



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 $F_{200} - F_{400}$ (F_{600}) 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

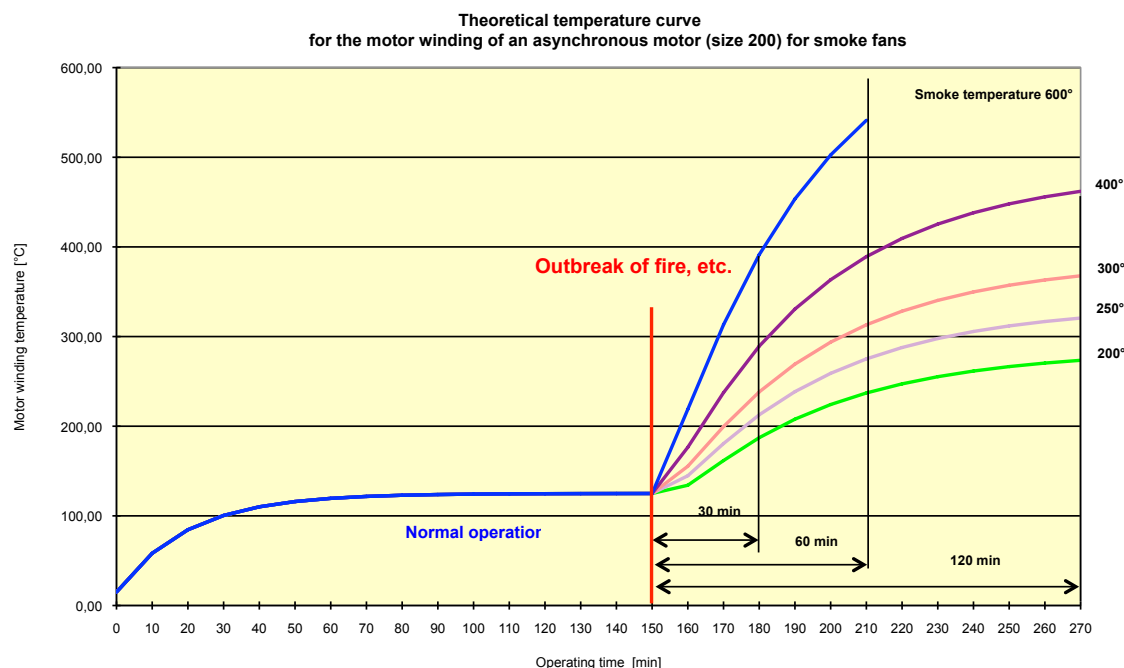
In practice, however, operators often demand stress exposure durations which deviate from those specified in the DIN EN standard; such cases are assigned to the appropriate basic class.
In class F₂₀₀, the assignments between mounting dimensions and rated output correspond to DIN 42673/DIN 42677. The 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.

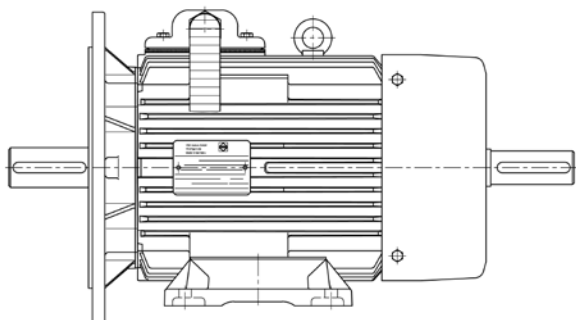
Motors for efficiency classes IE2 and IE3 in sizes 132...400 can only be supplied on the basis of the newly developed systems FV2-1, FV3-1 and FV4-4. Motors are supplied on the basis of a manufacturer's declaration until the results of customer testing of the overall system become available.

Motor connection

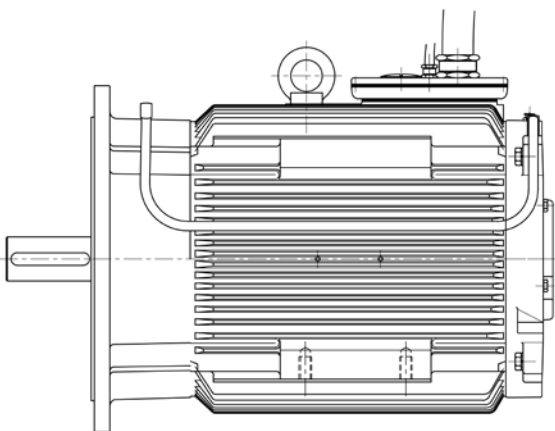
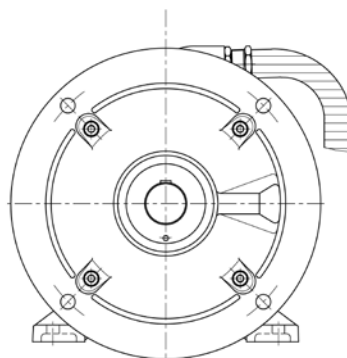
Upon customer request, it is possible – to a limited extent – to use terminal boxes with a connection plate. In such cases, the following conditions apply: VEM standard connection plates may be used for classes $F_{200}(60)$, F_{200} , $F_{250}(60)$ and $F_{600}X$. Ceramic connection plates with a stud 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.

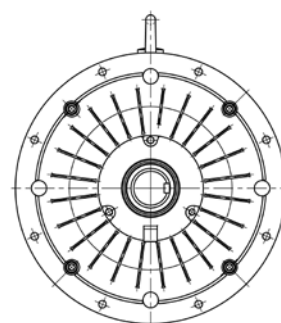
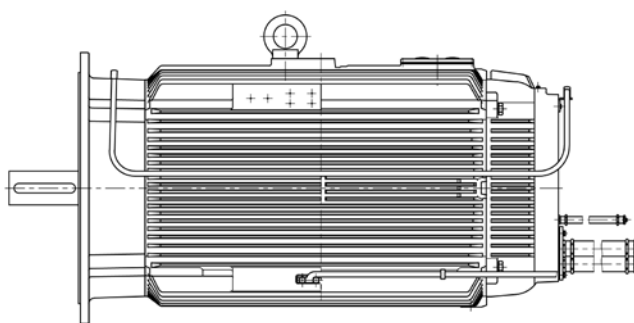
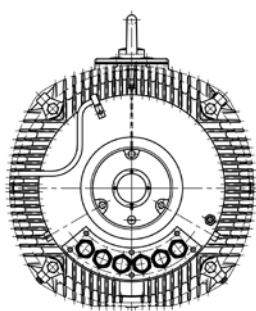
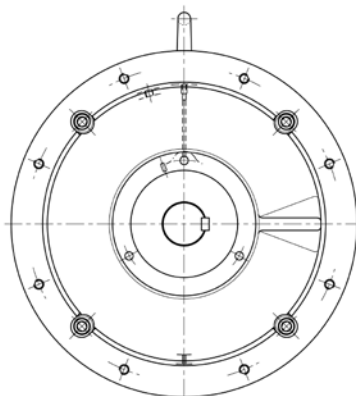
Motor version with connected cables



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 „Standand 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	F ₂₀₀ (60)	F ₂₀₀ + F ₂₅₀ (60)	F ₃₀₀	F ₃₀₀	F ₄₀₀				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	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 MX2	IE3-Y41R 315 MX2	IE3-W41R 315 MX2 FAN	IE3-Y41R 315 MX2 FAN	160	160.0	160.0	160	132	27	23.0	2.37	1095	
IE3-W41R 315 MY2	IE3-Y41R 315 MY2	IE3-W41R 315 MY2 FAN	IE3-Y41R 315 MY2 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 MX4	IE3-Y41R 315 MX4	IE3-W41R 315 MX4 FAN	IE3-Y41R 315 MX4 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	F ₂₀₀ (60)	F ₂₀₀ + F ₂₅₀ (60)	F ₃₀₀	F ₃₀₀	F ₄₀₀				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	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

				Class	F ₂₀₀ (60)	F ₂₀₀ + F ₂₅₀ (60)	F ₃₀₀	F ₃₀₀	F ₄₀₀				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	kg	
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	F ₂₀₀ (60)	F ₂₀₀ + F ₂₅₀ (60)	F ₃₀₀	F ₃₀₀	F ₄₀₀				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	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	F ₂₀₀ (60)	F ₂₀₀ + F ₂₅₀ (60)	F ₃₀₀	F ₃₀₀	F ₄₀₀				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	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	F ₂₀₀ (60)	F ₂₀₀ + F ₂₅₀ (60)	F ₃₀₀	F ₃₀₀	F ₄₀₀				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	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	$F_{200}(60)$	$F_{200} + F_{250}(60)$	F_{300}	F_{300}	F_{400}				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	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	F ₂₀₀ (60)	F ₂₀₀ + F ₂₅₀ (60)	F ₃₀₀	F ₃₀₀	F ₄₀₀				
				Thermal stress	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	m³ /min	ms ⁻¹	kgm²	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	Anti-friction bearing	D-end				Anti-friction bearing	N-end		Figure		Fixed bearing
		V-ring	γ-ring	Wave spring	Disc spring		V-ring	γ-ring	N-end	D-end	
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	Anti-friction bearing	D-end				Anti-friction bearing	N-end		Figure		Fixed bearing
		V-ring	γ-ring	Wave spring	Disc spring		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	V-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				Anti-friction bearing	N-end		Figure		Fixed bearing
									D-end N-end		
		V-ring	γ-ring	Wave spring	Disc spring		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				Anti-friction bearing	N-end		Figure		Fixed bearing
		V-ring	γ-ring	Wave spring	Disc spring		V-ring	γ-ring	D-end N-end		
(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

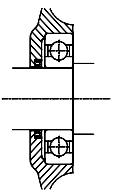
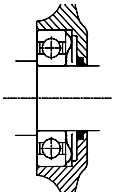
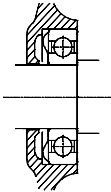
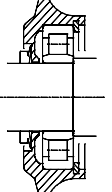
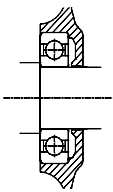
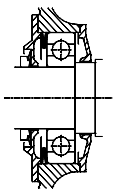
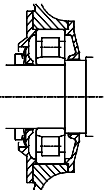
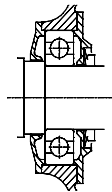
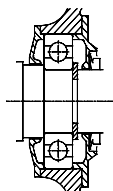
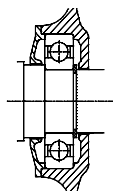
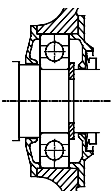
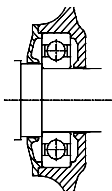
For fire-gas class FV4, only bearings with a solid brass cage are used

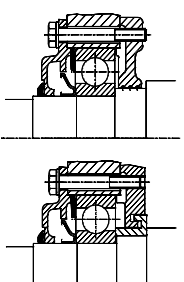
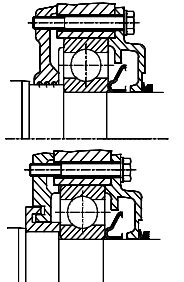
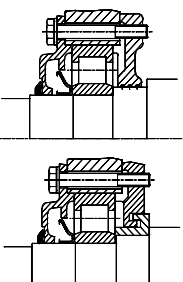
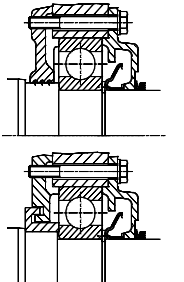
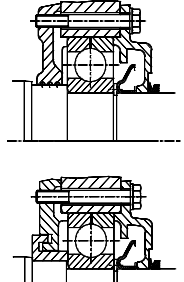
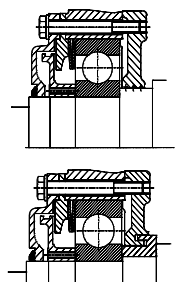
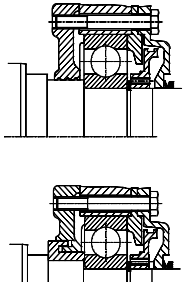
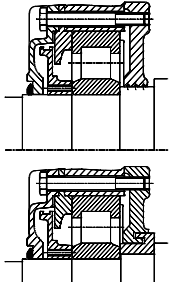
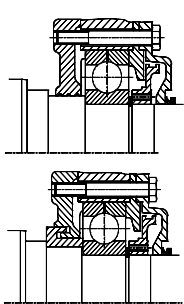
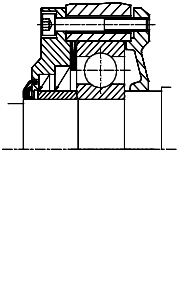
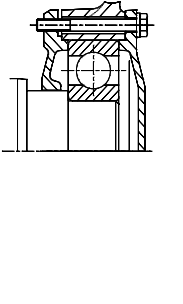
Type	D-end					N-end		Figure				Fixed bearing
	Anti-friction bearing					Anti-friction bearing	D-end N-end D-end N-end					
	Light-duty Bearings	Reinforced Bearings	γ-ring	Wave spring ¹⁾	Disc spring ¹⁾		V-ring	Light-duty Bearings	Light-duty Bearings	Reinforced Bearings	Reinforced Bearings	
(IE1)-K10R 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

			
Figure 1	Figure 2	Figure 3	Figure 4
			
Figure 5	Figure 6	Figure 7	Figure 8
			
Figure 9	Figure 10	Figure 11	Figure 12

			
Figure 13	Figure 14	Figure 15	Figure 16
			
Figure 17	Figure 18	Figure 19	Figure 20
			
Figure 21	Figure 22	Figure 23	

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.

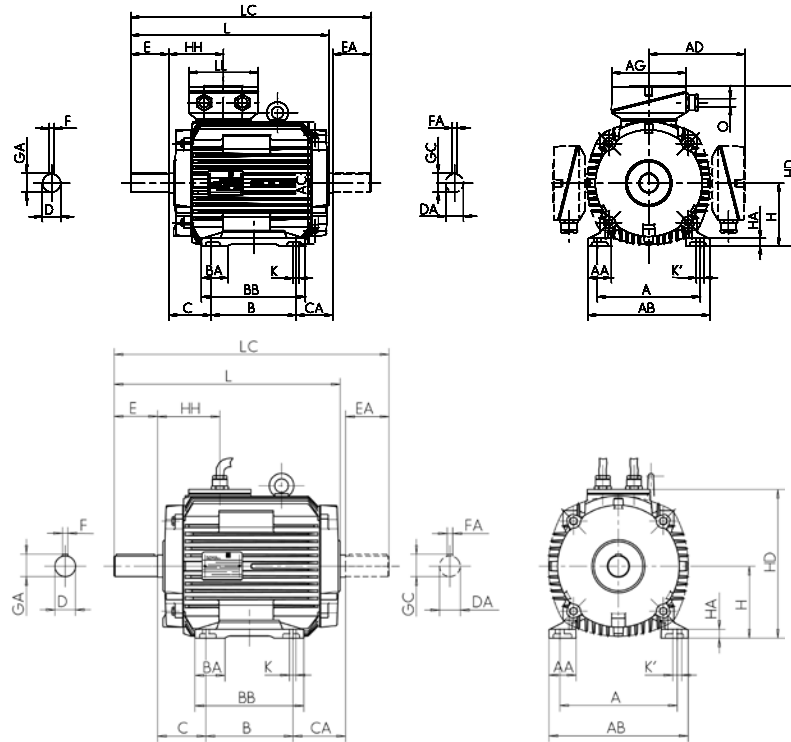
Flange assignments which deviate from the standard are specified in the flange assignment tables.

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

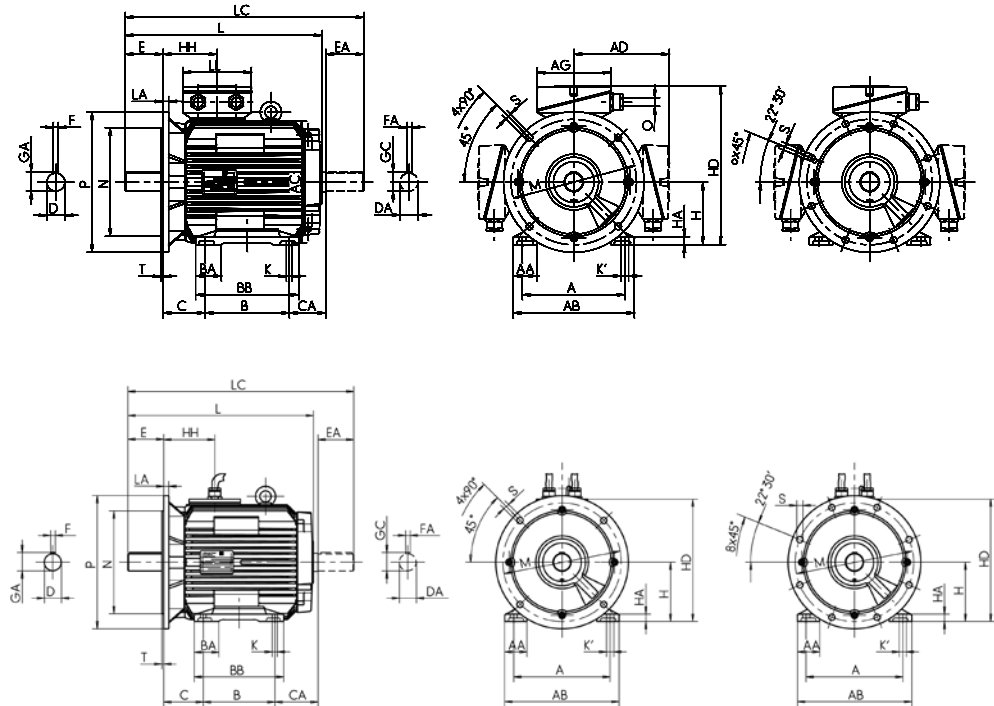
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3

