SHANDONG SUNVIM MOTOR CO.,LTD

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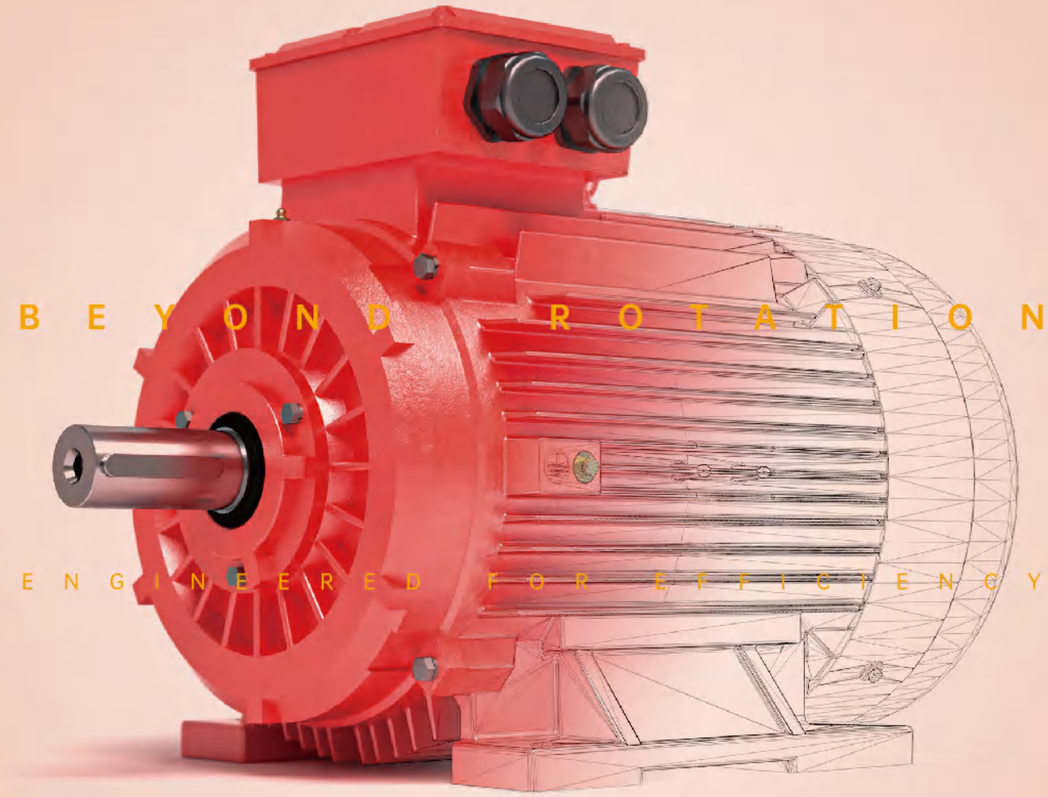
SUNVIM



B E Y O N D R O T A T I O N

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SUNVIM

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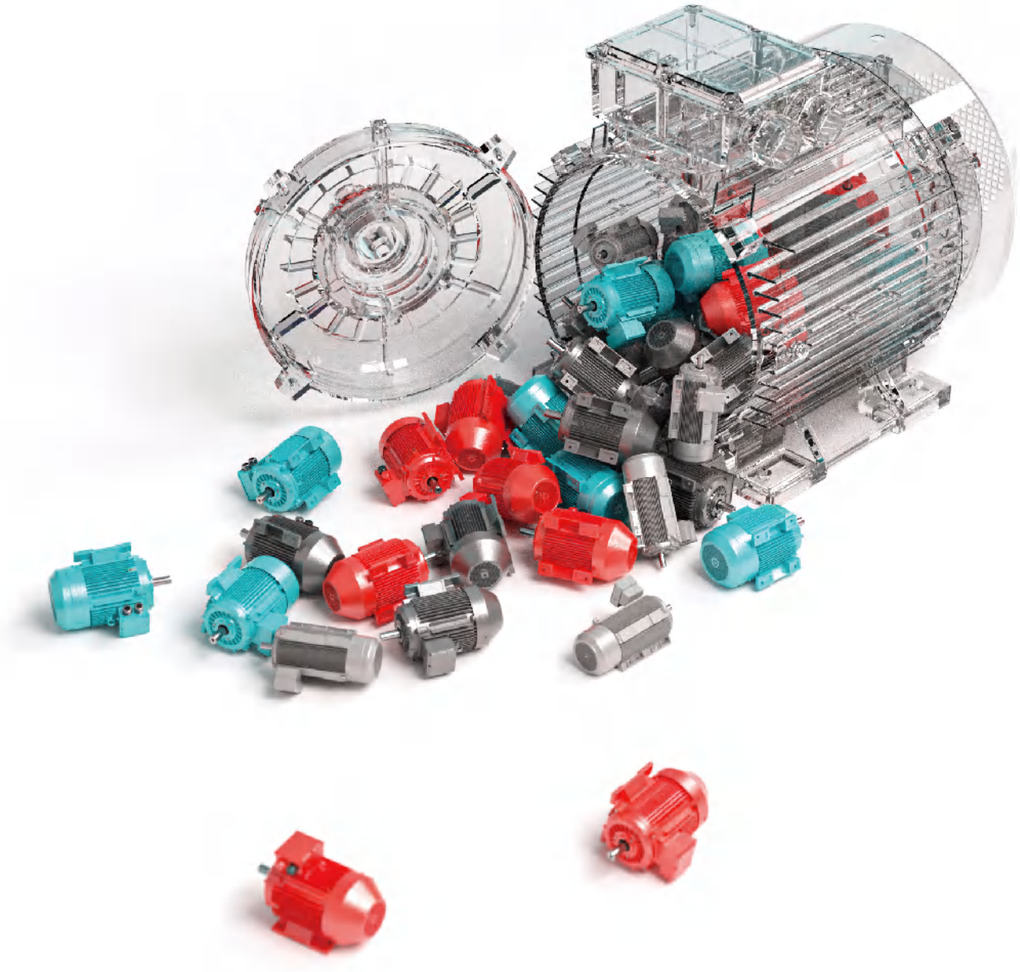


The exporing of Sunvim Home Textiles products have ranked the first in the industry for 24 consecutive years

Ranking of China's Top 500 Textile and Apparel Enterprises in Terms of Competitiveness:
the 12th

Ranking of Chinese home textile enterprises:
the 1st

Brand value:
5.039 billion

Group introduction

Founded in 1987, Sunvim Group has adhered to the business philosophy of "Pursuing Success with Sincerity and Creating Win-win Cooperation" for nearly 40 years. It has developed into a comprehensive group enterprise with home textiles as its leading business, integrating diversified industries such as domestic and foreign trade, chemical, electric motor, new energy, thermal power, and water supply. In 2006, Sunvim Group was listed on Shenzhen Stock Exchange (stock code: 002083), becoming the first overall listed enterprise in China's home textile industry. Relying on high-quality products and good reputation, the company's products are exported to multiple countries and regions across Asia, Europe, America, Australia, and the Middle East. It has build up an excellent reputation in both domestic and international markets. The Group has formed a high-and-middle brand operation structure featuring distinct brand characteristics and diversified marketing channels, and has been listed consecutively in China's Most Valuable Brand List for many years.

