C FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 M6 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L6C FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 M8 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 MX8 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE3-W41R 160 L8 FAN | FT 215 | C300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |

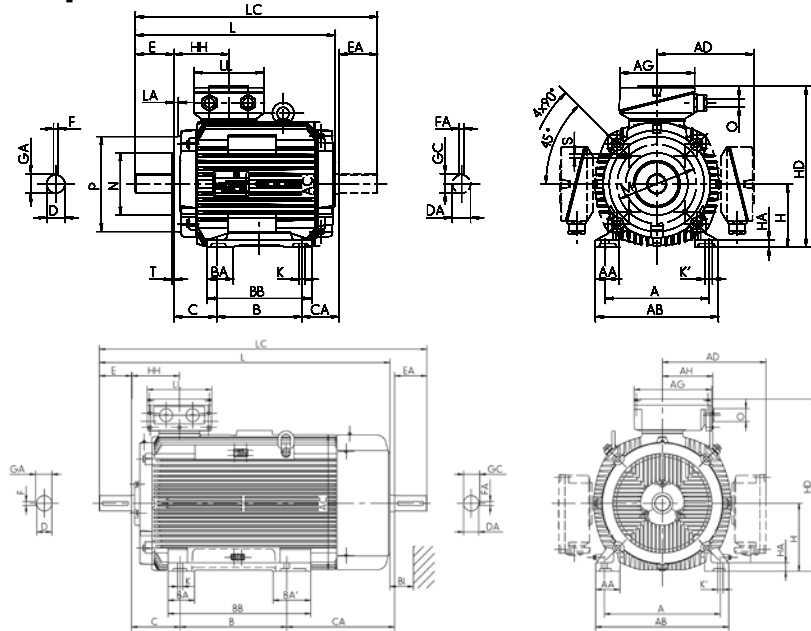
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 132 to 160

Type of construction IM B34 [IM 2101]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | O | BI |
|----------------------|----|----|-----|----|-----|------------------|-----|-----|----|----|-----|-----|---------|-----|-----|-----------|----|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | x | z | - | r | BI |
| IE3-W41R 132 SX2 FAN | 41 | 35 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 S4 FAN | 41 | 35 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M4 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 522 | 604 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M6 FAN | 41 | 35 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 MX6 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 522 | 604 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 S8 FAN | 41 | 35 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M8 FAN | 41 | 35 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 160 M2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 MX2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M4 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L4C FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M6 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L6C FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 MX8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |

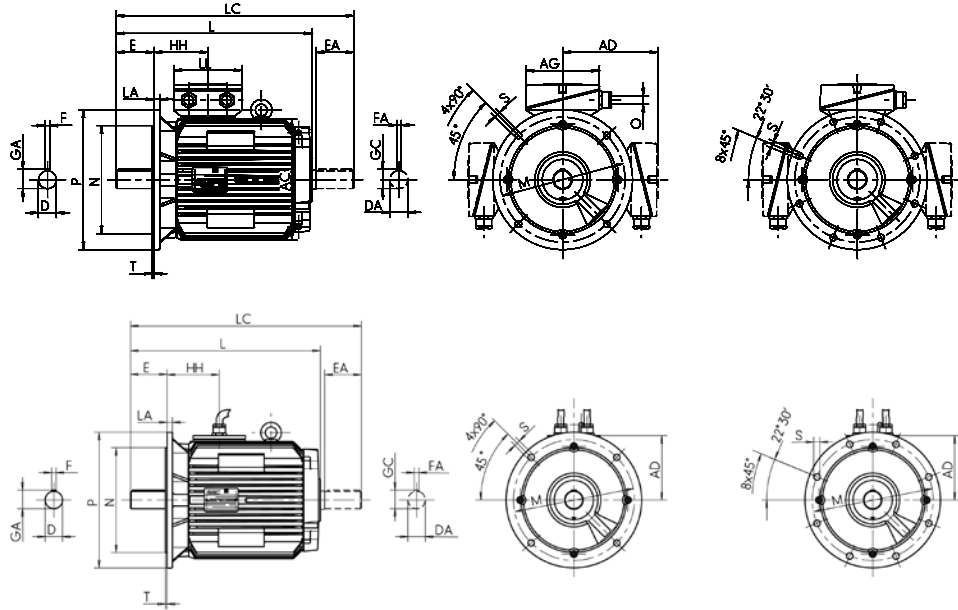
**) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 280

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | O | Hole | BI |
|-----------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|------|-----|-----|-----|-----|---------|-----|-----|-----------|---------|----|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | x | z | - | pattern | BI |
| IE3-W41R 132 SX2 FAN | FF 265 | 258 | 199 | 144 | 38 | 32 | M12 | 80 | 80 | 10 | 10 | 41 | 35 | 132 | 114 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 S4 FAN | FF 265 | 258 | 199 | 144 | 38 | 32 | M12 | 80 | 80 | 10 | 10 | 41 | 35 | 132 | 114 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M4 FAN | FF 265 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 522 | 604 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M6 FAN | FF 265 | 258 | 199 | 144 | 38 | 32 | M12 | 80 | 80 | 10 | 10 | 41 | 35 | 132 | 114 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 MX6 FAN | FF 265 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 522 | 604 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 S8 FAN | FF 265 | 258 | 199 | 144 | 38 | 32 | M12 | 80 | 80 | 10 | 10 | 41 | 35 | 132 | 114 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 132 M8 FAN | FF 265 | 258 | 199 | 144 | 38 | 32 | M12 | 80 | 80 | 10 | 10 | 41 | 35 | 132 | 114 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE3-W41R 160 M2 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 MX2 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L2 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M4 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L4C FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M6 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L6C FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 M8 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 MX8 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 160 L8 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 M2C FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 M4 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 L4 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 675 | 784 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 L6C FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 180 L8 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE3-W41R 200 L2 FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| IE3-W41R 200 LX2C FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| IE3-W41R 200 L4C FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE3-W41R 200 L6 FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE3-W41R 200 LX6C FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE3-W41R 200 L8 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 675 | 784 | 63 A | 193 | 167 | M50 x 1.5 | 4L | 35 |
| IE3-W41R 225 M2 FAN | FF 400 | 440 | 324 | 235 | 60 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 225 | 177 | 707 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE3-W41R 225 S4C FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 778 | 885 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE3-W41R 225 M4 FAN | FF 400 | 440 | 324 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 177 | 787 | 907 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE3-W41R 225 M6 FAN | FF 400 | 440 | 324 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 177 | 787 | 907 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE3-W41R 225 S8 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 728 | 835 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE3-W41R 225 M8 FAN | FF 400 | 440 | 324 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 177 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |

| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB | AG | LL | O | Hole | BI |
|---------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|----|-----|-----|-----|------|-------|-----|---------|-----------|------|----|
| | | g | g1 | g1 | d | d1 | l | l1 | u | u1 | t | t1 | h | A | k | k1 | x | z | - | pattern | BI | | |
| IE3-W41R 250 M2 FAN | FF 500 | 490 | 386 | 285 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 250 | 206 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 250 M4 FAN | FF 500 | 490 | 386 | 285 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 206 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE3-W41R 250 M6 FAN | FF 500 | 490 | 386 | 285 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 206 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE3-W41R 250 M8 FAN | FF 500 | 440 | 386 | 235 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 206 | 787 | 907 | 100 A | 282 | 242 | M50 x 1.5 | 8L | 50 |
| IE3-W41R 280 S2 FAN | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 M2 FAN | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 S4 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE3-W41R 280 M4 FAN | FF 500 | 550 | 416 | 315 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 211 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 S6 FAN | FF 500 | 550 | 416 | 315 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 211 | 879 | 1026 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 M6 FAN | FF 500 | 550 | 416 | 315 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 211 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 S8 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE3-W41R 280 M8 FAN | FF 500 | 550 | 416 | 315 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 211 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |

¹⁾ Centre holes to DIN 332-DS

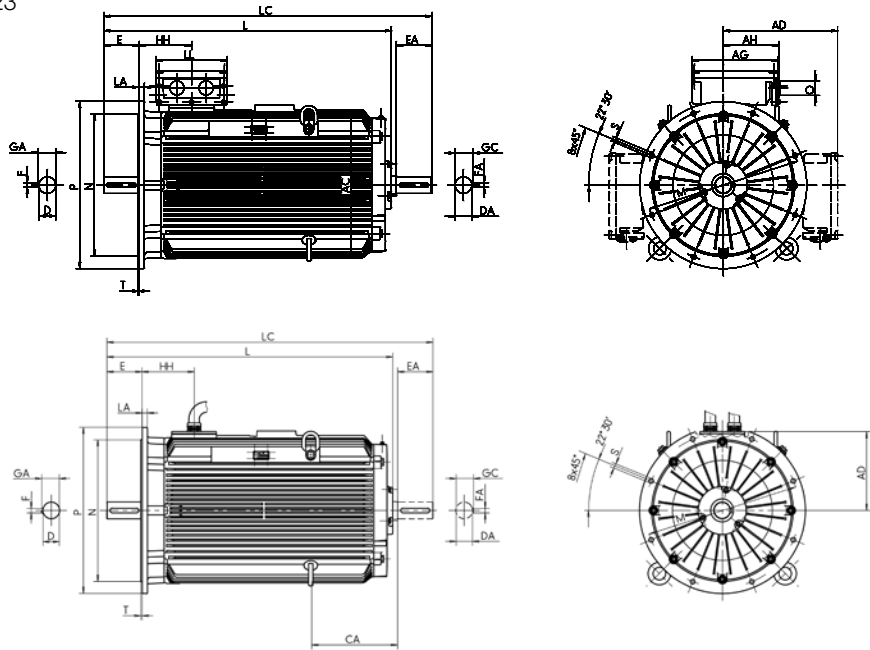
^{**)} Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 315

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB | Type | AG | LL | AH | O | BI |
|------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|----|------|-----|-----|------|------|-----|------|-----|-----|-----|-----------|----|
| | | g | g1 | g | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | x | z | - | r | BI | | |
| IE3-W41R 315 S2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 879 | 1026 | 200 | A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 M2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 934 | 1081 | 200 | A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 MX2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1043 | 1187 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MY2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1113 | 1257 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1233 | 1377 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 LX2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1353 | 1497 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 S4 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 909 | 1056 | 200 | A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 M4 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 | A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 MX4 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1073 | 1217 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MY4 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1143 | 1287 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L4 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 LX4 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1383 | 1527 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 S6 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1073 | 1217 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 M6 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1143 | 1287 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MX6 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1073 | 1217 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L6 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 S8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 | A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE3-W41R 315 M8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1073 | 1217 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 MX8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1143 | 1287 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE3-W41R 315 L8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 | B | 415 | 340 | 265 | M63 x 1.5 | 55 |

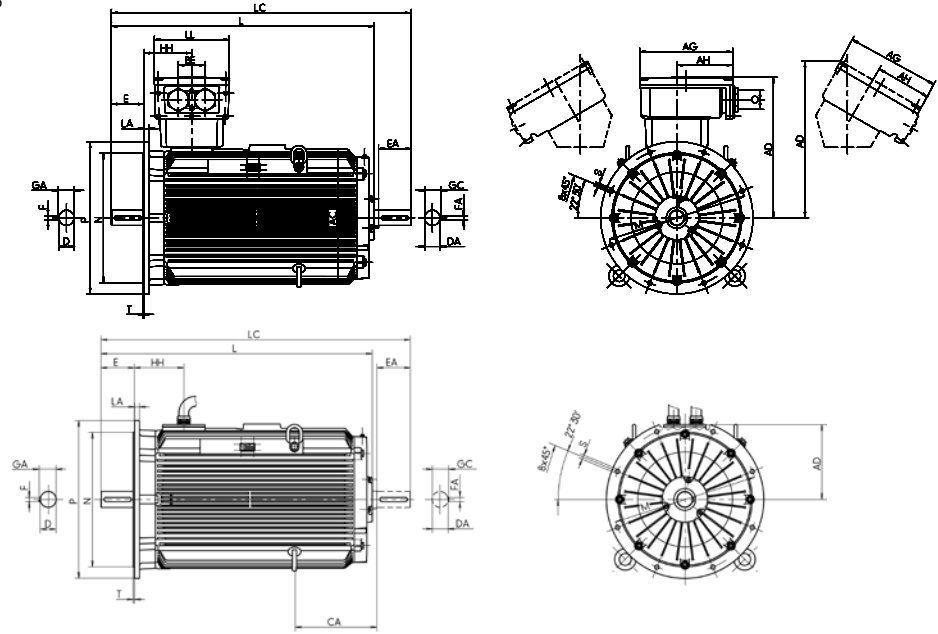
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 355

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD ^{*)} | AD | D | DA | DB ^{*)} | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | AH | BE | O | BI |
|------------------|-------------|-----|-----|------------------|-----|-----|----|------------------|-----|-----|----|----|-----|----|-----|-----|------|------|---------|-----|-----|-----|-----|---------|----|
| | | g | g1 | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | K | K1 | | x | z | - | - | r | Bl |
| IE3-W41R 355 MY2 | FF 740 | 715 | 736 | 817 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 250 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M2 | FF 740 | 715 | 736 | 817 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 250 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1565 | 1758 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 L2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1565 | 1758 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 MY4 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M4 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX4 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1605 | 1798 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 L4 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 MY6 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M6 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX6 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1605 | 1798 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 L6 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 LX6 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 MY8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 M8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 MX8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1605 | 1798 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE3-W41R 355 L8 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE3-W41R 355 LX8 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1605 | 1798 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |

^{*)} Centre holes to DIN 332-DS

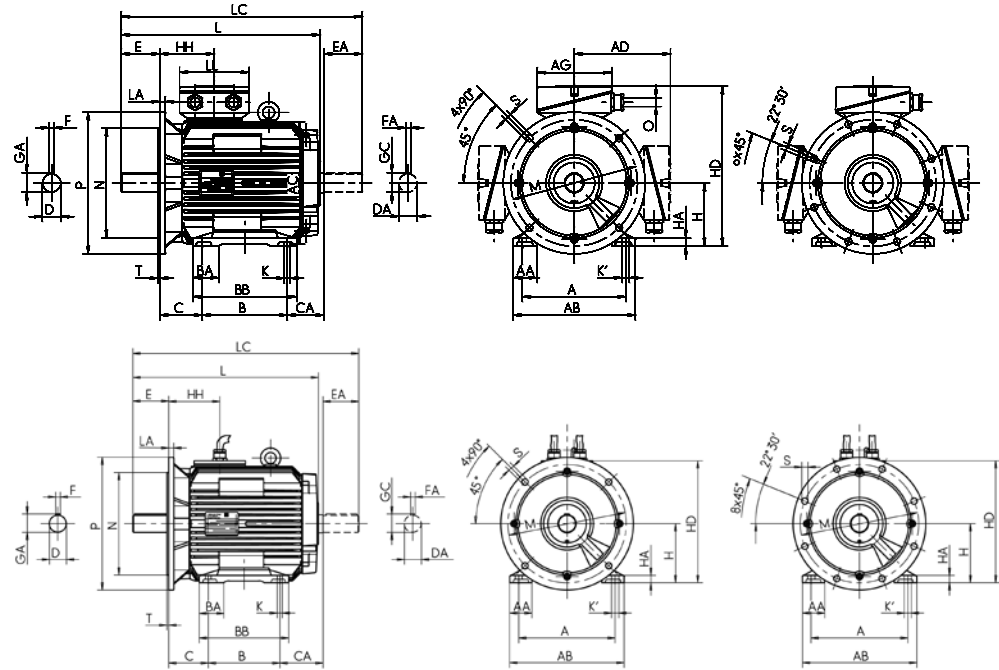
^{**)} Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 132 to 225

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



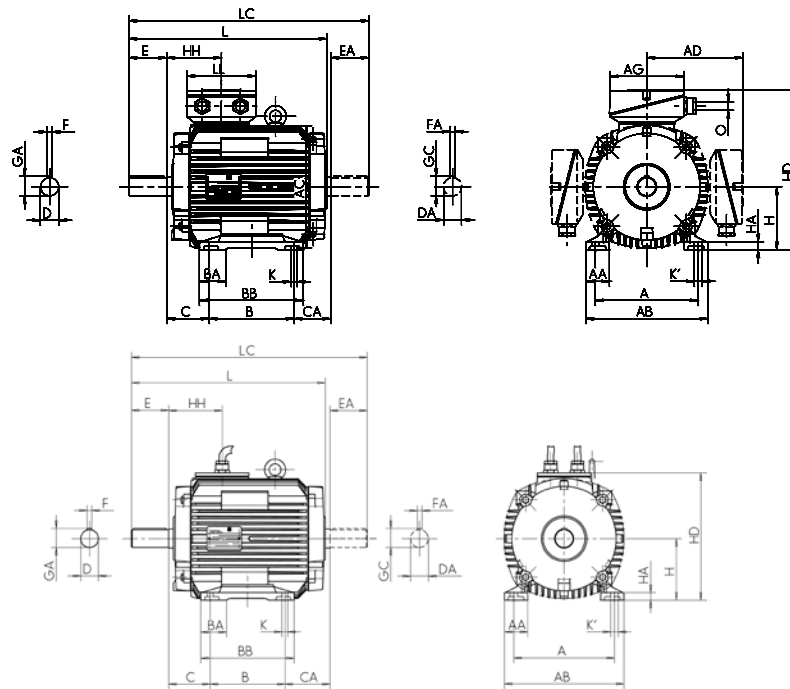
| Type designation | GA | GC | H | HA | HD | HD ^{**}) | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|--------------------------|------|------|-----|----|-----|--------------------|-----|-----|----|----|-----|-----|----------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | Standard | x | z | - | pattern | BI |
| IE2-WE2R 132 S4 FAN | 41 | 35 | 132 | 16 | 310 | 256.5 | 255 | 108 | 12 | 12 | 474 | 556 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 SX2 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 M4 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 MX6 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE2R 132 M6, 8 FAN | 41 | 35 | 132 | 16 | 310 | 256.5 | 255 | 108 | 12 | 12 | 474 | 556 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M2 FAN | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M4 FAN | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 M4 FAN | 45 | 41 | 160 | 18 | 370 | 307 | 304 | 114 | 15 | 15 | 552 | 634 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M8 FAN | 45 | 41 | 160 | 18 | 363 | 307 | 304 | 114 | 15 | 15 | 502 | 584 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M6, MX8 FAN | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 M6, MX8 FAN | 45 | 41 | 160 | 18 | 370 | 307 | 304 | 114 | 15 | 15 | 552 | 634 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 MX2 FAN | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 L2 FAN | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 L4 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 L6, 8 FAN | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 M2 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 580 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 M4 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 180 M4 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 580 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 L4 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 L6, 8 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 200 L2 FAN | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 625 | 734 | 63 A | 193 | 167 | M50 x 1.5 | 4L | 35 |
| IE2-WE2R 200 LX2 FAN | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 675 | 784 | 63 A | 193 | 167 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 200 L4 FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 658 | 765 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 200 LX6 FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 658 | 765 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 200 L6, 8 FAN | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 625 | 734 | 63 A | 193 | 167 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 225 M2 FAN | 59 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 S4 FAN | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 728 | 835 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 M4 FAN | 64 | 59 | 225 | 25 | 549 | 450 | 460 | 177 | 19 | 25 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE2-WE2R 225 M4 FAN | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 778 | 885 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 S8 FAN | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 688 | 795 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 M6, M8 FAN | 64 | 59 | 225 | 25 | 549 | 450 | 460 | 177 | 19 | 25 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE2-WE2R 225 M6, 8 FAN | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 728 | 835 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |

**) Terminal box left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, High Efficiency IE2**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 250 to 280

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|------------------------|-------------|-----|----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE2-WE1R 250 M2 FAN | FF 500 | 406 | 84 | 471 | 440 | 358 | 349 | 84 | 412 | 168 | 90 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE2-WE1R 250 M4 FAN | FF 500 | 406 | 84 | 469 | 490 | 386 | 349 | 84 | 412 | 168 | 154 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE2-WE1R 250 M6, 8 FAN | FF 500 | 406 | 84 | 469 | 490 | 386 | 349 | 84 | 412 | 168 | 154 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE2-WE2R 250 M4, 6 FAN | FF 500 | 406 | 84 | 469 | 440 | 386 | 349 | 84 | 412 | 168 | 140 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE2-WE1R 280 S2 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 113 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 280 M2 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 419 | 96 | 482 | 190 | 109 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 280 S4 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 113 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE2-WE1R 280 M4 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 419 | 96 | 482 | 190 | 109 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE2-WE1R 280 S6 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 160 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE2-WE1R 280 S8 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 160 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE2-WE1R 280 M6 FAN | FF 500 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | 482 | 190 | 192 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE2-WE1R 280 M8 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 419 | 96 | 482 | 190 | 109 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |

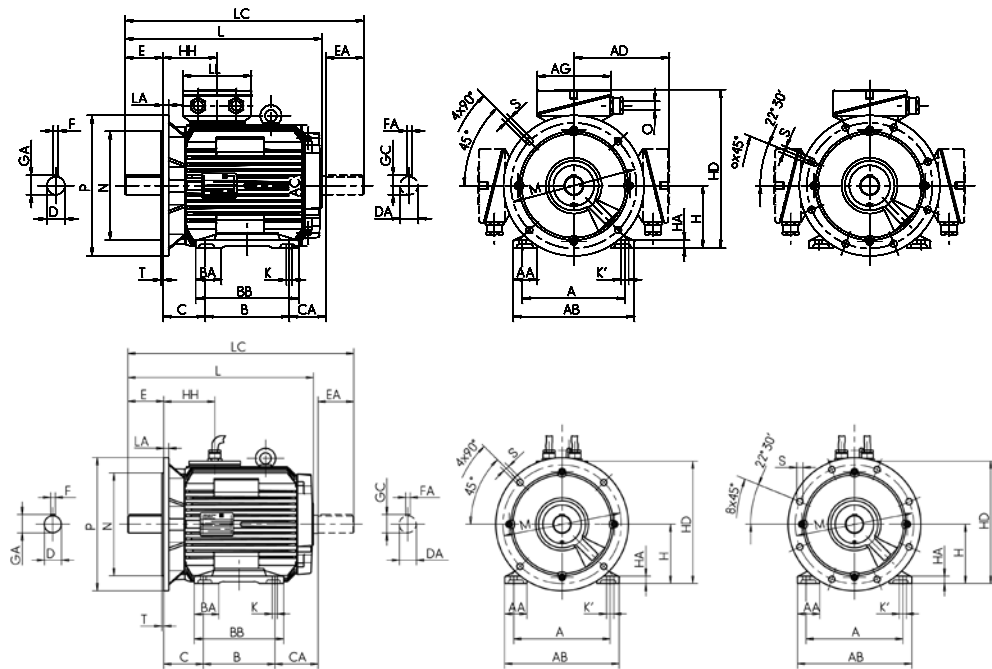
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 250 to 280