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



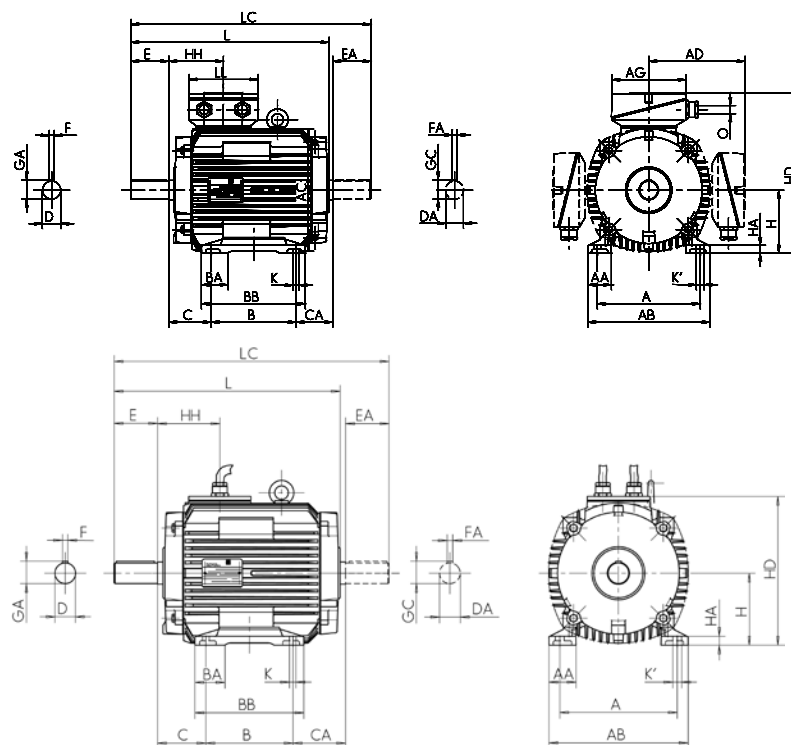
Type designation	GA	GC	H	HA	HD	HD TM	HD	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1		x	z	-	pattern	BI
IE3-W41R 132 SX2 FAN	41	35	132	15	331	279	276	114	12	12	424	506	25 A	156	145	M32 x 1.5	4L	35
IE3-W41R 132 S4 FAN	41	35	132	15	331	279	276	114	12	12	472	554	25 A	156	145	M32 x 1.5	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

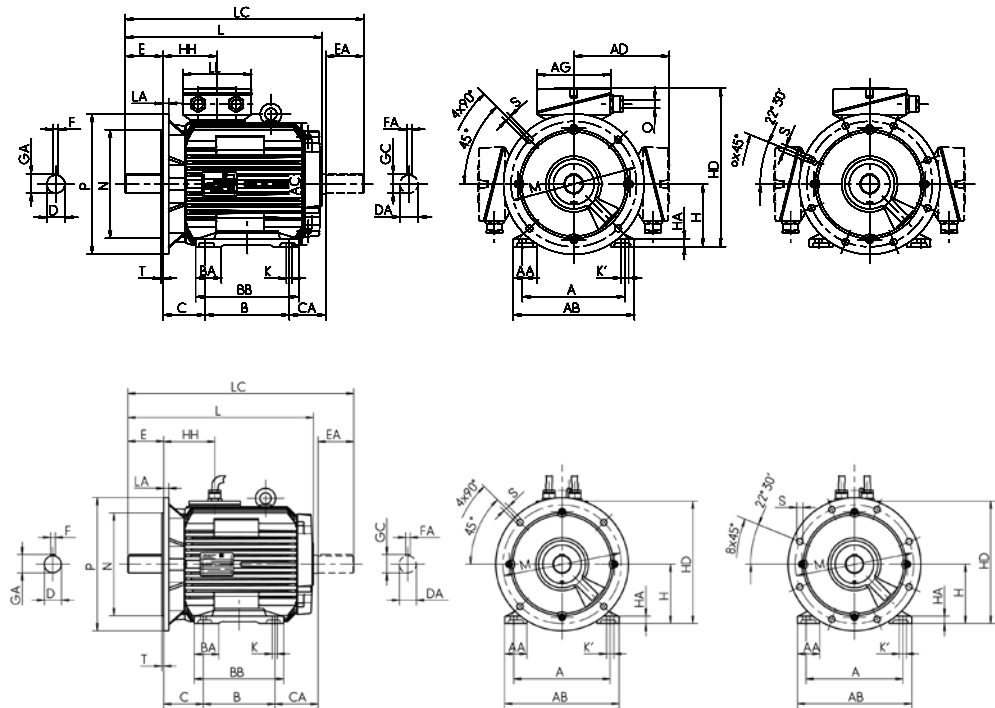
¹⁾ Centre holes to DIN 332-DS

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



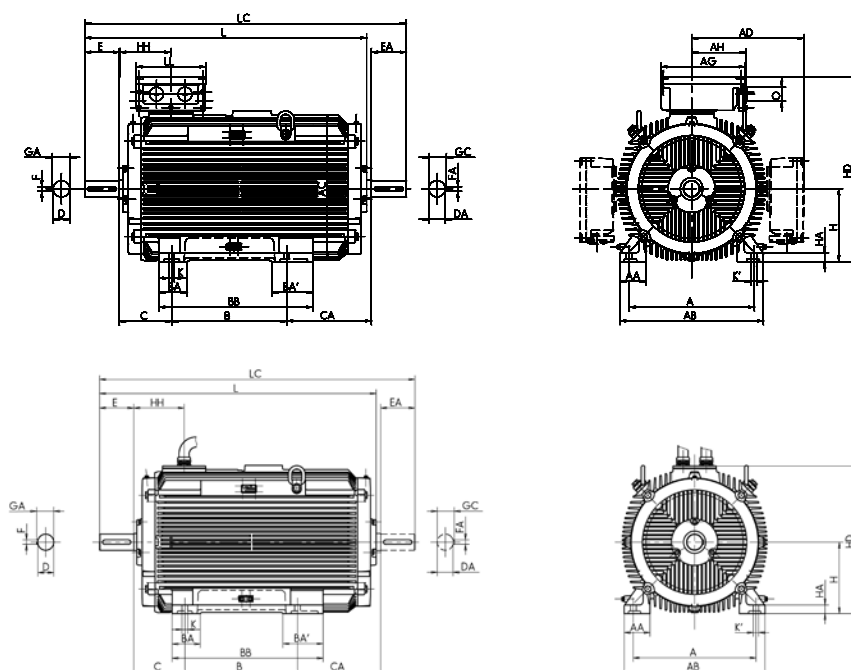
Type designation	GA	GC	H	HA	HD	HD ^{*)}	HD	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1		x	z	-	pattern	BI
IE3-W41R 225 M2 FAN	59	59	225	25	549	450	460	177	19	25	707	827	100 A	213	207	M50 x 1.5	8L	45
IE3-W41R 225 S4C FAN	64	59	225	25	527	442	436	168	19	25	778	885	100 A	213	207	M50 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'	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

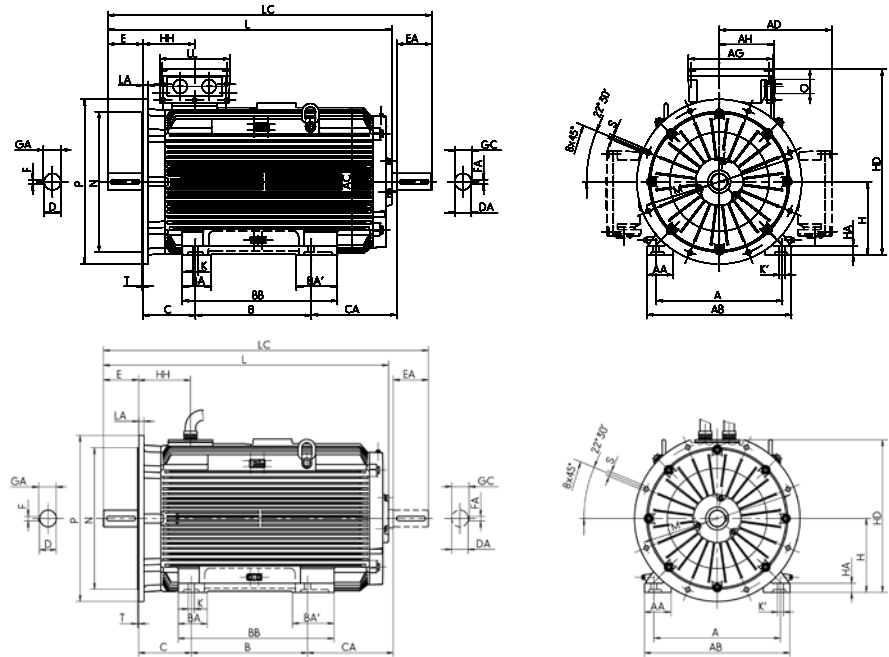
^a) Centre holes to DIN 332-DS

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



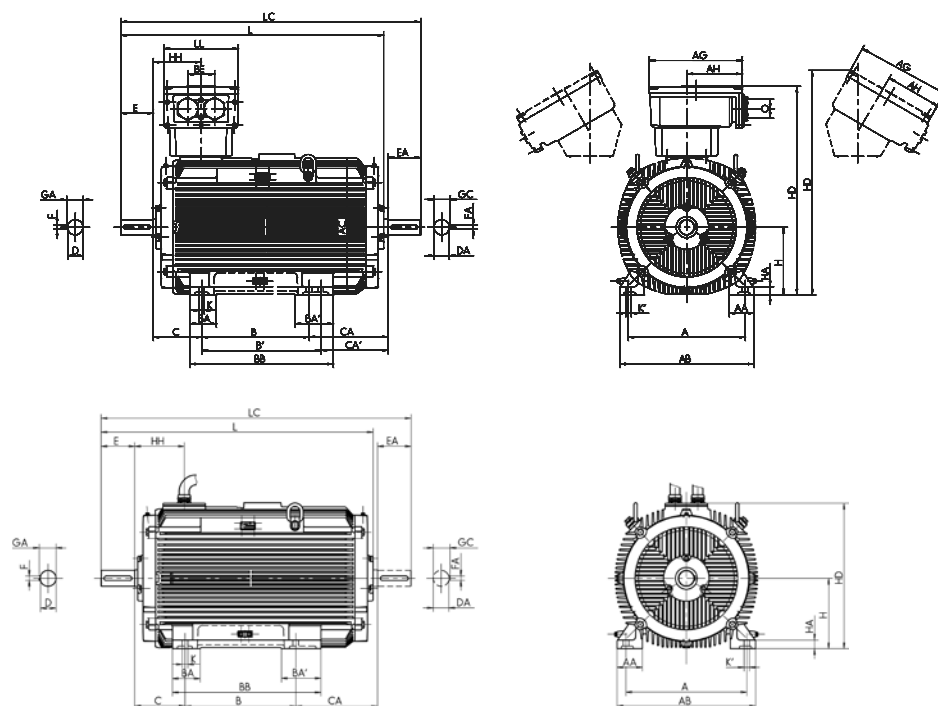
Type designation	GA	GC	H	HA	HD	HD** with TB	HD Cable	HH	K	K'	L	LC	TB Type	AG	LL	AH	O	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1		x	z	-	r	BI
IE3-W41R 315 S2 FAN	69	69	315	44	731	595	630	211	28	35	879	1026	200 A	282	242	-	M63 x 1.5	55
IE3-W41R 315 M2 FAN	69	69	315	44	731	595	630	211	28	35	934	1081	200 A	282	242	-	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

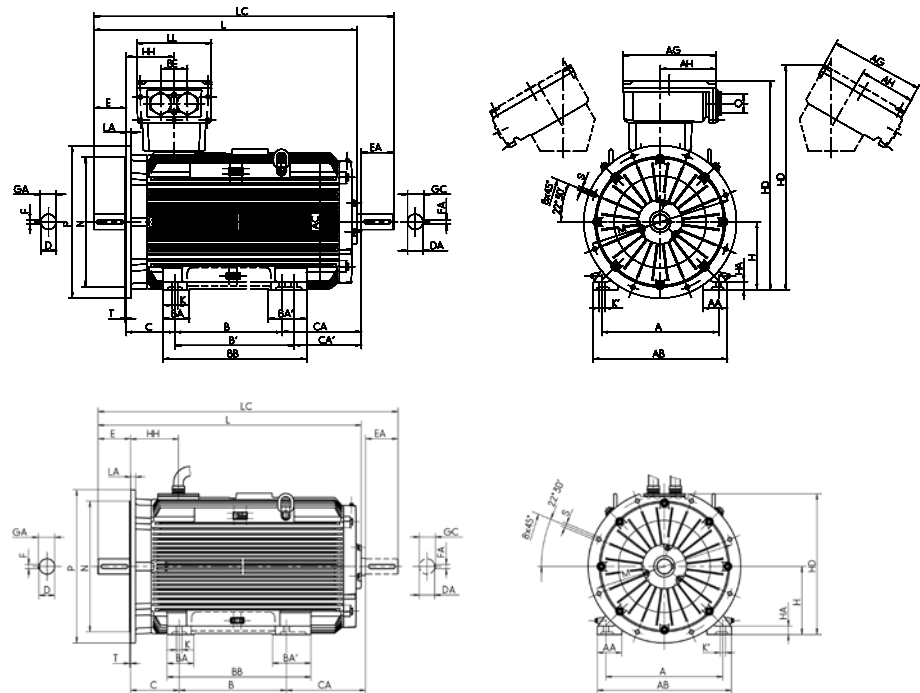
¹⁾ Centre holes to DIN 332-DS

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



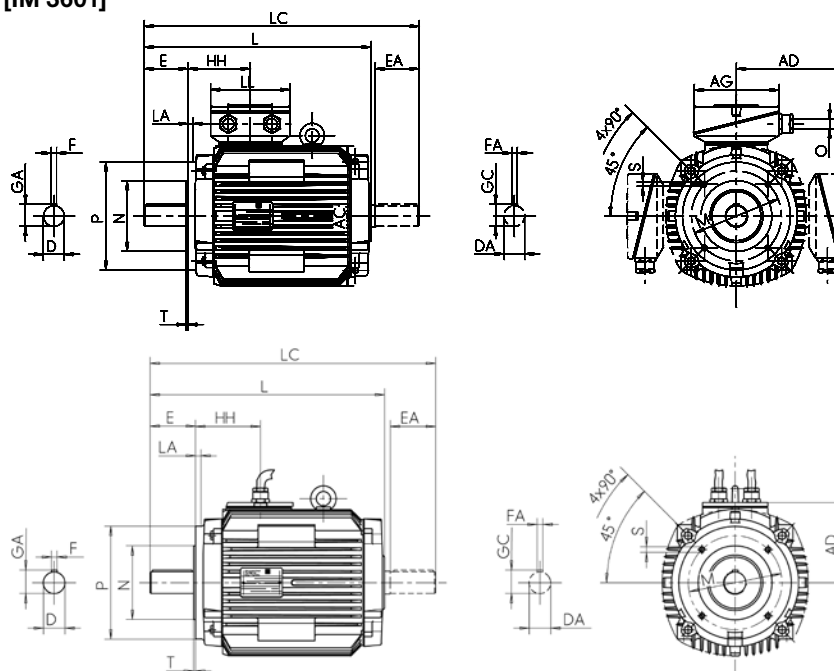
Type designation	GA	GC	H	HA	HD	HD ^{*)}	HD	HH	K	K'	L	LC	TB Type	AG	LL	AH	BE	O	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1		x	z	-	-	r	BI
IE3-W41R 355 MY2 FAN	85	85	355	44	1091	1172	839	250	28	35	1365	1558	630 A	496	390	301	140	M72 x 2	60
IE3-W41R 355 M2 FAN	85	85	355	44	1091	1172	839	250	28	35	1365	1558	630 A	496	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 ⁷⁾	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

⁷⁾ Centre holes to DIN 332-DS

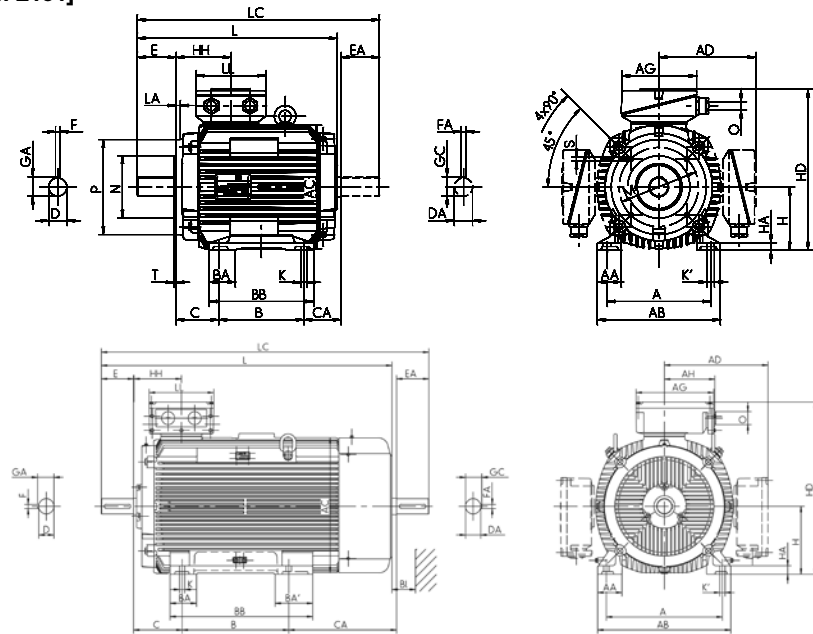
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3

Energy-saving 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** 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
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

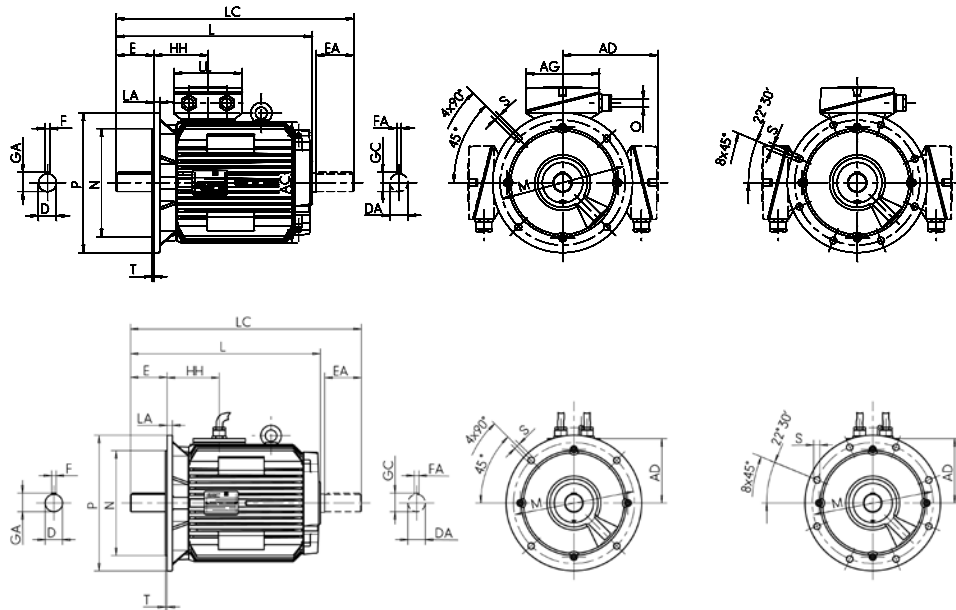
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