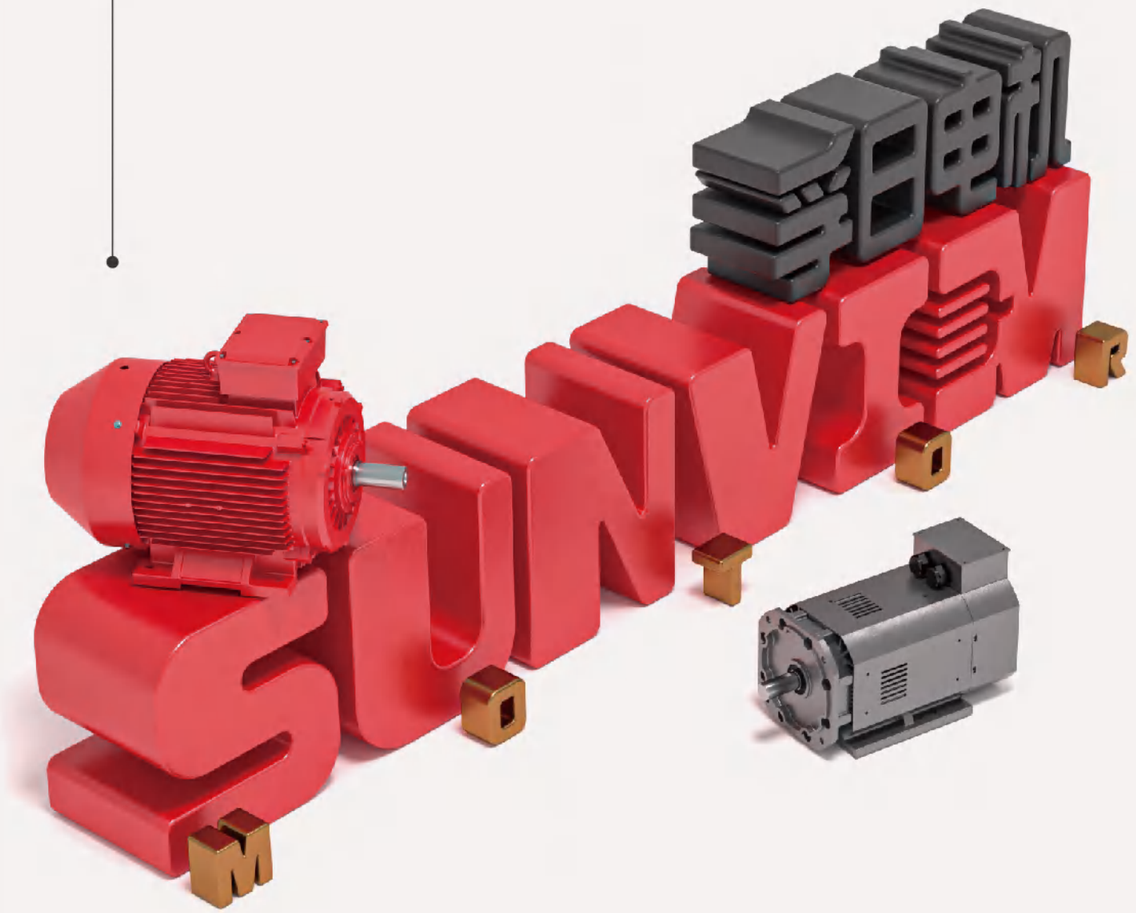
Group industry

SUNVIM GROUP CO.,LTD

Home textile industry	Motor industry	Chemical engineering industry	Thermoelectric industry	Water purification technology industry
Home Textile company — Cotton Textile Company	Sunvim motor	Xuanwei Chemical Industry — Gaoyuan Chemical Industry — Sunvim New Energy	Sunvim Power Plant South Plant — Sunvim Power Plant North Plant	Sunvim Pure Water Plant — Sunvim Recycled Water Plant

BEYOND ROTATION

ENGINEERED FOR EFFICIENCY



Land area

102

Total investment

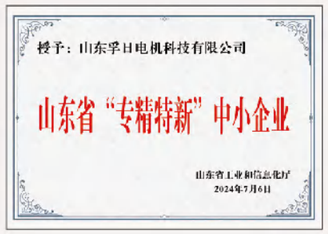
200,000,000

Shandong Sunvim Motor Co., Ltd. mainly engages in the research, development and production of high-efficiency and energy-saving electric motors. With a total investment of 200 million yuan and a land area of 102acres, the company is equipped with advanced international and domestic facilities such as processing centers and automatic winding machines, and it has established a high-precision and high-power type test center.

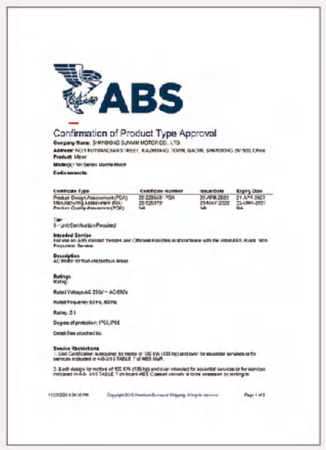
The main products include IE3/IE4 high-efficiency three-phase asynchronous motors and IE5 ultra-high-efficiency energy-saving motors. It possesses the industry leading research, design and production capabilities for ultra-high-efficiency synchronous reluctance motors, permanent magnet synchronous motors, and high-voltage motors. The products features high protection level, strong insulation performance, wide application scenarios, energy conservation and consumption reduction, and reliable structures. They are mainly exported to markets in Europe, Africa, and Southeast Asia, with a wide customer base and a high market reputation.

The company has passed certifications of ISO9001:2008 quality management system certification, China Energy-saving Product Certification, UL product certification in the United States, CE certification in the European Union, UKCA certification in the United Kingdom, CCS type certification of China Classification Society, DNV type certification of Det Norske Veritas, and ABS type certification of American Bureau of Shipping. It has also been honored with "High-tech Enterprise", "Provincial Specialized Refined, Unique and Innovative Enterprise", "Shandong Province Innovation Capacity Enhancement Project"and "Taishan Industry Leading Talent Project".

Certificates



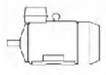
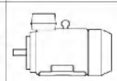
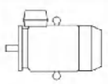
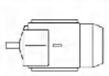
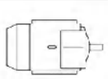
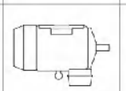
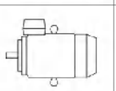
Marine certificates



Standards

Standard title	Chinese standard	IEC standard
Rotating electrical machines - Part 1: Rating and performance	GB 755	IEC 60034-1
Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification	GB/T 4942.1	IEC 60034-5
Rotating electrical machines - Part 6: Methods of cooling (IC Code)	GB/T 1993	IEC 60034-6
Rotating electrical machines - Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code)	GB/T 997	IEC 60034-7
Rotating electrical machines - Part 8: Terminal markings and direction of rotation	GB 1971	IEC 60034-8
Rotating electrical machines - Part 9: Noise limits	GB 10069.3	IEC 60034-9
Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors	GB/T 21210	IEC 60034-12
Rotating electrical machines - Part 14: Measurement, evaluation and limits of vibration severity	GB/T 10068	IEC 60034-14
Rotating electrical machines - Part 17: Cage induction motors when fed from converters - Application guide	GB/T 20161	IEC 60034-17
Rotating electrical machines - Dimensions and output series	GB/T 4772	IEC 60072
Rotating electrical machines - Part 30-1: Efficiency classes of line operated AC motors (IE code)	GB 18613	IEC 60034-30
Standard voltage	GB/T 156	IEC 60038

Mounting and positions

IEC 60034-7		Figure	Frame size				
Code I	Code II		63-132	160-180	200-250	280-315	355
IM B3	IM 1001		•	•	•	•	•
IM B35	IM 2001		•	•	•	•	•
IM B34	IM 2101		•	•			
IM B5	IM 3001		•	•	•	•	
IM B6	IM 1051		•	•	•		
IM B7	IM 1061		•	•	•		
IM B8	IM 1071		•	•	•		
IM B14	IM 3601		•	•			

IEC 60034-7		Figure	Frame size				
Code I	Code II		63-132	160-180	200-250	280-315	355
IM V1	IM 3011		•	•	•	•	•
IM V15	IM 2011		•	•	•	•	•
IM V3	IM 3031		•	•	•		
IM V36	IM 2031		•	•	•		
IM V5	IM 1011		•	•	•		
IM V6	IM 1031		•	•	•		
IM V18	IM 3611		•				
IM V19	IM 3631		•				

Protection

The protection degree of an electric motor is usually indicated by the IP (Ingress Protection) code, which defines the motor housing's ability to prevent the intrusion of solid foreign objects (including dust) and liquids.

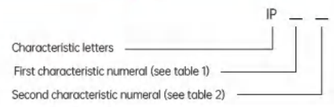


Table 1

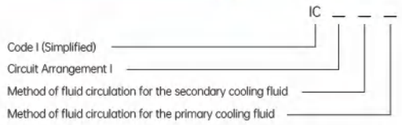
The first numeral	Brief description	Definition
0	Non-protected machine	No specific protection
1	Machine protected against solid objects greater than 50 mm	Accidental or inadvertent contact with or approach to live and moving parts inside the enclosure by a large surface of the human body, such as a hand (but no protection against deliberate access) Ingress of solid objects exceeding 50 mm in diameter
2	Machine protected against solid objects greater than 12 mm	Contact with or approach to live or moving parts inside the enclosure by fingers or similar objects not exceeding 80 mm in length, Ingress of solid objects exceeding 12 mm in diameter
3	Machine protected against solid objects greater than 2,5 mm	Contact with or approach to live or moving parts inside the enclosure by tools or wires exceeding 2,5 mm in diameter, Ingress of solid objects exceeding 2,5 mm in diameter
4	Machine protected against solid objects greater than 1 mm	Contact with or approach to live or moving parts inside the enclosure by wires or strips of thickness greater than 1 mm, Ingress of solid objects exceeding 1 mm in diameter
5	Dust-protected machine	Contact with or approach to live or moving parts inside the enclosure Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the machine
6	Dust-tight machines	Ingress of dust totally prevented

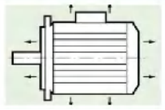
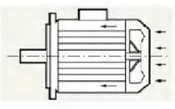
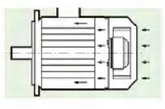
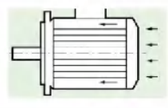
Table 2