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



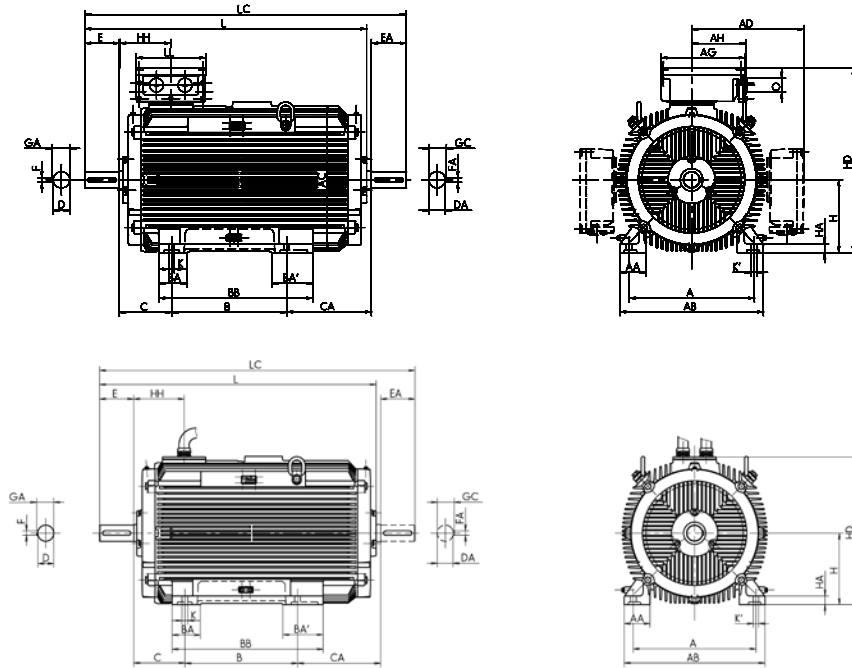
| Type designation | GA | GC | H | HA | HD | HD ^{**}) | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|------------------------|------|----|-----|----|-----|--------------------|-----|-----|----|----|-----|------|----------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | Standard | x | z | - | pattern | Bl |
| IE2-WE1R 250 M2 FAN | 64 | 59 | 250 | 28 | 608 | 484 | 485 | 177 | 24 | 30 | 737 | 857 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 45 |
| IE2-WE1R 250 M4 FAN | 69 | 59 | 250 | 28 | 636 | 493 | 535 | 206 | 24 | 30 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 250 M6, 8 FAN | 69 | 59 | 250 | 28 | 636 | 493 | 535 | 206 | 24 | 30 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE2R 250 M4, 6 FAN | 69 | 59 | 250 | 28 | 636 | 484 | 485 | 177 | 24 | 30 | 787 | 907 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S2 FAN | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 M2 FAN | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S4 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 M4 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S6 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S8 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 M6 FAN | 79.5 | 69 | 280 | 40 | 696 | 555 | 595 | 211 | 24 | 30 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE2-WE1R 280 M8 FAN | 79.5 | 69 | 280 | 32 | 696 | 523 | 565 | 206 | 24 | 30 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |

***) Terminal box left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, High Efficiency IE2**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 315

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BA' | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE2-WE1R 315 S2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 406 | 120 | - | 503 | 216 | 124 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 315 M2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 128 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 315 MX2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 208 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 315 MY2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 304 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 315 L2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 315 LX2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 493 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE2-WE1R 315 S4 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 406 | 120 | - | 503 | 216 | 124 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 M4 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 MX4 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 208 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 MY4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 304 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 L4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 LX4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 493 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 S6 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 179 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 M6 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 MX6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 234 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 MY6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 234 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 L6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 LX6 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 S8 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 406 | 120 | - | 503 | 216 | 124 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 M8 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 MX8 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 457 | 120 | 150 | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 MY8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 304 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 L8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE2-WE1R 315 LX8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |

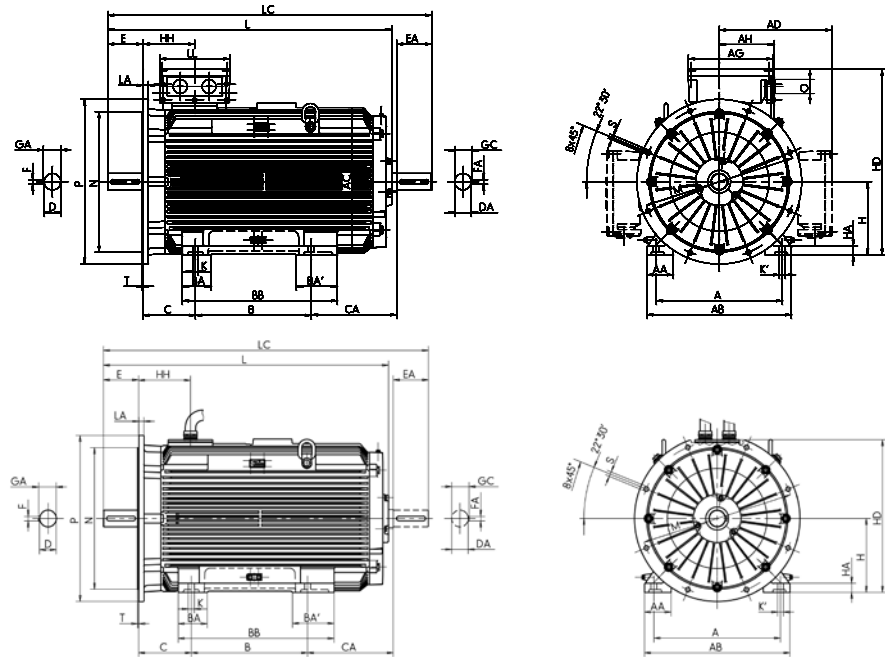
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 315

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD ^{**} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | O | BI |
|----------------------|----|------|-----|----|-----|------------------|-----|-----|----|----|------|------|----------|-----|-----|-----|-----------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | Standard | x | z | - | r | BI |
| IE2-WE1R 315 S2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 879 | 1026 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 934 | 1081 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1014 | 1161 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1113 | 1257 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1233 | 1377 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1353 | 1497 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 S4 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M4 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX4 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1044 | 1191 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1383 | 1527 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 S6 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M6 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX6 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 S8 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M8 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX8 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |

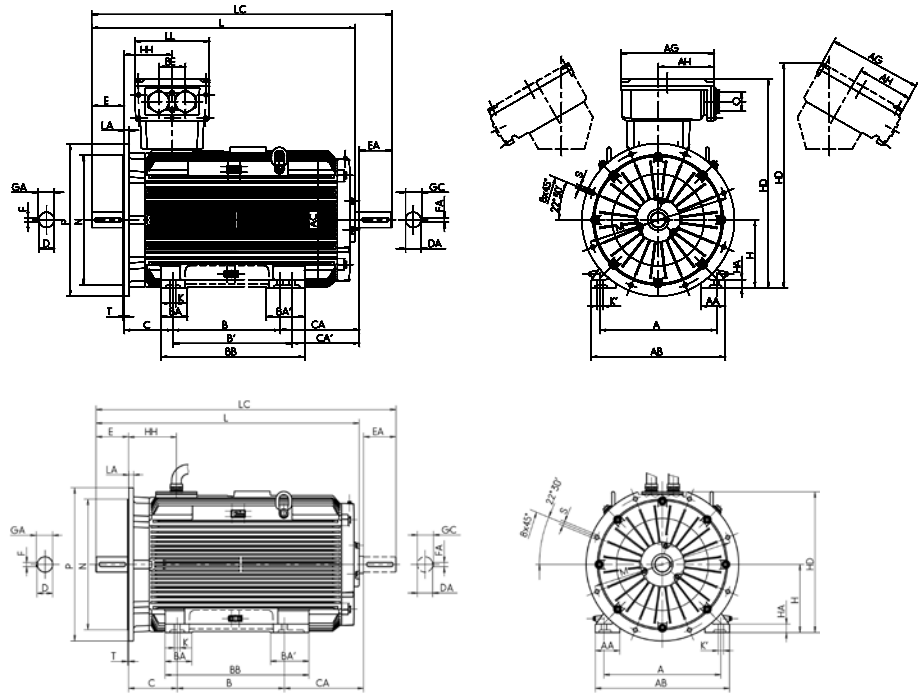
***) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 355

Type of construction IM B35 [IM 1001]

Flange dimensions, see page 8/23



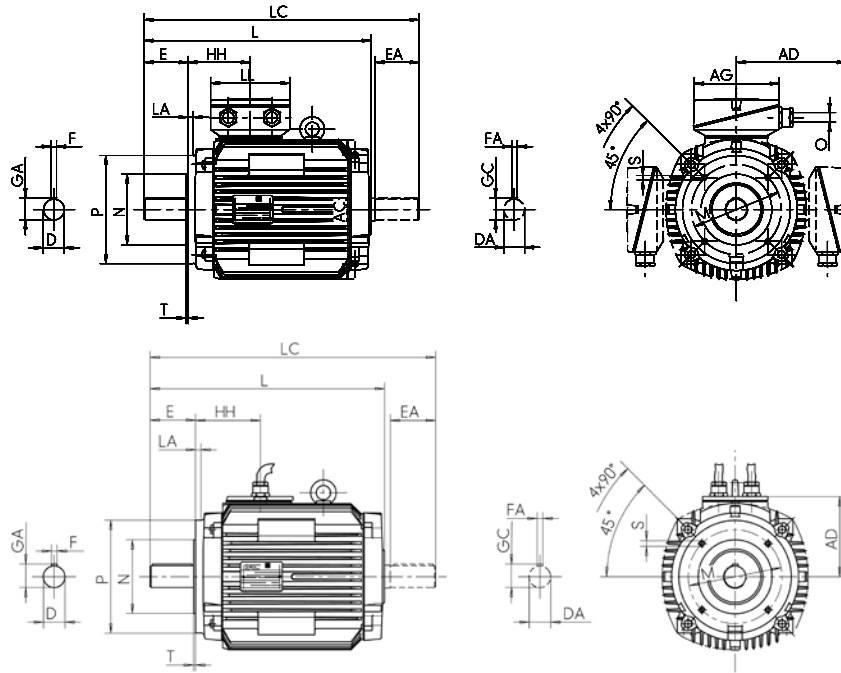
| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | BE | O | BI |
|--------------------------|-----|----|-----|----|------|------------------|-----|-----|----|----|------|------|---------|-----|-----|-----|-----|-------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | x | z | - | - | r | BI |
| IE2-WE2R 355 M2 FAN | 85 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72x2 | 60 |
| IE2-WE2R 355 M4 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72x2 | 60 |
| IE2-WE2R 355 M6, 8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72x2 | 60 |
| IE2-WE2R 355 MX6, 8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1525 | 1718 | 630 A | 496 | 390 | 301 | 140 | M72x2 | 60 |
| IE2-WE2R 355 MX2 FAN | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72x2 | 60 |
| IE2-WE2R 355 LY2, L2 FAN | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72x2 | 60 |
| IE2-WE2R 355 MX4 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72x2 | 60 |
| IE2-WE2R 355 LY4, L4 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72x2 | 60 |
| IE2-WE2R 355 LY6, 8 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72x2 | 60 |

^{*)} Terminal box inclined left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, High Efficiency IE2**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 132 to 160

Type of construction IM B14 [IM 3601]



| Type designation | Flange size | | A | AA | AB | AC | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|-----------------------------|-------------|--------|-----|----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | small | large | n | f | g | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE2-WE2R 132 S4 FAN | FT 130 | FT 165 | 216 | 50 | 256 | 217 | 178 | 140 | 53 | 180 | 89 | 167 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE2-WE1R 132 SX2 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 140 | 53 | 180 | 89 | 117 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE2-WE1R 132 M4 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 127 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE2-WE1R 132 MX6 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 178 | 53 | 218 | 89 | 127 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE2-WE2R 132 M6, 8 FAN | FT 130 | FT 165 | 216 | 50 | 256 | 217 | 178 | 178 | 53 | 218 | 89 | 129 | 38 | 32 | M12 | 80 | 80 | 10 | 10 |
| IE2-WE1R 160 M2 FAN | FT 215 | FT 268 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE2-WE1R 160 M4 FAN | FT 215 | FT 268 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE2-WE1R 160 M8 FAN | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 214 | 210 | 60 | 257 | 108 | 76 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE2-WE1R 160 M6, MX8 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE2-WE2R 160 M4, 6, MX8 FAN | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 214 | 210 | 60 | 257 | 108 | 126 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE2-WE1R 160 MX2 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE2-WE1R 160 L2 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 81 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE2-WE2R 160 L4 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 131 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE2-WE1R 160 L6, 8 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 81 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |

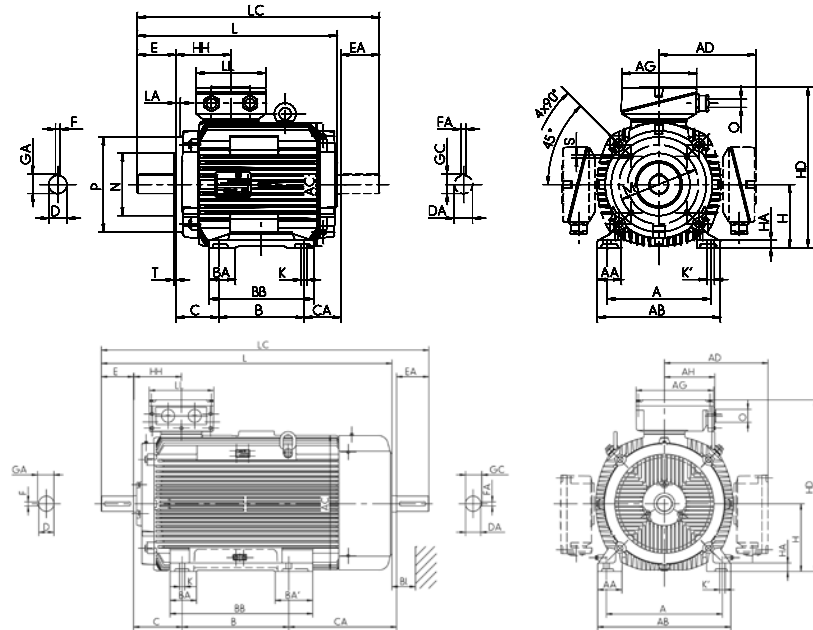
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 132 to 160

Type of construction IM B34 [IM 2101]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD** with TB | HD Cable | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|-----------------------------|----|----|-----|----|-----|-----------------|-------------|-----|----|----|-----|-----|----------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | Standard | x | z | - | pattern | BI |
| IE2-WE2R 132 S4 FAN | 41 | 35 | 132 | 16 | 310 | 257 | 255 | 108 | 12 | 12 | 474 | 556 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 SX2 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 M4 FAN | 41 | 41 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 MX6 FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE2R 132 M6, 8 FAN | 41 | 35 | 132 | 16 | 310 | 257 | 255 | 108 | 12 | 12 | 474 | 556 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M2 FAN | 45 | 45 | 160 | 18 | 402 | 307 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M4 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M8 FAN | 45 | 41 | 160 | 18 | 374 | 307 | 304 | 114 | 15 | 15 | 502 | 584 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M6, MX8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 M4, 6, MX8 FAN | 45 | 41 | 160 | 18 | 370 | 307 | 304 | 114 | 15 | 15 | 552 | 634 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 MX2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 L2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 L4 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 L6, 8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |

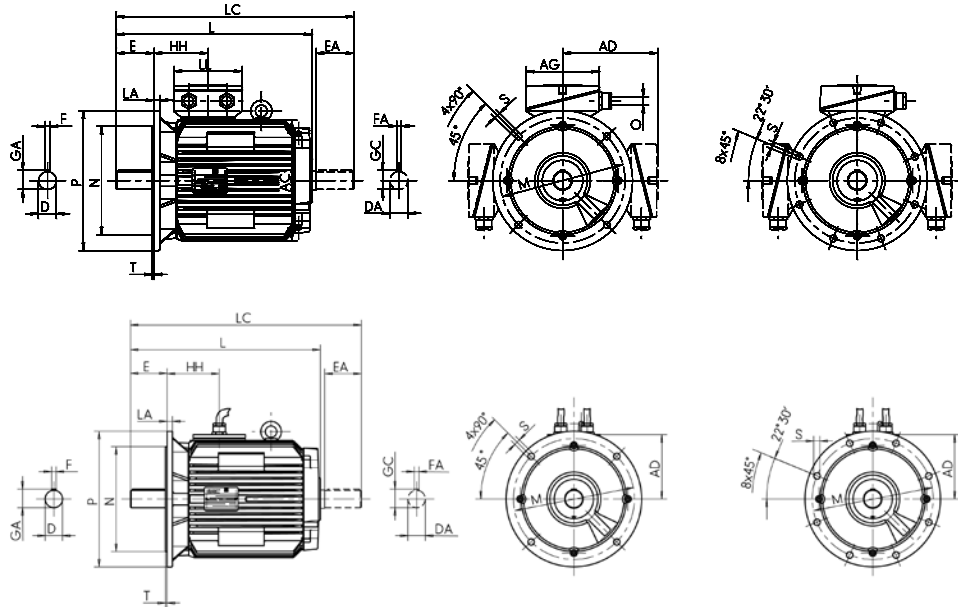
**) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 280

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | O | Hole | BI |
|--------------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|------|-----|-----|-----|-----|----------|-----|-----|-----------|---------|----|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | Standard | x | z | - | pattern | BI |
| IE2-WE1R 132 SX2 FAN | FF 265 | 258 | 210 | 144 | 38 | 32 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 424 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 M4 FAN | FF 265 | 258 | 210 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 132 MX6 FAN | FF 265 | 258 | 210 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 472 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M2 FAN | FF 300 | 313 | 242 | 172 | 42 | 38 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M4 FAN | FF 300 | 313 | 242 | 172 | 42 | 38 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 M4 FAN | FF 300 | 258 | 214 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 552 | 634 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M8 FAN | FF 300 | 258 | 214 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 502 | 584 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 M6, MX8 FAN | FF 300 | 313 | 242 | 172 | 42 | 38 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 512 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 M6, MX8 FAN | FF 300 | 258 | 214 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 552 | 634 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| IE2-WE1R 160 MX2 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 L2 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 160 L4 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 600 | 713 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 160 L6, 8 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 550 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 M2 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 580 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 M4 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 180 M4 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 580 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 L4 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 180 L6, 8 FAN | FF 300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE1R 200 L2 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 625 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| IE2-WE2R 200 LX2 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 675 | 784 | 63 A | 193 | 167 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 200 L4 FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 658 | 765 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 200 LX6 FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 658 | 765 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 200 L6, 8 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 625 | 734 | 63 A | 193 | 167 | M50 x 1.5 | 4L | 35 |
| IE2-WE1R 225 M2 FAN | FF 400 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 225 | 168 | 698 | 805 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 S4 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 728 | 835 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 M4 FAN | FF 400 | 440 | 324 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 177 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE2-WE2R 225 M4 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 778 | 885 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 S8 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 688 | 795 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| IE2-WE1R 225 M6, M8 FAN | FF 400 | 440 | 324 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 177 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| IE2-WE2R 225 M6, 8 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 728 | 835 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |

| Type designation | Flange size | AC g | AD g1 | AD g1 | D d | DA d1 | DB ¹⁾ | E l | EA l1 | F u | FA u1 | GA t | GC t1 | H h | HH A | L k | LC k1 | TB Type Standard | AG x | LL z | O - | Hole pattern | BI BI |
|------------------------|-------------|---------|----------|----------|--------|----------|------------------|--------|----------|--------|----------|---------|----------|--------|---------|--------|----------|---------------------|---------|---------|-----------|-----------------|----------|
| IE2-WE1R 250 M2 FAN | FF 500 | 440 | 358 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 250 | 177 | 737 | 857 | 100 A | 282 | 242 | M50 x 1.5 | 8L | 45 |
| IE2-WE1R 250 M4 FAN | FF 500 | 490 | 386 | 285 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 206 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE2R 250 M6, 8 FAN | FF 500 | 440 | 386 | 235 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 177 | 787 | 907 | 100 A | 282 | 242 | M50 x 1.5 | 8L | 50 |
| IE2-WE1R 250 M6, 8 FAN | FF 500 | 490 | 386 | 285 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 206 | 801 | 921 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S2 FAN | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 M2 FAN | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S4 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 M4 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S6 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 S8 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| IE2-WE1R 280 M6 FAN | FF 500 | 550 | 416 | 315 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 211 | 934 | 1081 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |
| IE2-WE1R 280 M8 FAN | FF 500 | 550 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 848 | 998 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 55 |

¹⁾ Centre holes to DIN 332-DS

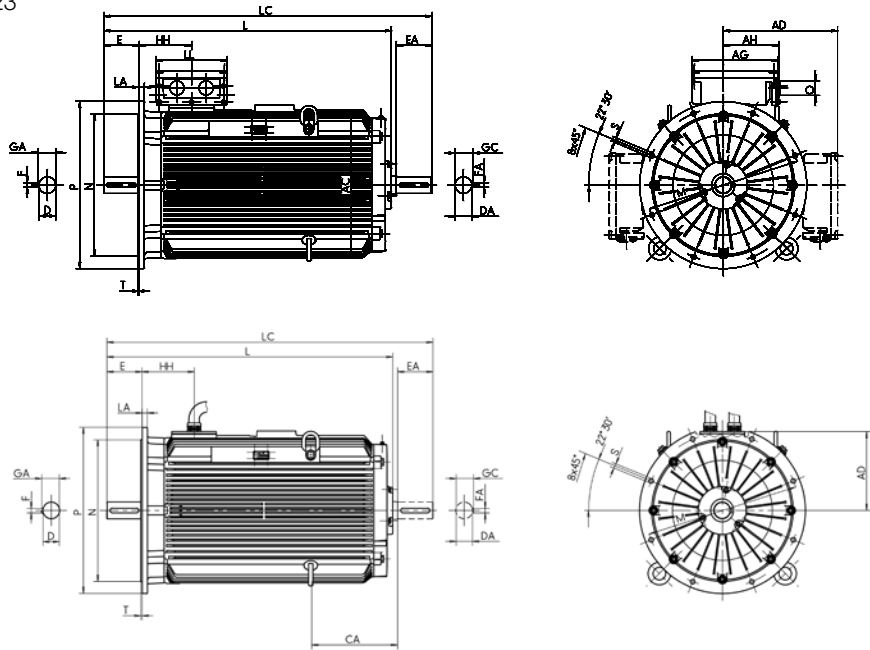
^{**)} Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 315

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | AH | O | BI |
|----------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|----|------|-----|-----|------|------|----------|-----|-----|-----|-----------|----|
| | | g | g1 | g | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | Standard | x | z | - | r | Bl |
| IE2-WE1R 315 S2 FAN | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 879 | 1026 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M2 FAN | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 934 | 1081 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX2 FAN | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 1014 | 1161 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY2 FAN | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1113 | 1257 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L2 FAN | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1233 | 1377 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX2 FAN | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1353 | 1497 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 S4 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M4 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX4 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 1044 | 1191 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY4 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L4 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX4 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1383 | 1527 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 S6 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M6 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX6 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY6 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1073 | 1217 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L6 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX6 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 S8 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 M8 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MX8 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| IE2-WE1R 315 MY8 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 L8 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| IE2-WE1R 315 LX8 FAN | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |

¹⁾ Centre holes to DIN 332-DS

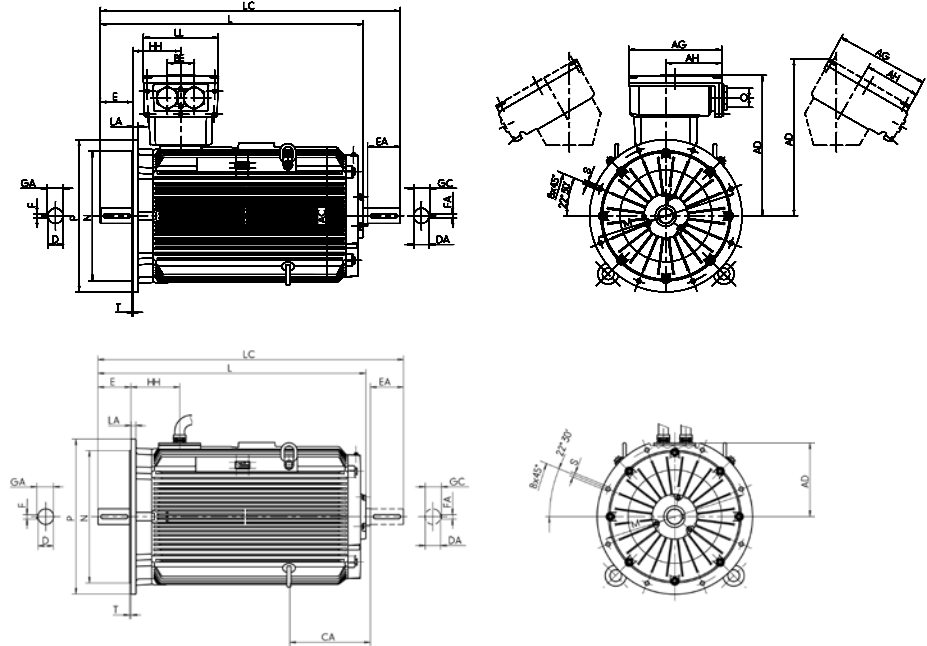
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 355