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
		with TB Cable							l	l1	u	u1	t	t1	h	A	k	k1	x	z	-	pattern	BI
		g	g1	g1	d	d1																	
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	55	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 ^{*)}	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 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

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

^{**)} Terminal box left/right

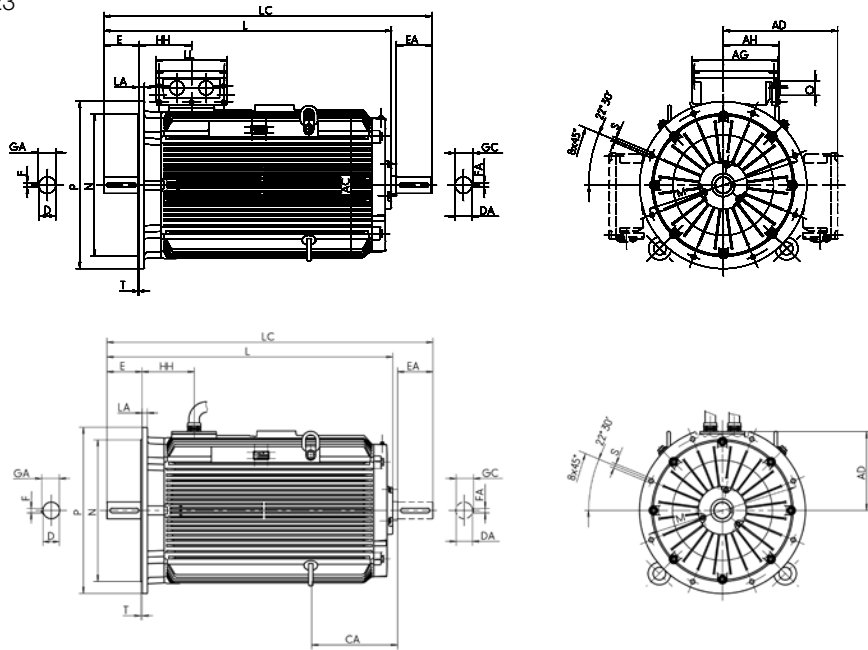
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

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

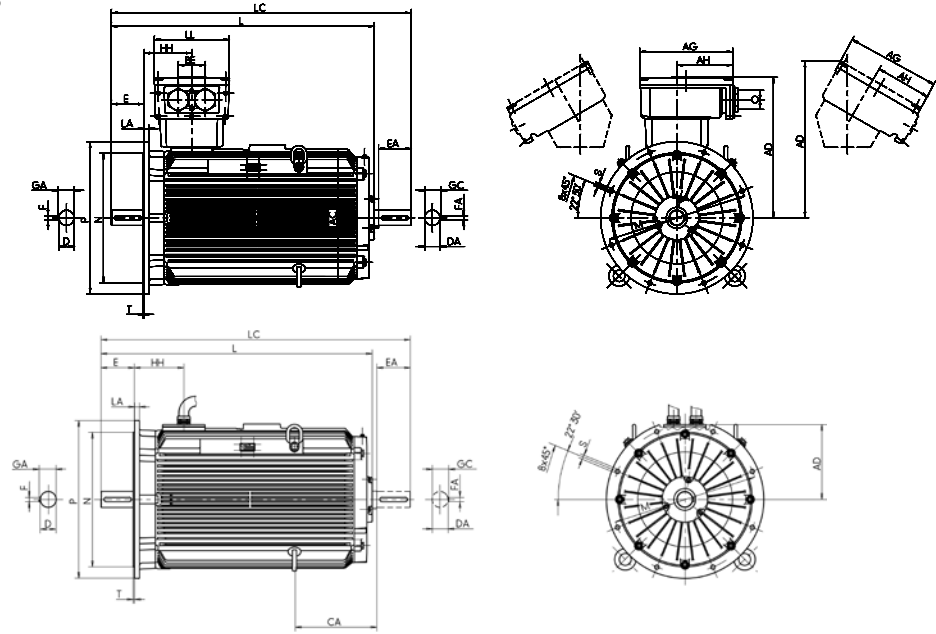
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, Premium Efficiency IE3

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 ¹⁾	AD	D	DA	DB ¹⁾	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

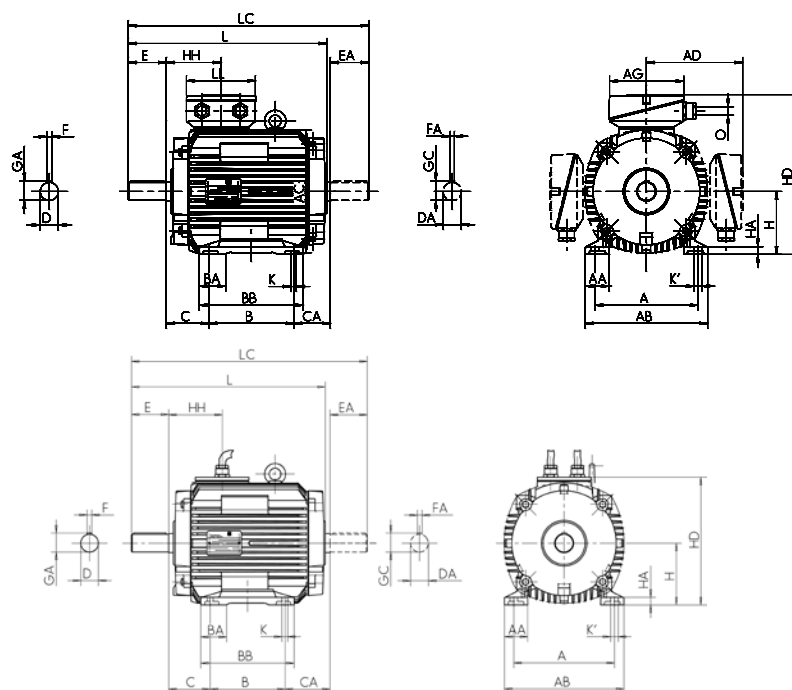
¹⁾ Centre holes to DIN 332-DS

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 motors, High Efficiency IE2

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

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-WE2R 132 S4 FAN	FF 265	216	50	256	217	178	140	53	180	89	167	38	32	M12	80	80	10	10
IE2-WE1R 132 SX2 FAN	FF 265	216	50	256	258	199	140	53	180	89	117	38	38	M12	80	80	10	10
IE2-WE1R 132 M4 FAN	FF 265	216	50	256	258	199	178	53	218	89	127	38	38	M12	80	80	10	10
IE2-WE1R 132 MX6 FAN	FF 265	216	50	256	258	199	178	53	218	89	127	38	38	M12	80	80	10	10
IE2-WE2R 132 M6, 8 FAN	FF 265	216	50	256	217	178	178	53	218	89	129	38	32	M12	80	80	10	10
IE2-WE1R 160 M2 FAN	FF 300	254	55	296	313	242	210	60	257	108	87	42	42	M16	110	110	12	12
IE2-WE1R 160 M4 FAN	FF 300	254	55	296	313	242	210	60	257	108	87	42	42	M16	110	110	12	12
IE2-WE2R 160 M4 FAN	FF 300	254	55	296	258	214	210	60	257	108	126	42	38	M16	110	80	12	10
IE2-WE1R 160 M8 FAN	FF 300	254	55	296	258	214	210	60	257	108	76	42	38	M16	110	80	12	10
IE2-WE1R 160 M6, MX8 FAN	FF 300	254	55	296	313	242	210	60	257	108	87	42	42	M16	110	110	12	12
IE2-WE2R 160 M6, MX8 FAN	FF 300	254	55	296	258	214	210	60	257	108	126	42	38	M16	110	80	12	10
IE2-WE1R 160 MX2 FAN	FF 300	254	55	296	313	242	210	56	257	108	125	42	42	M16	110	110	12	12
IE2-WE1R 160 L2 FAN	FF 300	254	55	296	313	242	254	60	301	108	81	42	42	M16	110	110	12	12
IE2-WE2R 160 L4 FAN	FF 300	254	55	296	313	242	254	60	301	108	131	42	42	M16	110	110	12	12
IE2-WE1R 160 L6, 8 FAN	FF 300	254	55	296	313	242	254	60	301	108	81	42	42	M16	110	110	12	12
IE2-WE1R 180 M2 FAN	FF 300	279	62	328	351	261	241	65	288	121	107	48	48	M16	110	110	14	14
IE2-WE1R 180 M4 FAN	FF 300	279	62	328	351	261	241	65	288	121	152	48	48	M16	110	110	14	14
IE2-WE2R 180 M4 FAN	FF 300	279	62	328	351	261	241	65	288	121	107	48	48	M16	110	110	14	14
IE2-WE1R 180 L4 FAN	FF 300	279	62	328	351	261	279	65	326	121	114	48	48	M16	110	110	14	14
IE2-WE1R 180 L6, 8 FAN	FF 300	279	62	328	351	261	279	65	326	121	114	48	48	M16	110	110	14	14
IE2-WE1R 200 L2 FAN	FF 350	318	70	372	351	261	305	70	360	133	76	55	48	M20	110	110	16	14
IE2-WE2R 200 LX2 FAN	FF 350	318	70	372	351	261	305	70	360	133	126	55	48	M20	110	110	16	14
IE2-WE1R 200 L4 FAN	FF 350	318	70	372	390	300	305	70	360	133	107	55	55	M20	110	110	16	16
IE2-WE1R 200 LX6 FAN	FF 350	318	70	372	390	300	305	70	360	133	107	55	55	M20	110	110	16	16
IE2-WE1R 200 L6, 8 FAN	FF 350	318	70	372	351	261	305	70	360	133	76	55	48	M20	110	110	16	14
IE2-WE1R 225 M2 FAN	FF 400	356	75	413	390	300	311	75	368	149	125	55	55	M20	110	110	16	16
IE2-WE1R 225 S4 FAN	FF 400	356	75	413	390	300	286	75	343	149	150	60	55	M20	140	110	18	16
IE2-WE1R 225 M4 FAN	FF 400	356	75	413	440	324	311	75	368	149	147	60	55	M20	140	110	18	16
IE2-WE2R 225 M4 FAN	FF 400	356	75	413	390	300	311	75	343	149	175	60	55	M20	140	110	18	16
IE2-WE1R 225 S8 FAN	FF 400	356	75	413	390	300	286	75	368	149	110	60	55	M20	140	110	18	16
IE2-WE1R 225 M6, M8 FAN	FF 400	356	75	413	440	324	311	75	368	149	147	60	55	M20	140	110	18	16
IE2-WE2R 225 M6, 8 FAN	FF 400	356	75	413	390	300	311	75	368	149	125	60	55	M20	140	110	18	16

^a) Centre holes to DIN 332-DS

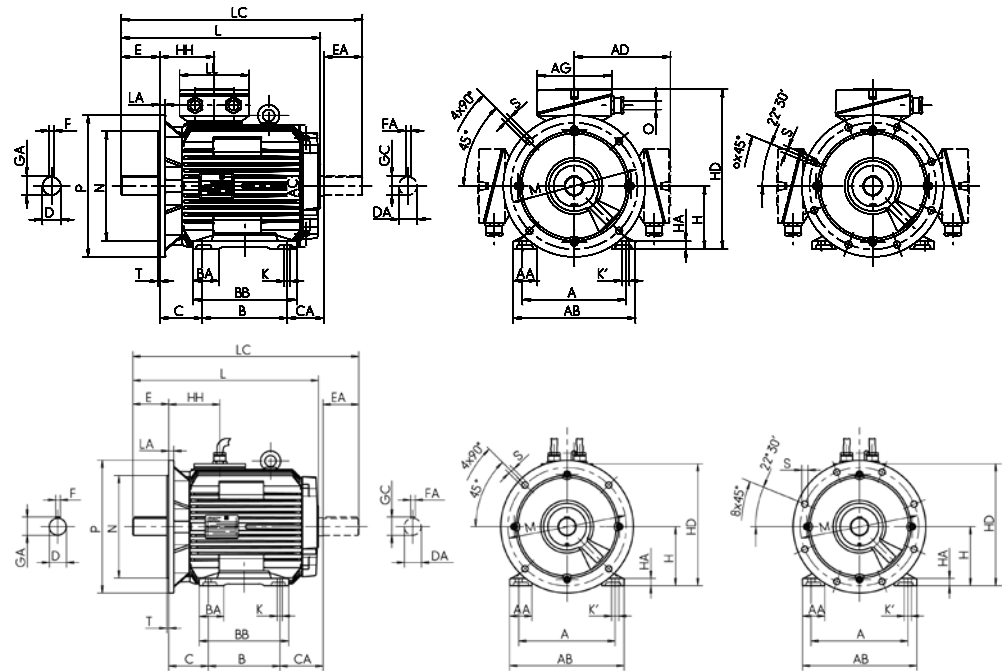
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3

Energy-saving motors, High Efficiency IE2

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

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



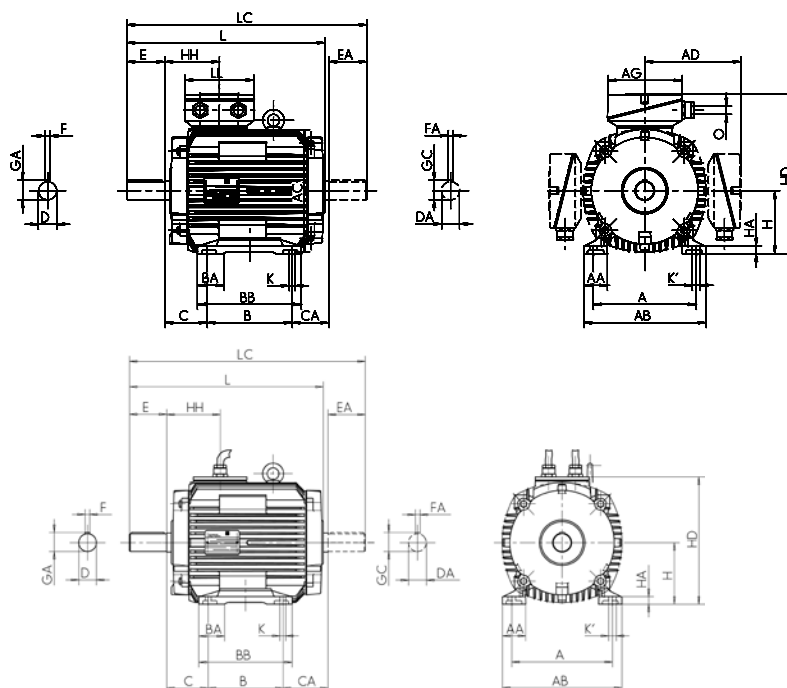
Type designation	GA	GC	H	HA	HD	HD** with TB	HD Cable	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1	Standard	x	z	-	pattern	BI
IE2-WE2R 132 S4 FAN	41	35	132	16	310	256.5	255	108	12	12	474	556	25 A	156	145	M32 x 1.5	4L	35
IE2-WE1R 132 SX2 FAN	41	41	132	15	331	279	276	114	12	12	424	506	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

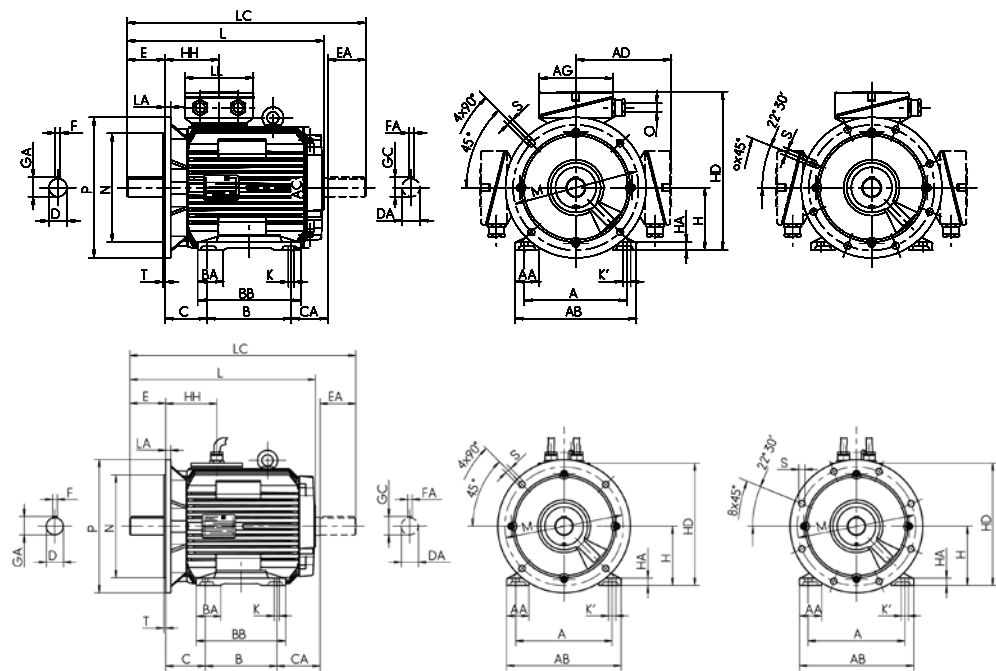
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3

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



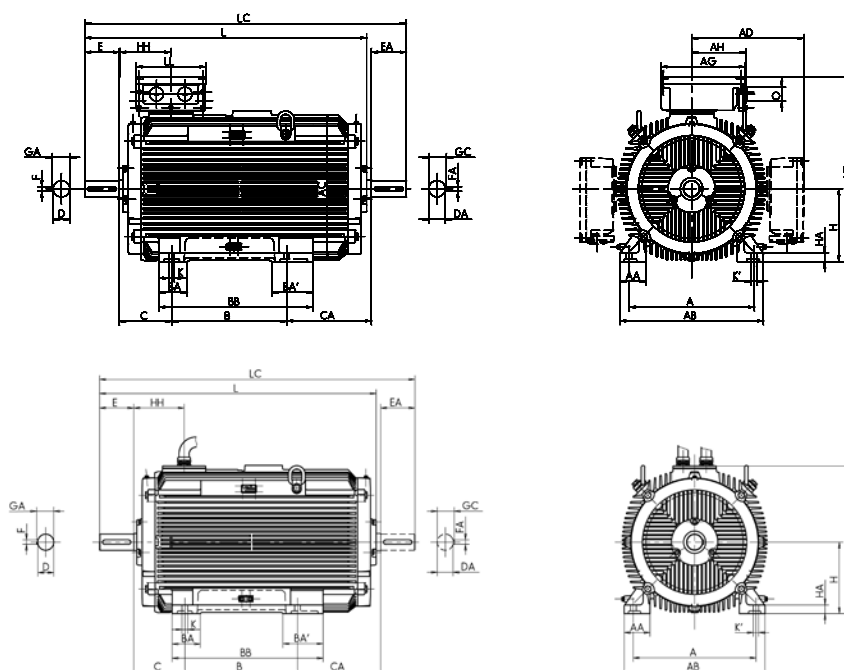
Type designation	GA	GC	H	HA	HD	HD**)	HD	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1	Standard	x	z	-	pattern	BI
IE2-WE1R 250 M2 FAN	64	59	250	28	608	484	485	177	24	30	737	857	200 A	282	242	M63 x 1.5	8L	45
IE2-WE1R 250 M4 FAN	69	59	250	28	636	493	535	206	24	30	801	921	200 A	282	242	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]