The second numeral	Brief description	Definition
0	Non-protected machine	No specific protection
1	Machine protected against dripping water	Dripping water (vertically falling drops) shall have no harmful effect
2	Machine protected against dripping water when tilted up to 15°	Vertically dripping water shall have no harmful effect when the machine is tilted at any angle up to 15°from its normal position
3	Machine protected against spraying water	Water falling as a spray at an angle up to 60° from the vertical shall have no harmful effect
4	Machine protected against splashing water	Water splashing against the machine from any direction shall have no harmful effect
5	Machine protected against water jets	Water projected by a nozzle against the machine from any direction shall have no harmful effect
6	Machine protected against heavy seas	Water from heavy seas or water projected in powerful jets shall not enter the machine in harmful quantities
7	Machine protected againstthe effects of immersion	Ingress of water in the machine in a harmful quantity shall not be possible when the machine is immersed in water under stated conditions of pressure and time
8	Machine protected againstthe effects of continuous submersion	The machine is suitable for continuous submersion in water under conditions which shall be specified by the manufacturer

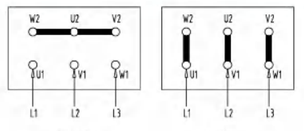
Cooling

The designation of cooling method is given by the IC (International Cooling) code, according to IEC 60034-6

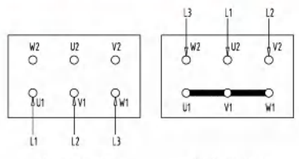


IC code	IC410(TENV)	IC411(TEFC)	IC416(TEBC)	IC418(TEAO)
Figure				
Description	Enclosed machine, surface-cooledby natural convection and radiation.No external fan.	Enclosed machine. Smooth or finned ventilated casingExtemal shaft-mounted fan.	Enclosed machine. Smooth or finned enclosed casing. External motorized axial (A) fan supplied with the machine.	Enclosed machine. Smooth or finned casingNo external fan. Ventilation provided by air flow coming from the driven system.

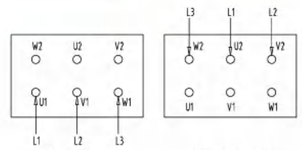
Connection



Single speed motor



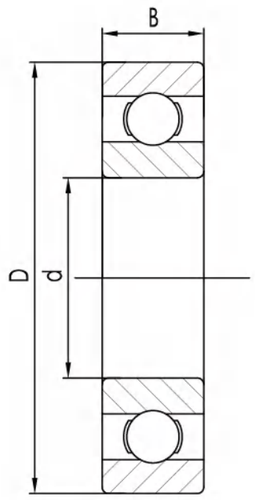
Double speed motor (Single winding with 6 terminals)



Double speed motor (Two separate windings 6 terminals)

Bearing type

Frame size	DE	NDE	d	D	B
80	6204 ZZ	6204 ZZ	20	47	14
90	6205 ZZ	6205 ZZ	25	52	15
100	6206 ZZ	6206 ZZ	30	62	16
112	6306 ZZ	6306 ZZ	30	72	19
132	6308 ZZ	6308 ZZ	40	90	23
160	6309	6309	45	100	25
180	6311	6311	55	120	29
200	6312	6312	60	130	31
225	6313	6313	65	140	33
250 (Horizontal)	6314	6314	70	150	35
250 (Vertical)	6314	7314	70	150	35
280-2P (Horizontal)	6314	6314	70	150	35
280-2P (Vertical)	6314	7314	70	150	35
280-4-8P (Horizontal)	6317	6317	85	180	41
280-4-8P (Vertical)	6317	7317	85	180	41
315-2P (Horizontal)	6317	6317	85	180	41
315-2P (Vertical)	6317	7317	85	180	41
315-4-10P (Horizontal)	6319	6319	95	200	45
315-4-10P (Vertical)	6319	7319	95	200	45
355-2P (Horizontal)	6319	6319	95	200	45
355-2P (Vertical)	6319	7319	95	200	45
355-4-10P (Horizontal)	6322	6322	110	240	50
355-4-10P (Vertical)	6322	7322	110	240	50
355X-2P (Horizontal)	6319	6319	95	200	45
355X-2P (Vertical)	6319	7319	95	200	45
355X-4-10P (Horizontal)	NU324	6324	120	260	55
355X-4-10P (Vertical)	6324	7324	120	260	55
400X-2P (Horizontal)	6319	6319	95	200	45
400X-2P (Vertical)	6319	7319	95	200	45
400X-4-10P (Horizontal)	NU326	6326	130	280	58
400X-4-10P (Vertical)	6326	7326	130	280	58
450X-2P (Horizontal)	6220	6220	100	180	34
450X-2P (Vertical)	6220	7220	100	180	34
450X-4-10P (Horizontal)	NU328	6328	140	300	62
450X-4-10P (Vertical)	6328	7328	140	300	62



Bearing lubrication interval

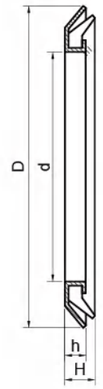
Table

Frame size	DE	NDE	Interval(hour)				Grease amount(g)
			2P	4P	6P	8P	
160	6309	6309	2000	5400	6900	7800	20
180	6311	6311	2000	5400	6900	7800	25
200	6312	6312	1500	5000	6500	7000	25
225	6313	6313	1500	5000	6500	7000	30
250	6314	6314	1100	4700	6400	6900	35
280-2P	6314	6314	1100	/	/	/	35
280-4-8P	6317	6317	/	4500	6300	6800	40
315-2P	6317	6317	1000	/	/	/	40
315-4-10P	6319	6319	/	3800	6000	6500	50
355-2P	6319	6319	1000	/	/	/	50
355-4-10P	6322	6322	/	3200	5500	6000	60
355X-2P	6319	6319	1000	/	/	/	50
355X-4-10P	NU324	6324	/	3000	5000	5500	75
400X-2P	6319	6319	1000	/	/	/	50
400X-4-10P	NU326	6326	/	2500	4500	5000	85
450X-2P	6220	6220	1000	/	/	/	35
450X-4-10P	NU328	6328	/	2000	4000	5000	95

Notes: Size H63-450 are equipped with closed bearings and lubrication for life.Size H160 and above are equipped with open bearings, also with greaser and exhausted grease drainage.
The lubrication interval of vertical mounting motors apply half of the above values.The lubrication interval is based on a bearing temperature of 80°C and an ambient temperature of +25°C. Changes in the ambient temperature can affect the bearing temperature.
When the bearing temperature increases by 15°C, the lubrication interval should be half; when the bearing temperature decreases by 15°C, the lubrication interval can be doubled.

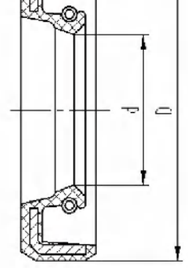
Gamma seal

Frame size	Specification	d	D	h	H
80	RB20×35×4.0	Ø20	Ø35	3	5.5
90	RB25×40×4.0	Ø25	Ø40	3	5.5
100	RB30×47×4.5	Ø30	Ø47	3.5	6.5
112	RB30×47×4.5	Ø30	Ø47	3.5	6.5
132	RB40×57×4.5	Ø40	Ø57	3.5	6.5
160	RB45×62×4.5	Ø45	Ø62	3.5	6.5
180	RB55×75×5.5	Ø55	Ø75	4.5	7.5
200	RB60×80×5.5	Ø60	Ø80	4.5	7.5
225	RB65×85×5.5	Ø65	Ø85	4.5	7.5
250	RB70×90×5.5	Ø70	Ø90	4.5	7.5
280-2	RB70×90×5.5	Ø70	Ø90	4.5	7.5
280-4.6.8	RB85×105×5.5	Ø85	Ø105	4.5	7.5
315-2	RB85×105×5.5	Ø85	Ø105	4.5	7.5
315-4.6.8	RB95×115×5.5	Ø95	Ø115	4.5	7.5
355-2	RB95×115×5.5	Ø95	Ø115	4.5	7.5
355-4.6.8	RB110×130×5.5	Ø110-	Ø130	4.5	7.5
355X-2	RB95×115×5.5	Ø95	Ø115	4.5	7.5
355X-4.6.8	RB120×140×5.5	Ø120-	Ø140	4.5	7.5
400X-2	RB95×115×5.5	Ø95	Ø115	4.5	7.5
400X-4.6.8	RB130×150×5.5	Ø130-	Ø150	4.5	7.5
450X-4.6.8	RB140×160×5.5	Ø140-	Ø160	4.5	7.5