Type of construction IM B5 [IM 3001]

Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD ^{*)} | AD | D | DA | DB ^{*)} | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | AH | BE | O | BI |
|----------------------|-------------|-----|-----|------------------|-----|-----|----|------------------|-----|-----|----|----|-----|----|-----|-----|------|------|---------|-----|-----|-----|-----|---------|----|
| | | g | g1 | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | K | K1 | | x | z | - | - | r | Bl |
| IE2-WE2R 355 M2 | FF 740 | 715 | 736 | 817 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 250 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE2-WE2R 355 M4 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE2-WE2R 355 M6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE2-WE2R 355 MX6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1525 | 1718 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| IE2-WE2R 355 MX2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE2-WE2R 355 LY2, L2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE2-WE2R 355 MX4 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE2-WE2R 355 LY, L4 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| IE2-WE2R 355 LY6, 8 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |

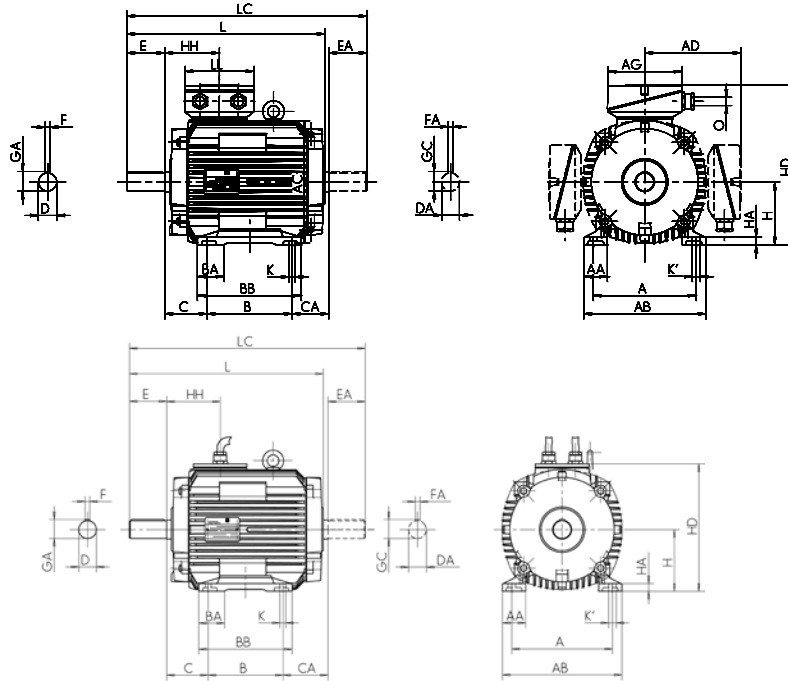
^{*)} Centre holes to DIN 332-DS

^{**)} Terminal box inclined left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 280

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|------------------------------|-------------|-----|----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE1-K11R 132 M4 FAN | FF265 | 216 | 50 | 256 | 258 | 199 | 178 | 55 | 218 | 89 | 79 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE1-K11R 132 MX6 FAN | FF265 | 216 | 50 | 256 | 258 | 199 | 178 | 55 | 218 | 89 | 79 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE1-K11R 160 M2 FAN | FF300 | 254 | 55 | 296 | 258 | 214 | 210 | 60 | 257 | 108 | 76 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE1-K11R 160 M4, 6, 8 FAN | FF300 | 254 | 55 | 296 | 258 | 214 | 210 | 60 | 257 | 108 | 76 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE1-K11R 160 MX8 FAN | FF300 | 254 | 55 | 296 | 258 | 199 | 210 | 60 | 257 | 108 | 76 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE1-K11R 160 MX2 FAN | FF300 | 254 | 55 | 296 | 313 | 242 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE1-K11R 160 L2, 4, 6, 8 FAN | FF300 | 254 | 55 | 296 | 313 | 242 | 254 | 60 | 301 | 108 | 81 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE1-K11R 180 M2 FAN | FF300 | 279 | 62 | 328 | 351 | 261 | 241 | 65 | 288 | 121 | 107 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| IE1-K11R 180 M4 FAN | FF300 | 279 | 62 | 328 | 313 | 242 | 241 | 65 | 288 | 121 | 81 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| IE1-K11R 180 L4 FAN | FF300 | 279 | 62 | 328 | 351 | 261 | 279 | 65 | 326 | 121 | 114 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| IE1-K11R 180 L6, 8 FAN | FF300 | 279 | 62 | 328 | 313 | 242 | 279 | 65 | 326 | 121 | 43 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| IE1-K11R 200 L2, 4, 6, 8 FAN | FF 350 | 318 | 70 | 372 | 351 | 261 | 305 | 70 | 360 | 133 | 76 | 55 | 48 | M20 | 110 | 110 | 16 | 14 |
| IE1-K11R 200 LX6 FAN | FF 350 | 318 | 70 | 372 | 351 | 261 | 305 | 70 | 360 | 133 | 76 | 55 | 48 | M20 | 110 | 110 | 16 | 14 |
| IE1-K11R 200 LX2 FAN | FF 350 | 318 | 70 | 372 | 390 | 300 | 305 | 70 | 360 | 133 | 139 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE1-K11R 225 S4, 8 FAN | FF 400 | 356 | 75 | 413 | 390 | 300 | 286 | 75 | 343 | 149 | 148 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE1-K11R 225 M2 FAN | FF 400 | 356 | 75 | 413 | 390 | 300 | 311 | 75 | 368 | 149 | 157 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| IE1-K11R 225 M4 FAN | FF 400 | 356 | 75 | 413 | 390 | 300 | 311 | 75 | 368 | 149 | 157 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE1-K11R 225 M6, 8 FAN | FF 400 | 356 | 75 | 413 | 390 | 300 | 311 | 75 | 368 | 149 | 117 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE1-K11R 250 M2 FAN | FF 500 | 406 | 84 | 471 | 440 | 358 | 349 | 84 | 412 | 168 | 90 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE1-K11R 250 M4, 6, 8 FAN | FF 500 | 406 | 84 | 471 | 440 | 358 | 349 | 84 | 412 | 168 | 90 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| IE1-K11R 280 S2 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 113 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 280 S4, 6, 8 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 368 | 96 | 431 | 190 | 113 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| IE1-K11R 280 M2 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 419 | 96 | 482 | 190 | 108 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 280 M4, 6, 8 FAN | FF 500 | 457 | 94 | 522 | 490 | 386 | 419 | 96 | 482 | 190 | 108 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |

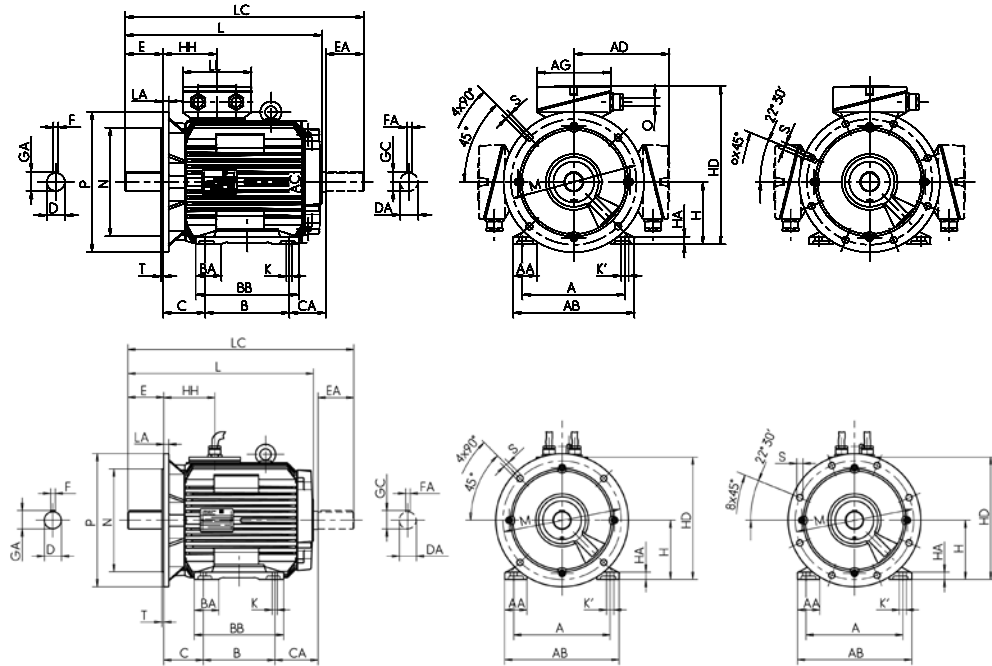
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 280

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



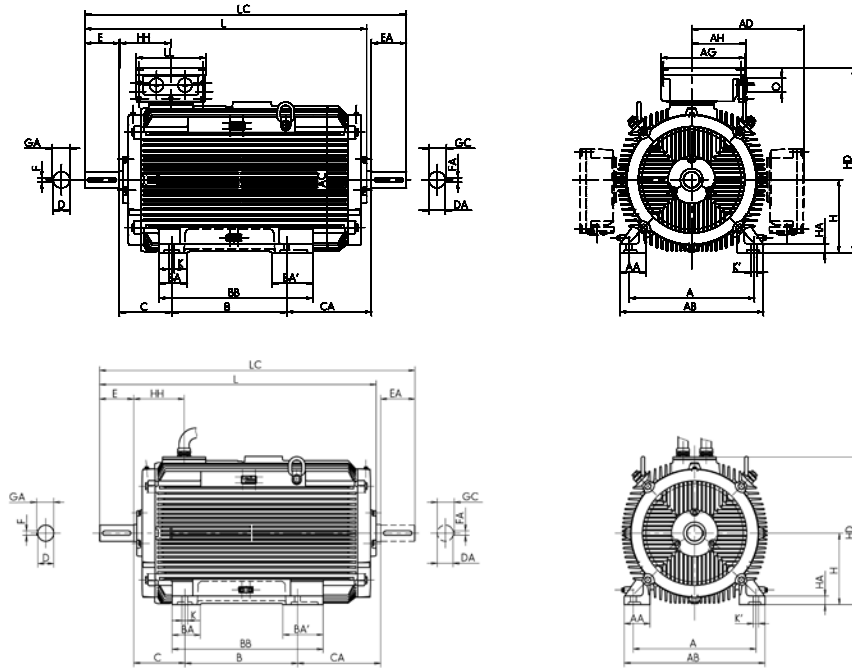
| Type designation | GA | GC | H | HA | HD | HD ^{**} | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole |
|------------------------------|------|------|-----|----|-----|------------------|-----|-----|----|----|-----|-----|---------|-----|-----|-----------|---------|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | | | - | pattern |
| IE1-K11R 132 M4 FAN | 41 | 41 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L |
| IE1-K11R 132 MX6 FAN | 41 | 41 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L |
| IE1-K11R 160 M2 FAN | 45 | 41 | 160 | 18 | 374 | 307 | 304 | 114 | 15 | 15 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 160 M4, 6, 8 FAN | 45 | 41 | 160 | 18 | 374 | 307 | 304 | 114 | 15 | 15 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 160 MX8 FAN | 45 | 41 | 160 | 18 | 374 | 307 | 304 | 114 | 15 | 15 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 160 MX2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 160 L2, 4, 6, 8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 180 M2 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 562 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 180 M4 FAN | 51.5 | 45 | 180 | 20 | 422 | 356 | 352 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 180 L4 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 180 L6, 8 FAN | 51.5 | 45 | 180 | 20 | 422 | 369 | 352 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 200 L2, 4, 6, 8 FAN | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 200 LX6 FAN | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K11R 200 LX2 FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 661 | 797 | 100 A | 213 | 207 | M50 x 1.5 | 4L |
| IE1-K11R 225 S4, 8 FAN | 64 | 59 | 225 | 25 | 525 | 442 | 436 | 168 | 19 | 25 | 691 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L |
| IE1-K11R 225 M2 FAN | 59 | 59 | 225 | 25 | 525 | 442 | 436 | 168 | 19 | 25 | 701 | 837 | 100 A | 213 | 207 | M50 x 1.5 | 8L |
| IE1-K11R 225 M4 FAN | 64 | 59 | 225 | 25 | 525 | 442 | 436 | 168 | 19 | 25 | 731 | 867 | 100 A | 213 | 207 | M50 x 1.5 | 8L |
| IE1-K11R 225 M6, 8 FAN | 64 | 59 | 225 | 25 | 525 | 442 | 436 | 168 | 19 | 25 | 691 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L |
| IE1-K11R 250 M2 FAN | 64 | 59 | 250 | 28 | 608 | 484 | 485 | 177 | 24 | 30 | 737 | 857 | 200 A | 282 | 242 | M63 x 1.5 | 8L |
| IE1-K11R 250 M4, 6, 8 FAN | 69 | 59 | 250 | 28 | 608 | 484 | 485 | 177 | 24 | 30 | 737 | 857 | 200 A | 282 | 242 | M63 x 1.5 | 8L |
| IE1-K11R 280 S2 FAN | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L |
| IE1-K11R 280 S4, 6, 8 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L |
| IE1-K11R 280 M2 FAN | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 847 | 997 | 200 A | 282 | 242 | M63 x 1.5 | 8L |
| IE1-K11R 280 M4, 6, 8 FAN | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 847 | 997 | 200 A | 282 | 242 | M63 x 1.5 | 8L |

***) Terminal box left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 315

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | AD | B | BA | BA' | BB | C | CA | D | DA | DB ⁷⁾ | E | EA | F | FA |
|----------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE1-K11R 315 S2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 406 | 120 | - | 503 | 216 | 124 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 315 S4, 6, 8 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 406 | 120 | - | 503 | 216 | 124 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 M2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | - | 554 | 216 | 128 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 315 M4, 6, 8 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | - | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 MX2 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 208 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 315 MX4 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 208 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 MX6, 8 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 MX10, 12 FAN | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 128 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 MY2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 457 | 120 | - | 573 | 216 | 304 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 315 MY4, 6, 8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 457 | 120 | - | 573 | 216 | 304 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 L2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 373 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 315 L4, 6, 8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 LX2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 493 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| IE1-K11R 315 LX4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 493 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K11R 315 LX6, 8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 373 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |

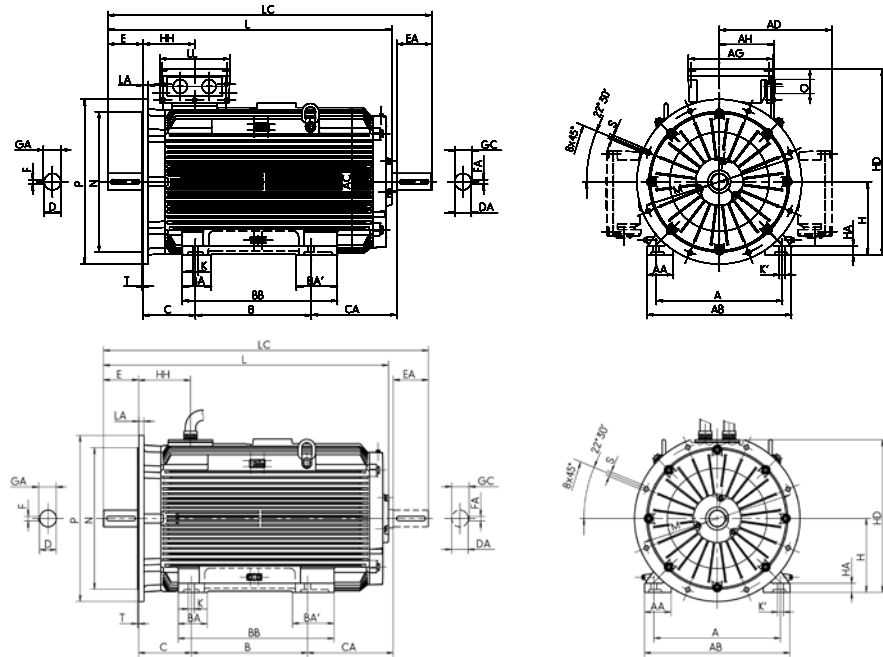
⁷⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 315

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD ^{**} with TB | HD Cable | HH | K | K' | L | LC | TB Type | AG | LL | AH | O |
|----------------------------|----|------|-----|----|-----|-----------------------------|-------------|-----|----|----|------|------|---------|-----|-----|-----|-----------|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | | | - | |
| IE1-K11R 315 S2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 879 | 1026 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 S4, 6, 8 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 M2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 934 | 1081 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 M4, 6, 8 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX2 FAN | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1014 | 1161 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX4 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1044 | 1191 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX6, 8 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX10, 12 FAN | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MY2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1113 | 1257 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 MY4, 6, 8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 L2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1233 | 1377 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 L4, 6, 8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 LX2 FAN | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1353 | 1497 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 LX4 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1383 | 1527 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 LX6, 8 FAN | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 |

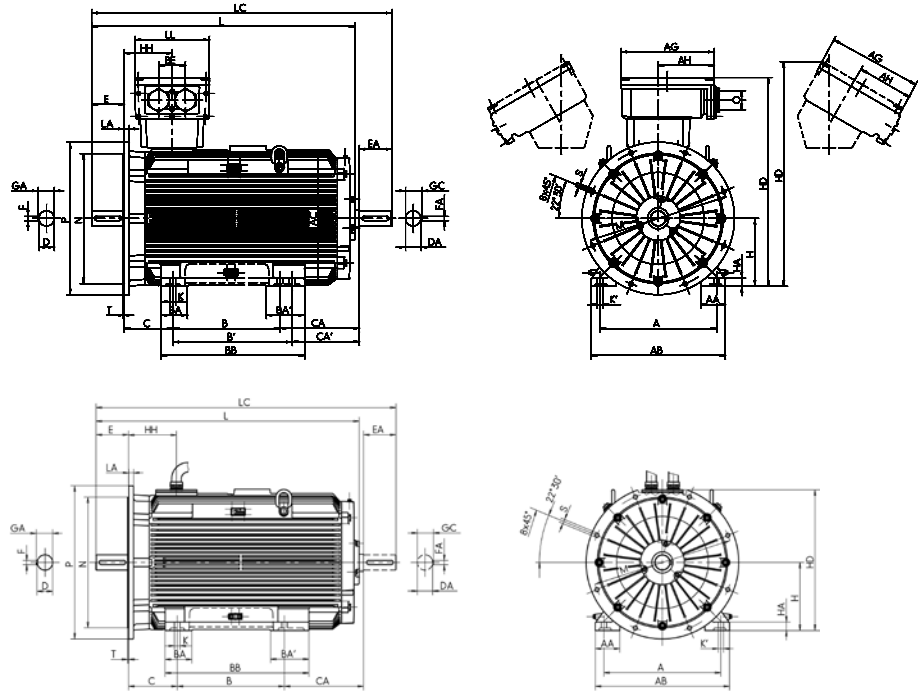
** Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 355

Type of construction IM B35 [IM 1001]

Flange dimensions, see page 8/23



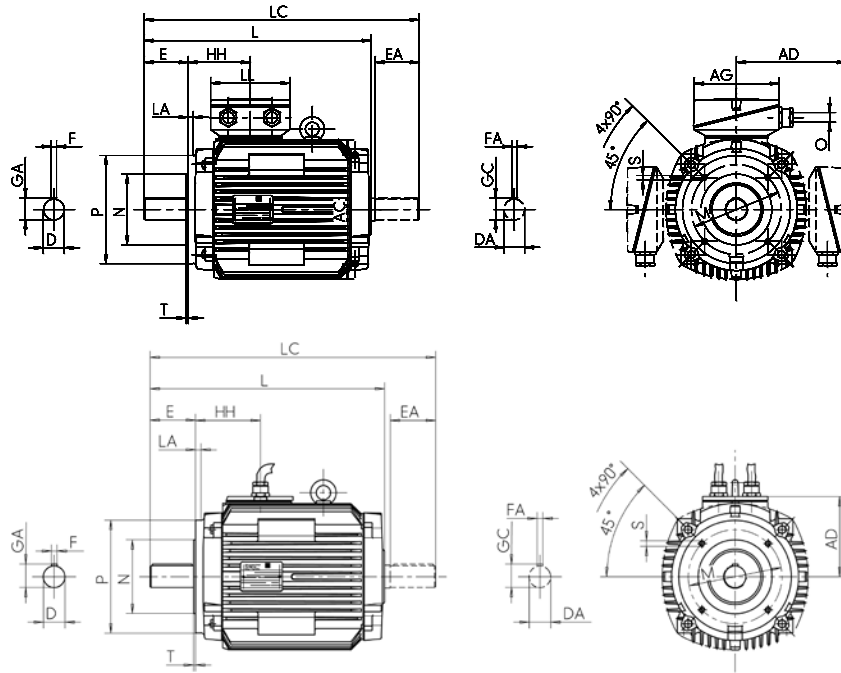
| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | BE | O |
|--------------------------------|-----|----|-----|----|------|------------------|-----|-----|----|----|------|------|---------|-----|-----|-----|-----|---------|
| | t | t1 | h | c | p | p' | p | A | s | s' | k | k1 | | x | z | - | - | r |
| IE1-K22R 355 MY2, M2 FAN | 85 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 MY4, 6, 8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 M4 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 M6, 8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 MX6, 8 FAN | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1525 | 1718 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 MX2 FAN | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |
| IE1-K22R 355 LY2, L2 FAN | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |
| IE1-K22R 355 MX4 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |
| IE1-K22R 355 LY4, 6, 8, L4 FAN | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |

^{*)} Terminal box inclined left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 180

Type of construction IM B14 [IM 3601]
 Flange dimensions, see page 8/23



| Type designation | Flange size | | A | AA | AB | AC | AD | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|------------------------------|-------------|--------|-----|----|-----|-----|-----|-----|-----|----|-----|-----|----|----|----|------------------|-----|-----|----|----|
| | small | large | b | n | f | g | g1 | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE1-K11R 132 M4 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 144 | 178 | 55 | 218 | 89 | 79 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE1-K11R 132 MX6 FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 144 | 178 | 55 | 218 | 89 | 79 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE1-K11R 160 M2 FAN | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 76 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE1-K11R 160 M4, 6, 8 FAN | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 76 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE1-K11R 160 MX8 FAN | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 199 | 144 | 210 | 60 | 257 | 108 | 76 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| IE1-K11R 160 MX2 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 210 | 60 | 257 | 108 | 87 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE1-K11R 160 L2, 4, 6, 8 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 254 | 60 | 301 | 108 | 81 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE1-K11R 180 M4 FAN | FT 265 | - | 279 | 62 | 328 | 313 | 242 | 172 | 241 | 65 | 288 | 121 | 81 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| IE1-K11R 180 L6, 8 FAN | FT 265 | - | 279 | 62 | 328 | 313 | 242 | 172 | 279 | 65 | 326 | 121 | 43 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |