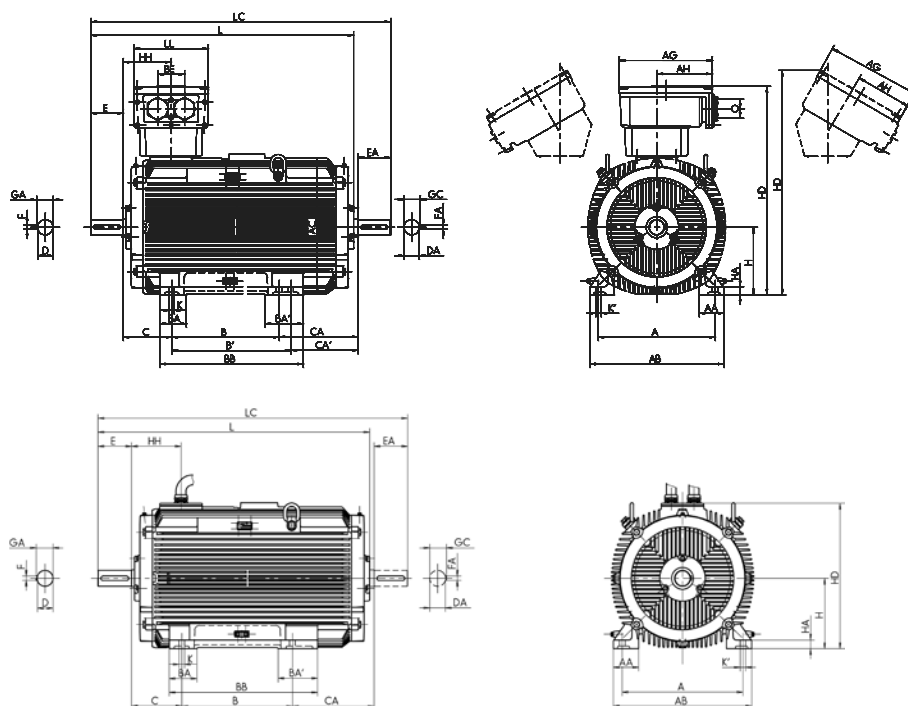
Type designation	Flange size	A	AA	AB	AC	AD	B	BA	BA'	BB	C	CA	D	DA	DB ¹⁾	E	EA	F	FA
		b	n	f	g	g1	a	m	m1	e	w1	w2	d	d1		l	l1	u	u1
IE2-WE1R 315 S2 FAN	FF 600	508	126	590	550	416	406	120	-	503	216	124	65	65	M20	140	140	18	18
IE2-WE1R 315 M2 FAN	FF 600	508	126	590	550	416	457	120	150	554	216	128	65	65	M20	140	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 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
IE2-WE2R 355 M2 FAN	FF 740	610	130	700	715	560	140	200	750	254	404	80	80	M20	170	170	22	22
IE2-WE2R 355 M4 FAN	FF 740	610	130	700	715	560	140	200	750	254	404	100	80	M24	210	170	28	22
IE2-WE2R 355 M6, 8 FAN	FF 740	610	130	700	715	560	140	200	750	254	404	100	80	M24	210	170	28	22
IE2-WE2R 355 MX6, 8 FAN	FF 740	610	130	700	715	560	140	200	750	254	524	100	80	M24	210	170	28	22
IE2-WE2R 355 MX2 FAN	FF 740	610	130	700	715	560	140	200	750	254	524	80	80	M20	170	170	22	22
IE2-WE2R 355 LY2, L2 FAN	FF 740	610	130	700	715	630	140	200	750	254	454	80	80	M20	170	170	22	22
IE2-WE2R 355 MX4 FAN	FF 740	610	130	700	715	560	140	200	750	254	524	100	80	M24	210	170	28	22
IE2-WE2R 355 LY4, L4 FAN	FF 740	610	130	700	715	630	140	200	750	254	454	100	80	M24	210	170	28	22
IE2-WE2R 355 LY6, 8 FAN	FF 740	610	130	700	715	630	140	200	750	254	454	100	80	M24	210	170	28	22

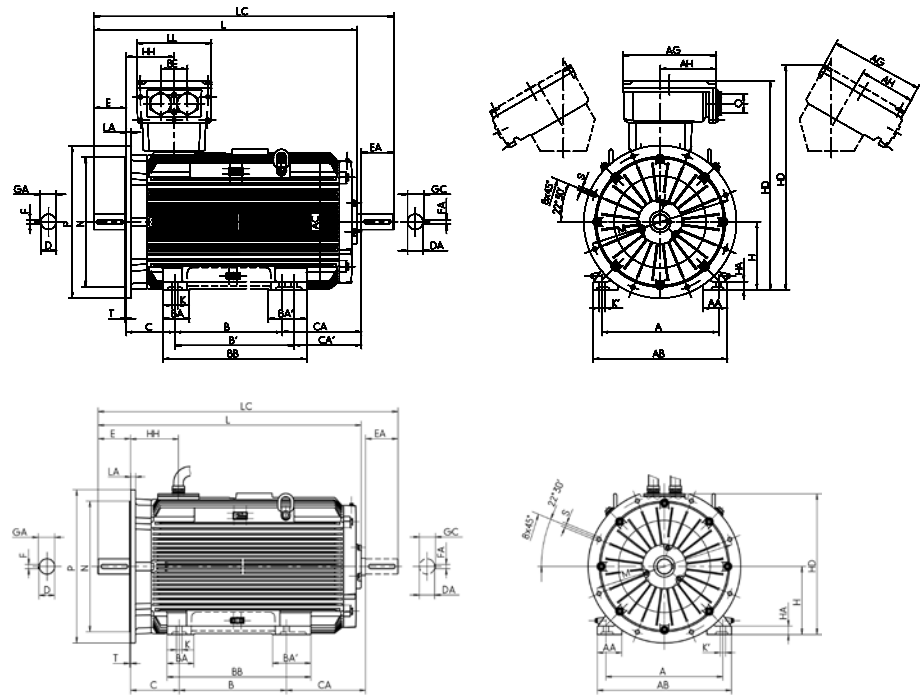
7 Centre holes to DIN 332-DS

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



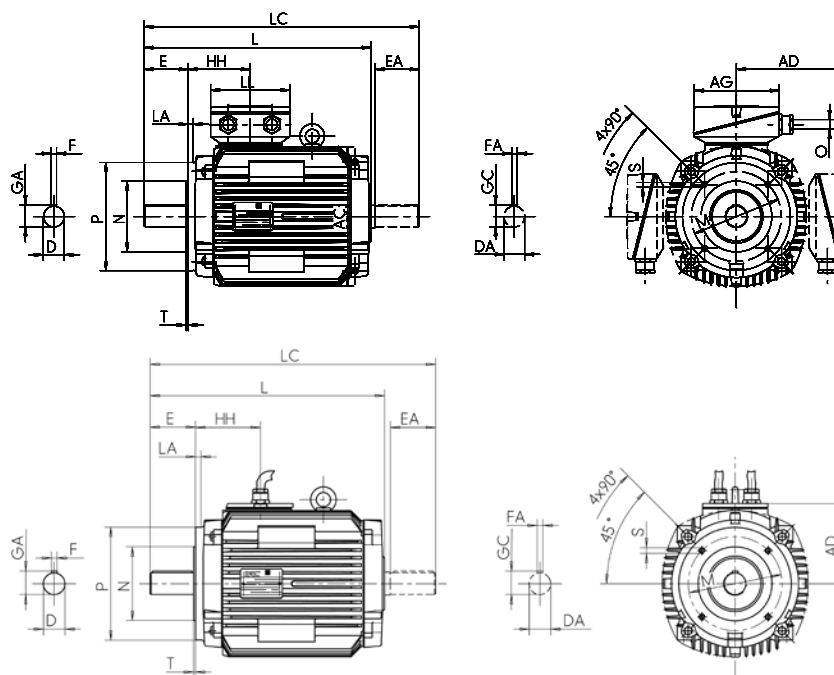
Type designation	GA	GC	H	HA	HD	HD ^{*)}	HD	HH	K	K'	L	LC	TB Type	AG	LL	AH	BE	O	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1		x	z	-	-	r	BI
IE2-WE2R 355 M2 FAN	85	85	355	44	1091	1172	839	250	28	35	1365	1558	630 A	496	390	301	140	M72x2	60
IE2-WE2R 355 M4 FAN	106	85	355	44	1091	1172	839	250	28	35	1405	1598	630 A	496	390	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

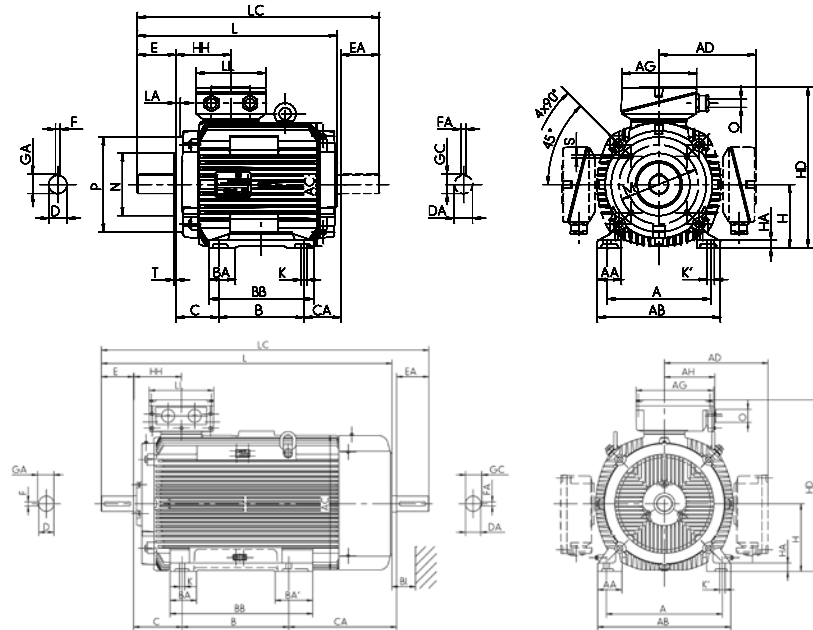
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3

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

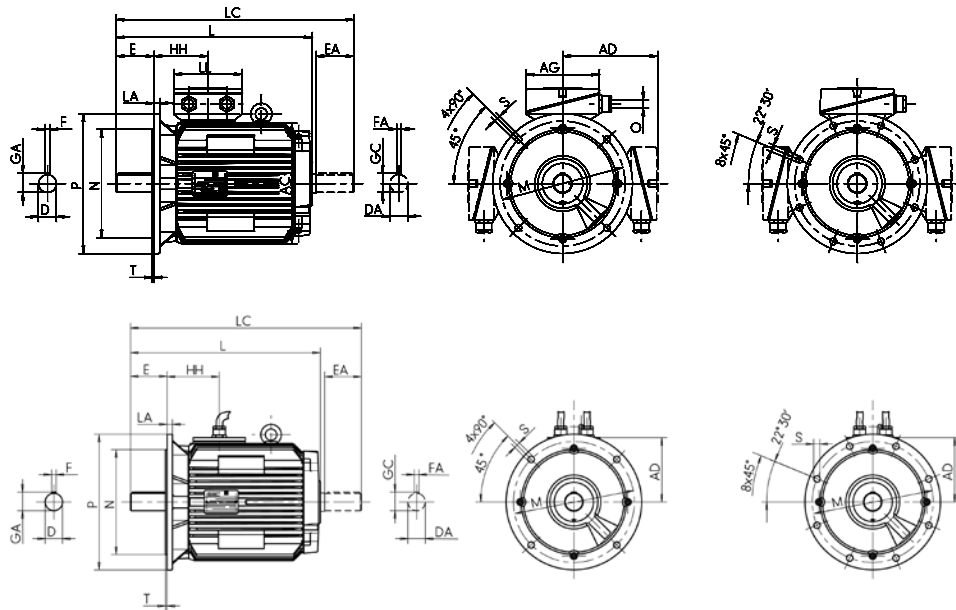
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

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	580	689	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 with TB g1	AD Cable 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

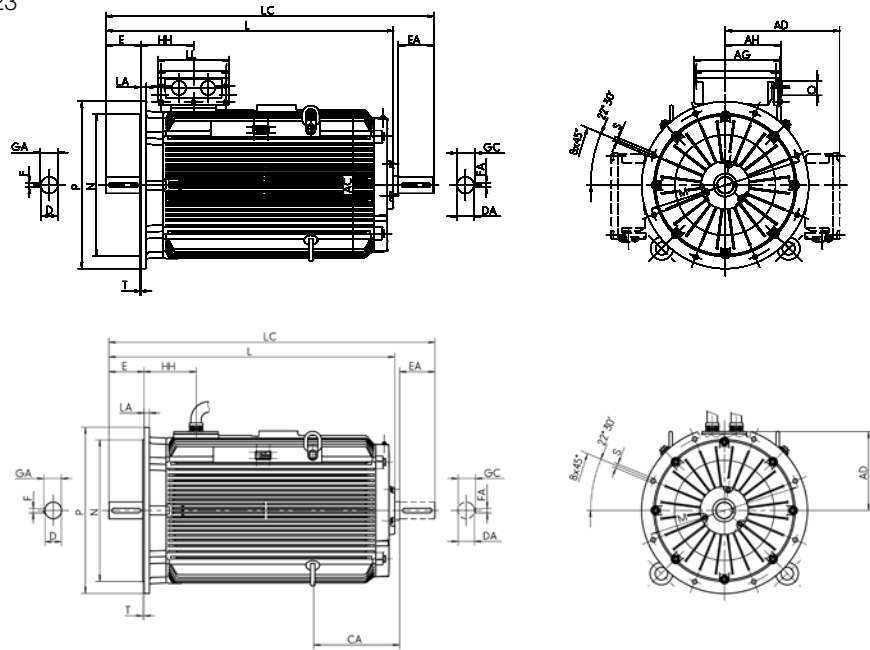
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

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 g	AD g1	AD g	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	AH -	O r	BI
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

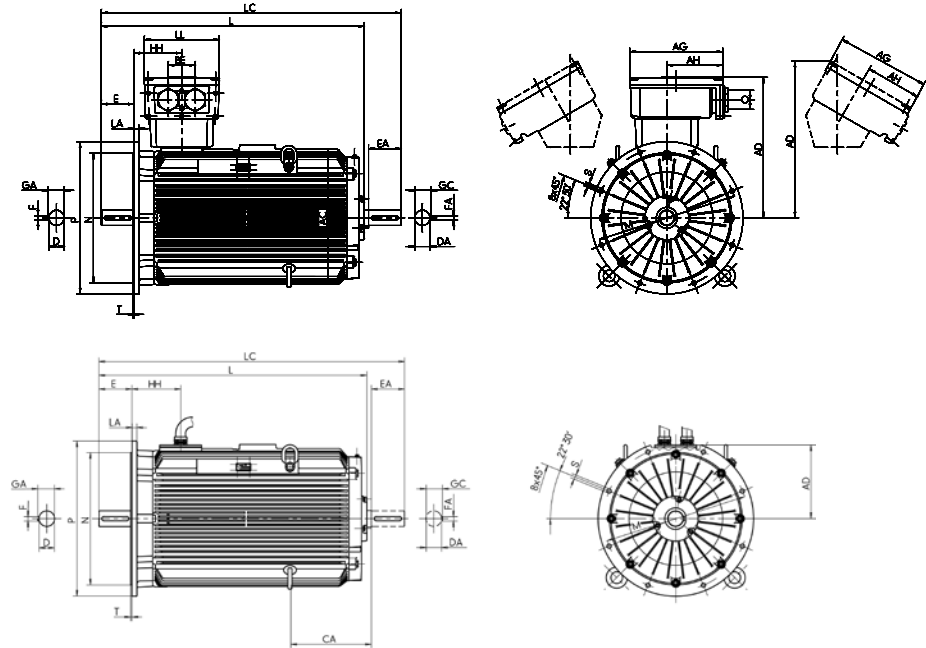
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motors, High Efficiency IE2

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	BI
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