Oil seal

Frame size	Specification	d	D	H
80	(F)B20×42×5	Ø20	Ø42	5
90	(F)B25×47×5	Ø25	Ø47	5
100	(F)B30×52×7	Ø30	Ø52	7
112	(F)B30×52×7	Ø30	Ø52	7
132	(F)B40×62×5	Ø40	Ø62	5
160	(F)B45×62×8	Ø45	Ø62	8
180	(F)B55×80×8	Ø55	Ø80	8
200	(F)B60×85×8	Ø60	Ø85	8
225	(F)B65×90×10	Ø65	Ø90	10
250	(F)B70×95×10	Ø70	Ø95	10
280-2	(F)B70×95×10	Ø70	Ø95	10
280-4.6.8	(F)B85×110×12	Ø85	Ø110	12
315-2	(F)B85×110×12	Ø85	Ø110	12
315-4.6.8	(F)B95×120×12	Ø95	Ø120	12
355-2	(F)B95×120×12	Ø95	Ø120	12
355-4.6.8	(F)B110×140×12	Ø110	Ø140	12
355X-2	(F)B95×120×12	Ø95	Ø120	12
355X-4.6.8	(F)B120×150×12	Ø120	Ø150	12
400X-2	(F)B95×120×12	Ø95	Ø120	12
400X-4.6.8	(F)B130×160×12	Ø130	Ø160	12
450X-4.6.8	B140×165×13	Ø140	Ø165	13



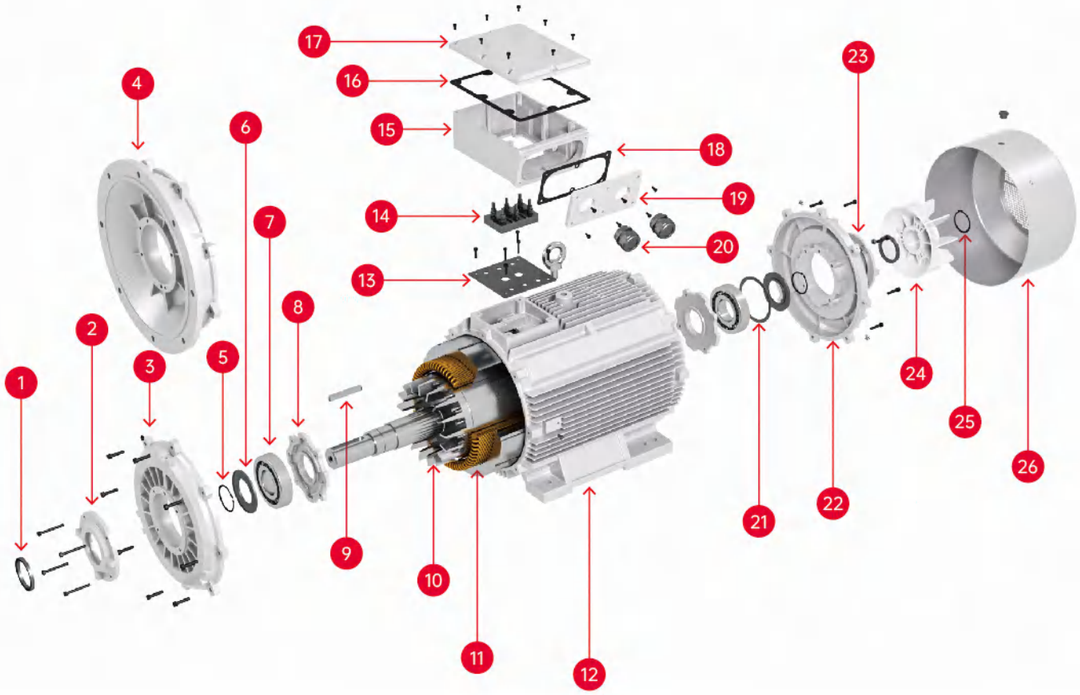
Vibration

Vibration grade	Shaft height mm	56 ⩽ H ⩽ 132		H > 132	
	Mounting	Displacement μm	Velocity mm/s	Displacement μm	Velocity mm/s
A	Free suspension	45	2.8	45	2.8
	Rigid mounting	-	-	37	2.3
B	Free suspension	18	1.1	29	1.8
	Rigid mounting	-	-	24	1.5

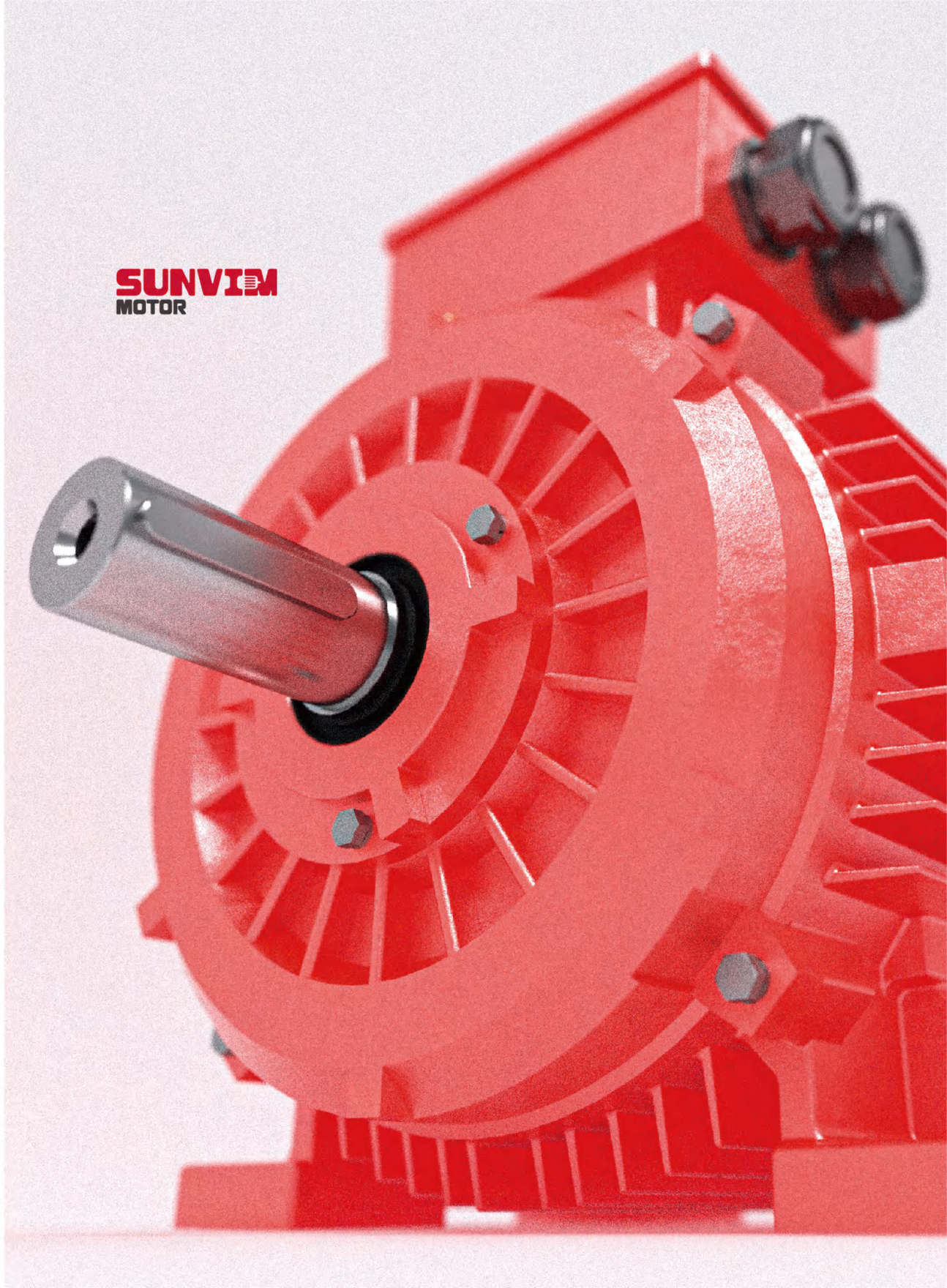
Grade "A" applies to machines with no special vibration requirements.
Grade "B" applies to machines with special vibration requirements.
Rigid mounting is not considered acceptable for machines with shaft heights less than 132 mm.