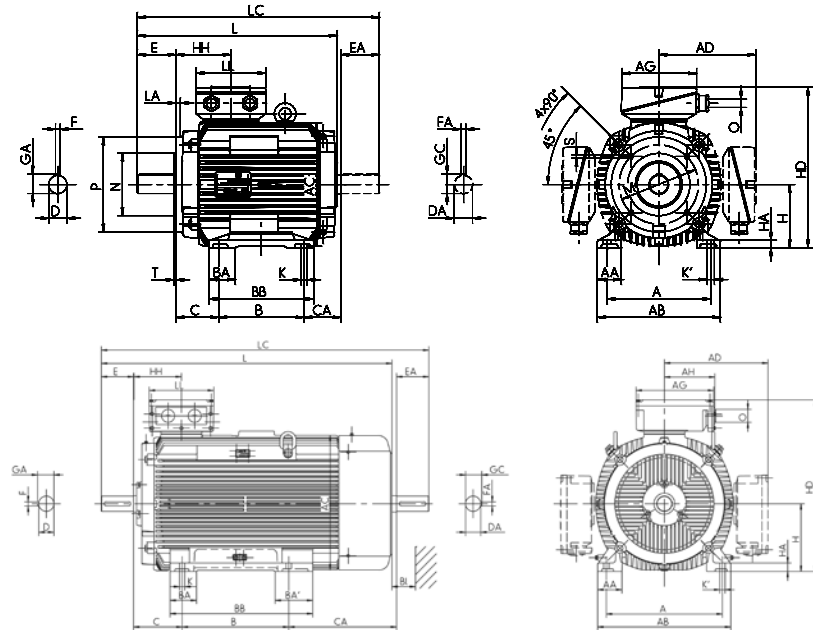
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 180

Type of construction IM B34 [IM 2101]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD **) | HD | HH | K | K' | L | LC | TB Type | AG | LL | O |
|------------------------------|------|----|-----|----|-----|--------|-----|-----|----|----|-----|-----|---------|-----|-----|-----------|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | | | |
| IE1-K11R 132 M4 FAN | 41 | 41 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 |
| IE1-K11R 132 MX6 FAN | 41 | 41 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 |
| IE1-K11R 160 M2 FAN | 45 | 41 | 160 | 18 | 374 | 307 | 304 | 114 | 15 | 15 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K11R 160 M4, 6, 8 FAN | 45 | 41 | 160 | 18 | 374 | 307 | 304 | 114 | 15 | 15 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K11R 160 MX8 FAN | 45 | 41 | 160 | 18 | 374 | 307 | 304 | 114 | 15 | 15 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K11R 160 MX2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K11R 160 L2, 4, 6, 8 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K11R 180 M4 FAN | 51.5 | 45 | 180 | 20 | 422 | 369 | 352 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K11R 180 L6, 8 FAN | 51.5 | 45 | 180 | 20 | 422 | 369 | 352 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 |

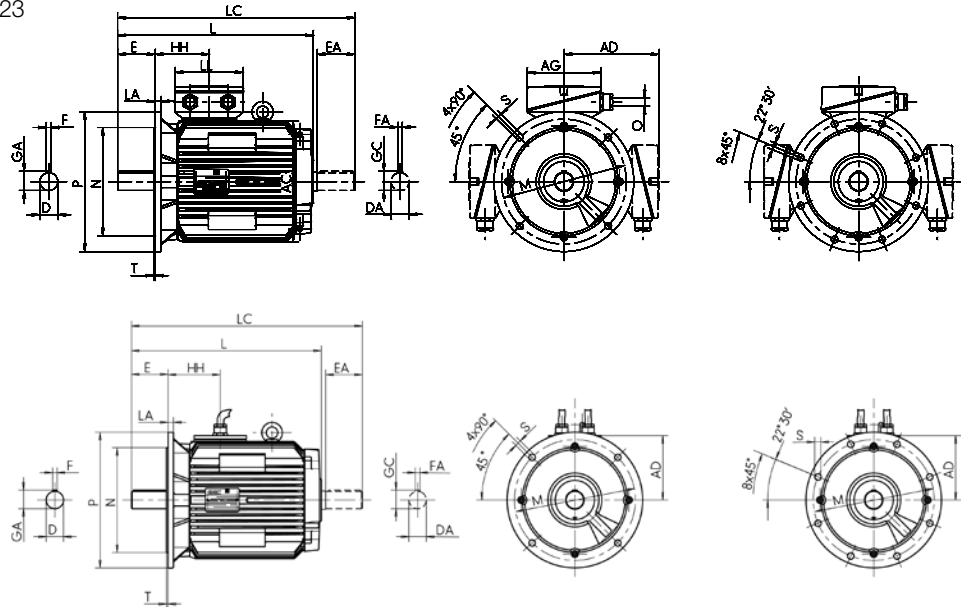
**) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 280

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ^{*)} | E | EA | F | FA | GA | GC | H | HH | L | LC | TB | Type | AG | LL | O | Hole pattern |
|------------------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|------|-----|-----|-----|-----|-------|------|-----|-----------|----|--------------|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | | | | | |
| IE1-K11R 132 M4 FAN | FF265 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | |
| IE1-K11R 132 MX6 FAN | FF265 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | |
| IE1-K11R 160 M2 FAN | FF300 | 258 | 214 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 160 M4, 6, 8 FAN | FF300 | 258 | 214 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 160 MX8 FAN | FF300 | 258 | 199 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 498 | 584 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 160 MX2 FAN | FF300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 160 L2, 4, 6, 8 FAN | FF300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 180 M2 FAN | FF300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 562 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 180 M4 FAN | FF300 | 313 | 242 | 172 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 180 | 138 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 180 L4 FAN | FF300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 180 L6, 8 FAN | FF300 | 313 | 242 | 172 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 180 | 138 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 200 L2, 4, 6, 8 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 200 LX6 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K11R 200 LX2 FAN | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 661 | 797 | 100 A | 213 | 207 | M50 x 1.5 | 4L | |
| IE1-K11R 225 S4, 8 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 691 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L | |
| IE1-K11R 225 M2 FAN | FF 400 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 225 | 168 | 701 | 837 | 100 A | 213 | 207 | M50 x 1.5 | 8L | |
| IE1-K11R 225 M4 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 731 | 867 | 100 A | 213 | 207 | M50 x 1.5 | 8L | |
| IE1-K11R 225 M6, 8 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 691 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L | |
| IE1-K11R 250 M2 FAN | FF 500 | 440 | 358 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 250 | 177 | 737 | 857 | 200 A | 282 | 242 | M63 x 1.5 | 8L | |
| IE1-K11R 250 M4, 6, 8 FAN | FF 500 | 440 | 358 | 235 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 177 | 737 | 857 | 200 A | 282 | 242 | M63 x 1.5 | 8L | |
| IE1-K11R 280 S2 FAN | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | |
| IE1-K11R 280 S4, 6, 8 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 801 | 951 | 200 A | 282 | 242 | M63 x 1.5 | 8L | |
| IE1-K11R 280 M2 FAN | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 847 | 997 | 200 A | 282 | 242 | M63 x 1.5 | 8L | |
| IE1-K11R 280 M4, 6, 8 FAN | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 847 | 997 | 200 A | 282 | 242 | M63 x 1.5 | 8L | |

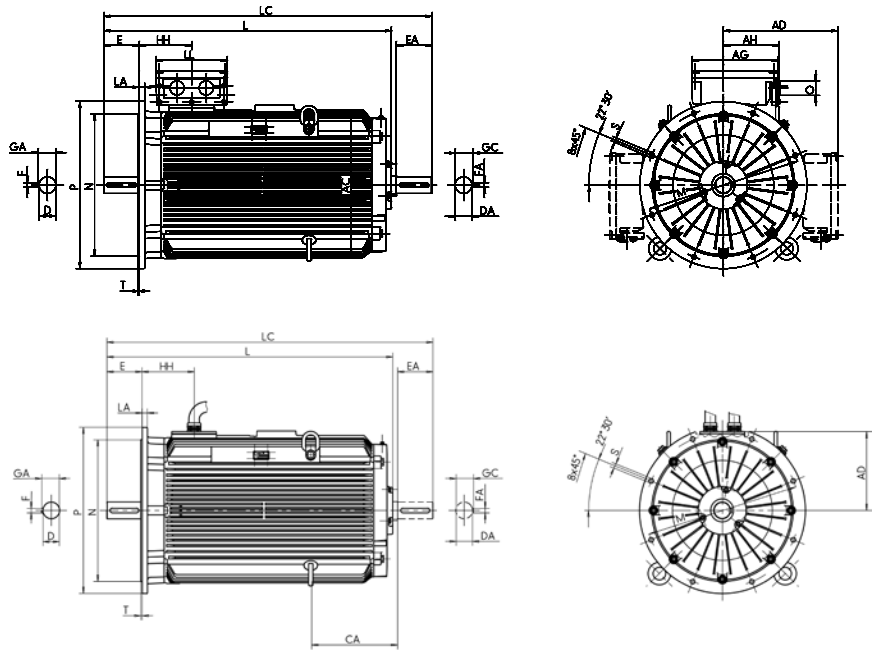
^{*)} Centre holes to DIN 332-DS
^{**)} Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 315

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | AH | O |
|------------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|----|------|-----|-----|------|------|---------|-----|-----|-----|-----------|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | x | z | - | r |
| IE1-K11R 315 S2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 879 | 1026 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 S4, 6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 M2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 934 | 1081 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 M4, 6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 1014 | 1161 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX4 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 1044 | 1191 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MX10, 12 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K11R 315 MY2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1113 | 1257 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 MY4, 6, 8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1143 | 1287 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 L2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1233 | 1377 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 L4, 6, 8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 LX2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1353 | 1497 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 LX4 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1383 | 1527 | 400 B | 415 | 340 | 265 | M63 x 1.5 |
| IE1-K11R 315 LX6, 8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1263 | 1407 | 400 B | 415 | 340 | 265 | M63 x 1.5 |

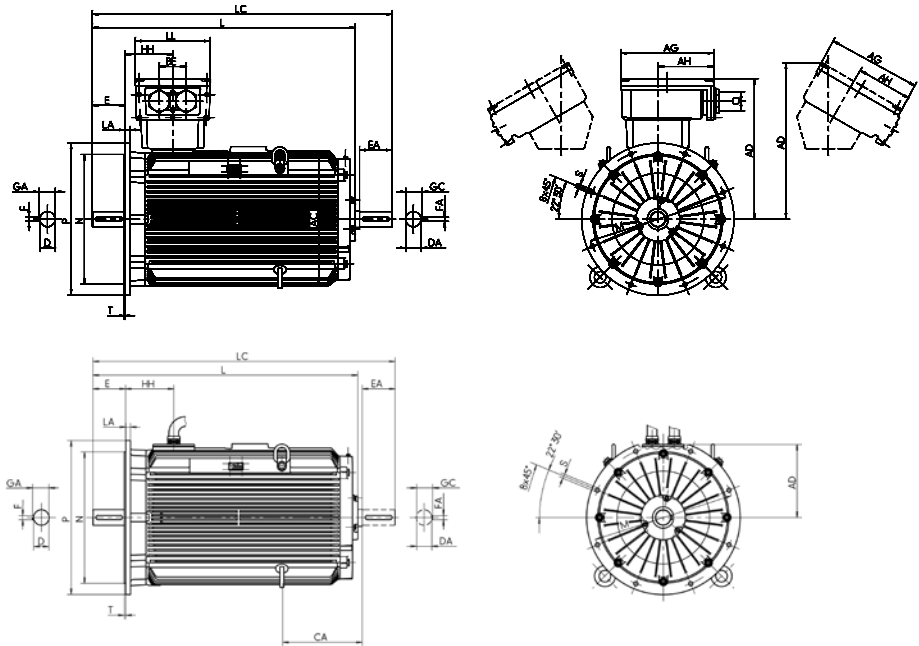
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 355

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD ¹⁾ | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | AH | BE | O |
|----------------------------|-------------|-----|-----|------------------|-----|-----|----|------------------|-----|-----|----|----|-----|----|-----|-----|------|------|---------|-----|-----|-----|-----|---------|
| | | g | g1 | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | x | z | - | - | r |
| IE1-K22R 355 MY2, M2 | FF 740 | 715 | 736 | 817 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 250 | 1365 | 1558 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 MY4, 6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 M4 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 M6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1405 | 1598 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 MX6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1525 | 1718 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 |
| IE1-K22R 355 MX2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |
| IE1-K22R 355 LY2,L2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1485 | 1678 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |
| IE1-K22R 355 MX4 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |
| IE1-K22R 355 LY4, 6, 8, L4 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1525 | 1718 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 |

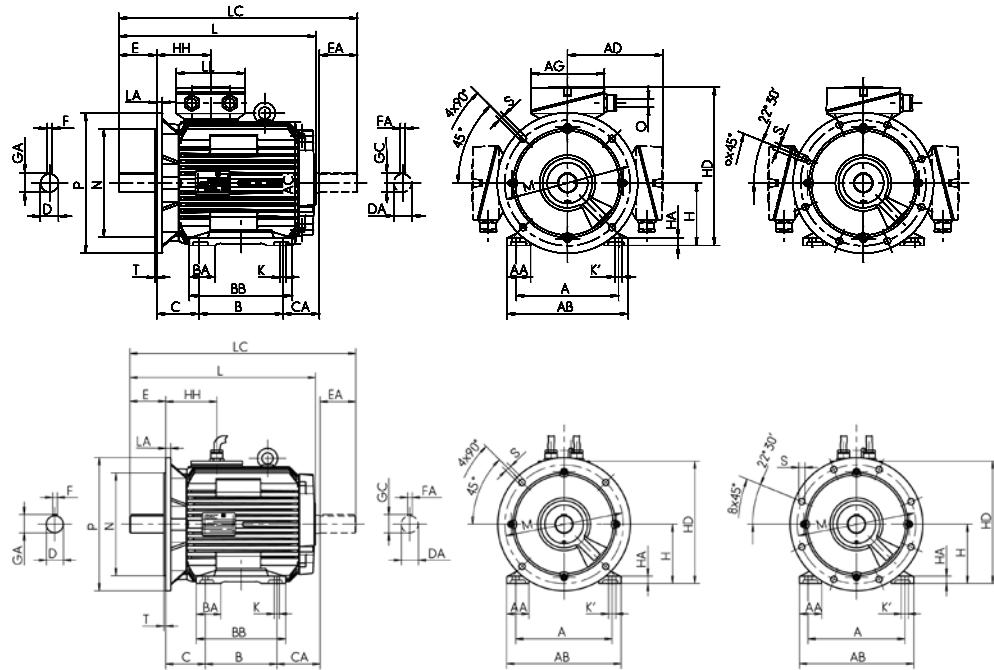
¹⁾ Centre holes to DIN 332-DS
²⁾ Terminal box inclined left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 132 to 250
 Size 132 to 160 with crowned flange

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



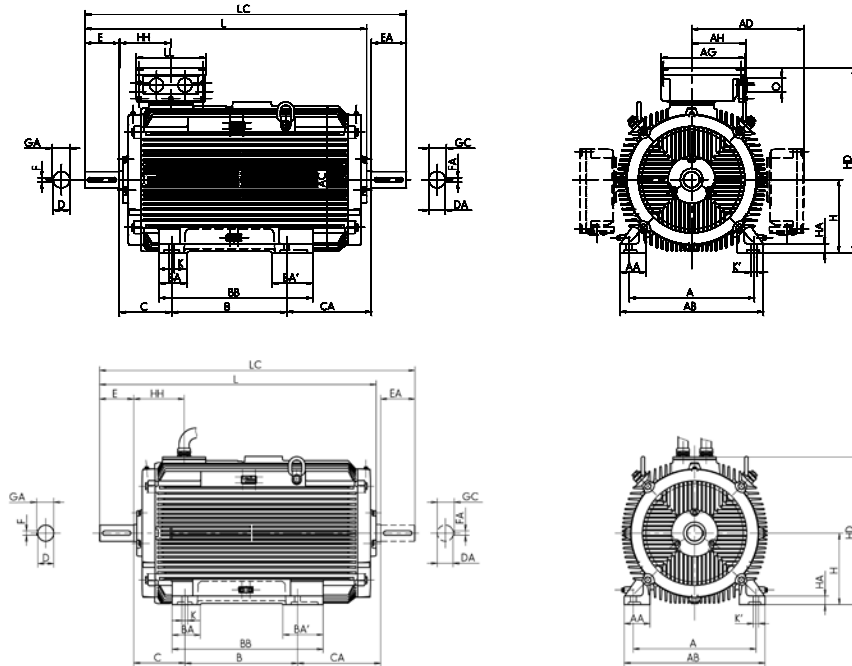
| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HD ^{*)} | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole |
|---------------------------|------|------|-----|----|-----|------------------|-----|------------------|-----|----|----|-----|-----|---------|-----|-----|-----------|---------|
| | t | t1 | h | c | p | p | p | p | A | s | s' | k | k1 | | | | | pattern |
| IE1-K10R 132 S FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 279 | 114 | 12 | 12 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L |
| IE1-K10R 132 M FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 279 | 114 | 12 | 12 | 468 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L |
| IE1-K10R 160 S2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 160 S4, 6, 8 FAN | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 160 M2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 160 M4, 6, 8 FAN | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 180 S2 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 369 | 147 | 15 | 20 | 562 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 180 S4, 6, 8 FAN | 59 | 51.5 | 180 | 20 | 441 | 369 | 371 | 369 | 147 | 15 | 20 | 562 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 180 M2 FAN | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 369 | 147 | 15 | 20 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 180 M4, 6, 8 FAN | 59 | 51.5 | 180 | 20 | 441 | 369 | 371 | 369 | 147 | 15 | 20 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L |
| IE1-K10R 200 M2 FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 417 | 168 | 19 | 25 | 661 | 797 | 100 A | 213 | 207 | M50 x 1.5 | 4L |
| IE1-K10R 200 M4, 6, 8 FAN | 64 | 59 | 200 | 22 | 500 | 417 | 411 | 417 | 168 | 19 | 25 | 691 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 4L |
| IE1-K10R 200 L2 FAN | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 417 | 168 | 19 | 25 | 701 | 837 | 100 A | 213 | 207 | M50 x 1.5 | 4L |
| IE1-K10R 200 L4, 6, 8 FAN | 64 | 59 | 200 | 22 | 500 | 417 | 411 | 417 | 168 | 19 | 25 | 731 | 867 | 100 A | 213 | 207 | M50 x 1.5 | 4L |
| IE1-K10R 225 M2 FAN | 59 | 59 | 225 | 25 | 549 | 459 | 460 | 459 | 177 | 19 | 25 | 707 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L |
| IE1-K10R 225 M4, 6, 8 FAN | 69 | 59 | 225 | 25 | 549 | 459 | 460 | 459 | 177 | 19 | 25 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L |
| IE1-K10R 250 S2 FAN | 69 | 69 | 250 | 28 | 636 | 493 | 513 | 493 | 206 | 24 | 30 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L |
| IE1-K10R 250 S4, 6, 8 FAN | 79.5 | 69 | 250 | 28 | 636 | 493 | 513 | 493 | 206 | 24 | 30 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L |
| IE1-K10R 250 M2 FAN | 69 | 69 | 250 | 28 | 636 | 493 | 513 | 493 | 206 | 24 | 30 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L |
| IE1-K10R 250 M4 FAN | 79.5 | 69 | 250 | 28 | 636 | 493 | 513 | 493 | 206 | 24 | 30 | 847 | 997 | 200 A | 213 | 207 | M63 x 1.5 | 8L |
| IE1-K10R 250 M6, 8 FAN | 69 | 69 | 250 | 28 | 636 | 493 | 513 | 493 | 206 | 24 | 30 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L |

**) Terminal box left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1**

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 280, 315

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BA' | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|---------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE1-K10R 280 S2 FAN | FF 600 | 457 | 88 | 522 | 550 | 416 | 368 | 94 | - | 431 | 190 | 188 | 70 | 70 | M20 | 140 | 140 | 20 | 20 |
| IE1-K10R 280 S4, 6, 8 FAN | FF 600 | 457 | 88 | 522 | 550 | 416 | 368 | 94 | - | 431 | 190 | 188 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K10R 280 M2 FAN | FF 600 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | - | 482 | 190 | 192 | 70 | 70 | M20 | 140 | 140 | 20 | 20 |
| IE1-K10R 280 M4, 6, 8 FAN | FF 600 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | - | 482 | 190 | 192 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| IE1-K10R 315 S2 FAN | FF 600 | 508 | 132 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 259 | 75 | 70 | M20 | 140 | 140 | 20 | 20 |
| IE1-K10R 315 S4 FAN | FF 600 | 508 | 132 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 259 | 90 | 70 | M24 | 170 | 140 | 25 | 20 |
| IE1-K10R 315 S6, 8 FAN | FF 600 | 508 | 132 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 179 | 90 | 70 | M24 | 170 | 140 | 25 | 20 |
| IE1-K10R 315 M2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 307 | 75 | 75 | M20 | 140 | 140 | 20 | 20 |
| IE1-K10R 315 M4, 6, 8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 457 | 120 | - | 573 | 216 | 307 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| IE1-K10R 315 M10, 12 FAN | FF 600 | 508 | 132 | 590 | 550 | 494 | 457 | 120 | 150 | 554 | 216 | 307 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| IE1-K10R 315 L2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 376 | 75 | 75 | M20 | 140 | 140 | 20 | 20 |
| IE1-K10R 315 L4, 6, 8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 376 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| IE1-K10R 315 LX2 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 496 | 75 | 75 | M20 | 140 | 140 | 20 | 20 |
| IE1-K10R 315 LX4 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 496 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| IE1-K10R 315 LX6, 8 FAN | FF 600 | 508 | 110 | 590 | 610 | 494 | 508 | 120 | - | 624 | 216 | 376 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |

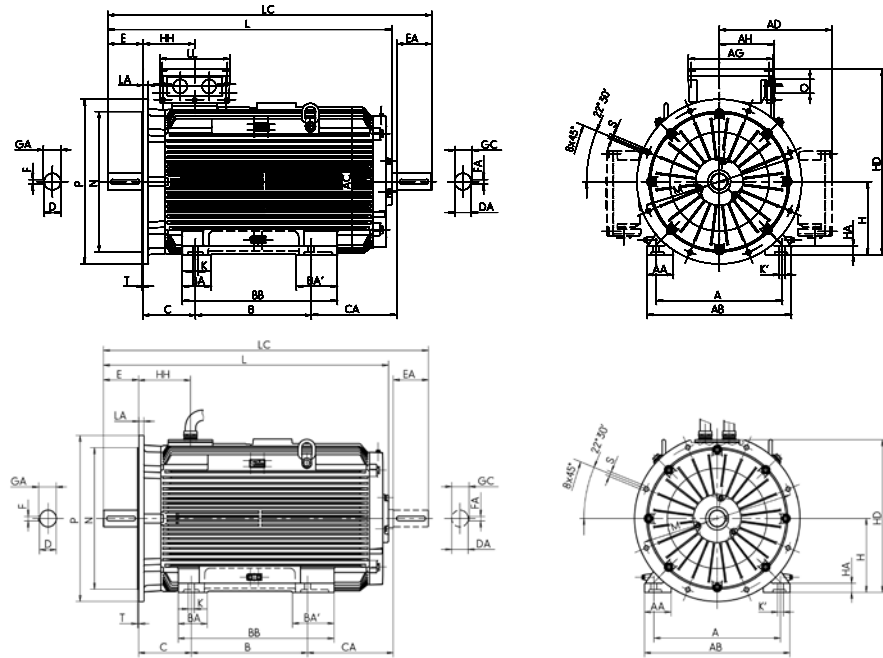
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
 Size 280, 315