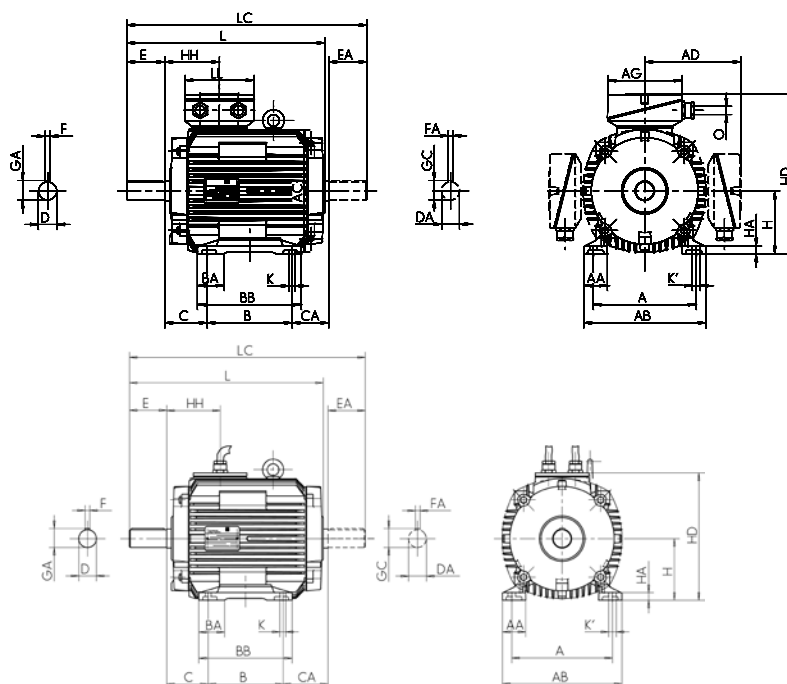
^{*)} Centre holes to DIN 332-DS

^{**)} 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

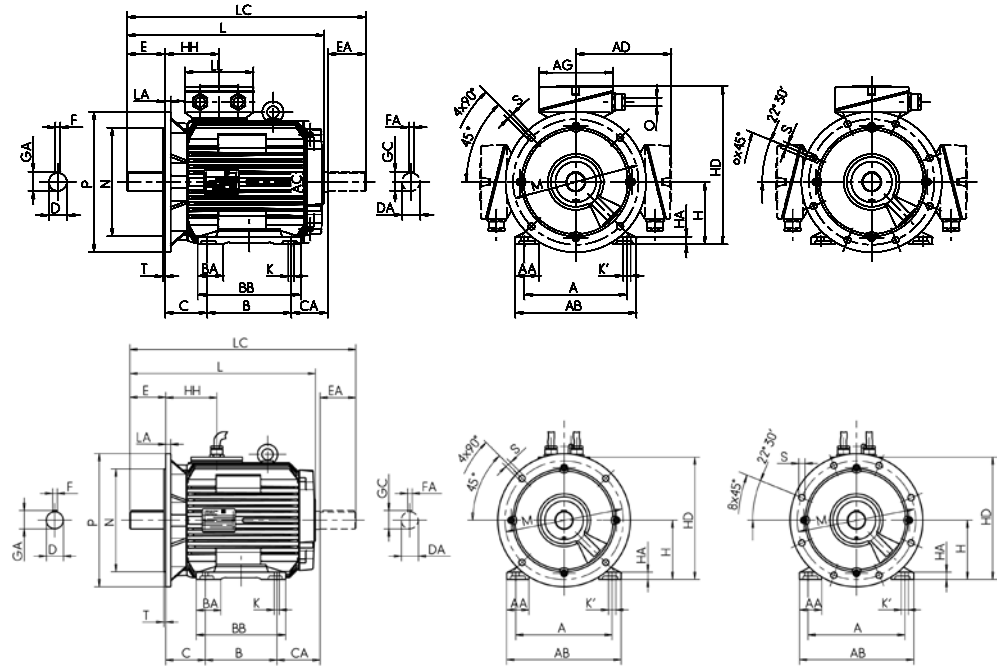
¹⁾ Centre holes to DIN 332-DS

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



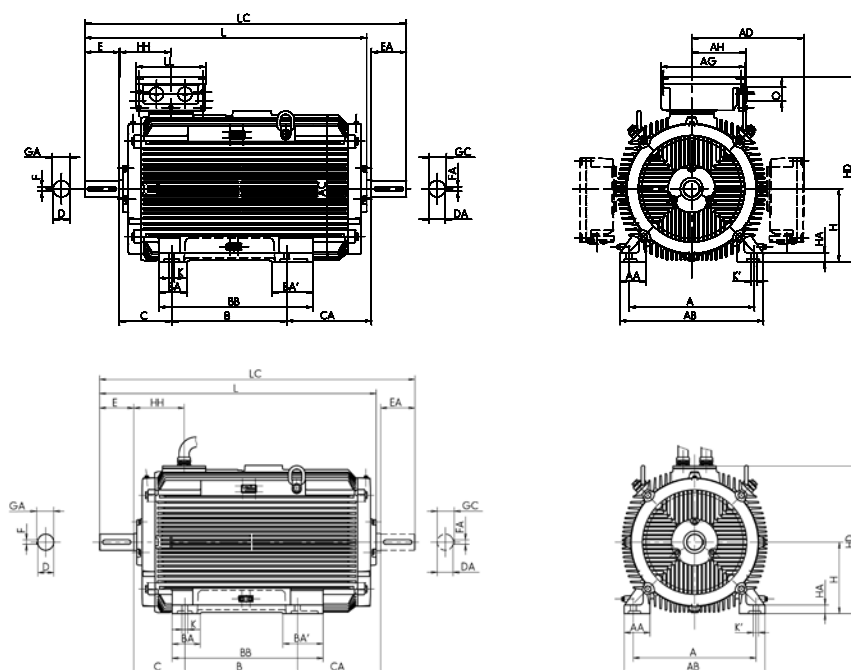
Type designation	GA	GC	H	HA	HD	HD'')	HD	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole
	t	t1	h	c	p	p	p	A	s	s'	k	k1				-	pattern
IE1-K11R 132 M4 FAN	41	41	132	16	331	279	276	114	12	12	420	506	25 A	156	145	M32 x 1.5	4L
IE1-K11R 132 MX6 FAN	41	41	132	16	331	279	276	114	12	12	420	506	25 A	156	145	M32 x 1.5	4L
IE1-K11R 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 ¹⁾	E	EA	F	FA
		with TB Cable																		
		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

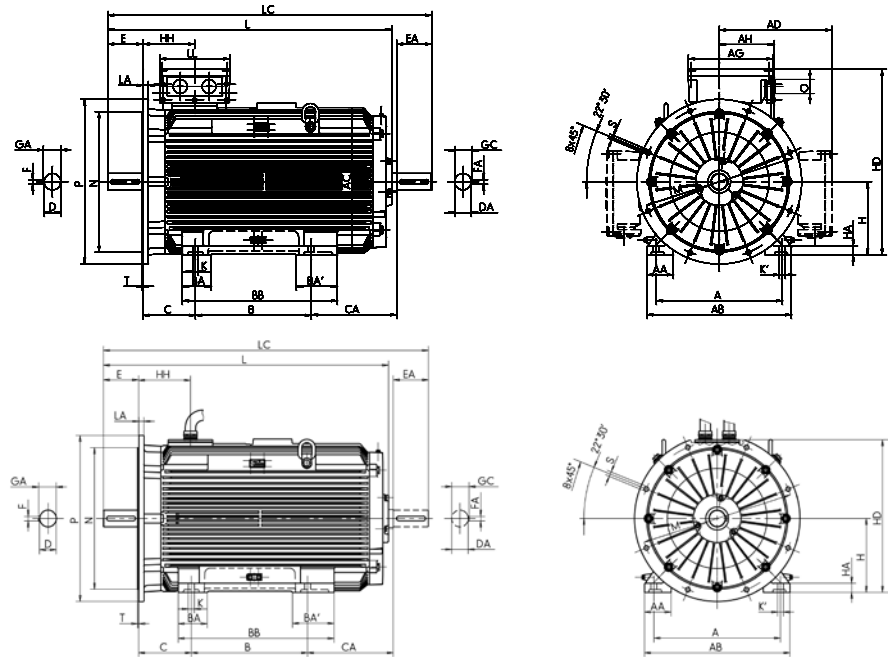
^a) Centre holes to DIN 332-DS

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



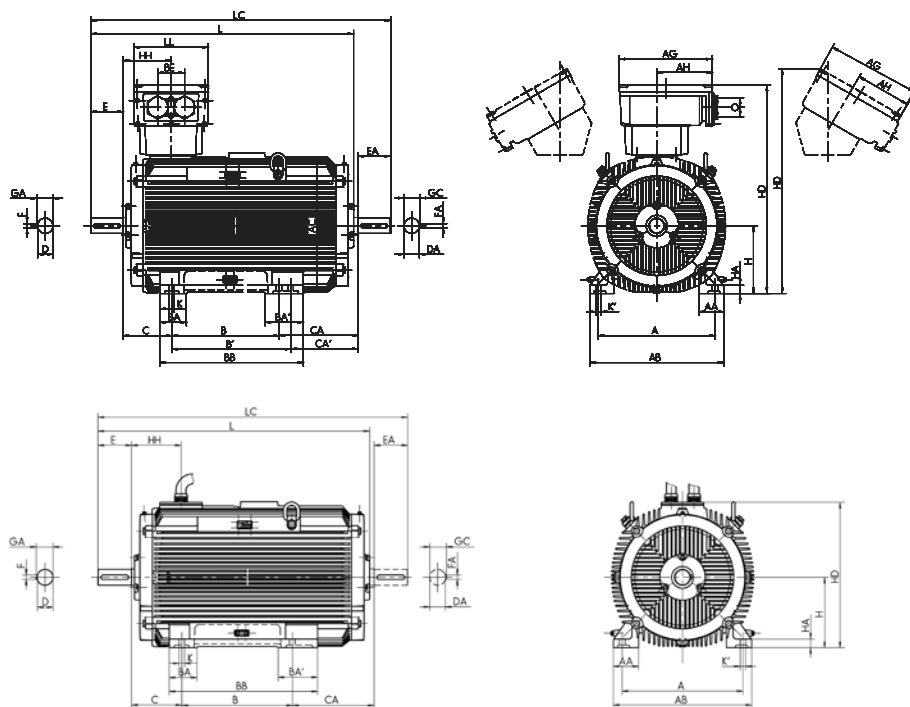
Type designation	GA	GC	H	HA	HD	HD** with TB	HD Cable	HH	K	K'	L	LC	TB Type	AG	LL	AH	O
	t	t1	h	c	p	p	p	A	s	s'	k	k1					-
IE1-K11R 315 S2 FAN	69	69	315	44	731	595	630	211	28	35	879	1026	200 A	282	242	-	M63 x 1.5
IE1-K11R 315 S4, 6, 8 FAN	85	74.5	315	44	731	595	630	211	28	35	909	1056	200 A	282	242	-	M63 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 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 FAN	FF 740	610	130	700	715	560	140	200	750	254	404	80	80	M20	170	170	22	22
IE1-K22R 355 MY4, 6, 8 FAN	FF 740	610	130	700	715	560	140	200	750	254	404	100	80	M24	210	170	28	22
IE1-K22R 355 M4 FAN	FF 740	610	130	700	715	560	140	200	750	254	404	100	80	M24	210	170	28	22
IE1-K22R 355 M6, 8 FAN	FF 740	610	130	700	715	560	140	200	750	254	404	100	80	M24	210	170	28	22
IE1-K22R 355 MX6, 8 FAN	FF 740	610	130	700	715	560	140	200	750	254	524	100	80	M24	210	170	28	22
IE1-K22R 355 MX2 FAN	FF 740	610	130	700	715	560	140	200	750	254	524	80	80	M20	170	170	22	22
IE1-K22R 355 LY2, L2 FAN	FF 740	610	130	700	715	630	140	200	750	254	454	80	80	M20	170	170	22	22
IE1-K22R 355 MX4 FAN	FF 740	610	130	700	715	560	140	200	750	254	524	100	80	M24	210	170	28	22
IE1-K22R 355 LY4, 6, 8, L4 FAN	FF 740	610	130	700	715	630	140	200	750	254	454	100	80	M24	210	170	28	22

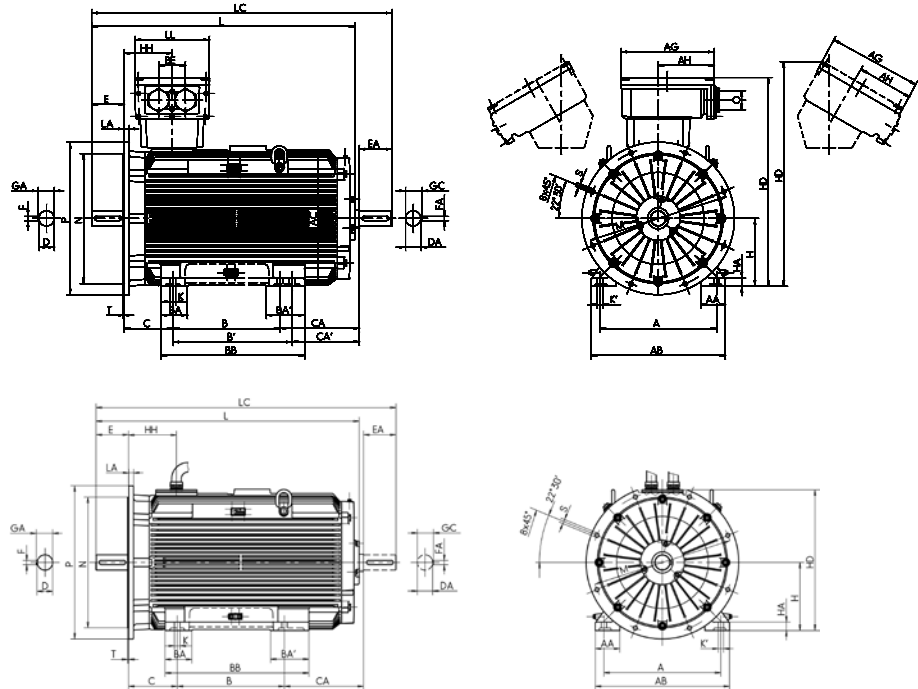
^a) Centre holes to DIN 332-DS

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 B35 [IM 1001]

Flange dimensions, see page 8/23



Type designation	GA	GC	H	HA	HD	HD'' ^{*)} with TB	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

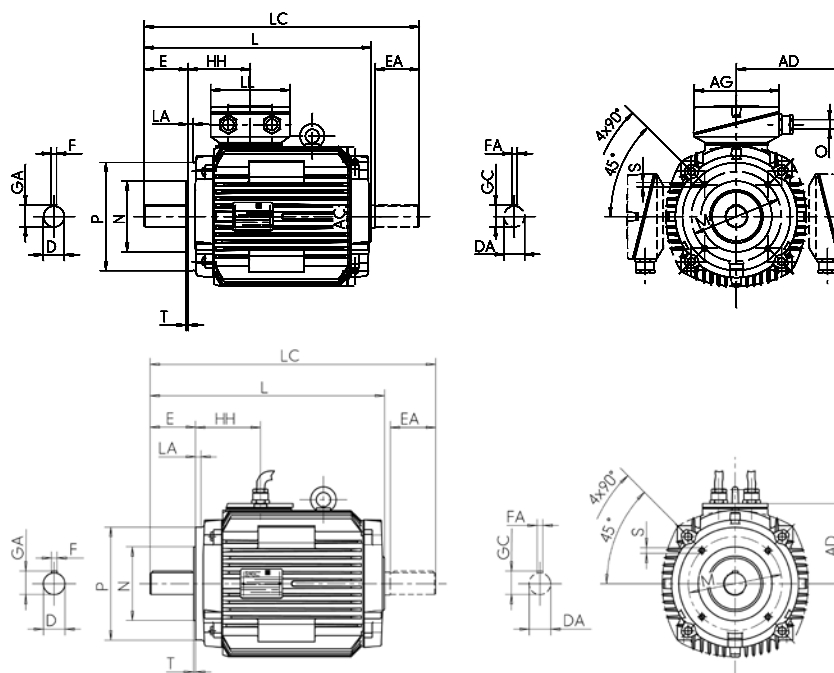
^{*)} Terminal box inclined left/right

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

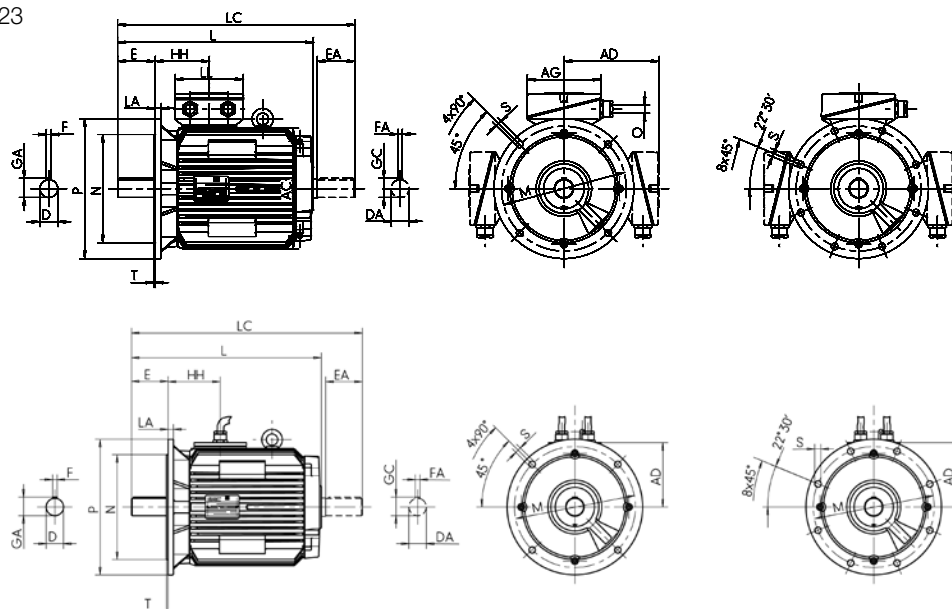
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 418, degree of protection IP 55
Size 132 to 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
		g	g1	g1	d	d1		l	l1	u	u1	t	t1	h	A	k	k1					pattern
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

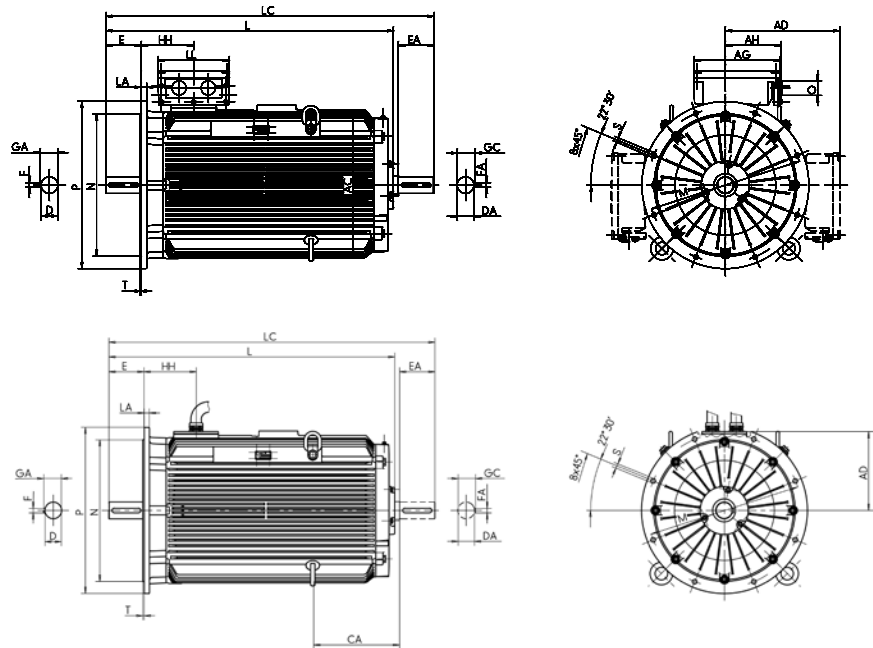
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