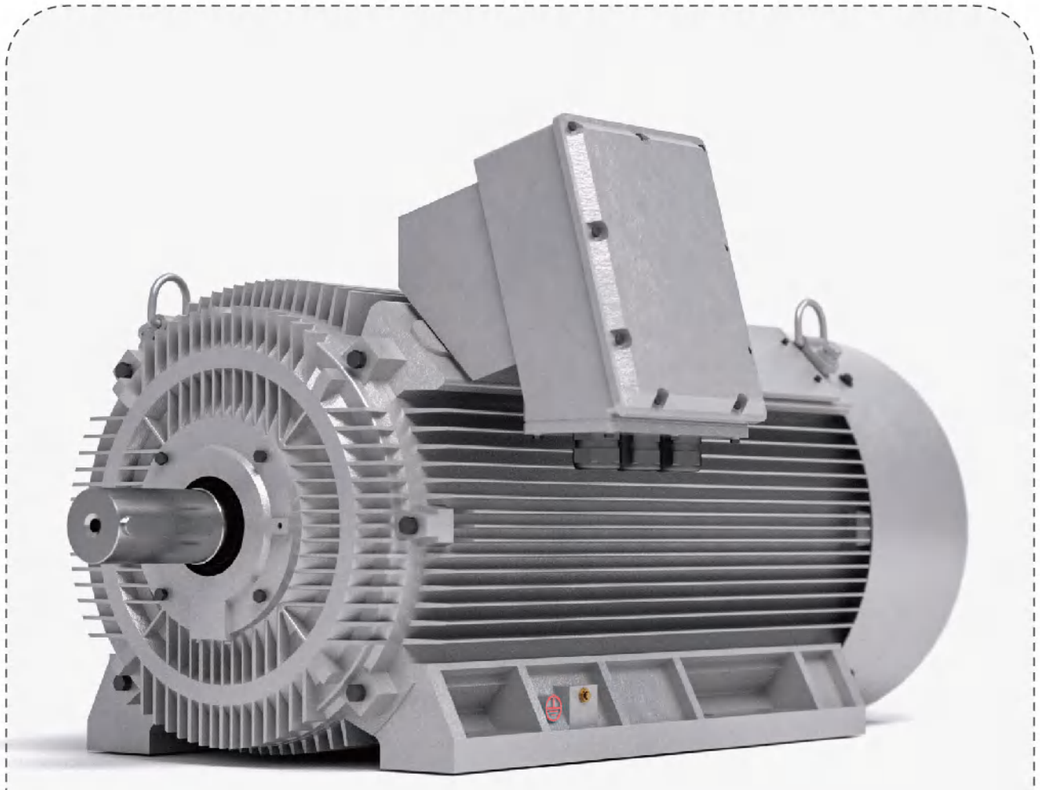
NOTE:

1. The manufacturer and the purchaser should take into account that the instrumentation can have a measurement tolerance of ± 10 %.
2. The shaft height of a machine without feet, or a machine with raised feet, or any vertical machine is to be taken as the shaft height of a machine in the same basic frame, but of the horizontal shaft foot-mounting type.
3. A machine which is well-balanced in itself and of a grade conforming with Table, may exhibit large vibrations when installed in-situ arising from various causes, such as unsuitable foundations, reaction of the driven machine, current ripple from the power supply, etc. Vibration may also be caused by driving elements with anatural oscillation frequency very close to the excitation due to the small residual unbalance of the rotating masses of the machine. In such cases, checks should be carried out not only on the machine, but also on each element of the installation."



1. Oil seal
2. Outer bearing cap (D)
3. Endshield D.E
4. Flange
5. Shaft retaining ring
6. Grease slinger
7. Bearing
8. Inner bearing cap
9. Key
10. Rotor
11. Stator
12. Housing
13. Terminal box gasket
14. Terminal board
15. Terminal box base
16. Terminal box lid gasket
17. Terminal box lid
18. Removable plate gasket
19. Removable plate
20. Cable gland
21. Wave spring
22. Endshield N.D.E
23. Outer bearing cap (N)
24. Fan
25. Shaft retaining ring
26. Fan cover





IE3/IE4 high output motors

Standard: IEC60034-30
Efficiency class: IE3/IE4
Frame size: 355X-450X
Output: 220-1000kW
Voltage / Frequency: ⩽1000V/50Hz,60Hz
Insulation class/Temperature rise class: F/B
Protection degree: IP55/IP56/IP65/IP66
Mounting arrangements: IM B3/IM B35/IM V1
Cooling methods: IC411
Duty: S1
Service factor: 1.0
Ambient temperature: -15°C ~+40°C
Relative humidity: ⩽90%
Altitude: ⩽ 1000m

Technical data (at 50Hz)

Motor Type	Power (kW)	Current (A)						Speed 50Hz (r/min)	Speed 60Hz (r/min)	Eff. η%			P.F. cos φ			Torque (N.m)	Tst Tn	Tmax Tn	Ist In	Noise dB (A) no load	Weight (kg)	Inertia (kg·m²)
		380V	660V	400V	690V	415V	720V			100%	75%	50%	100%	75%	50%							
IE3-355X1-2	355	612	352	581	337	560	323	2980	3576	95.8	95.6	93.8	0.92	0.87	0.78	1137.67	1.7	2.4	5.7	104	2000	5.45
IE3-355X2-2	400	690	397	655	380	631	364	2980	3576	95.8	95.6	93.8	0.92	0.87	0.78	1281.88	2.3	3	7.3	104	2135	6.43
IE3-355X3-2	450	776	447	737	427	710	409	2980	3576	95.8	95.6	93.8	0.92	0.87	0.78	1442.11	1.9	2.5	6	104	2215	6.99
IE3-355X4-2	500	862	496	819	475	789	455	2980	3576	95.8	95.6	93.8	0.92	0.87	0.78	1602.35	1.7	2.3	5.9	104	2320	7.41
IE3-355X5-2	560	965	556	917	532	884	510	2980	3576	95.8	95.6	93.8	0.92	0.87	0.78	1794.63	1.7	2.3	5.9	104	2426	7.76
IE3-355X1-4	355	624	359	593	344	572	329	1488	1786	96.0	96.1	95.2	0.90	0.86	0.77	2278.39	2	2.8	6.8	102	2153	10.75
IE3-355X2-4	400	703	405	668	387	644	371	1488	1786	96.0	96.1	95.2	0.90	0.86	0.77	2567.20	2.1	2.9	7.1	102	2256	11.94
IE3-355X3-4	450	791	456	752	436	725	418	1489	1787	96.0	96.1	95.2	0.90	0.86	0.77	2886.17	2.3	3	7.5	102	2400	13.62
IE3-355X4-4	500	879	506	835	484	805	464	1489	1787	96.0	96.1	95.2	0.90	0.86	0.77	3206.85	1.9	2.5	6.2	102	2515	14.81
IE3-355X5-4	560	985	567	936	542	902	520	1489	1787	96.0	96.1	95.2	0.90	0.86	0.77	3591.67	2.1	2.7	7.4	102	2685	15.76
IE3-355X1-6	250	461	265	438	254	422	243	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	2406.75	2	2.5	6.5	98	2220	15.17