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HD ^{*)} | HH | K | K' | L | LC | TB Type | AG | LL | AH | O |
|---------------------------|------|------|-----|----|-----|------------------|-----|------------------|-----|----|----|------|------|---------|-----|-----|-----|-----------|
| | t | t1 | h | c | p | p | p | p | A | s | s' | k | k1 | | x | z | - | r |
| IE1-K10R 280 S2 FAN | 74.5 | 74.5 | 280 | 40 | 696 | 560 | 595 | 560 | 211 | 24 | 30 | 879 | 1026 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 280 S4, 6, 8 FAN | 85 | 74.5 | 280 | 40 | 696 | 560 | 595 | 560 | 211 | 24 | 30 | 909 | 1056 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 280 M2 FAN | 74.5 | 74.5 | 280 | 40 | 696 | 560 | 595 | 560 | 211 | 24 | 30 | 934 | 1081 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 280 M4, 6, 8 FAN | 85 | 74.5 | 280 | 40 | 696 | 560 | 595 | 560 | 211 | 24 | 30 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 S2 FAN | 79.5 | 74.5 | 315 | 44 | 731 | 595 | 630 | 595 | 211 | 28 | 35 | 1014 | 1161 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 S4 FAN | 95 | 74.5 | 315 | 44 | 731 | 595 | 630 | 595 | 211 | 28 | 35 | 1044 | 1191 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 S6, 8 FAN | 95 | 74.5 | 315 | 44 | 731 | 595 | 630 | 595 | 211 | 28 | 35 | 964 | 1111 | 200 A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 M2 FAN | 79.5 | 79.5 | 315 | 44 | 809 | 628 | 663 | 628 | 230 | 28 | 35 | 1116 | 1260 | 400 B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 M4, 6, 8 FAN | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 628 | 230 | 28 | 35 | 1146 | 1290 | 400 B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 M10, 12 FAN | 95 | 79.5 | 315 | 44 | 774 | 595 | 630 | 595 | 211 | 28 | 35 | 1146 | 1290 | 400 B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 L2 FAN | 79.5 | 79.5 | 315 | 44 | 809 | 628 | 663 | 628 | 230 | 28 | 35 | 1236 | 1380 | 400 B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 L4, 6, 8 FAN | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 628 | 230 | 28 | 35 | 1266 | 1410 | 400 B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 LX2 FAN | 79.5 | 79.5 | 315 | 44 | 809 | 628 | 663 | 628 | 230 | 28 | 35 | 1356 | 1500 | 400 B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 LX4 FAN | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 628 | 230 | 28 | 35 | 1386 | 1530 | 400 B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 LX6, 8 FAN | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 628 | 230 | 28 | 35 | 1266 | 1410 | 400 B | 315 | 294 | 265 | M63 x 1.5 |

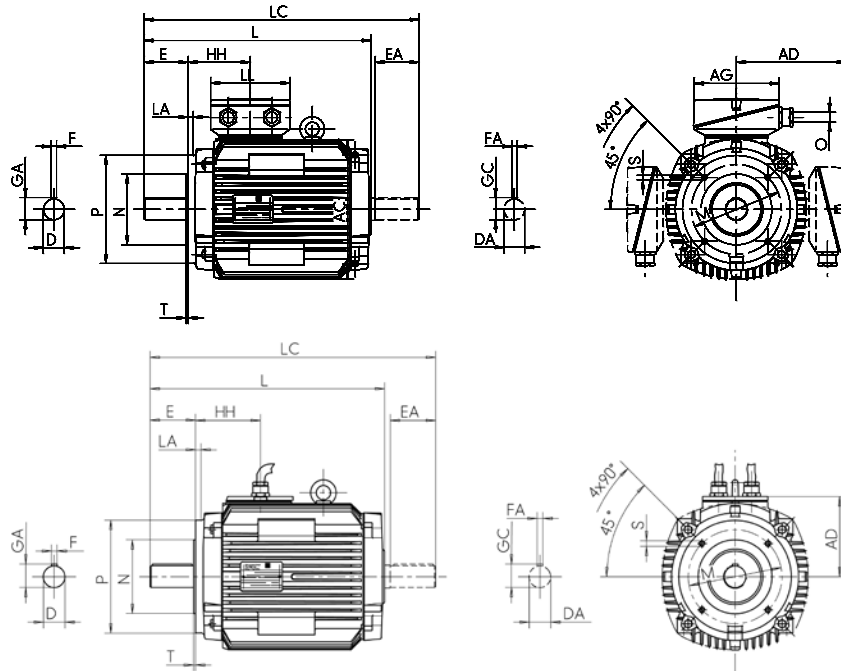
**) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 410, degree of protection IP 55
 Size 132 to 160

Type of construction IM B14 [IM 3601]

Flange dimensions, see page 8/23



| Type designation | Flange size | | A | AA | AB | AC | AD | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|---------------------------|-------------|--------|-----|----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | small | large | b | n | f | g | g1 | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| IE1-K10R 132 S FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 144 | 140 | 52.5 | 180 | 89 | 117 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE1-K10R 132 M FAN | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 144 | 178 | 52.5 | 218 | 89 | 127 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| IE1-K10R 160 S2 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 178 | 56 | 225 | 108 | 119 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE1-K10R 160 S4, 6, 8 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 178 | 56 | 225 | 108 | 119 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| IE1-K10R 160 M2 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 210 | 56 | 257 | 108 | 125 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| IE1-K10R 160 M4, 6, 8 FAN | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 210 | 56 | 257 | 108 | 125 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |

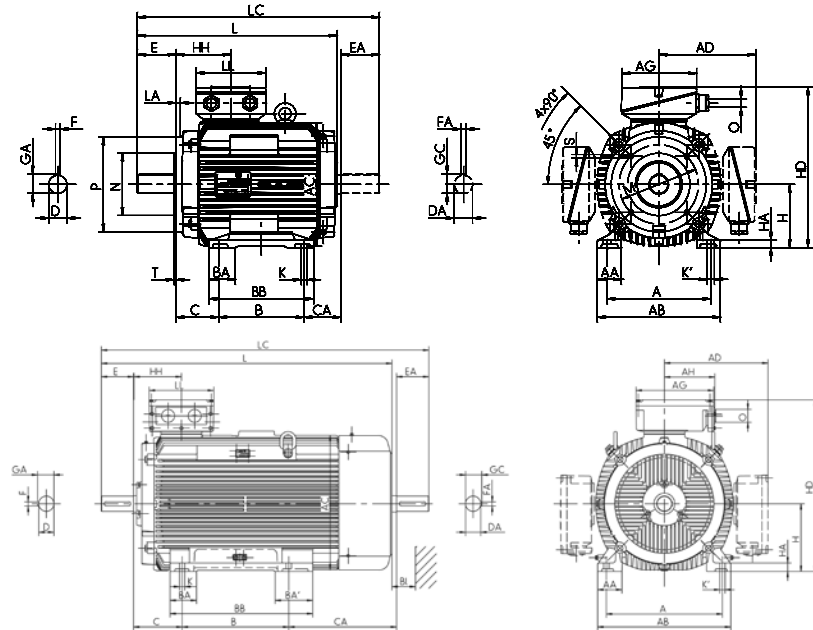
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 410, degree of protection IP 55
 Size 132 to 160

Type of construction IM B34 [IM 2101]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD ^{**} with TB | HD | HD ^{**} Cable | HH | K | K' | L | LC | TB Type | AG | LL | O |
|---------------------------|------|----|-----|----|-----|-----------------------------|-----|---------------------------|-----|----|----|-----|-----|---------|-----|-----|-----------|
| | t | t1 | h | c | p | p | p | p | A | s | s' | k | k1 | | | | |
| IE1-K10R 132 S FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 279 | 114 | 12 | 12 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 |
| IE1-K10R 132 M FAN | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 279 | 114 | 12 | 12 | 468 | 554 | 25 A | 156 | 145 | M32 x 1.5 |
| IE1-K10R 160 S2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K10R 160 S4, 6, 8 FAN | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K10R 160 M2 FAN | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 |
| IE1-K10R 160 M4, 6, 8 FAN | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 336 | 138 | 15 | 20 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 |

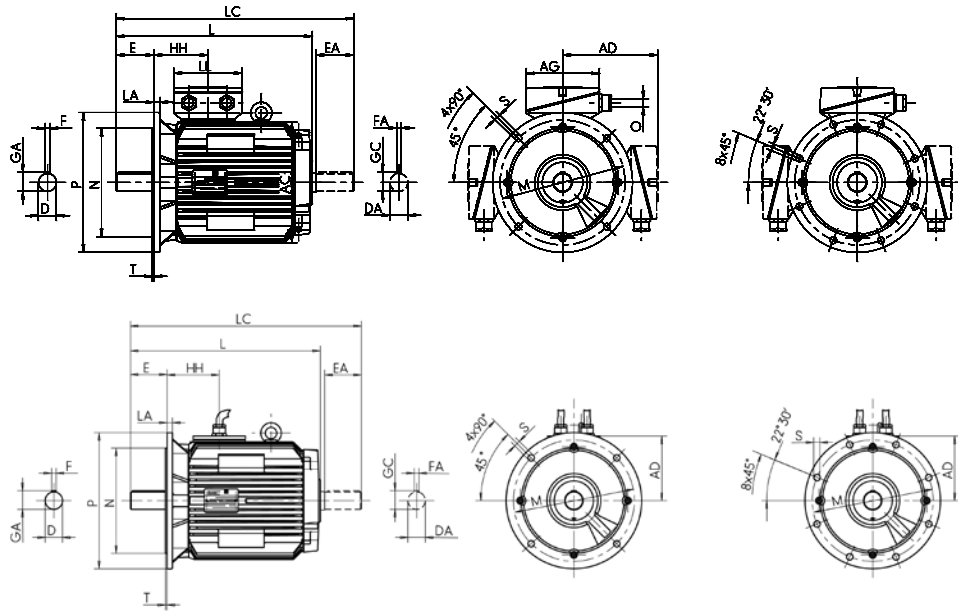
**) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 410, degree of protection IP 55
 Size 56 to 250

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB | Type | AG | LL | O | Hole |
|---------------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|------|-----|-----|-----|-----|-------|------|-----|-----------|----|---------|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | | | | | pattern |
| IE1-K10R 132 S FAN | FF 300 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 420 | 506 | 25 A | 156 | 145 | M32 x 1.5 | 4L | |
| IE1-K10R 132 M FAN | FF 300 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 468 | 554 | 25 A | 156 | 145 | M32 x 1.5 | 4L | |
| IE1-K10R 160 S2 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 160 S4, 6, 8 FAN | FF 300 | 313 | 242 | 172 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 160 | 138 | 502 | 625 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 160 M2 FAN | FF 300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 160 M4, 6, 8 FAN | FF 300 | 313 | 242 | 172 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 160 | 138 | 540 | 663 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 180 S2 FAN | FF 350 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 562 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 180 S4, 6, 8 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 180 | 147 | 562 | 689 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 180 M2 FAN | FF 350 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 180 M4, 6, 8 FAN | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 180 | 147 | 607 | 734 | 63 A | 193 | 167 | M40 x 1.5 | 4L | |
| IE1-K10R 200 M2 FAN | FF 400 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 661 | 797 | 100 A | 213 | 207 | M50 x 1.5 | 4L | |
| IE1-K10R 200 M4, 6, 8 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 200 | 168 | 691 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 4L | |
| IE1-K10R 200 L2 FAN | FF 400 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 701 | 837 | 100 A | 213 | 207 | M50 x 1.5 | 4L | |
| IE1-K10R 200 L4, 6, 8 FAN | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 200 | 168 | 731 | 867 | 100 A | 213 | 207 | M50 x 1.5 | 4L | |
| IE1-K10R 225 M2 FAN | FF 500 | 440 | 324 | 235 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 225 | 177 | 707 | 827 | 100 A | 213 | 207 | M50 x 1.5 | 8L | |
| IE1-K10R 225 M4, 6, 8 FAN | FF 500 | 440 | 324 | 235 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 225 | 177 | 737 | 857 | 100 A | 213 | 207 | M50 x 1.5 | 8L | |
| IE1-K10R 250 S2 FAN | FF 500 | 490 | 386 | 263 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 250 | 206 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L | |
| IE1-K10R 250 S4, 6, 8 FAN | FF 500 | 490 | 386 | 263 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 250 | 206 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L | |
| IE1-K10R 250 M2 FAN | FF 500 | 490 | 386 | 263 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 250 | 206 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L | |
| IE1-K10R 250 M4 FAN | FF 500 | 490 | 386 | 263 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 250 | 206 | 847 | 997 | 200 A | 213 | 207 | M63 x 1.5 | 8L | |
| IE1-K10R 250 M6, 8 FAN | FF 500 | 490 | 386 | 263 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 250 | 206 | 801 | 951 | 200 A | 213 | 207 | M63 x 1.5 | 8L | |

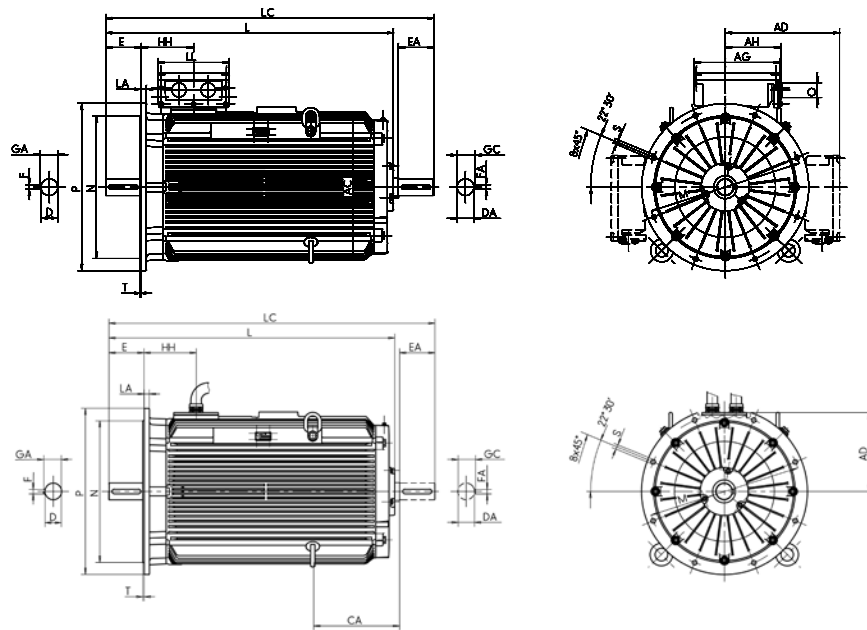
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 410, degree of protection IP 55
 Size 280, 315

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



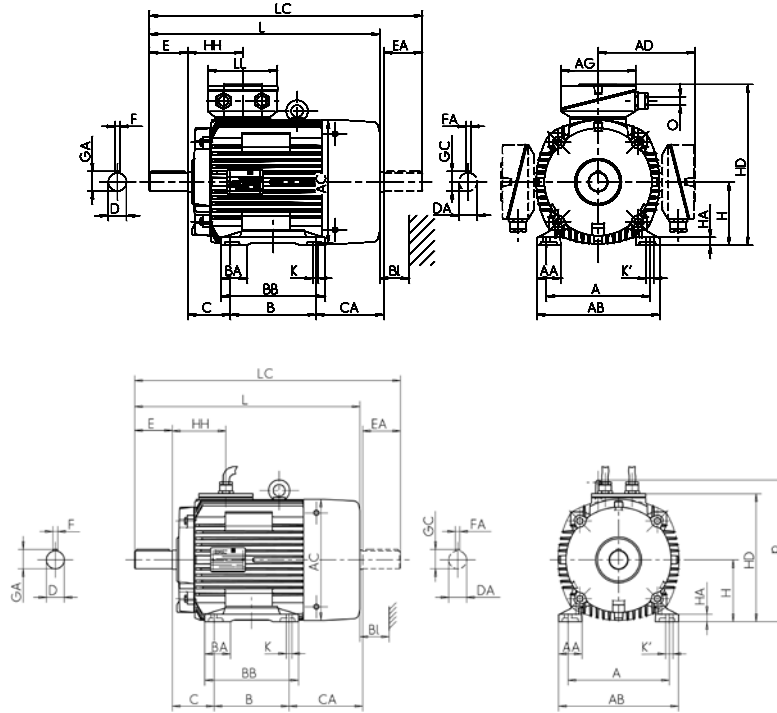
| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB | Type | AG | LL | AH | O |
|---------------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|------|-----|-----|------|------|-----|------|-----|-----|-----|-----------|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | x | z | - | r | |
| IE1-K10R 280 S2 FAN | FF 600 | 550 | 416 | 315 | 70 | 70 | M20 | 140 | 140 | 20 | 20 | 74.5 | 74.5 | 280 | 211 | 879 | 1026 | 200 | A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 280 S4. 6. 8 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 280 | 211 | 909 | 1056 | 200 | A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 280 M2 FAN | FF 600 | 550 | 416 | 315 | 70 | 70 | M20 | 140 | 140 | 20 | 20 | 74.5 | 74.5 | 280 | 211 | 934 | 1081 | 200 | A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 280 M4. 6. 8 FAN | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 280 | 211 | 964 | 1111 | 200 | A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 S2 FAN | FF 600 | 550 | 416 | 315 | 75 | 70 | M20 | 140 | 140 | 20 | 20 | 79.5 | 74.5 | 315 | 211 | 1014 | 1161 | 200 | A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 S4 FAN | FF 600 | 550 | 416 | 315 | 90 | 70 | M24 | 170 | 140 | 25 | 20 | 95 | 74.5 | 315 | 211 | 1044 | 1191 | 200 | A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 S6. 8 FAN | FF 600 | 550 | 416 | 315 | 90 | 70 | M24 | 170 | 140 | 25 | 20 | 95 | 74.5 | 315 | 211 | 964 | 1111 | 200 | A | 282 | 242 | - | M63 x 1.5 |
| IE1-K10R 315 M2 FAN | FF 600 | 610 | 494 | 348 | 75 | 75 | M20 | 140 | 140 | 20 | 20 | 79.5 | 79.5 | 315 | 230 | 1116 | 1260 | 400 | A | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 M4. 6. 8 FAN | FF 600 | 610 | 494 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1146 | 1290 | 400 | B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 M10. 12 FAN | FF 600 | 550 | 494 | 315 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 211 | 1146 | 1290 | 400 | B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 L2 FAN | FF 600 | 610 | 494 | 348 | 75 | 75 | M20 | 140 | 140 | 20 | 20 | 79.5 | 79.5 | 315 | 230 | 1236 | 1380 | 400 | B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 L4. 6. 8 FAN | FF 600 | 610 | 494 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1266 | 1410 | 400 | B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 LX2 FAN | FF 600 | 610 | 494 | 348 | 75 | 75 | M20 | 140 | 140 | 20 | 20 | 79.5 | 79.5 | 315 | 230 | 1356 | 1500 | 400 | B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 LX4 FAN | FF 600 | 610 | 494 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1386 | 1530 | 400 | B | 315 | 294 | 265 | M63 x 1.5 |
| IE1-K10R 315 LX6. 8 FAN | FF 600 | 610 | 494 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1266 | 1410 | 400 | B | 315 | 294 | 265 | M63 x 1.5 |

¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 280

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|----------------------------|-------------|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | g1 | a | m | e | w1 | w2 | d | d1 | l | l1 | u | u1 | |
| (IE1-)K21R 132 M4 | FF265 | 216 | 50 | 256 | 258 | 199 | 144 | 178 | 53 | 218 | 89 | 138 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K21R 132 MX6 | FF265 | 216 | 50 | 256 | 258 | 199 | 144 | 178 | 53 | 218 | 89 | 138 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K21R 160 M2 | FF300 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 135 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| (IE1-)K21R 160 M4, 6, 8 | FF300 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 135 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| (IE1-)K21R 160 MX8 | FF300 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 135 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| (IE1-)K21R 160 MX2 | FF300 | 254 | 55 | 296 | 313 | 242 | 172 | 210 | 60 | 257 | 108 | 148 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K21R 160 L2, 4, 6, 8 | FF300 | 254 | 55 | 296 | 313 | 242 | 172 | 254 | 60 | 301 | 108 | 142 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K21R 180 M2 | FF300 | 279 | 62 | 328 | 351 | 261 | 191 | 241 | 65 | 288 | 121 | 169 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| (IE1-)K21R 180 M4 | FF300 | 279 | 62 | 328 | 313 | 242 | 172 | 241 | 65 | 288 | 121 | 142 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| (IE1-)K21R 180 L4 | FF300 | 279 | 62 | 328 | 351 | 261 | 191 | 279 | 65 | 326 | 121 | 176 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| (IE1-)K21R 180 L6, 8 | FF300 | 279 | 62 | 328 | 313 | 242 | 172 | 279 | 65 | 326 | 121 | 104 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| (IE1-)K21R 200 L2, 4, 6, 8 | FF 350 | 318 | 70 | 372 | 351 | 261 | 191 | 305 | 70 | 360 | 133 | 138 | 55 | 48 | M20 | 110 | 110 | 16 | 14 |
| (IE1-)K21R 200 LX6 | FF 350 | 318 | 70 | 372 | 351 | 261 | 191 | 305 | 70 | 360 | 133 | 138 | 55 | 48 | M20 | 110 | 110 | 16 | 14 |
| (IE1-)K21R 200 LX2 | FF 350 | 318 | 70 | 372 | 390 | 300 | 211 | 305 | 70 | 360 | 133 | 193 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| (IE1-)K21R 225 S4, 8 | FF 400 | 356 | 75 | 413 | 390 | 300 | 211 | 286 | 75 | 343 | 149 | 196 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K21R 225 M2 | FF 400 | 356 | 75 | 413 | 390 | 300 | 211 | 311 | 75 | 368 | 149 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| (IE1-)K21R 225 M4 | FF 400 | 356 | 75 | 413 | 390 | 300 | 211 | 311 | 75 | 368 | 149 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K21R 225 M6, 8 | FF 400 | 356 | 75 | 413 | 390 | 300 | 211 | 311 | 75 | 368 | 149 | 171 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K21R 250 M2 | FF 500 | 406 | 84 | 471 | 440 | 358 | 235 | 349 | 84 | 412 | 168 | 210 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K21R 250 M4, 6, 8 | FF 500 | 406 | 84 | 471 | 440 | 358 | 235 | 349 | 84 | 412 | 168 | 210 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K21R 280 S2 | FF 500 | 457 | 94 | 522 | 490 | 386 | 285 | 368 | 96 | 431 | 190 | 234 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 280 S4, 6, 8 | FF 500 | 457 | 94 | 522 | 490 | 386 | 285 | 368 | 96 | 431 | 190 | 234 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| (IE1-)K21R 280 M2 | FF 500 | 457 | 94 | 522 | 490 | 386 | 285 | 419 | 96 | 482 | 190 | 229 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 280 M4, 6, 8 | FF 500 | 457 | 94 | 522 | 490 | 386 | 285 | 419 | 96 | 482 | 190 | 229 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |