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

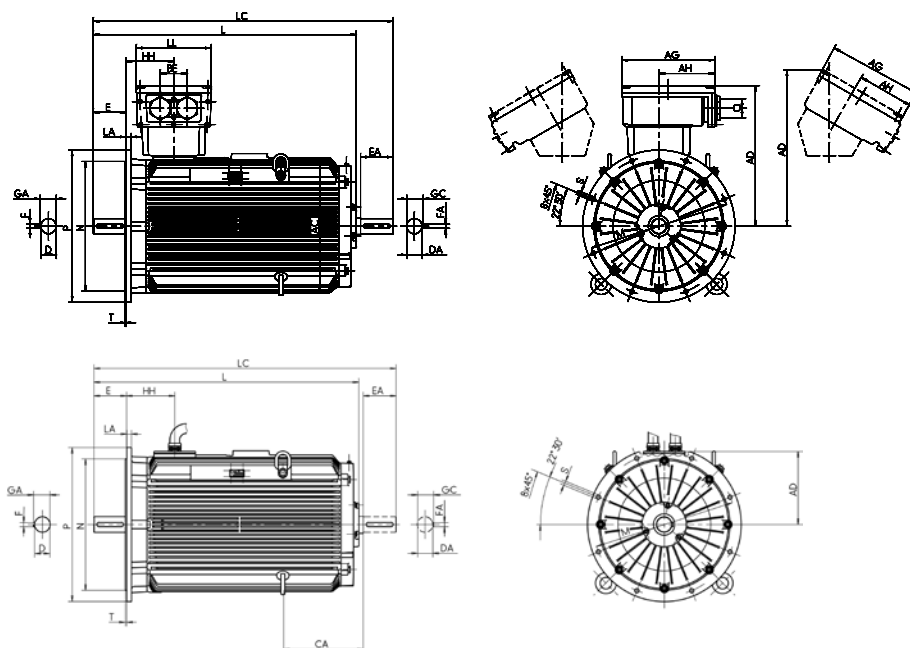
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

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 ^(*)	AD	D	DA	DB ^(*)	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

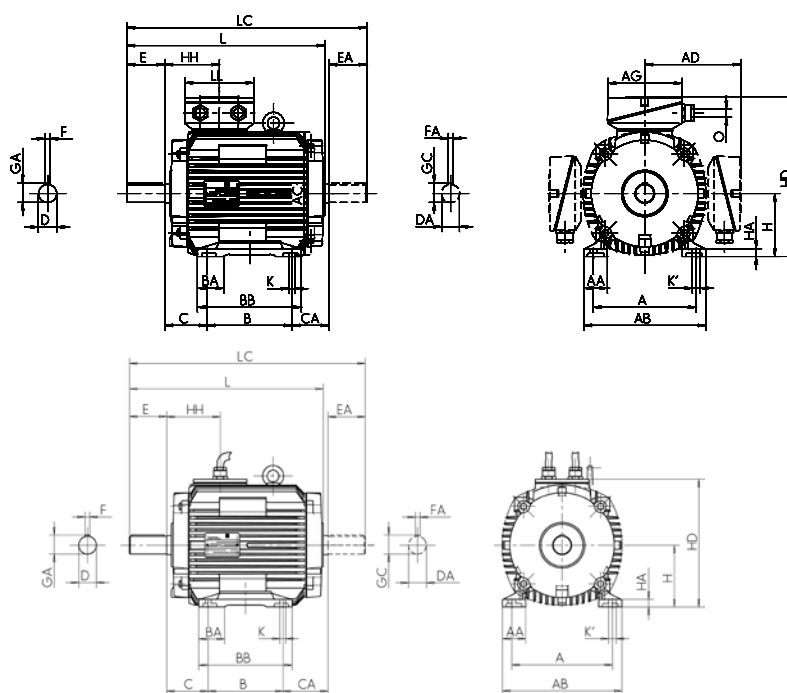
^a) Centre holes to DIN 332-DS

**) 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 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-K10R 132 S FAN	FF 300	216	50	256	258	199	140	140	52.5	180	89	117	38	38	M12	80	80	10	10
IE1-K10R 132 M FAN	FF 300	216	50	256	258	199	140	178	52.5	218	89	127	38	38	M12	80	80	10	10
IE1-K10R 160 S2 FAN	FF 300	254	55	296	313	242	169	178	56	225	108	119	42	42	M16	110	110	12	12
IE1-K10R 160 S4, 6, 8 FAN	FF 300	254	55	296	313	242	169	178	56	225	108	119	48	42	M16	110	110	14	12
IE1-K10R 160 M2 FAN	FF 300	254	55	296	313	242	169	210	56	257	108	125	42	42	M16	110	110	12	12
IE1-K10R 160 M4, 6, 8 FAN	FF 300	254	55	296	313	242	169	210	56	257	108	125	48	42	M16	110	110	14	12
IE1-K10R 180 S2 FAN	FF 350	279	62	328	351	261	187	203	65	250	121	145	48	48	M16	110	110	14	14
IE1-K10R 180 S4, 6, 8 FAN	FF 350	279	62	328	351	261	187	203	65	250	121	145	55	48	M20	110	110	16	14
IE1-K10R 180 M2 FAN	FF 350	279	62	328	351	261	187	241	65	288	121	152	48	48	M16	110	110	14	14
IE1-K10R 180 M4, 6, 8 FAN	FF 350	279	62	328	351	261	187	241	65	288	121	152	55	48	M20	110	110	16	14
IE1-K10R 200 M2 FAN	FF 400	318	70	372	390	300	209	267	70	322	133	177	55	55	M20	110	110	16	16
IE1-K10R 200 S2 FAN	FF 400	318	70	372	390	300	209	267	70	322	133	177	60	55	M20	140	110	18	16
IE1-K10R 200 L2 FAN	FF 400	318	70	372	390	300	209	305	70	360	133	179	55	55	M20	110	110	16	16
IE1-K10R 200 L4, 6, 8 FAN	FF 400	318	70	372	390	300	209	305	70	360	133	179	60	55	M20	140	110	18	16
IE1-K10R 225 M2 FAN	FF 500	356	75	413	440	324	233	311	75	368	149	147	55	55	M20	110	110	16	16
IE1-K10R 225 M4, 6, 8 FAN	FF 500	356	75	413	440	324	233	311	75	368	149	147	65	55	M20	140	110	18	16
IE1-K10R 250 S2 FAN	FF 500	406	84	469	490	386	263	311	84	374	168	192	65	65	M20	140	140	18	18
IE1-K10R 250 S4, 6, 8 FAN	FF 500	406	84	469	490	386	263	311	84	374	168	192	75	65	M20	140	140	20	18
IE1-K10R 250 M2 FAN	FF 500	406	84	469	490	386	263	349	84	412	168	154	65	65	M20	140	140	18	18
IE1-K10R 250 M4 FAN	FF 500	406	84	469	490	386	263	349	84	412	168	200	75	65	M20	140	140	20	18
IE1-K10R 250 M6, 8 FAN	FF 500	406	84	469	490	386	263	349	84	412	168	154	65	65	M20	140	140	18	18

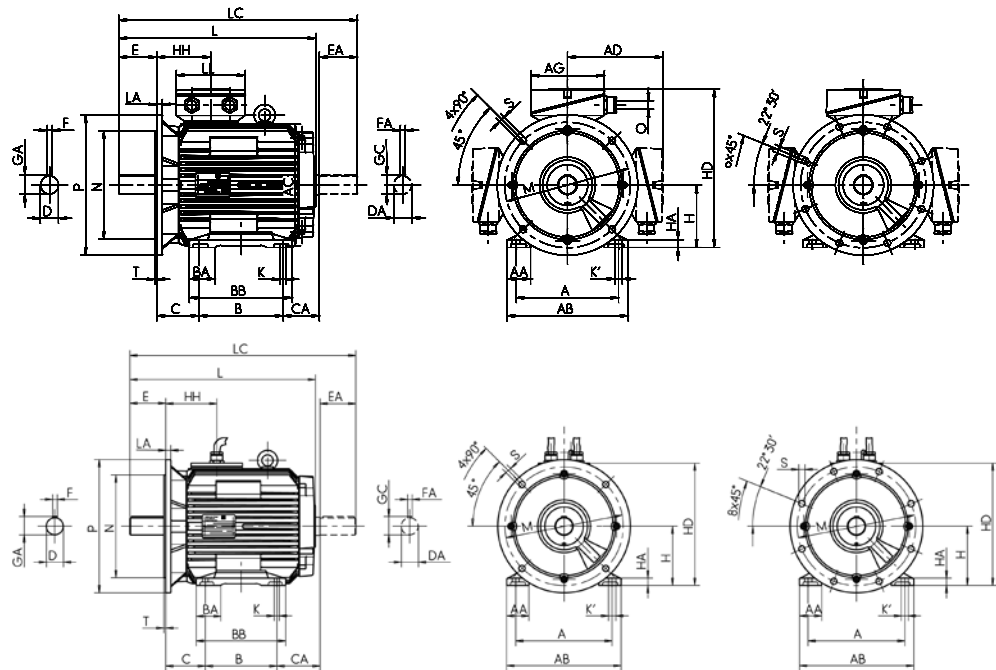
¹⁾ Centre holes to DIN 332-DS

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 250
Size 132 to 160 with crowned flange

Type of construction IM B35 [IM 2001]

Flange dimensions, see page 8/23



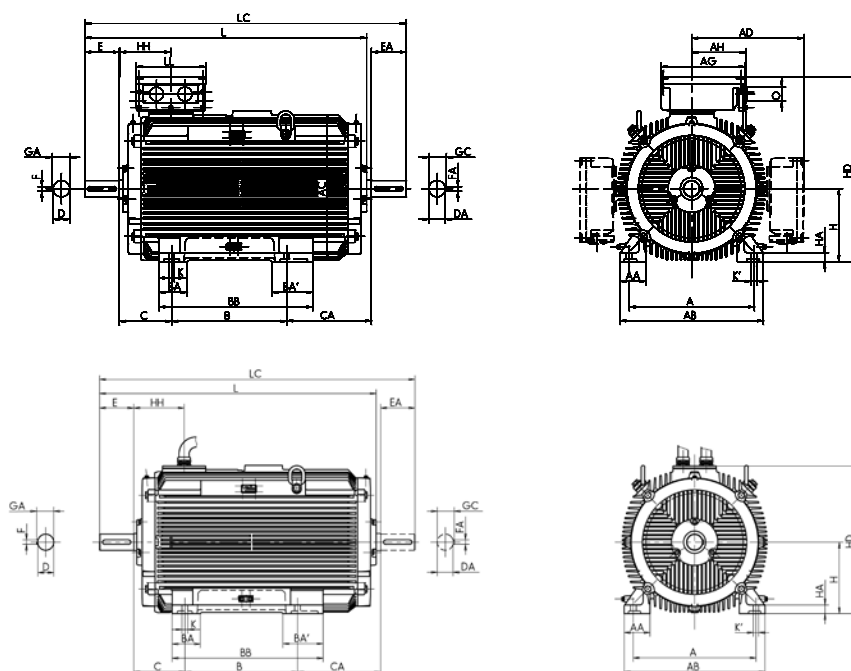
Type designation	GA	GC	H	HA	HD	HD''	HD'''	HD'''	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole
	t	t1	h	c	p	p	p	p	A	s	s'	k	k1					pattern
IE1-K10R 132 S FAN	41	41	132	15	331	279	276	279	114	12	12	420	506	25 A	156	145	M32 x 1.5	4L
IE1-K10R 132 M FAN	41	41	132	15	331	279	276	279	114	12	12	468	554	25 A	156	145	M32 x 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

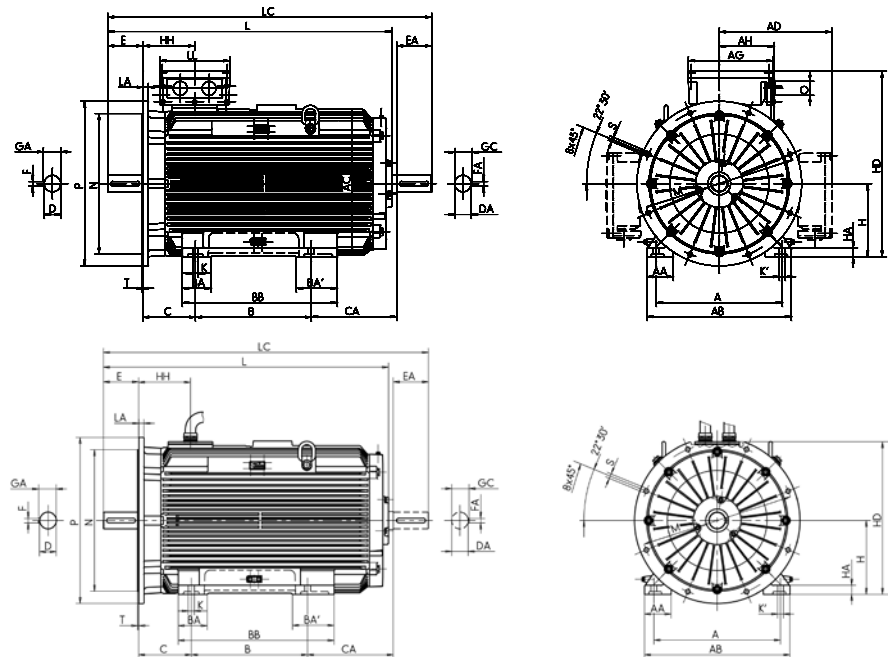
^a) Centre holes to DIN 332-DS

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

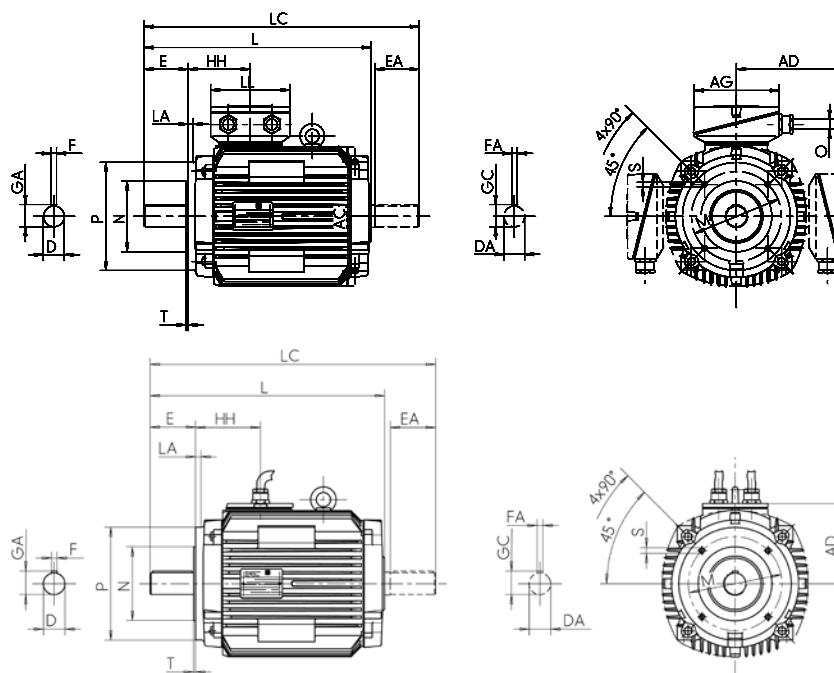
**) Terminal box left/right

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

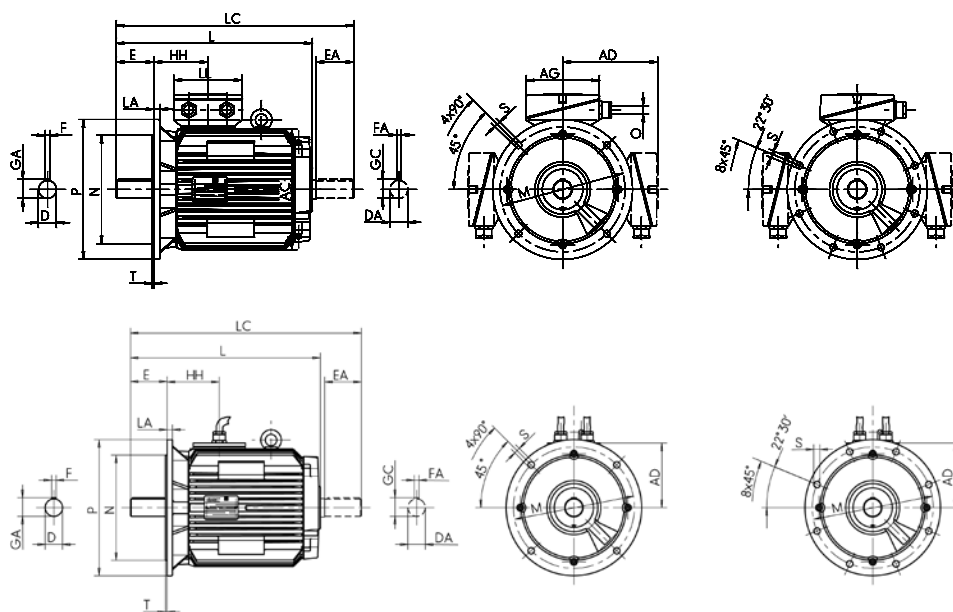
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

Surface cooling, type of cooling IC 410, degree of protection IP 55
Size 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 with TB	AD Cable	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

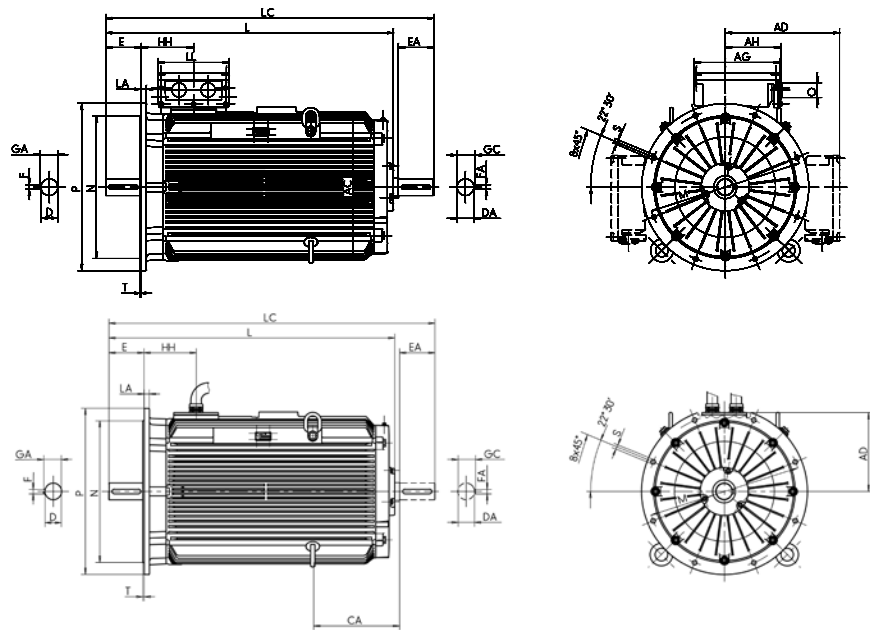
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