IE3-355X2-6	280	516	297	491	284	473	273	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	2695.56	2	2.5	6.5	98	2345	16.02
IE3-355X3-6	315	581	334	552	320	532	307	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	3032.51	2.1	2.6	7	98	2470	16.97
IE3-355X4-6	355	655	377	622	361	599	346	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	3417.59	2	2.5	6.5	98	2595	18.73
IE3-355X5-6	400	738	425	701	406	675	389	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	3850.81	1.9	2.4	6.3	98	2720	20.48
IE3-355X1-8	220	431	248	409	237	395	227	743	892	94.6	94.3	93.4	0.82	0.78	0.70	2827.73	1.6	2	4.8	95	2443	16.97
IE3-355X2-8	250	490	282	465	270	448	258	743	892	94.6	94.3	93.4	0.82	0.78	0.70	3213.32	1.6	2.1	5	95	2503	17.85
IE3-355X3-8	280	548	316	521	302	502	289	743	892	94.6	94.3	93.4	0.82	0.78	0.70	3598.92	1.6	2.1	5	95	2606	20.19
IE3-355X4-8	315	617	355	586	340	565	326	743	892	94.6	94.3	93.4	0.82	0.78	0.70	4048.79	1.5	1.9	4.7	95	2692	20.48
IE3-355X5-8	355	695	400	661	383	637	367	743	892	94.6	94.3	93.4	0.82	0.78	0.70	4562.92	1.5	1.9	4.7	95	2881	23.11
IE4-355X1-2	355	621	358	590	342	569	328	2980	3576	96.5	96.3	95.2	0.90	0.86	0.77	1137.67	1.7	2.4	5.7	104	2135	6.43
IE4-355X2-2	400	700	403	665	385	641	369	2980	3576	96.5	96.3	95.2	0.90	0.86	0.77	1281.88	2.3	3	7.3	104	2215	6.99
IE4-355X3-2	450	787	453	748	434	721	415	2980	3576	96.5	96.3	95.2	0.90	0.86	0.77	1442.11	1.9	2.5	6	104	2320	7.41
IE4-355X4-2	500	875	504	831	482	801	462	2980	3576	96.5	96.3	95.2	0.90	0.86	0.77	1602.35	1.7	2.3	5.9	104	2426	7.76
IE4-355X5-2	560	980	564	931	540	897	517	2980	3576	96.5	96.3	95.2	0.90	0.86	0.77	1794.63	1.7	2.3	5.9	104	2573	8.03
IE4-355X1-4	355	634	365	602	349	580	335	1488	1786	96.7	96.5	95.4	0.88	0.84	0.75	2278.39	2	2.8	6.8	102	2256	11.94
IE4-355X2-4	400	714	411	678	393	654	377	1488	1786	96.7	96.5	95.4	0.88	0.84	0.75	2567.20	2.1	2.9	7.1	102	2400	13.62
IE4-355X3-4	450	803	463	763	442	736	424	1489	1787	96.7	96.5	95.4	0.88	0.84	0.75	2886.17	2.3	3	7.5	102	2515	14.81
IE4-355X4-4	500	893	514	848	492	817	471	1489	1787	96.7	96.5	95.4	0.88	0.84	0.75	3206.85	1.9	2.5	6.2	102	2685	15.76
IE4-355X5-4	560	1000	576	950	551	916	528	1489	1787	96.7	96.5	95.4	0.88	0.84	0.75	3591.67	2.1	2.7	7.4	102	2796	16.41
IE4-355X1-6	250	457	263	434	252	419	241	992	1190	96.6	96.4	95.3	0.86	0.82	0.73	2406.75	2	2.5	6.5	98	2394	16.02
IE4-355X2-6	280	512	295	486	282	469	270	992	1190	96.6	96.4	95.3	0.86	0.82	0.73	2695.56	2	2.5	6.5	98	2506	16.97
IE4-355X3-6	315	576	332	547	317	528	304	992	1190	96.6	96.4	95.3	0.86	0.82	0.73	3032.51	2.1	2.6	7	98	2595	18.73
IE4-355X4-6	355	649	374	617	358	595	343	992	1190	96.6	96.4	95.3	0.86	0.82	0.73	3417.59	2	2.5	6.5	98	2720	20.48
IE4-355X5-6	400	732	421	695	403	670	386	992	1190	96.6	96.4	95.3	0.86	0.82	0.73	3850.81	1.9	2.4	6.3	98	2810	21.22
IE4-355X1-8	220	438	252	416	241	401	231	743	892	95.4	95.2	94.1	0.80	0.76	0.68	2827.73	1.6	2	4.8	95	2503	17.85
IE4-355X2-8	250	498	287	473	274	456	263	743	892	95.4	95.2	94.1	0.80	0.76	0.68	3213.32	1.6	2.1	5	95	2606	20.19
IE4-355X3-8	280	557	321	530	307	510	294	743	892	95.4	95.2	94.1	0.80	0.76	0.68	3598.92	1.6	2.1	5	95	2692	20.48
IE4-355X4-8	315	627	361	596	345	574	331	743	892	95.4	95.2	94.1	0.80	0.76	0.68	4048.79	1.5	1.9	4.7	95	2881	23.11
IE4-355X5-8	355	707	407	671	389	647	373	743	892	95.4	95.2	94.1	0.80	0.76	0.68	4562.92	1.5	1.9	4.7	95	3012	23.95