¹⁾ Centre holes to DIN 332-DS

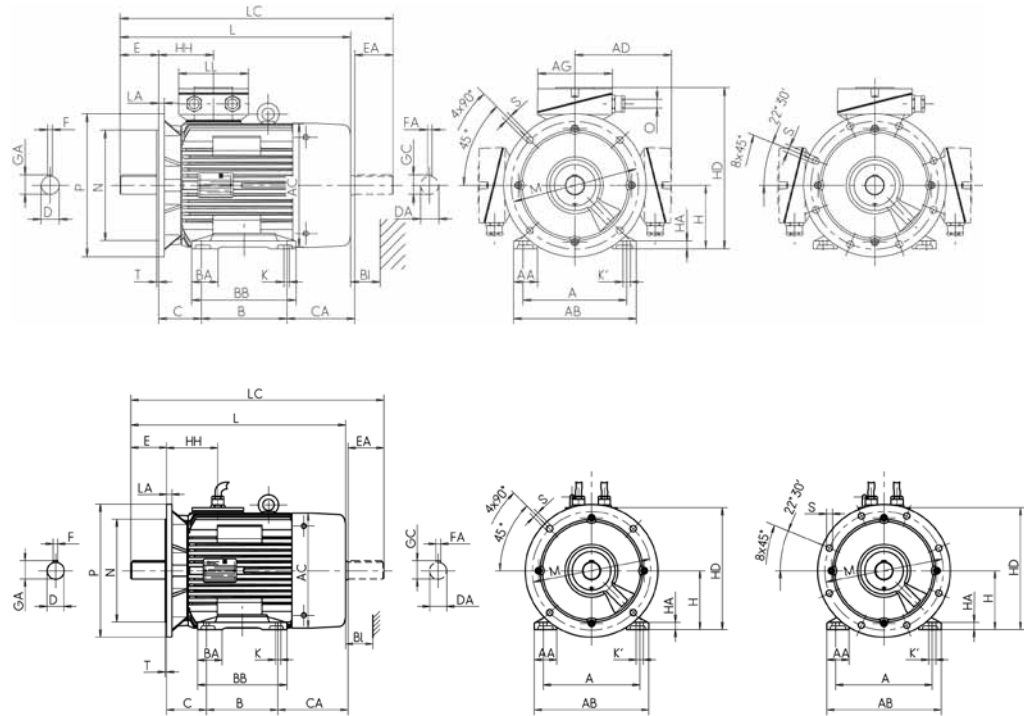
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3

Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
Size 132 to 280

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



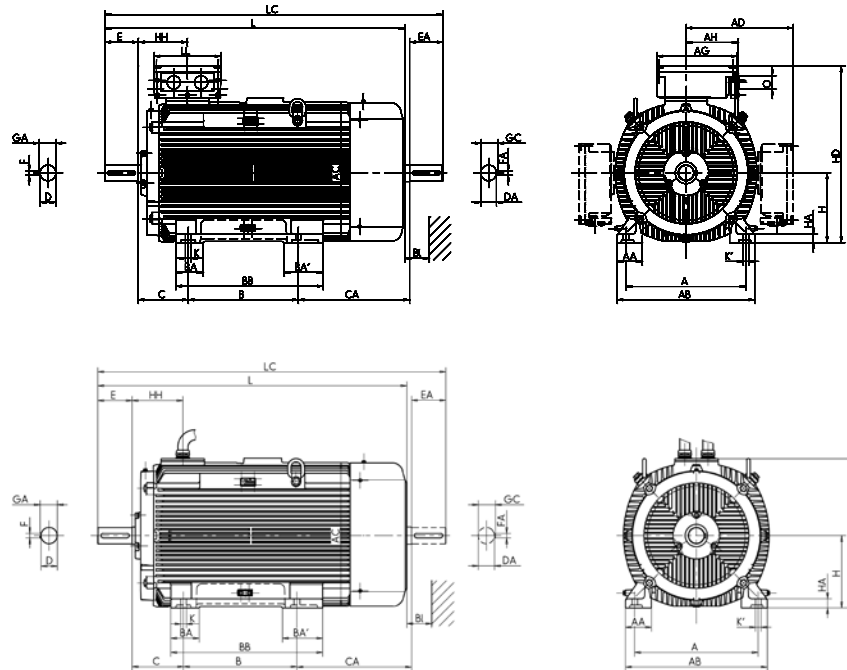
| Type designation | GA | GC | H | HA | HD | HD ^{**}) | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|----------------------------|------|------|-----|----|-----|--------------------|-----|-----|----|----|-----|------|---------|-----|---------|-----------|------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | X | Z | pattern | | | BI |
| (IE1-)K21R 132 M4 | 41 | 41 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 132 MX6 | 41 | 41 | 132 | 16 | 331 | 279 | 276 | 114 | 12 | 12 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 M2 | 45 | 41 | 160 | 18 | 363 | 307 | 304 | 114 | 15 | 15 | 559 | 643 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 M4, 6, 8 | 45 | 41 | 160 | 18 | 363 | 307 | 304 | 114 | 15 | 15 | 559 | 643 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 MX8 | 45 | 41 | 160 | 18 | 363 | 307 | 304 | 114 | 15 | 15 | 559 | 643 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 MX2 | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 571 | 686 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 L2, 4, 6, 8 | 45 | 45 | 160 | 18 | 409 | 336 | 332 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 180 M2 | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 635 | 751 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 180 M4 | 51.5 | 45 | 180 | 20 | 422 | 356 | 352 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 180 L4 | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 180 L6, 8 | 51.5 | 45 | 180 | 20 | 422 | 369 | 352 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 200 L2, 4, 6, 8 | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 200 LX6 | 59 | 51.5 | 200 | 22 | 461 | 389 | 391 | 147 | 19 | 25 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 200 LX2 | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 727 | 851 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 |
| (IE1-)K21R 225 S4, 8 | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 757 | 881 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| (IE1-)K21R 225 M2 | 59 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 767 | 891 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| (IE1-)K21R 225 M4 | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 797 | 921 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| (IE1-)K21R 225 M6, 8 | 64 | 59 | 225 | 25 | 527 | 442 | 436 | 168 | 19 | 25 | 757 | 881 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 |
| (IE1-)K21R 250 M2 | 64 | 59 | 250 | 28 | 608 | 484 | 485 | 177 | 24 | 30 | 862 | 977 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 45 |
| (IE1-)K21R 250 M4, 6, 8 | 69 | 59 | 250 | 28 | 608 | 484 | 485 | 177 | 24 | 30 | 862 | 977 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 45 |
| (IE1-)K21R 280 S2 | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 924 | 1072 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| (IE1-)K21R 280 S4, 6, 8 | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 924 | 1072 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| (IE1-)K21R 280 M2 | 69 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 970 | 1118 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| (IE1-)K21R 280 M4, 6, 8 | 79.5 | 69 | 280 | 32 | 666 | 523 | 565 | 206 | 24 | 30 | 970 | 1118 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |

**) Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
Size 315

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | AD | B | BA | BA' | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|--------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| (IE1-)K21R 315 S2 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 406 | 120 | - | 503 | 216 | 316 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 315 S4, 6, 8 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 406 | 120 | - | 503 | 216 | 316 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 M2 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | - | 554 | 216 | 320 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 315 M4, 6, 8 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | - | 554 | 216 | 320 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 MX2 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 400 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 315 MX4 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 400 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 MX6, 8 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 320 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 MX10, 12 | FF 600 | 508 | 126 | 590 | 550 | 416 | 315 | 457 | 120 | 150 | 554 | 216 | 320 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 MY2 | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 457 | 120 | - | 573 | 216 | 495 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 315 MY4, 6, 8 | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 457 | 120 | - | 573 | 216 | 495 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 L2 | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 539 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 315 L4, 6, 8 | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 564 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 LX2 | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 684 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K21R 315 LX4 | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 689 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K21R 315 LX6, 8 | FF 600 | 508 | 110 | 590 | 610 | 494 | 348 | 508 | 120 | - | 624 | 216 | 564 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |

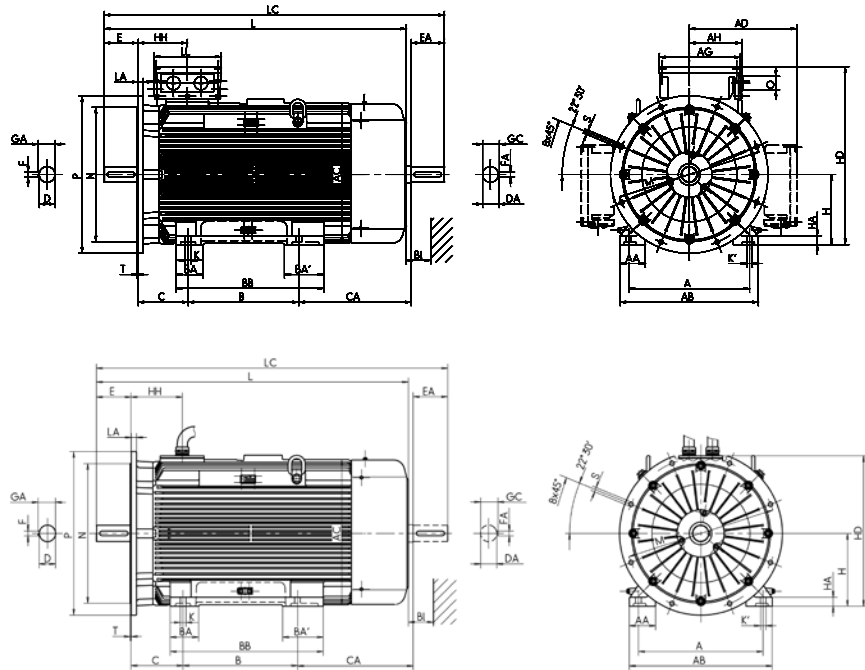
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 315

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



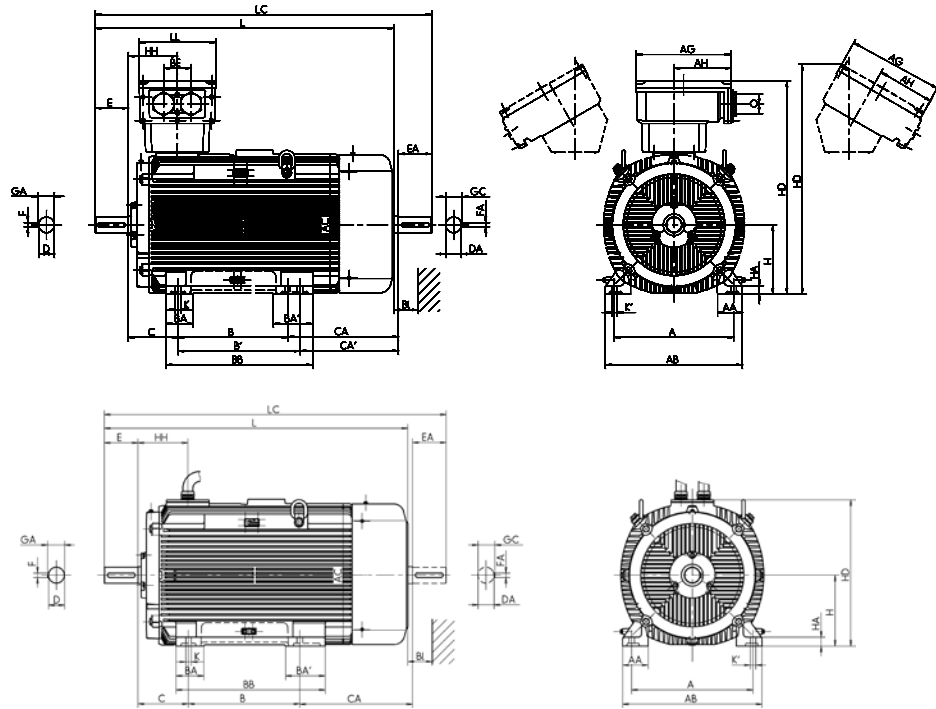
| Type designation | GA | GC | H | HA | HD | HD** with TB | HD Cable | HH | K | K' | L | LC | TB Type | AG | LL | AH | O | BI |
|--------------------------|----|------|-----|----|-----|-----------------|-------------|-----|----|----|------|------|---------|-----|-----|-----|-----------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | x | z | - | r | BI |
| (IE1-)K21R 315 S2 | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1050 | 1218 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 S4, 6, 8 | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1080 | 1248 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 M2 | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1105 | 1273 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 M4, 6, 8 | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX2 | 69 | 69 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1185 | 1353 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX4 | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1210 | 1383 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX6, 8 | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX10, 12 | 85 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MY2 | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1270 | 1448 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MY4, 6, 8 | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1300 | 1478 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 L2 | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1390 | 1543 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 L4, 6, 8 | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1420 | 1598 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 LX2 | 69 | 69 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1510 | 1688 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 LX4 | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1540 | 1723 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 LX6, 8 | 85 | 74.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1420 | 1598 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |

** Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
Size 355

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | B | BA | BA' | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|--------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| (IE1-)K22R 355 MY2, M2 | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 561 | 80 | 80 | M20 | 170 | 170 | 22 | 22 |
| (IE1-)K22R 355 MY4, 6, 8 | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 561 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| (IE1-)K22R 355 M4 | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 561 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| (IE1-)K22R 355 M6, 8 | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 561 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| (IE1-)K22R 355 MX6, 8 | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 681 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| (IE1-)K22R 355 MX2 | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 681 | 80 | 80 | M20 | 170 | 170 | 22 | 22 |
| (IE1-)K22R 355 LY2, L2 | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 611 | 80 | 80 | M20 | 170 | 170 | 22 | 22 |
| (IE1-)K22R 355 MX4 | FF 740 | 610 | 130 | 700 | 715 | 560 | 140 | 200 | 750 | 254 | 681 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| (IE1-)K22R 355 LY4, L4 | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 611 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |
| (IE1-)K22R 355 LY6, 8 | FF 740 | 610 | 130 | 700 | 715 | 630 | 140 | 200 | 750 | 254 | 611 | 100 | 80 | M24 | 210 | 170 | 28 | 22 |

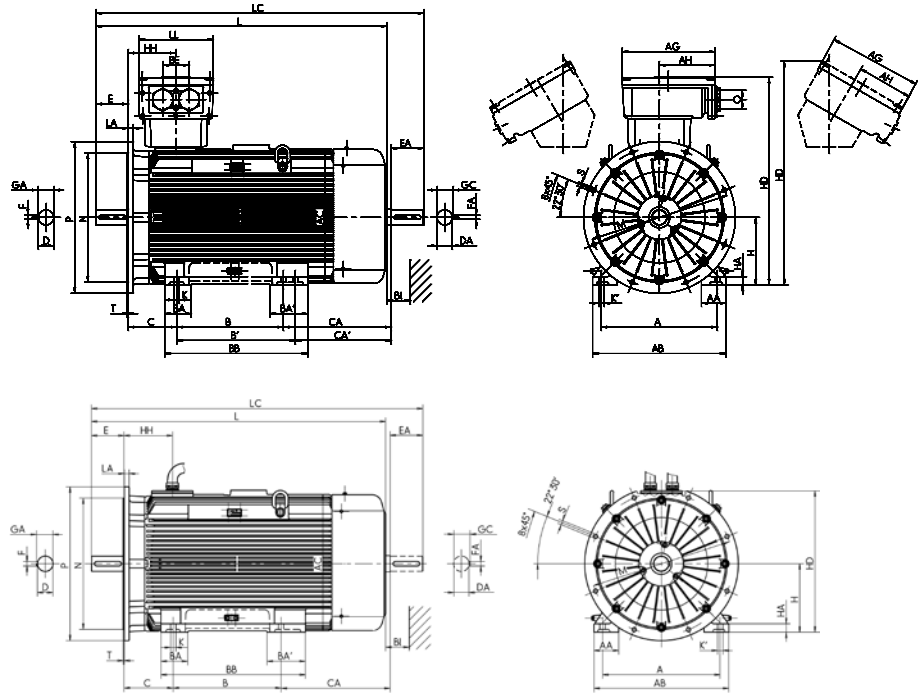
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 355

Type of construction IM B35 [IM 1001]

Flange dimensions, see page 8/23



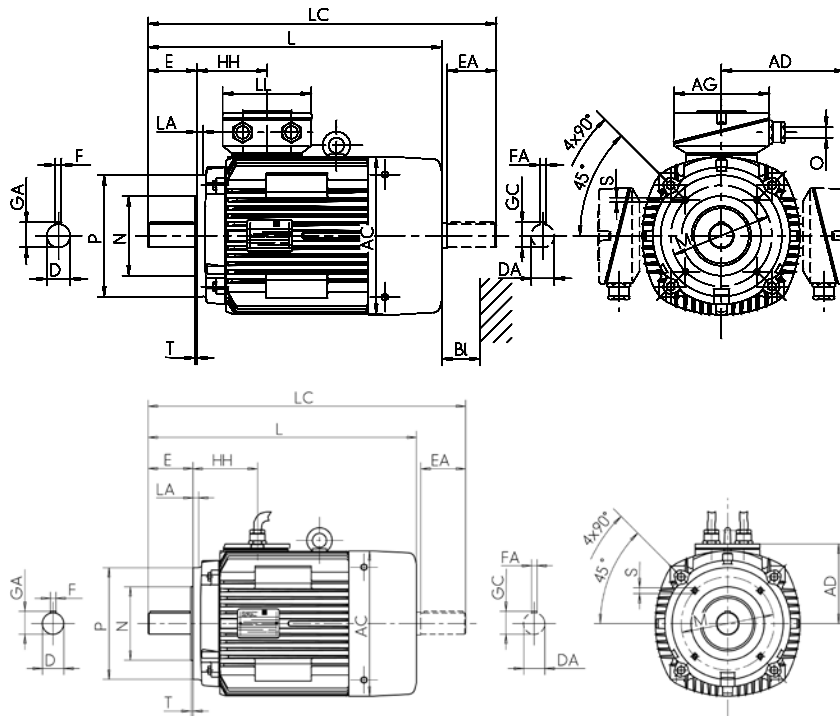
| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | BE | O | BI |
|--------------------------|-----|----|-----|----|------|------------------|-----|-----|----|----|------|------|---------|-----|-----|-----|-----|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | x | z | - | - | r | BI | |
| (IE1-)K22R 355 MY2, M2 | 85 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1530 | 1715 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 MY4, 6, 8 | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1570 | 1755 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 M4 | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1570 | 1755 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 M6, 8 | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1570 | 1755 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 MX6, 8 | 106 | 85 | 355 | 44 | 1091 | 1172 | 839 | 250 | 28 | 35 | 1690 | 1875 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 MX2 | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1650 | 1835 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 LY2, L2 | 85 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1650 | 1835 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 MX4 | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1690 | 1875 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 LY4, L4 | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1690 | 1875 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 LY6, 8 | 106 | 85 | 355 | 44 | 1083 | 1174 | 839 | 327 | 28 | 35 | 1690 | 1875 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |

^{*)} Terminal box inclined left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 180

Type of construction IM B14 [IM 3601]
 Flange dimensions, see page 8/23



| Type designation | Flange size | | A | AA | AB | AC | AD | AD | B | BA | BB | C | CA | D | DA | DB ⁷⁾ | E | EA | F | FA |
|----------------------------|-------------|--------|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | small | large | b | n | f | g | g1 | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| (IE1-)K21R 132 M4 | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 144 | 178 | 53 | 218 | 89 | 138 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K21R 132 MX6 | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 144 | 178 | 53 | 218 | 89 | 138 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K21R 160 M2 | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 135 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| (IE1-)K21R 160 M4, 6, 8 | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 135 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| (IE1-)K21R 160 MX8 | FT 165 | FT 215 | 254 | 55 | 296 | 258 | 214 | 144 | 210 | 60 | 257 | 108 | 135 | 42 | 38 | M16 | 110 | 80 | 12 | 10 |
| (IE1-)K21R 160 MX2 | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 210 | 60 | 257 | 108 | 148 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K21R 160 L2, 4, 6, 8 | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 172 | 254 | 60 | 301 | 108 | 142 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K21R 180 M4 | FT 265 | - | 279 | 62 | 328 | 313 | 242 | 172 | 241 | 65 | 288 | 121 | 142 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| (IE1-)K21R 180 L6, 8 | FT 265 | - | 279 | 62 | 328 | 313 | 242 | 172 | 279 | 65 | 326 | 121 | 104 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |

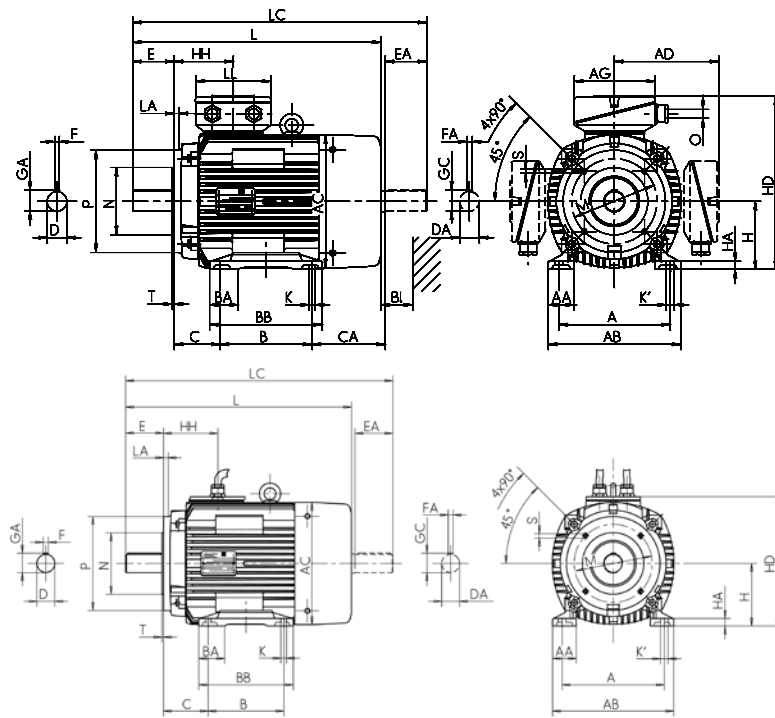
⁷⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 180

Type of construction IM B34 [IM 2101]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD ^{*)} with TB | HD Cable | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|----------------------------|------|----|-----|----|-----|-----------------------------|-------------|-----|----|----|-----|-----|---------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | - | x | z | r | pattern | BI |
| (IE1-)K21R 132 M4 | 41 | 41 | 132 | 16 | 349 | 297 | 276 | 114 | 12 | 12 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 132 MX6 | 41 | 41 | 132 | 16 | 349 | 297 | 276 | 114 | 12 | 12 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 M2 | 45 | 41 | 160 | 18 | 389 | 322 | 304 | 114 | 15 | 15 | 559 | 643 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 M4, 6, 8 | 45 | 41 | 160 | 18 | 389 | 322 | 304 | 114 | 15 | 15 | 559 | 643 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 MX8 | 45 | 41 | 160 | 18 | 389 | 322 | 304 | 114 | 15 | 15 | 559 | 643 | 25 A | 193 | 167 | M32 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 MX2 | 45 | 45 | 160 | 18 | 417 | 351 | 332 | 138 | 15 | 20 | 571 | 686 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 160 L2, 4, 6, 8 | 45 | 45 | 160 | 18 | 417 | 351 | 332 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 180 M4 | 51.5 | 45 | 180 | 20 | 417 | 351 | 352 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K21R 180 L6, 8 | 51.5 | 45 | 180 | 20 | 417 | 364 | 352 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |

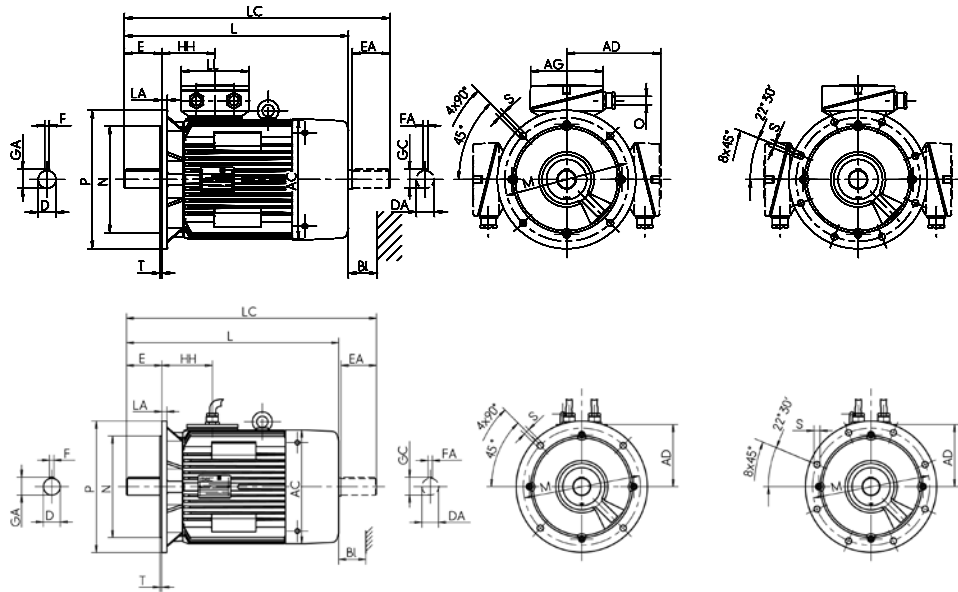
^{*)} Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 280