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



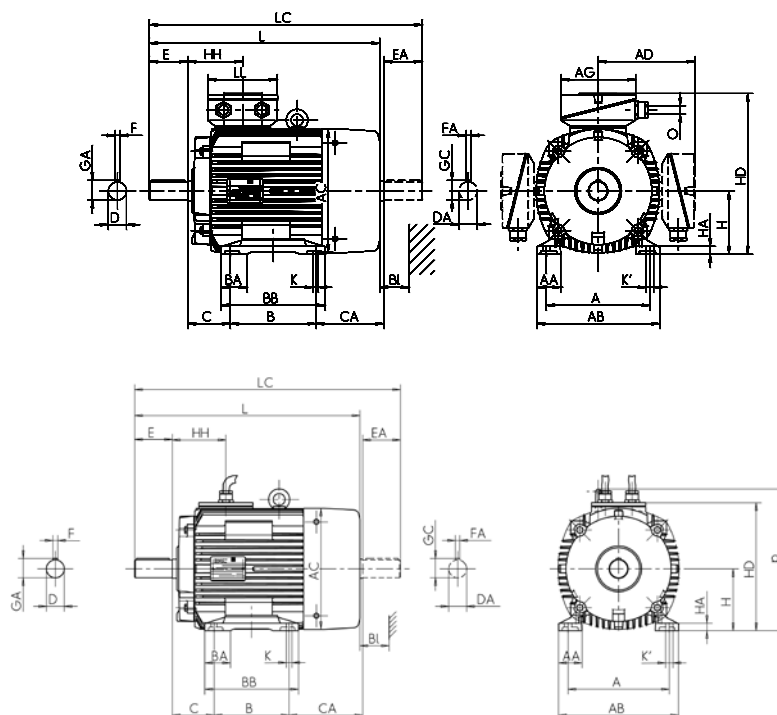
Type designation	Flange size	AC	AD	AD	D	DA	DB ¹⁾	E	EA	F	FA	GA	GC	H	HH	L	LC	TB Type	AG	LL	AH	O
		g	g1	g1	d	d1		l	l1	u	u1	t	t1	h	A	k	k1		x	z	-	r
IE1-K10R 280 S2 FAN	FF 600	550	416	315	70	70	M20	140	140	20	20	74.5	74.5	280	211	879	1026	200 A	282	242	-	M63 x 1.5
IE1-K10R 280 S4. 6. 8 FAN	FF 600	550	416	315	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

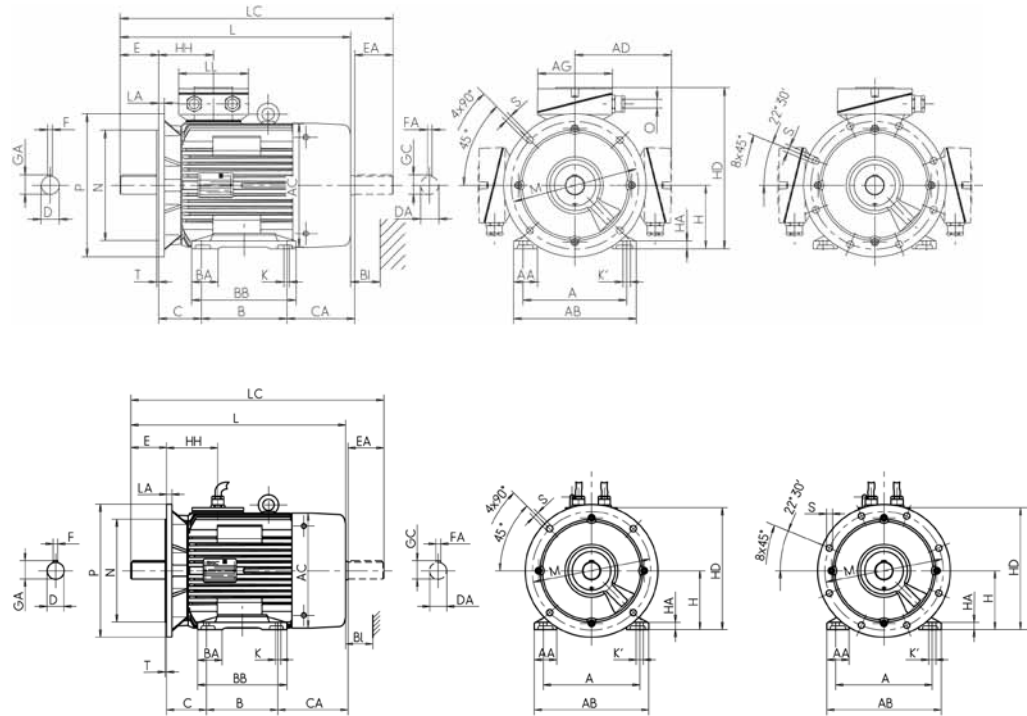
¹⁾ Centre holes to DIN 332-DS

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



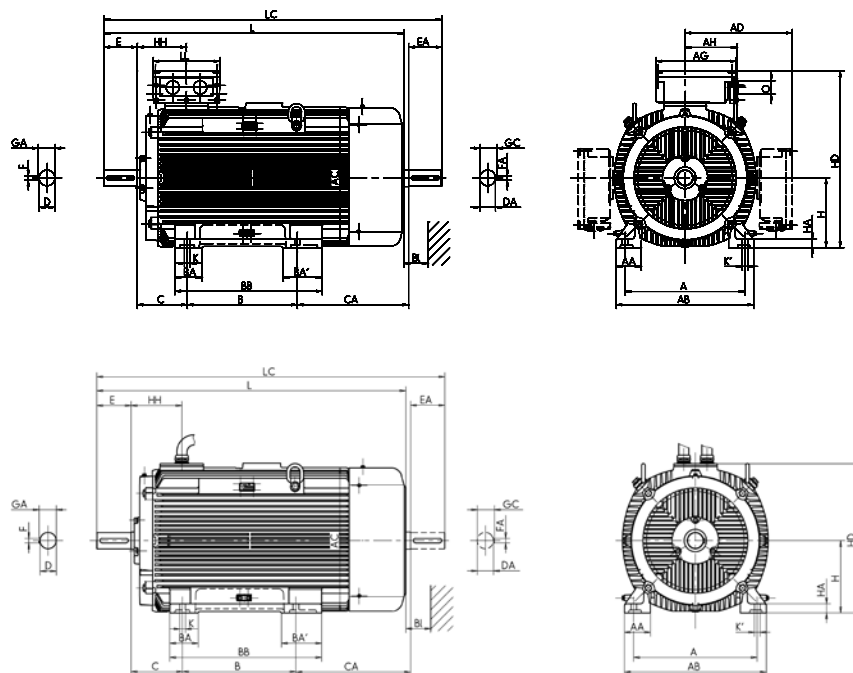
Type designation	GA	GC	H	HA	HD	HD**)	HD	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1		X	Z		pattern	BI
(IE1-)K21R 132 M4	41	41	132	16	331	279	276	114	12	12	481	565	25 A	156	145	M32 x 1.5	4L	35
(IE1-)K21R 132 MX6	41	41	132	16	331	279	276	114	12	12	481	565	25 A	156	145	M32 x 1.5	4L	35
(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
		with TB Cable																		
		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

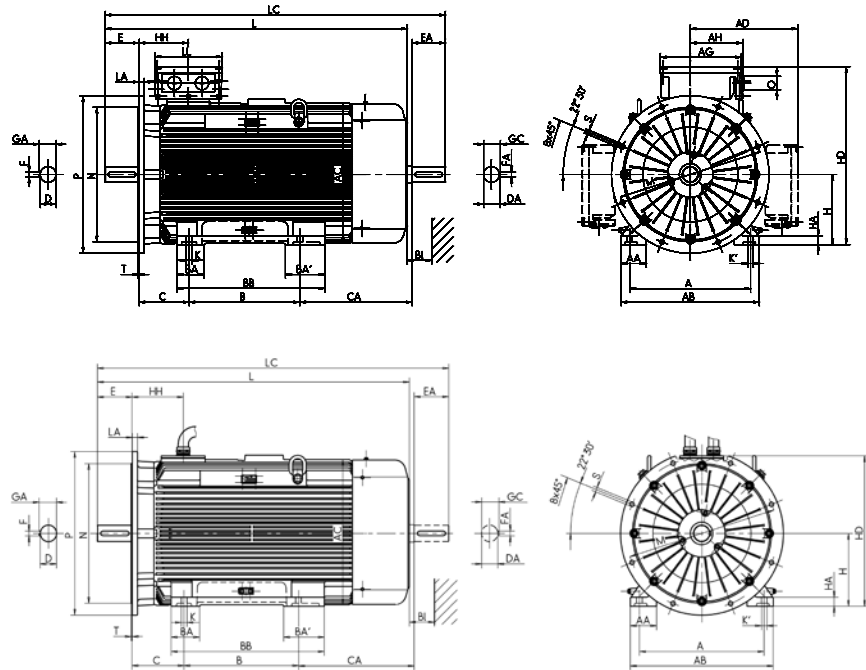
^a) Centre holes to DIN 332-DS

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



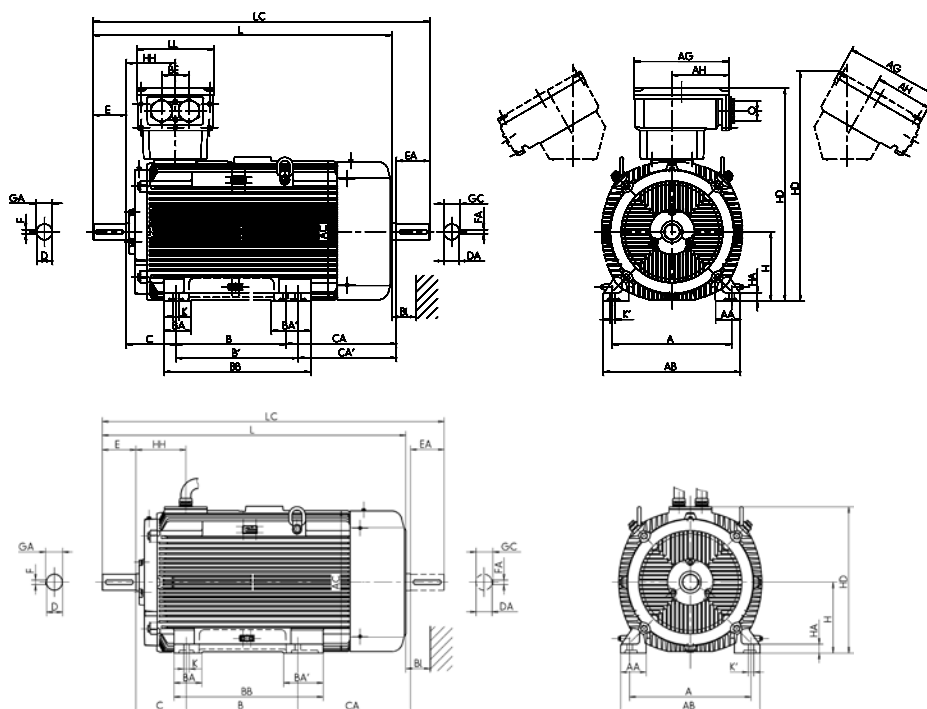
Type designation	GA	GC	H	HA	HD	HD ^{*)}	HD	HH	K	K'	L	LC	TB Type	AG	LL	AH	O	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1		x	z	-	r	BI
(IE1-)K21R 315 S2	69	69	315	44	731	595	630	211	28	35	1050	1218	200 A	282	242	-	M63 x 1.5	55
(IE1-)K21R 315 S4, 6, 8	85	74.5	315	44	731	595	630	211	28	35	1080	1248	200 A	282	242	-	M63 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

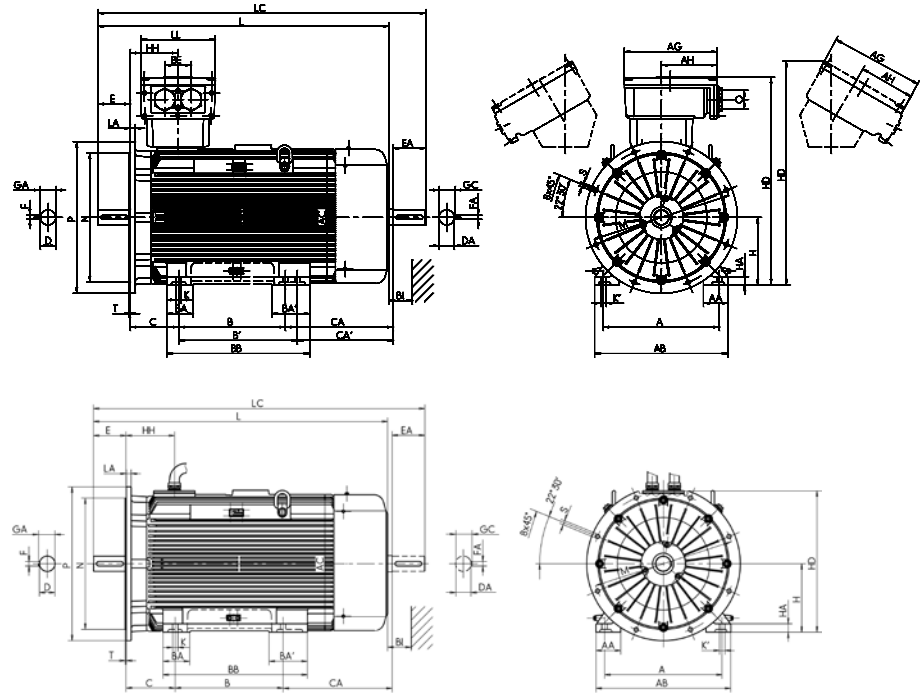
¹⁾ Centre holes to DIN 332-DS

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

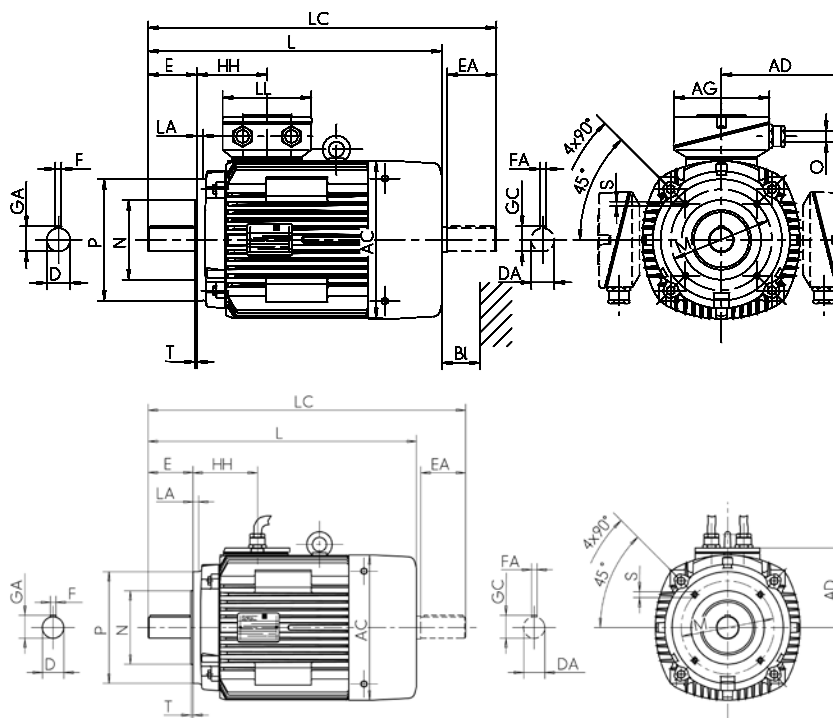
^{*)} Terminal box inclined left/right

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

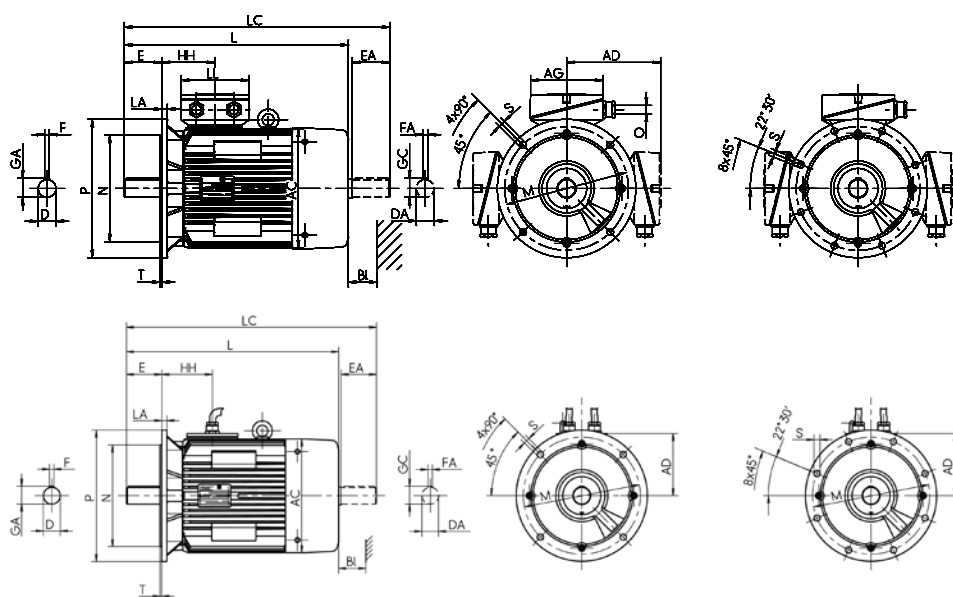
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