355X

Technical data (at 50Hz)

Motor Type	Power (kW)	Current (A)						Speed 50Hz (r/min)	Speed 60Hz (r/min)	Eff. η%			P.F. cos φ			Torque (N.m)	Tst Tn	Tmax Tn	Ist In	Noise dB (A) no load	Weight (kg)	Inertia (kg·m²)
		380V	660V	400V	690V	415V	720V			100%	75%	50%	100%	75%	50%							
IE3-400X1-2	355	626	360	594	345	573	330	2985	3582	95.8	95.5	93.7	0.90	0.86	0.77	1135.76	1.6	2.1	6.6	108	2435	5.88
IE3-400X2-2	400	705	406	670	388	645	372	2985	3582	95.8	95.5	93.7	0.90	0.86	0.77	1279.73	1.7	2.2	6.8	108	2587	7.09
IE3-400X3-2	450	793	457	753	437	726	419	2985	3582	95.8	95.5	93.7	0.90	0.86	0.77	1439.70	2.2	2.8	7	108	2756	8.43
IE3-400X4-2	500	881	507	837	485	807	465	2985	3582	95.8	95.5	93.7	0.90	0.86	0.77	1599.66	1.8	2.3	5.6	108	2886	9.49
IE3-400X5-2	560	987	568	938	543	904	521	2985	3582	95.8	95.5	93.7	0.90	0.86	0.77	1791.62	1.5	2	4.6	108	2997	10.33
IE3-400X6-2	630	1110	639	1055	611	1017	586	2985	3582	95.8	95.5	93.7	0.90	0.86	0.77	2015.58	1.6	2.1	4.8	108	3225	12.18
IE3-400X1-4	355	624	359	593	344	572	329	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	2275.34	2	3	7.4	105	2360	11.31
IE3-400X2-4	400	703	405	668	387	644	371	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	2563.76	2.4	3.1	7.6	105	2465	12.16
IE3-400X3-4	450	791	456	752	436	725	418	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	2884.23	2.3	3	7.5	105	2600	14.62
IE3-400X4-4	500	879	506	835	484	805	464	1489	1787	96.0	96.1	95.2	0.90	0.86	0.77	3206.85	2.1	3.1	8	105	3002	19.01
IE3-400X5-4	560	985	567	936	542	902	520	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	3589.26	2.2	3.2	8.3	105	3213	22.18
IE3-400X6-4	630	1108	638	1052	610	1014	585	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	4037.92	2	3	7.4	105	3324	23.11
IE3-400X7-4	710	1249	719	1186	688	1143	659	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	4550.67	2.3	2.9	7.9	105	3510	23.76
IE3-400X7-4	750	1319	759	1253	726	1208	696	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	4807.05	2.2	2.7	7.8	105	3625	26.14
IE3-400X8-4	800	1407	810	1336	775	1288	742	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	5127.52	2.1	2.7	7.5	105	3675	27.26
IE3-400X9-4	900	1583	911	1504	872	1449	835	1490	1788	96.0	96.1	95.2	0.90	0.86	0.77	5768.46	1.8	2.4	7.3	105	3862	28.02
IE3-400X1-6	280	516	297	491	284	473	273	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	2695.56	2	2.6	6.2	95	2412	16.12
IE3-400X2-6	315	581	334	552	320	532	307	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	3032.51	2.3	2.8	7.4	95	2510	17.91
IE3-400X3-6	355	655	377	622	361	599	346	992	1190	95.8	95.6	94.6	0.86	0.82	0.73	3417.59	2.5	2.7	6.9	95	2700	21.02
IE3-400X4-6	400	746	430	709	411	683	394	994	1193	95.8	95.6	94.6	0.85	0.81	0.72	3843.06	2.4	3.1	7.3	95	2991	23.32
IE3-400X5-6	450	840	483	798	462	769	443	994	1193	95.8	95.6	94.6	0.85	0.81	0.72	4323.44	2	2.6	6.2	95	3071	24.72
IE3-400X6-6	500	933	537	886	514	854	492	994	1193	95.8	95.6	94.6	0.85	0.81	0.72	4803.82	2.4	3	7.2	95	3256	27.98
IE3-400X7-6	560	1045	602	993	575	957	551	994	1193	95.8	95.6	94.6	0.85	0.81	0.72	5380.28	2.4	3	7.2	95	3438	31.24
IE3-400X8-6	630	1176	677	1117	647	1076	620	994	1193	95.8	95.6	94.6	0.85	0.81	0.72	6052.82	2	2.5	6.1	95	3610	33.11
IE3-400X9-6	710	1325	763	1259	730	1213	699	994	1193	95.8	95.6	94.6	0.85	0.81	0.72	6821.43	2	2.5	6.1	95	3782	34.98
IE3-400X1-8	250	521	300	495	287	477	275	744	893	94.6	94.3	93.4	0.77	0.73	0.65	3209.01	2	3.7	7.3	94	2990	26.82
IE3-400X2-8	280	584	336	555	322	535	308	744	893	94.6	94.3	93.4	0.77	0.73	0.65	3594.09	2	3.7	7.3	94	3102	30.55
IE3-400X3-8	315	657	378	624	362	602	347	744	893	94.6	94.3	93.4	0.77	0.73	0.65	4043.35	2	3.7	7.3	94	3102	33.28
IE3-400X4-8	355	740	426	703	408	678	391	744	893	94.6	94.3	93.4	0.77	0.73	0.65	4556.79	1.8	3.5	6.9	94	3230	37.11
IE3-400X5-8	400	824	474	782	454	754	435	744	893	94.6	94.3	93.4	0.78	0.74	0.66	5134.41	2	3.7	7.2	94	3410	39.82
IE3-400X6-8	450	927	534	880	510	848	489	744	893	94.6	94.3	93.4	0.78	0.74	0.66	5776.21	1.9	3.6	7	94	3543	42.54
IE3-400X7-8	500	1030	593	978	567	943	543	744	893	94.6	94.3	93.4	0.78	0.74	0.66	6418.01	1.9	3.6	7	94	3676	43.23
IE4-400X1-2	355	621	358	590	342	569	328	2985	3582	96.5	96.3	95.2	0.90	0.86	0.77	1135.76	1.6	2.1	6.6	108	2587	7.09
IE4-400X2-2	400	700	403	665	385	641	369	2985	3582	96.5	96.3	95.2	0.90	0.86	0.77	1279.73	1.7	2.2	6.8	108	2756	8.43
IE4-400X3-2	450	787	453	748	434	721	415	2985	3582	96.5	96.3	95.2	0.90	0.86	0.77	1439.70	2.2	2.8	7	108	2886	9.49
IE4-400X4-2	500	875	504	831	482	801	462	2985	3582	96.5	96.3	95.2	0.90	0.86	0.77	1599.66	1.8	2.3	5.6	108	2997	10.33
IE4-400X5-2	560	980	564	931	540	897	517	2985	3582	96.5	96.3	95.2	0.90	0.86	0.77	1791.62	1.5	2	4.6	108	3225	12.18
IE4-400X6-2	630	1102	635	1047	607	1009	582	2985	3582	96.5	96.3	95.2	0.90	0.86	0.77	2015.58	1.6	2.1	4.8	108	3342	13.16
IE4-400X1-4	355	620	357	589	341	567	327	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	2275.34	2	3	7.4	105	2465	12.16
IE4-400X2-4	400	698	402	663	385	639	369	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	2563.76	2.4	3.1	7.6	105	2600	14.62
IE4-400X3-4	450	786	452	746	433	719	415	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	2884.23	2.3	3	7.5	105	3002	19.01
IE4-400X4-4	500	873	503	829	481	799	461	1489	1787	96.7	96.5	95.4	0.90	0.86	0.77	3206.85	2.1	3.1	8	105	3213	22.18
IE4-400X5-4	560	978	563	929	538	895	516	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	3589.26	2.2	3.2	8.3	105	3324	23.11
IE4-400X6-4	630	1100	633	1045	606	1007	580	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	4037.92	2	3	7.4	105	3510	23.76
IE4-400X7-4	710	1240	714	1178	683	1135	654	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	4550.67	2.3	2.9	7.9	105	3625	26.14
IE4-400X7-4	750	1309	754	1244	721	1199	691	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	4807.05	2.2	2.7	7.8	105	3675	27.26
IE4-400X8-4	800	1397	804	1327	769	1279	737	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	5127.52	2.1	2.7	7.5	105	3862	28.02
IE4-400X9-4	900	1571	905	1493	865	1439	829	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	5768.46	1.8	2.4	7.3	105	3996	29.05
IE4-400X1-6	280	513	295	487	282	469	271	992	1190	96.5	96.3	95.2	0.86	0.82	0.73	2695.56	2	2.6	6.2	95	2510	17.91
IE4-400X2-6	315	576	332	547	317	528	304	992	1190	96.6	96.4	95.3	0.86	0.82	0.73	3032.51	2.3	2.8	7.4	95	2700	21.02
IE4-400X3-6	355	649	374	617	358	595	343	992	1190	96.6	96.4	95.3	0.86	0.82	0.73	3417.59	2.5	2.7	6.9	95	2991	23.32
IE4-400X4-6	400	740	426	703	408	678	391	994	1193	96.6	96.4	95.3	0.85	0.81	0.72	3843.06	2.4	3.1	7.3	95	3071	24.72
IE4-400X5-6	450	833	479	791	459	762	439	994	1193	96.6	96.4	95.3	0.85	0.81	0.72	4323.44	2	2.6	6.2	95	3256	27.98
IE4-400X6-6	500	925	533	879	510	847	488	994	1193	96.6	96.4	95.3	0.85	0.81	0.72	4803.82	2.4	3	7.2	95	3438	31.24
IE4-400X7-6	560	1036	597	984	571	949	547	994	1193	96.6	96.4	95.3	0.85	0.81	0.72	5380.28	2.4	3	7.2	95	3610	33.11
IE4-400X8-6	630	1166	671	1107	642	1067	615	994	1193	96.6	96.4	95.3	0.85	0.81	0.72	6052.82	2	2.5	6.1	95	3782	34.98
IE4-400X9-6	710	1314	756	1248	724	1203	693	994	1193	96.6	96.4	95.3	0.85	0.81	0.72	6821.43	2	2.5	6.1	95	3918	35.67
IE4-400X1-8	250	517	298	491	285	473	273	744	893	95.4	95.2	94.1	0.77	0.73	0.65	3209.01	2	3.7	7.3	94	3102	30.55
IE4-400X2-8	280	579	333	550	319	530	306	744	893	95.4	95.2	94.1	0.77	0.73	0.65	3594.09	2	3.7	7.3	94	3102	33.28
IE4-400X3-8	315	652	375	619	359	597	344	744	893	95.4	95.2	94.1	0.77	0.73	0.65	4043.35	2	3.7	7.3	94	3230	37.11
IE4-400X4-8	355	734	423	698	404	672	388	744	893	95.4	95.2	94.1	0.77	0.73	0.65	4556.79	1.8	3.5	6.9	94	3410	39.82
IE4-400X5-8	400	817	470	776	450	748	431	744	893	95.4	95.2	94.1	0.78	0.74	0.66	5134.41	2	3.7	7.2	94	3543	42.54
IE4-400X6-8	450	919	529	873	506	841	485	744	893	95.4	95.2	94.1	0.78	0.74	0.66	5776.21	1.9	3.6	7	94	3676	43.23
IE4-400X7-8	500	1021	588	970	562	935	539	744	893	95.4	95.2	94.1	0.78	0.74	0.66	6418.01	1.9	3.6	7	94	3817	44.19