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC g | AD g1 | AD g1 | D d | DA d1 | DB ¹⁾ | E l | EA l1 | F u | FA u1 | GA t | GC t1 | H h | HH A | L k | LC k1 | TB | Type | AG | LL | O | Hole | BI |
|----------------------------|-------------|---------|----------|------------------|--------|----------|------------------|--------|----------|--------|----------|---------|----------|--------|---------|--------|----------|-------|------|-----|-----------|----|---------|----|
| | | | | with TB Cable | | | | | | | | | | | | | | | | | | | pattern | BI |
| (IE1-)K21R 132 M4 | FF265 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 | |
| (IE1-)K21R 132 MX6 | FF265 | 258 | 199 | 144 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 | |
| (IE1-)K21R 160 M2 | FF300 | 258 | 214 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 559 | 643 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 | |
| (IE1-)K21R 160 M4, 6, 8 | FF300 | 258 | 214 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 559 | 643 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 | |
| (IE1-)K21R 160 MX8 | FF300 | 258 | 199 | 144 | 42 | 38 | M16 | 110 | 80 | 12 | 10 | 45 | 41 | 160 | 114 | 559 | 643 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 | |
| (IE1-)K21R 160 MX2 | FF300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 571 | 686 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 160 L2, 4, 6, 8 | FF300 | 313 | 242 | 172 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 180 M2 | FF300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 635 | 751 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 180 M4 | FF300 | 313 | 242 | 172 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 180 | 138 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 180 L4 | FF300 | 351 | 261 | 191 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 180 L6, 8 | FF300 | 313 | 242 | 172 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 180 | 138 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 200 L2, 4, 6, 8 | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 200 LX6 | FF 350 | 351 | 261 | 191 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 200 | 147 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 | |
| (IE1-)K21R 200 LX2 | FF 350 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 727 | 851 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 35 | |
| (IE1-)K21R 225 S4, 8 | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 757 | 881 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 | |
| (IE1-)K21R 225 M2 | FF 400 | 390 | 300 | 211 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 225 | 168 | 767 | 891 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 | |
| (IE1-)K21R 225 M4 | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 797 | 921 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 | |
| (IE1-)K21R 225 M6, 8 | FF 400 | 390 | 300 | 211 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 225 | 168 | 757 | 881 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 40 | |
| (IE1-)K21R 250 M2 | FF 500 | 440 | 358 | 235 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 250 | 177 | 862 | 977 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 45 | |
| (IE1-)K21R 250 M4, 6, 8 | FF 500 | 440 | 358 | 235 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 250 | 177 | 862 | 977 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 45 | |
| (IE1-)K21R 280 S2 | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 924 | 1072 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 | |
| (IE1-)K21R 280 S4, 6, 8 | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 924 | 1072 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 | |
| (IE1-)K21R 280 M2 | FF 500 | 490 | 386 | 285 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 280 | 206 | 970 | 1118 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 | |
| (IE1-)K21R 280 M4, 6, 8 | FF 500 | 490 | 386 | 285 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 280 | 206 | 970 | 1118 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 | |

¹⁾ Centre holes to DIN 332-DS

²⁾ Terminal box left/right

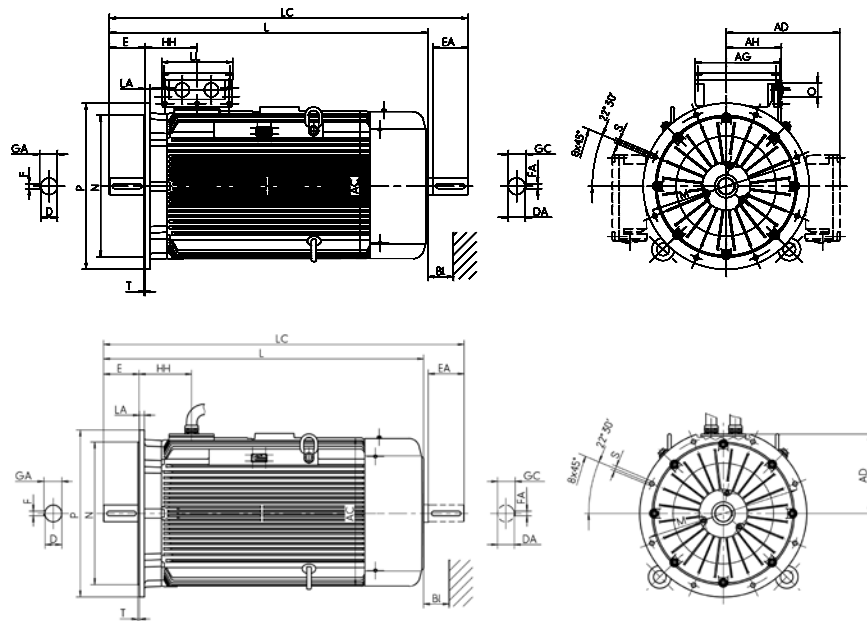
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 315

Type of construction IM B5 [IM 3001]

Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC g | AD g1 | AD g1 | D d | DA d1 | DB ¹⁾ | E l | EA l1 | F u | FA u1 | GA t | GC t1 | H h | HH A | L k | LC k1 | TB Type | AG x | LL z | AH - | O r | BI Bl |
|--------------------------|-------------|---------|----------|----------|--------|----------|------------------|--------|----------|--------|----------|---------|----------|--------|---------|--------|----------|---------|---------|---------|---------|-----------|----------|
| (IE1-)K21R 315 S2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 1050 | 1218 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 S4, 6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 1080 | 1248 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 M2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 1105 | 1273 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 M4, 6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX2 | FF 600 | 550 | 416 | 315 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 211 | 1185 | 1353 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX4 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 1215 | 1383 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MX10, 12 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 211 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MY2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1270 | 1448 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 MY4, 6, 8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1300 | 1478 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 L2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1390 | 1543 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 L4, 6, 8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1420 | 1598 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 LX2 | FF 600 | 610 | 494 | 348 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 315 | 230 | 1510 | 1688 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 LX4 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1540 | 1723 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |
| (IE1-)K21R 315 LX6, 8 | FF 600 | 610 | 494 | 348 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 315 | 230 | 1420 | 1598 | 400 B | 415 | 340 | 265 | M63 x 1.5 | 55 |

¹⁾ Centre holes to DIN 332-DS

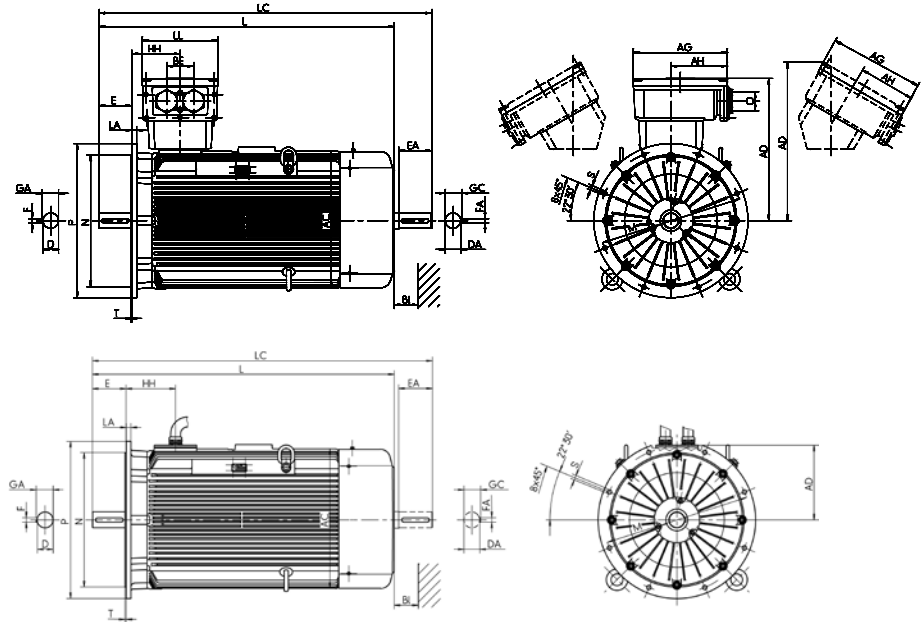
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 355

Type of construction IM B5 [IM 3001]

Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



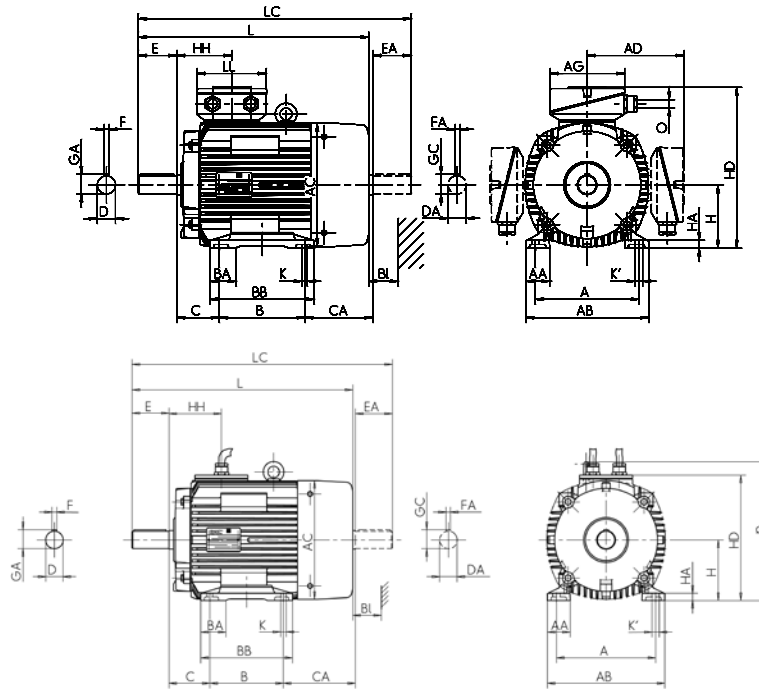
| Type designation | Flange size | AC | AD | AD **) | AD | D | DA | DB *) | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | AH | BE | O | BI |
|--------------------------|-------------|-------------------|-----|--------|-----|-----|----|-------|-----|-----|----|----|-----|----|-----|-----|------|------|--------------|-----|-----|-----|-----|---------|----|
| | | g | g1 | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | K | K1 | Standard VIK | x | z | - | - | r | BI |
| | | VIK ¹⁾ | x | z | - | - | r | BI | | | | | | | | | | | | | | | | | |
| (IE1-)K22R 355 MY2, M2 | FF 740 | 715 | 736 | 817 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 250 | 1530 | 1715 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 MY4, 6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1570 | 1755 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 M4 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1570 | 1755 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 M6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1570 | 1755 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 MX6, 8 | FF 740 | 715 | 736 | 817 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 250 | 1690 | 1875 | 630 A | 496 | 390 | 301 | 140 | M72 x 2 | 60 |
| (IE1-)K22R 355 MX2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1650 | 1835 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 LY2, L2 | FF 740 | 715 | 728 | 819 | 484 | 80 | 80 | M20 | 170 | 170 | 22 | 22 | 85 | 85 | 355 | 327 | 1650 | 1835 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 MX4 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1690 | 1875 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 LY, L4 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1690 | 1875 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |
| (IE1-)K22R 355 LY6, 8 | FF 740 | 715 | 728 | 819 | 484 | 100 | 80 | M24 | 210 | 170 | 28 | 22 | 106 | 85 | 355 | 327 | 1690 | 1875 | 1000 A | 615 | 474 | 385 | 200 | M72 x 2 | 60 |

¹⁾ Centre holes to DIN 332-DS
²⁾ Terminal box inclined left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Transnorm version
 Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 250

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|-------------------------|-------------|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | | b | n | f | g | g1 | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| (IE1-)K20R 132 S | FF 300 | 216 | 50 | 256 | 258 | 199 | 140 | 140 | 47 | 180 | 89 | 176 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K20R 132 M | FF 300 | 216 | 50 | 256 | 258 | 199 | 140 | 178 | 47 | 218 | 89 | 186 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K20R 160 S2 | FF 300 | 254 | 55 | 296 | 313 | 242 | 169 | 178 | 56 | 225 | 108 | 180 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K20R 160 S4, 6, 8 | FF 300 | 254 | 55 | 296 | 313 | 242 | 169 | 178 | 56 | 225 | 108 | 180 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| (IE1-)K20R 160 M2 | FF 300 | 254 | 55 | 296 | 313 | 242 | 169 | 210 | 56 | 257 | 108 | 186 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K20R 160 M4, 6, 8 | FF 300 | 254 | 55 | 296 | 313 | 242 | 169 | 210 | 56 | 257 | 108 | 186 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| (IE1-)K20R 180 S2 | FF 350 | 279 | 62 | 328 | 351 | 261 | 187 | 203 | 65 | 250 | 121 | 207 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| (IE1-)K20R 180 S4, 6, 8 | FF 350 | 279 | 62 | 328 | 351 | 261 | 187 | 203 | 65 | 250 | 121 | 207 | 55 | 48 | M20 | 110 | 110 | 16 | 14 |
| (IE1-)K20R 180 M2 | FF 350 | 279 | 62 | 328 | 351 | 261 | 187 | 241 | 65 | 288 | 121 | 214 | 48 | 48 | M16 | 110 | 110 | 14 | 14 |
| (IE1-)K20R 180 M4, 6, 8 | FF 350 | 279 | 62 | 328 | 351 | 261 | 187 | 241 | 65 | 288 | 121 | 214 | 55 | 48 | M20 | 110 | 110 | 16 | 14 |
| (IE1-)K20R 200 M2 | FF 400 | 318 | 70 | 372 | 390 | 300 | 209 | 267 | 70 | 322 | 133 | 231 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| (IE1-)K20R 200 M4, 6, 8 | FF 400 | 318 | 70 | 372 | 390 | 300 | 209 | 267 | 70 | 322 | 133 | 231 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K20R 200 L2 | FF 400 | 318 | 70 | 372 | 390 | 300 | 209 | 305 | 70 | 360 | 133 | 233 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| (IE1-)K20R 200 L4, 6, 8 | FF 400 | 318 | 70 | 372 | 390 | 300 | 209 | 305 | 70 | 360 | 133 | 233 | 60 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K20R 225 M2 | FF 500 | 356 | 75 | 413 | 440 | 324 | 233 | 311 | 75 | 368 | 149 | 267 | 55 | 55 | M20 | 110 | 110 | 16 | 16 |
| (IE1-)K20R 225 M4, 6, 8 | FF 500 | 356 | 75 | 413 | 440 | 324 | 233 | 311 | 75 | 368 | 149 | 267 | 65 | 55 | M20 | 140 | 110 | 18 | 16 |
| (IE1-)K20R 250 S2 | FF 500 | 406 | 84 | 469 | 490 | 386 | 263 | 311 | 84 | 374 | 168 | 313 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K20R 250 S4, 6, 8 | FF 500 | 406 | 84 | 469 | 490 | 386 | 263 | 311 | 84 | 374 | 168 | 313 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |
| (IE1-)K20R 250 M2 | FF 500 | 406 | 84 | 469 | 490 | 386 | 263 | 349 | 84 | 412 | 168 | 275 | 65 | 65 | M20 | 140 | 140 | 18 | 18 |
| (IE1-)K20R 250 M4, 6, 8 | FF 500 | 406 | 84 | 469 | 490 | 386 | 263 | 349 | 84 | 412 | 168 | 321 | 75 | 65 | M20 | 140 | 140 | 20 | 18 |

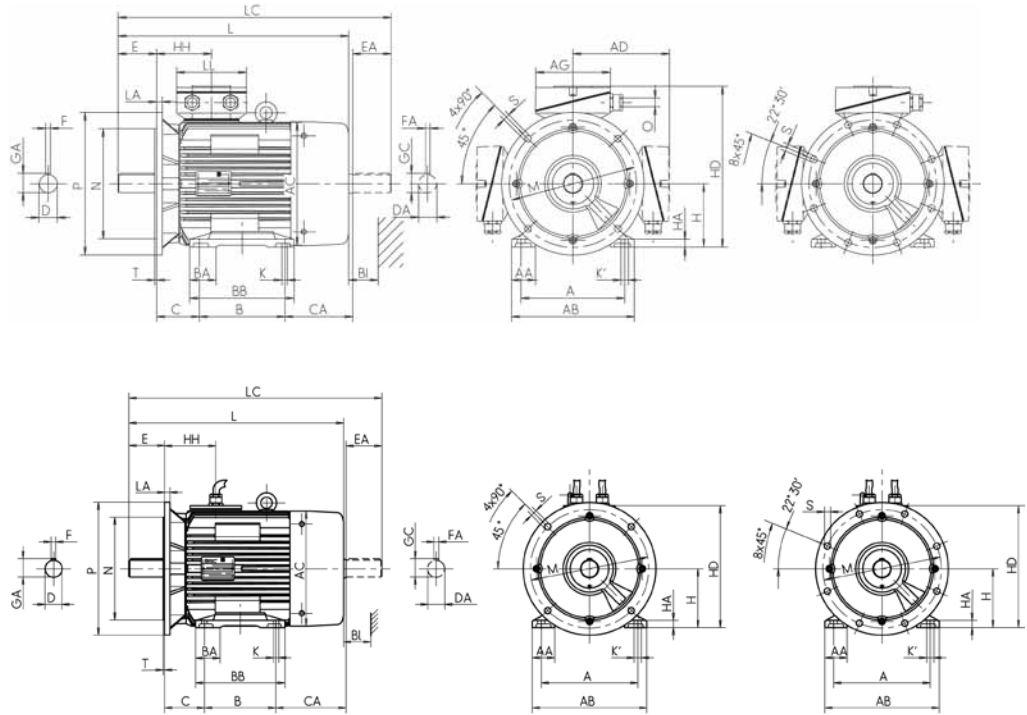
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Transnorm version
 Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 250
 Size 112 to 160 with crowned flange

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



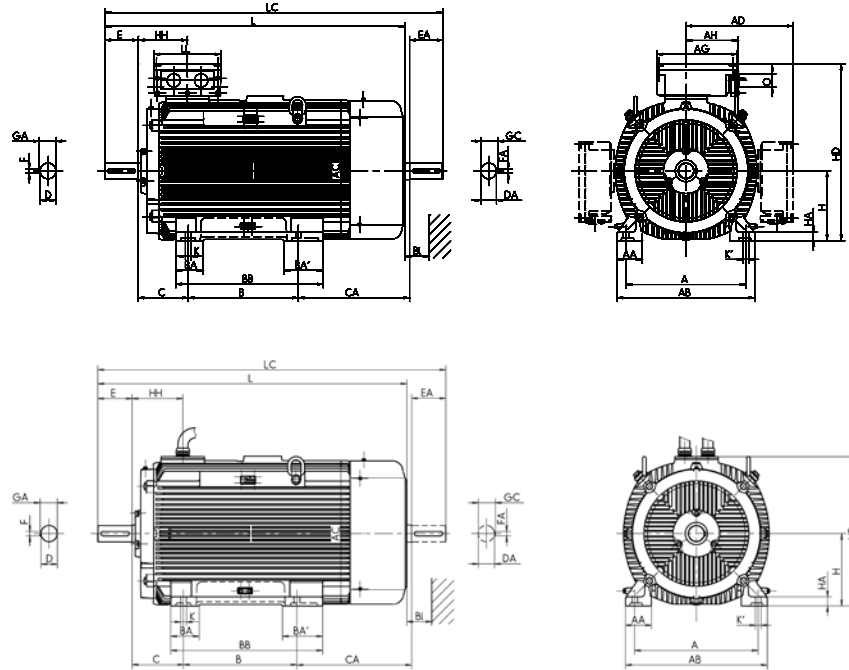
| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | BI |
|-------------------------|------|------|-----|----|-----|------------------|-----|-----|----|----|-----|------|---------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | | | | pattern | BI |
| (IE1-)K20R 132 S | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K20R 132 M | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 529 | 613 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 S2 | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 571 | 686 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 S4, 6, 8 | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 571 | 686 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 M2 | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 M4, 6, 8 | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 180 S2 | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 635 | 751 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 180 S4, 6, 8 | 59 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 635 | 751 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 180 M2 | 51.5 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 180 M4, 6, 8 | 59 | 51.5 | 180 | 20 | 441 | 369 | 371 | 147 | 15 | 20 | 680 | 796 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 200 M2 | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 727 | 851 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| (IE1-)K20R 200 M4, 6, 8 | 64 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 757 | 881 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| (IE1-)K20R 200 L2 | 59 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 767 | 891 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| (IE1-)K20R 200 L4, 6, 8 | 64 | 59 | 200 | 22 | 500 | 417 | 411 | 168 | 19 | 25 | 797 | 921 | 100 A | 213 | 207 | M50 x 1.5 | 4L | 40 |
| (IE1-)K20R 225 M2 | 59 | 59 | 225 | 25 | 549 | 459 | 460 | 177 | 19 | 25 | 832 | 947 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| (IE1-)K20R 225 M4, 6, 8 | 69 | 59 | 225 | 25 | 549 | 459 | 460 | 177 | 19 | 25 | 862 | 977 | 100 A | 213 | 207 | M50 x 1.5 | 8L | 45 |
| (IE1-)K20R 250 S2 | 69 | 69 | 250 | 28 | 636 | 493 | 513 | 206 | 24 | 30 | 924 | 1072 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| (IE1-)K20R 250 S4, 6, 8 | 79.5 | 69 | 250 | 28 | 636 | 493 | 513 | 206 | 24 | 30 | 924 | 1072 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| (IE1-)K20R 250 M2 | 69 | 69 | 250 | 28 | 636 | 493 | 513 | 206 | 24 | 30 | 924 | 1072 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |
| (IE1-)K20R 250 M4, 6, 8 | 79.5 | 69 | 250 | 28 | 636 | 493 | 513 | 206 | 24 | 30 | 970 | 1118 | 200 A | 282 | 242 | M63 x 1.5 | 8L | 50 |

**) Terminal box left/right

**Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1**

Transnorm version
Surface cooling, type of cooling IC 411, degree of protection IP 55
Size 280, 315