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

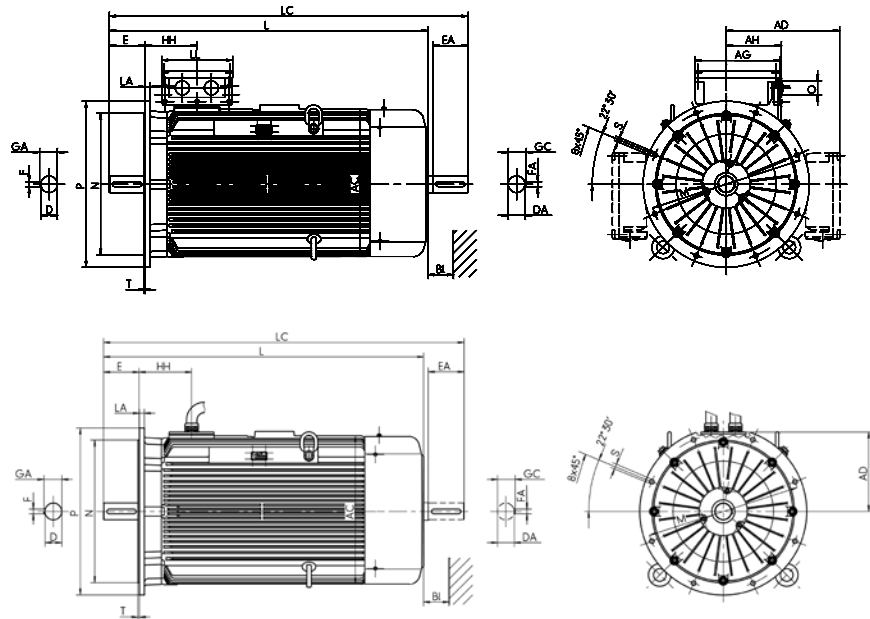
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

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⁾ l	E l1	EA u	F u1	FA t	GA t1	GC h	H A	HH k	L k1	LC k1	TB Type	AG x	LL z	AH -	O r	BI BI
(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

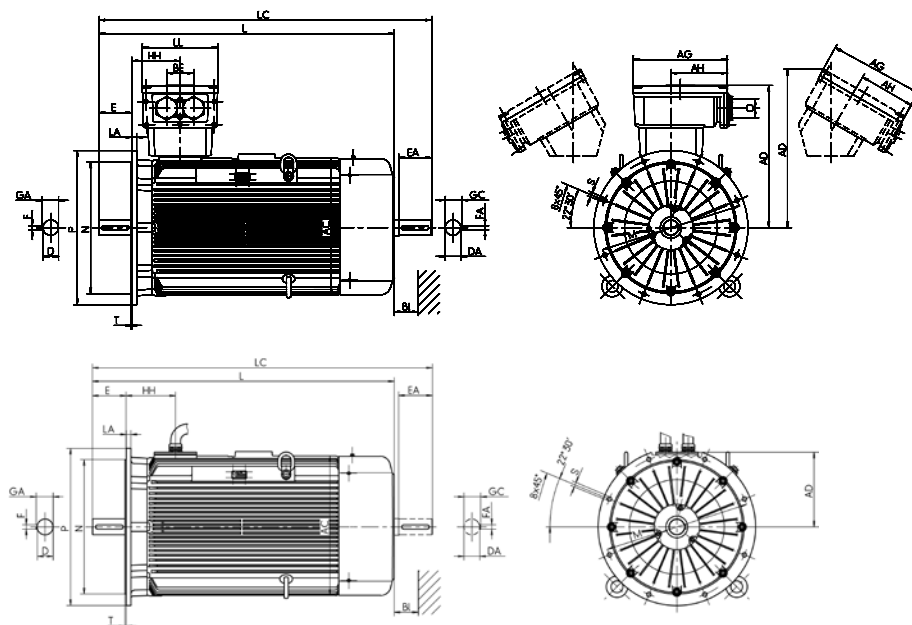
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

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"	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

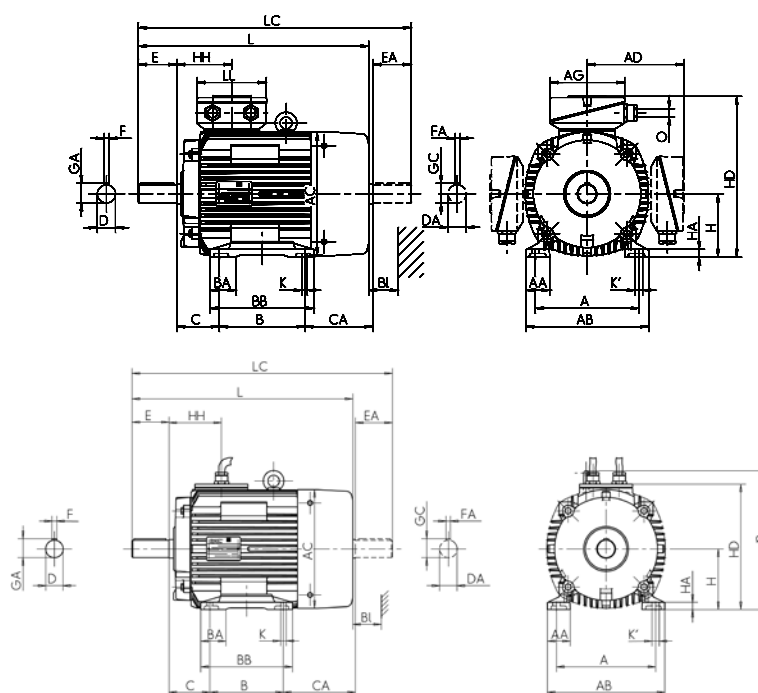
) Centre holes to DIN 332-DS

) 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

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

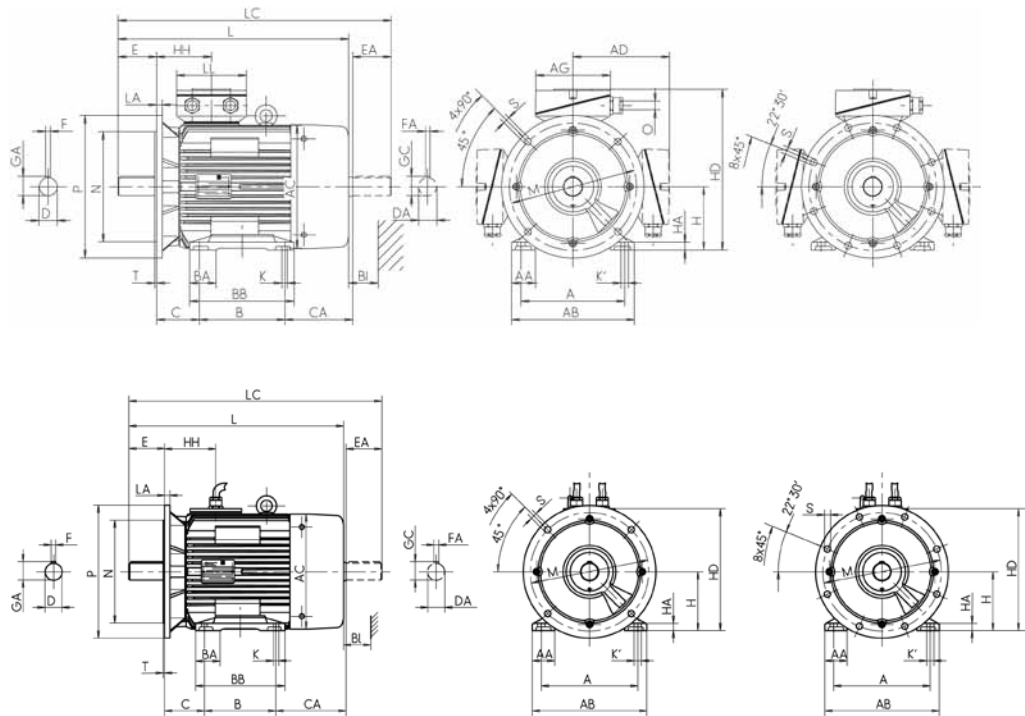
¹⁾ Centre holes to DIN 332-DS

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



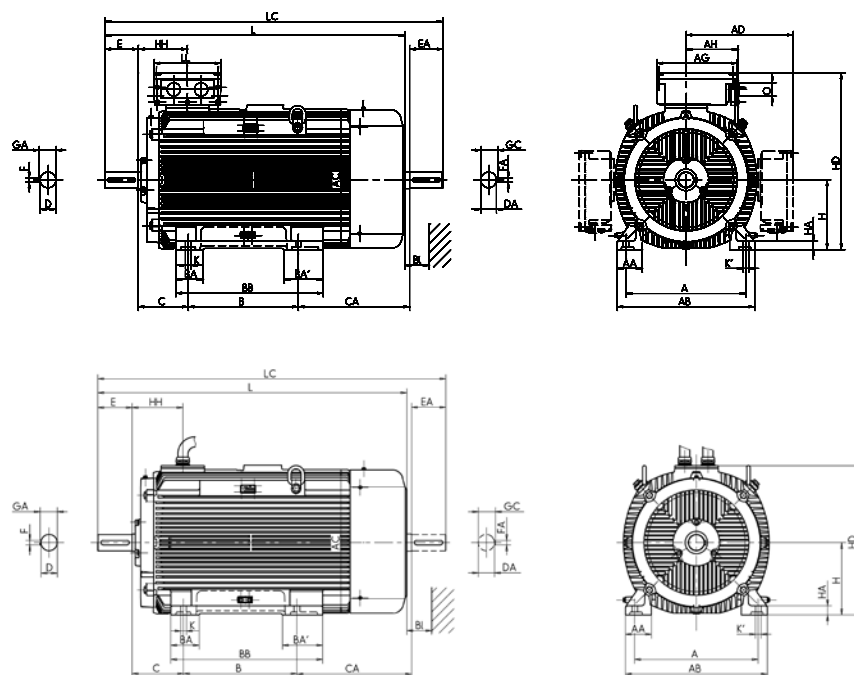
Type designation	GA	GC	H	HA	HD	HD** with TB	HD	HH	K	K'	L	LC	TB Type	AG	LL	O	Hole	BI
	t	t1	h	c	p	p	p	A	s	s'	k	k1					pattern	BI
(IE1-)K20R 132 S	41	41	132	15	331	279	276	114	12	12	481	565	25 A	156	145	M32 x 1.5	4L	35
(IE1-)K20R 132 M	41	41	132	15	331	279	276	114	12	12	529	613	25 A	156	145	M32 x 1.5	4L	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 with TB Cable	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
(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

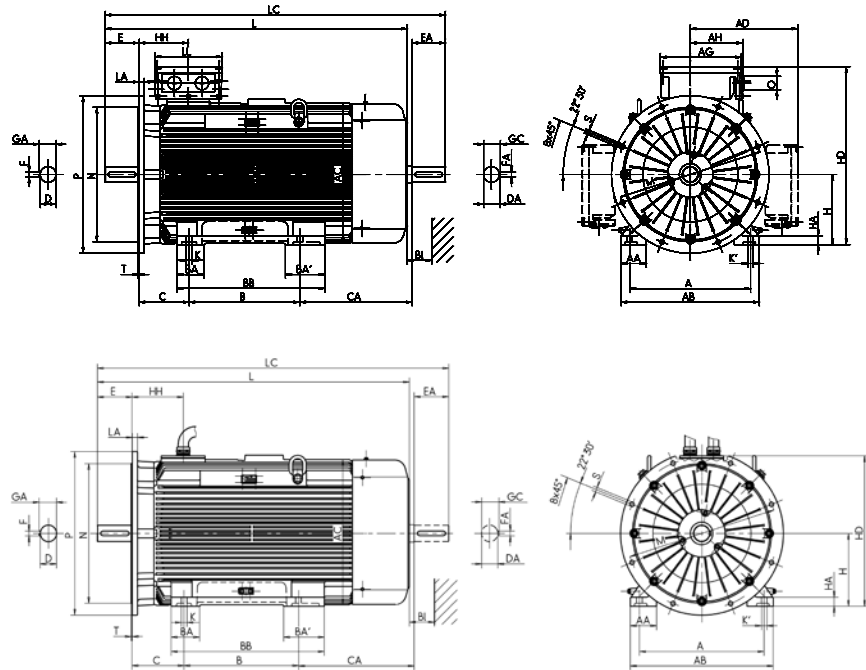
^a) Centre holes to DIN 332-DS

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

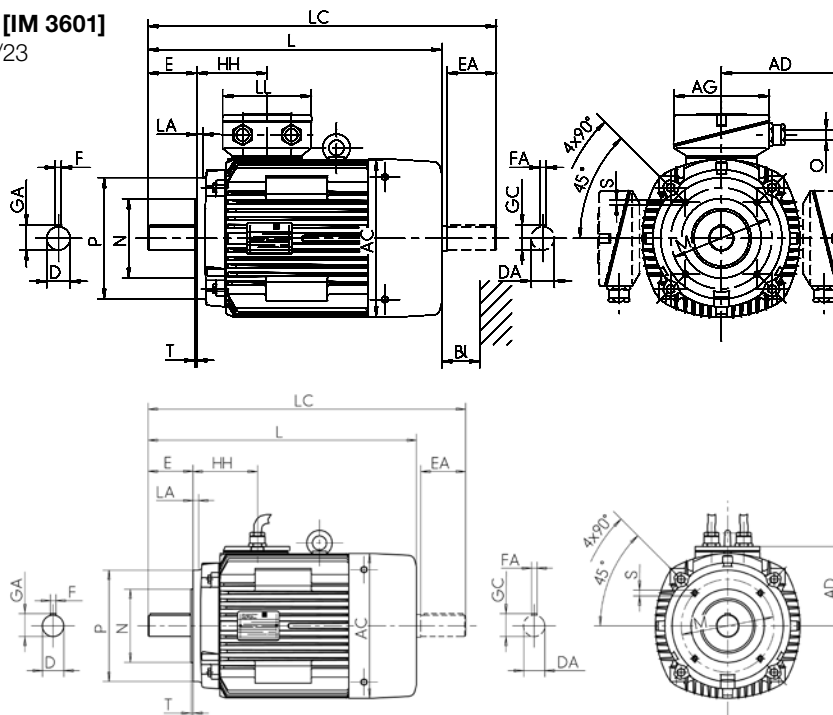
^{*)} Terminal box left/right

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

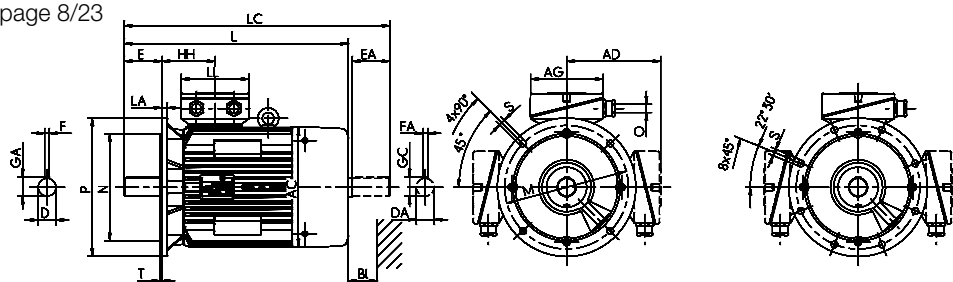
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3
Energy-saving motor, efficiency class Standard Efficiency IE1

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

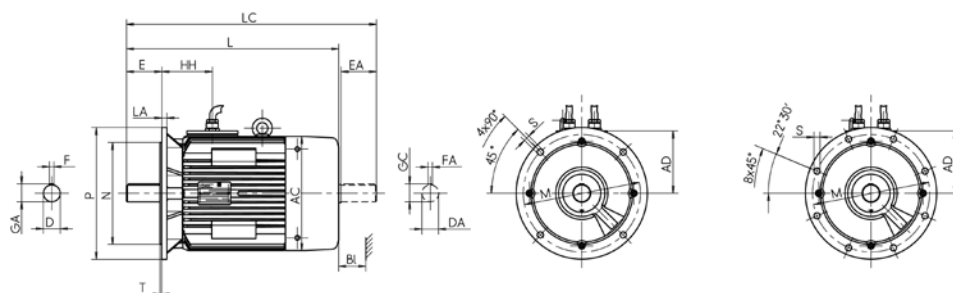
Type of construction IM B5 [IM 3001]

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 ¹⁾	E	EA	F	FA	GA	GC	H	HH	L	LC	TB	Type	AG	LL	O	Hole	BI
				with TB	Cable																			
		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	

^a) Centre holes to DIN 332-DS

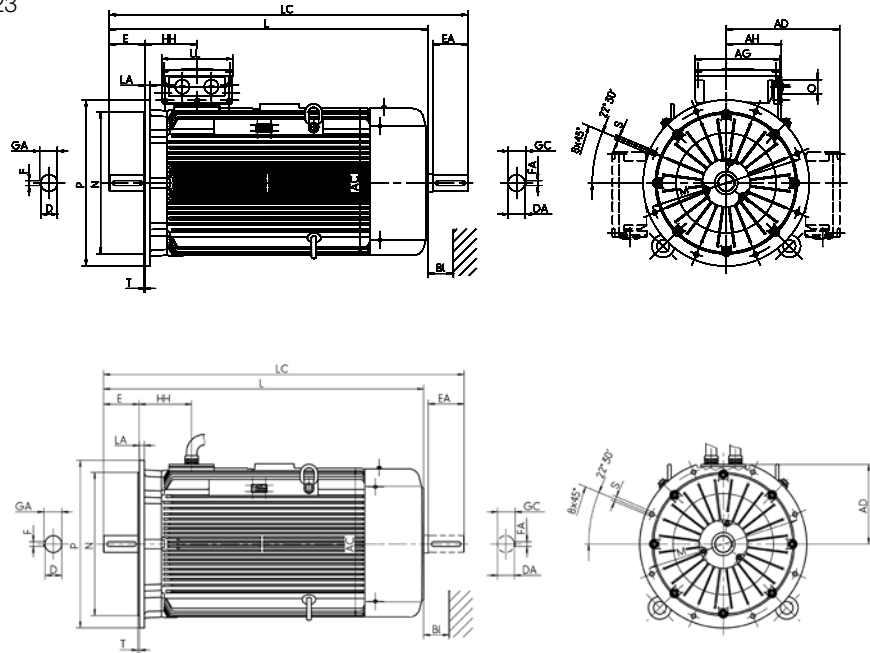
Three-phase motors with squirrel-cage rotor for use in powered smoke and heat extraction systems to EN 12101-3 Energy-saving motor, efficiency class Standard Efficiency IE1

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 g	AD g1	AD g1	D d	DA d1	DB ⁷⁾ l	E l1	EA u	F u1	FA t	GA t1	GC h	H A	HH k	L k1	LC k1	TB Type	AG x	LL z	AH -	O r	BI BI
(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

⁷⁾ Centre holes to DIN 332-DS

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