Type of construction IM B3 [IM 1001]



| Type designation | Flange size | A | AA | AB | AC | AD | B | BA | BA' | BB | C | CA | D | DA | DB *) | E | EA | F | FA |
|-------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-------|-----|-----|----|----|
| | | b | n | f | g | g1 | a | m | m1 | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| (IE1-)K20R 280 S2 | FF 600 | 457 | 88 | 522 | 550 | 416 | 368 | 94 | - | 431 | 190 | 380 | 70 | 70 | M20 | 140 | 140 | 20 | 20 |
| (IE1-)K20R 280 S4, 6, 8 | FF 600 | 457 | 88 | 522 | 550 | 416 | 368 | 94 | - | 431 | 190 | 380 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K20R 280 M2 | FF 600 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | - | 482 | 190 | 384 | 70 | 70 | M20 | 140 | 140 | 20 | 20 |
| (IE1-)K20R 280 M4, 6, 8 | FF 600 | 457 | 88 | 522 | 550 | 416 | 419 | 94 | - | 482 | 190 | 384 | 80 | 70 | M20 | 170 | 140 | 22 | 20 |
| (IE1-)K20R 315 S2 | FF 600 | 508 | 132 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 451 | 75 | 70 | M20 | 140 | 140 | 20 | 20 |
| (IE1-)K20R 315 S4 | FF 600 | 508 | 132 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 451 | 90 | 70 | M24 | 170 | 140 | 25 | 20 |
| (IE1-)K20R 315 S6, 8 | FF 600 | 508 | 132 | 590 | 550 | 416 | 406 | 120 | 150 | 554 | 216 | 371 | 90 | 70 | M24 | 170 | 140 | 25 | 20 |
| (IE1-)K20R 315 M2 | FF 600 | 508 | 110 | 590 | 610 | 498 | 457 | 120 | - | 573 | 216 | 495 | 75 | 75 | M20 | 140 | 140 | 20 | 20 |
| (IE1-)K20R 315 M4, 6, 8 | FF 600 | 508 | 110 | 590 | 610 | 498 | 457 | 120 | - | 573 | 216 | 495 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| (IE1-)K20R 315 M10, 12 | FF 600 | 508 | 132 | 590 | 550 | 498 | 457 | 120 | 150 | 554 | 216 | 320 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| (IE1-)K20R 315 L2 | FF 600 | 508 | 110 | 590 | 610 | 498 | 508 | 120 | - | 624 | 216 | 564 | 75 | 75 | M20 | 140 | 140 | 20 | 20 |
| (IE1-)K20R 315 L4, 6, 8 | FF 600 | 508 | 110 | 590 | 610 | 498 | 508 | 120 | - | 624 | 216 | 564 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| (IE1-)K20R 315 LX2 | FF 600 | 508 | 110 | 590 | 610 | 481 | 508 | 120 | - | 624 | 216 | 684 | 75 | 75 | M20 | 140 | 140 | 20 | 20 |
| (IE1-)K20R 315 LX4 | FF 600 | 508 | 110 | 590 | 610 | 481 | 508 | 120 | - | 624 | 216 | 684 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |
| (IE1-)K20R 315 LX6, 8 | FF 600 | 508 | 110 | 590 | 610 | 498 | 508 | 120 | - | 624 | 216 | 564 | 90 | 75 | M24 | 170 | 140 | 25 | 20 |

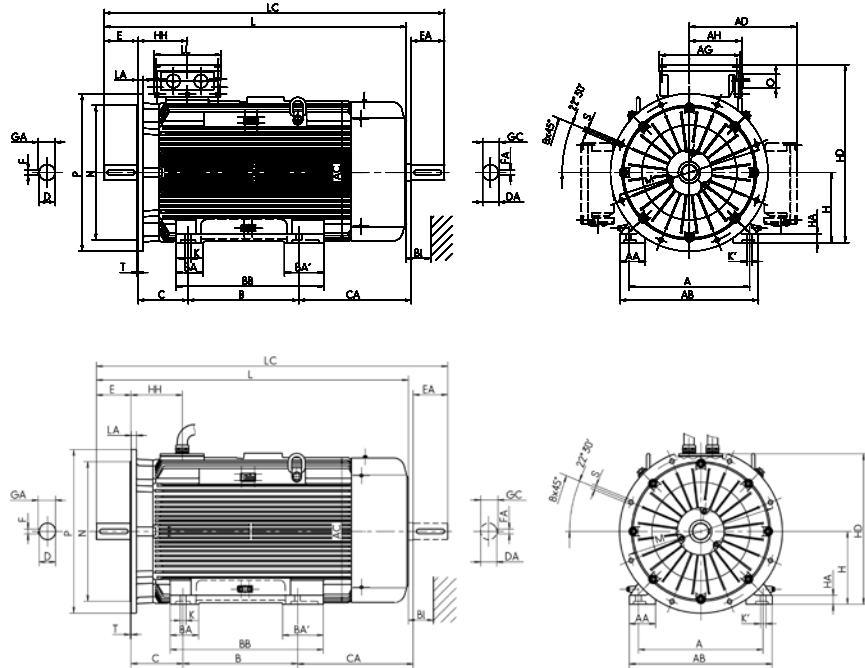
*) Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Transnorm version
 Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 280, 315

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



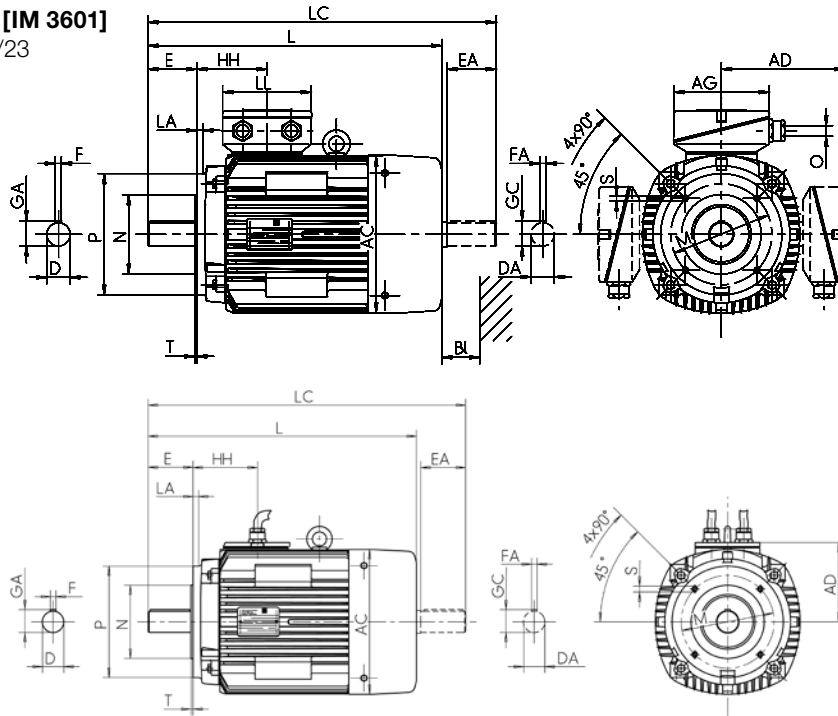
| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | AH | O | BI |
|-------------------------|------|------|-----|----|-----|------------------|-----|-----|----|----|------|------|---------|-----|-----|-----|-----------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | x | z | - | r | BI |
| (IE1-)K20R 280 S2 | 74.5 | 74.5 | 280 | 40 | 696 | 560 | 595 | 211 | 24 | 30 | 1050 | 1218 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 280 S4, 6, 8 | 85 | 74.5 | 280 | 40 | 696 | 560 | 595 | 211 | 24 | 30 | 1080 | 1248 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 280 M2 | 74.5 | 74.5 | 280 | 40 | 696 | 560 | 595 | 211 | 24 | 30 | 1105 | 1273 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 280 M4, 6, 8 | 85 | 74.5 | 280 | 40 | 696 | 560 | 595 | 211 | 24 | 30 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 S2 | 79.5 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1185 | 1353 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 S4 | 95 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1215 | 1383 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 S6, 8 | 95 | 74.5 | 315 | 44 | 731 | 595 | 630 | 211 | 28 | 35 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 M2 | 79.5 | 79.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1270 | 1448 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 M4, 6, 8 | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1300 | 1478 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 M10, 12 | 95 | 79.5 | 315 | 44 | 774 | 595 | 630 | 211 | 28 | 35 | 1135 | 1303 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 L2 | 79.5 | 79.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1390 | 1568 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 L4, 6, 8 | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1420 | 1598 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 LX2 | 79.5 | 79.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1510 | 1688 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 LX4 | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1540 | 1718 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 LX6, 8 | 95 | 79.5 | 315 | 44 | 809 | 628 | 663 | 230 | 28 | 35 | 1420 | 1598 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |

^{*)} Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Transnorm version
 Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 160

Type of construction IM B14 [IM 3601]
 Flange dimensions, see page 8/23



| Type designation | Flange size | | A | AA | AB | AC | AD | AD | B | BA | BB | C | CA | D | DA | DB ¹⁾ | E | EA | F | FA |
|-------------------------|-------------|--------|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|
| | small | large | b | n | f | g | g1 | g1 | a | m | e | w1 | w2 | d | d1 | | l | l1 | u | u1 |
| (IE1-)K20R 132 S | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 140 | 140 | 47 | 180 | 89 | 176 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K20R 132 M | FT 165 | FT 215 | 216 | 50 | 256 | 258 | 199 | 140 | 178 | 47 | 218 | 89 | 186 | 38 | 38 | M12 | 80 | 80 | 10 | 10 |
| (IE1-)K20R 160 S2 | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 169 | 178 | 56 | 225 | 108 | 180 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K20R 160 S4, 6, 8 | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 169 | 178 | 56 | 225 | 108 | 180 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |
| (IE1-)K20R 160 M2 | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 169 | 210 | 56 | 257 | 108 | 186 | 42 | 42 | M16 | 110 | 110 | 12 | 12 |
| (IE1-)K20R 160 M4, 6, 8 | FT 215 | FT 265 | 254 | 55 | 296 | 313 | 242 | 169 | 210 | 56 | 257 | 108 | 186 | 48 | 42 | M16 | 110 | 110 | 14 | 12 |

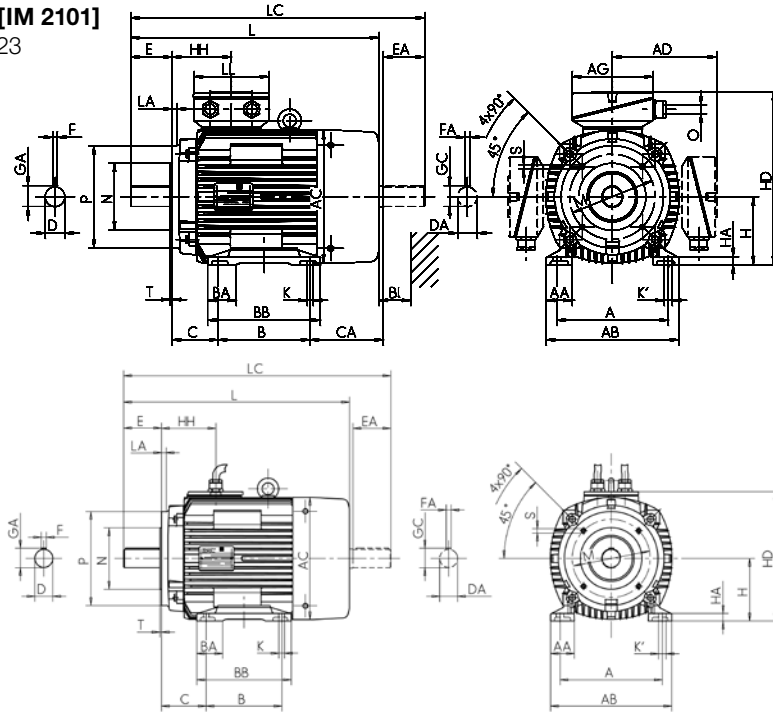
¹⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Transnorm version
 Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 160

Type of construction IM B34 [IM 2101]

Flange dimensions, see page 8/23



| Type designation | GA | GC | H | HA | HD | HD ^{*)} | HD | HH | K | K' | L | LC | TB Type | AG | LL | O | Hole | Bl |
|-------------------------|------|----|-----|----|-----|------------------|-----|-----|----|----|-----|-----|---------|-----|-----|-----------|---------|----|
| | t | t1 | h | c | p | p | p | A | s | s' | k | k1 | | | | | pattern | Bl |
| (IE1-)K20R 132 S | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 481 | 565 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K20R 132 M | 41 | 41 | 132 | 15 | 331 | 279 | 276 | 114 | 12 | 12 | 529 | 613 | 25 A | 156 | 145 | M32 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 S2 | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 571 | 686 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 S4, 6, 8 | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 571 | 686 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 M2 | 45 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |
| (IE1-)K20R 160 M4, 6, 8 | 51.5 | 45 | 160 | 18 | 402 | 336 | 332 | 138 | 15 | 20 | 609 | 724 | 63 A | 193 | 167 | M40 x 1.5 | 4L | 35 |

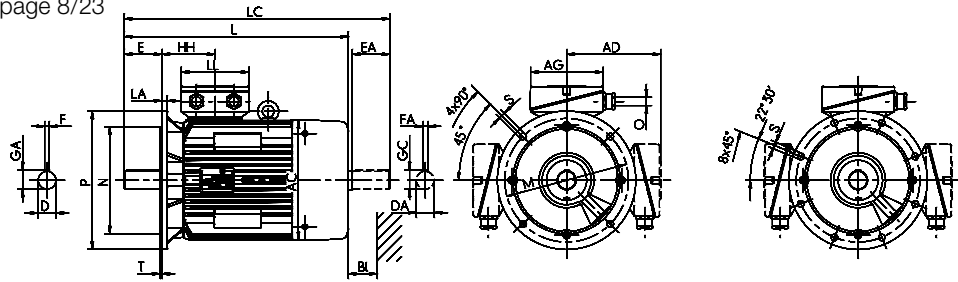
^{*)} Terminal box left/right

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

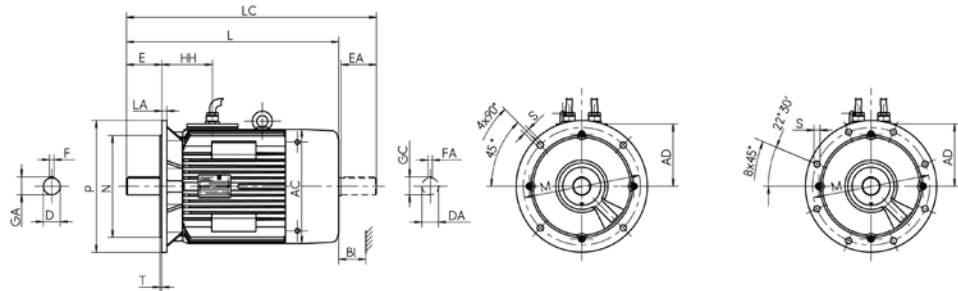
Transnorm version
 Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 132 to 250

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



Size 160 with crowned flange



| Type designation | Flange size | AC | AD | AD | D | DA | DB ⁷⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB | Type | AG | LL | O | Hole | BI |
|-------------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|------|-----|-----|-----|------|-----|------|-----|-----|---------|------|------------|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | | | | | | pattern BI |
| (IE1-)K20R 132 S | FF 300 | 258 | 199 | 140 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 481 | 565 | 25 | A | 156 | 145 | M32x1.5 | 4L | 35 |
| (IE1-)K20R 132 M | FF 300 | 258 | 199 | 140 | 38 | 38 | M12 | 80 | 80 | 10 | 10 | 41 | 41 | 132 | 114 | 529 | 613 | 25 | A | 156 | 145 | M32x1.5 | 4L | 35 |
| (IE1-)K20R 160 S2 | FF 300 | 313 | 242 | 169 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 571 | 686 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 160 S4, 6, 8 | FF 300 | 313 | 242 | 169 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 160 | 138 | 571 | 686 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 160 M2 | FF 300 | 313 | 242 | 169 | 42 | 42 | M16 | 110 | 110 | 12 | 12 | 45 | 45 | 160 | 138 | 609 | 724 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 160 M4, 6, 8 | FF 300 | 313 | 242 | 169 | 48 | 42 | M16 | 110 | 110 | 14 | 12 | 51.5 | 45 | 160 | 138 | 609 | 724 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 180 S2 | FF 350 | 351 | 261 | 187 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 635 | 751 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 180 S4, 6, 8 | FF 350 | 351 | 261 | 187 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 180 | 147 | 635 | 751 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 180 M2 | FF 350 | 351 | 261 | 187 | 48 | 48 | M16 | 110 | 110 | 14 | 14 | 51.5 | 51.5 | 180 | 147 | 680 | 796 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 180 M4, 6, 8 | FF 350 | 351 | 261 | 187 | 55 | 48 | M20 | 110 | 110 | 16 | 14 | 59 | 51.5 | 180 | 147 | 680 | 796 | 63 | A | 193 | 167 | M40x1.5 | 4L | 35 |
| (IE1-)K20R 200 M2 | FF 400 | 390 | 300 | 209 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 727 | 851 | 100 | A | 213 | 207 | M50x1.5 | 4L | 40 |
| (IE1-)K20R 200 M4, 6, 8 | FF 400 | 390 | 300 | 209 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 200 | 168 | 757 | 881 | 100 | A | 213 | 207 | M50x1.5 | 4L | 40 |
| (IE1-)K20R 200 L2 | FF 400 | 390 | 300 | 209 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 200 | 168 | 767 | 891 | 100 | A | 213 | 207 | M50x1.5 | 4L | 40 |
| (IE1-)K20R 200 L4, 6, 8 | FF 400 | 390 | 300 | 209 | 60 | 55 | M20 | 140 | 110 | 18 | 16 | 64 | 59 | 200 | 168 | 797 | 921 | 100 | A | 213 | 207 | M50x1.5 | 4L | 40 |
| (IE1-)K20R 225 M2 | FF 500 | 440 | 324 | 233 | 55 | 55 | M20 | 110 | 110 | 16 | 16 | 59 | 59 | 225 | 177 | 832 | 947 | 100 | A | 213 | 207 | M50x1.5 | 8L | 45 |
| (IE1-)K20R 225 M4, 6, 8 | FF 500 | 440 | 324 | 233 | 65 | 55 | M20 | 140 | 110 | 18 | 16 | 69 | 59 | 225 | 177 | 862 | 977 | 100 | A | 213 | 207 | M50x1.5 | 8L | 45 |
| (IE1-)K20R 250 S2 | FF 500 | 490 | 386 | 263 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 250 | 206 | 924 | 1072 | 200 | A | 282 | 242 | M63x1.5 | 8L | 50 |
| (IE1-)K20R 250 S4, 6, 8 | FF 500 | 490 | 386 | 263 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 250 | 206 | 924 | 1072 | 200 | A | 282 | 242 | M63x1.5 | 8L | 50 |
| (IE1-)K20R 250 M2 | FF 500 | 490 | 386 | 263 | 65 | 65 | M20 | 140 | 140 | 18 | 18 | 69 | 69 | 250 | 206 | 924 | 1072 | 200 | A | 282 | 242 | M63x1.5 | 8L | 50 |
| (IE1-)K20R 250 M4, 6, 8 | FF 500 | 490 | 386 | 263 | 75 | 65 | M20 | 140 | 140 | 20 | 18 | 79.5 | 69 | 250 | 206 | 970 | 1118 | 200 | A | 282 | 242 | M63x1.5 | 8L | 50 |

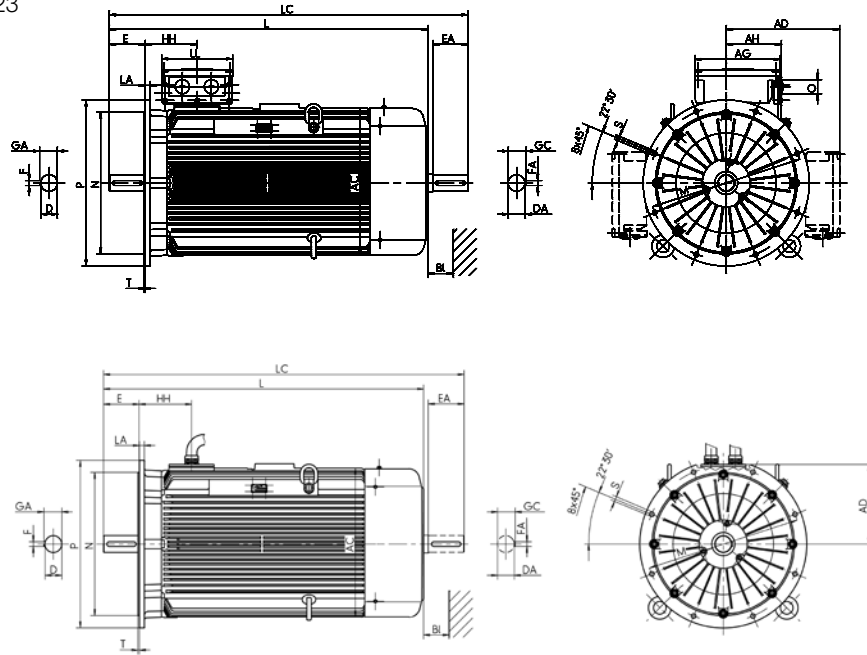
⁷⁾ Centre holes to DIN 332-DS

Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

Transnorm version
 Surface cooling, type of cooling IC 411, degree of protection IP 55
 Size 280, 315

Type of construction IM B5 [IM 3001]
Type of construction IM V1 [IM 3011]

Flange dimensions, see page 8/23



| Type designation | Flange size | AC | AD | AD | D | DA | DB ¹⁾ | E | EA | F | FA | GA | GC | H | HH | L | LC | TB Type | AG | LL | AH | O | BI |
|-------------------------|-------------|-----|-----|-----|----|----|------------------|-----|-----|----|----|------|------|-----|-----|------|------|---------|-----|-----|-----|-----------|----|
| | | g | g1 | g1 | d | d1 | | l | l1 | u | u1 | t | t1 | h | A | k | k1 | | x | z | - | r | Bl |
| (IE1-)K20R 280 S2 | FF 600 | 550 | 416 | 315 | 70 | 70 | M20 | 140 | 140 | 20 | 20 | 74.5 | 74.5 | 280 | 211 | 1050 | 1218 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 280 S4, 6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 280 | 211 | 1080 | 1248 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 280 M2 | FF 600 | 550 | 416 | 315 | 70 | 70 | M20 | 140 | 140 | 20 | 20 | 74.5 | 74.5 | 280 | 211 | 1105 | 1273 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 280 M4, 6, 8 | FF 600 | 550 | 416 | 315 | 80 | 70 | M20 | 170 | 140 | 22 | 20 | 85 | 74.5 | 280 | 211 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 S2 | FF 600 | 550 | 416 | 315 | 75 | 70 | M20 | 140 | 140 | 20 | 20 | 79.5 | 74.5 | 315 | 211 | 1185 | 1353 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 S4 | FF 600 | 550 | 416 | 315 | 90 | 70 | M24 | 170 | 140 | 25 | 20 | 95 | 74.5 | 315 | 211 | 1215 | 1383 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 S6, 8 | FF 600 | 550 | 416 | 315 | 90 | 70 | M24 | 170 | 140 | 25 | 20 | 95 | 74.5 | 315 | 211 | 1135 | 1303 | 200 A | 282 | 242 | - | M63 x 1.5 | 55 |
| (IE1-)K20R 315 M2 | FF 600 | 610 | 498 | 348 | 75 | 75 | M20 | 140 | 140 | 20 | 20 | 79.5 | 79.5 | 315 | 230 | 1270 | 1448 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 M4, 6, 8 | FF 600 | 610 | 498 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1300 | 1478 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 M10, 12 | FF 600 | 550 | 498 | 315 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 211 | 1135 | 1303 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 L2 | FF 600 | 610 | 498 | 348 | 75 | 75 | M20 | 140 | 140 | 20 | 20 | 79.5 | 79.5 | 315 | 230 | 1390 | 1568 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 L4, 6, 8 | FF 600 | 610 | 498 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1420 | 1598 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 LX2 | FF 600 | 610 | 481 | 348 | 75 | 75 | M20 | 140 | 140 | 20 | 20 | 79.5 | 79.5 | 315 | 230 | 1510 | 1688 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 LX4 | FF 600 | 610 | 481 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1540 | 1718 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |
| (IE1-)K20R 315 LX6, 8 | FF 600 | 610 | 498 | 348 | 90 | 75 | M24 | 170 | 140 | 25 | 20 | 95 | 79.5 | 315 | 230 | 1420 | 1598 | 400 B | 315 | 294 | 265 | M63 x 1.5 | 55 |

¹⁾ Centre holes to DIN 332-DS

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