400X

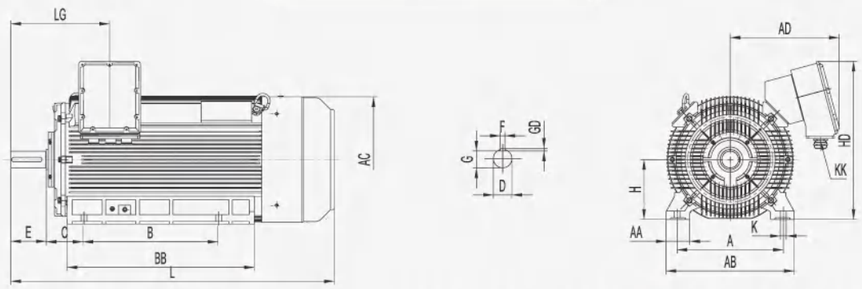
Technical data (at 50Hz)

Motor Type	Power (kW)	Current (A)						Speed 50Hz (r/min)	Speed 60Hz (r/min)	Eff. η%			P.F. cos φ			Torque (N.m)	Tst Tn	Tmax Tn	Ist In	Noise dB (A) no load	Weight (kg)	Inertia (kg·m²)
		380V	660V	400V	690V	415V	720V			100%	75%	50%	100%	75%	50%							
IE3-450X1-4	560	984	566	935	542	901	519	1490	1788	96.1	96.2	95.3	0.90	0.86	0.77	3589.26	1.8	2.5	6.4	108	3498	19.22
IE3-450X2-4	630	1107	637	1051	610	1013	584	1490	1788	96.1	96.2	95.3	0.90	0.86	0.77	4037.92	1.7	2.4	6.2	108	3697	20.87
IE3-450X3-4	710	1247	718	1185	687	1142	658	1490	1788	96.1	96.2	95.3	0.90	0.86	0.77	4550.67	1.5	2.1	5	108	3798	22.32
IE3-450X4-4	750	1318	759	1252	726	1206	695	1490	1788	96.1	96.2	95.3	0.90	0.86	0.77	4807.05	1.8	2.4	6.2	108	3963	24.75
IE3-450X5-4	800	1405	809	1335	774	1287	742	1490	1788	96.1	96.2	95.3	0.90	0.86	0.77	5127.52	2.2	2.8	7.4	108	4267	29.12
IE3-450X6-4	900	1581	910	1502	871	1448	834	1490	1788	96.1	96.2	95.3	0.90	0.86	0.77	5768.46	1.7	2.3	6	108	4475	32.03
IE3-450X7-4	1000	1757	1011	1669	967	1609	927	1490	1788	96.1	96.2	95.3	0.90	0.86	0.77	6409.40	1.5	2.1	5	108	4642	34.45
IE3-450X1-6	450	819	472	779	451	750	433	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	4323.44	2.1	2.3	6.3	105	3816	37.41
IE3-450X2-6	500	911	524	865	501	834	481	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	4803.82	2.1	2.3	6.3	105	3925	38.96
IE3-450X3-6	560	1020	587	969	562	934	538	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	5380.28	2	2.2	6.2	105	4066	40.36
IE3-450X4-6	630	1147	661	1090	632	1051	606	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	6052.82	2	2.2	6.2	105	4234	44.03
IE3-450X5-6	710	1293	744	1228	712	1184	682	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	6821.43	2.1	2.3	6.3	105	4434	48.43
IE3-450X6-6	750	1366	786	1298	752	1251	721	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	7205.73	2.4	2.5	7	105	4627	52.83
IE3-450X7-6	800	1457	839	1384	802	1334	769	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	7686.12	2	2.2	6.1	105	4797	56.5
IE3-450X8-6	850	1548	891	1471	852	1417	817	994	1193	95.9	95.7	94.7	0.87	0.83	0.74	8166.50	1.7	2	6	105	5150	59.7
IE3-450X9-6	900	1639	944	1557	903	1501	865	993	1192	95.9	95.7	94.7	0.87	0.83	0.74	8655.59	1.9	2.1	5.9	105	5335	62.1
IE3-450X1-8	355	713	410	677	393	653	376	744	893	94.6	94.3	93.4	0.80	0.76	0.68	4556.79	1.7	2.0	5.7	99	3717	34.49
IE3-450X2-8	400	802	462	762	442	735	423	744	893	94.7	94.4	93.5	0.80	0.76	0.68	5134.41	1.6	2	4.7	99	3877	37.62
IE3-450X3-8	450	891	513	847	491	816	470	744	893	94.7	94.4	93.5	0.81	0.77	0.69	5776.21	1.6	1.9	4.6	99	4046	40.36
IE3-450X4-8	500	990	570	941	545	907	523	744	893	94.7	94.4	93.5	0.81	0.77	0.69	6418.01	1.6	1.8	4.5	99	4215	44.03
IE3-450X5-8	560	1109	639	1054	611	1016	585	744	893	94.7	94.4	93.5	0.81	0.77	0.69	7188.17	1.6	1.8	4.5	99	4412	48.43
IE3-450X6-8	630	1248	718	1185	687	1143	659	744	893	94.7	94.4	93.5	0.81	0.77	0.69	8086.69	1.5	1.7	4.2	99	4615	52.83
IE3-450X7-8	710	1406	810	1336	775	1288	742	744	893	94.7	94.4	93.5	0.81	0.77	0.69	9113.58	1.5	1.7	4	99	4808	57.23
IE4-450X1-4	560	989	569	939	544	905	522	1490	1788	96.7	96.5	95.4	0.89	0.85	0.76	3589.26	1.8	2.5	6.4	108	3697	20.87
IE4-450X2-4	630	1112	640	1057	613	1018	587	1490	1788	96.7	96.5	95.4	0.89	0.85	0.76	4037.92	1.7	2.4	6.2	108	3798	22.32
IE4-450X3-4	710	1253	722	1191	690	1148	662	1490	1788	96.7	96.5	95.4	0.89	0.85	0.76	4550.67	1.5	2.1	5	108	3963	24.75
IE4-450X4-4	750	1324	762	1258	729	1212	699	1490	1788	96.7	96.5	95.4	0.89	0.85	0.76	4807.05	1.8	2.4	6.2	108	4267	29.12
IE4-450X5-4	800	1397	804	1327	769	1279	737	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	5127.52	2.2	2.8	7.4	108	4475	32.03
IE4-450X6-4	900	1571	905	1493	865	1439	829	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	5768.46	1.7	2.3	6	108	4642	34.45
IE4-450X7-4	1000	1746	1005	1659	961	1599	921	1490	1788	96.7	96.5	95.4	0.90	0.86	0.77	6409.40	1.5	2.1	5	108	4792	36.18
IE4-450X1-6	450	853	491	810	470	781	450	994	1193	96.6	96.4	95.3	0.83	0.79	0.71	4323.44	2.1	2.3	6.3	105	3925	38.96
IE4-450X2-6	500	948	546	900	522	868	500	994	1193	96.6	96.4	95.3	0.83	0.79	0.71	4803.82	2.1	2.3	6.3	105	4066	40.36
IE4-450X3-6	560	1049	604	996	577	960	553	994	1193	96.6	96.4	95.3	0.84	0.8	0.71	5380.28	2	2.2	6.2	105	4234	44.03
IE4-450X4-6	630	1180	679	1121	650	1080	623	994	1193	96.6	96.4	95.3	0.84	0.8	0.71	6052.82	2	2.2	6.2	105	4434	48.43
IE4-450X5-6	710	1329	765	1263	732	1217	702	994	1193	96.6	96.4	95.3	0.84	0.8	0.71	6821.43	2.1	2.3	6.3	105	4627	52.83
IE4-450X6-6	750	1404	809	1334	773	1286	741	994	1193	96.6	96.4	95.3	0.84	0.8	0.71	7205.73	2.4	2.5	7	105	4797	56.5
IE4-450X7-6	800	1498	862	1423	825	1372	791	994	1193	96.6	96.4	95.3	0.84	0.8	0.71	7686.12	2	2.2	6.1	105	5150	59.7
IE4-450X8-6	850	1592	916	1512	877	1457	840	994	1193	96.6	96.4	95.3	0.84	0.8	0.71	8166.50	1.7	2	6	105	5335	62.1
IE4-450X9-6	900	1685	970	1601	928	1543	889	993	1192	96.6	96.4	95.3	0.84	0.8	0.71	8655.59	1.9	2.1	5.9	105	5502	64.23
IE4-450X1-8	355	707	407	671	389	647	373	744	893	95.4	95.2	94.1	0.80	0.76	0.68	4556.79	1.7	2.0	5.7	99	3877	37.62
IE4-450X2-8	400	796	458	757	439	729	420	744	893	95.4	95.2	94.1	0.80	0.76	0.68	5134.41	1.6	2	4.7	99	4046	40.36
IE4-450X3-8	450	885	509	841	487	810	467	744	893	95.4	95.2	94.1	0.81	0.77	0.69	5776.21	1.6	1.9	4.6	99	4215	44.03
IE4-450X4-8	500	983	566	934	541	900	519	744	893	95.4	95.2	94.1	0.81	0.77	0.69	6418.01	1.6	1.8	4.5	99	4412	48.43
IE4-450X5-8	560	1101	634	1046	606	1008	581	744	893	95.4	95.2	94.1	0.81	0.77	0.69	7188.17	1.6	1.8	4.5	99	4615	52.83
IE4-450X6-8	630	1239	713	1177	682	1134	654	744	893	95.4	95.2	94.1	0.81	0.77	0.69	8086.69	1.5	1.7	4.2	99	4808	57.23
IE4-450X7-8	710	1396	804	1326	769	1278	737	744	893	95.4	95.2	94.1	0.81	0.77	0.69	9113.58	1.5	1.7	4	99	4978	58.99

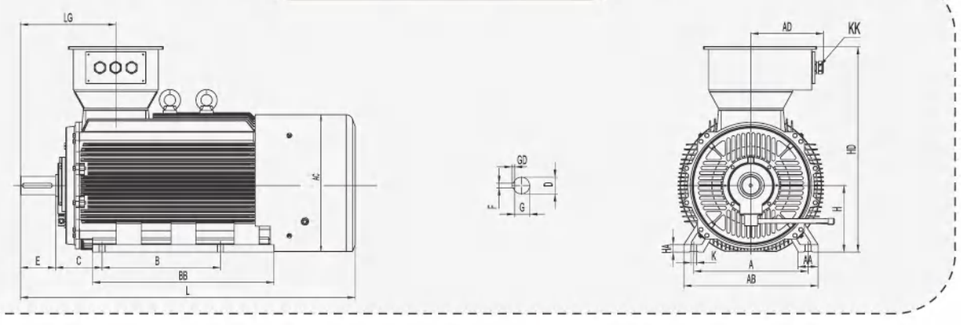
450X

B3

335X



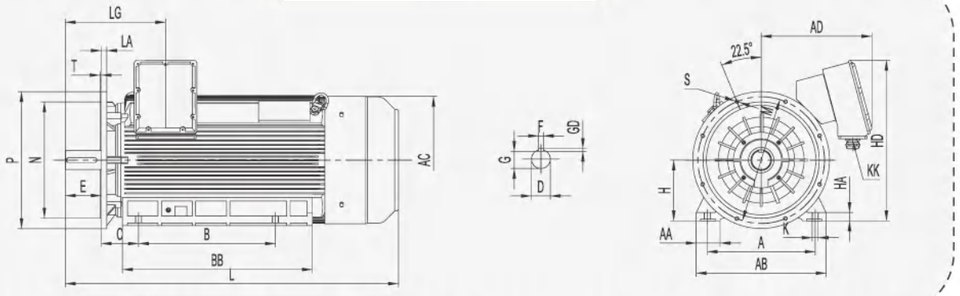
400X-450X



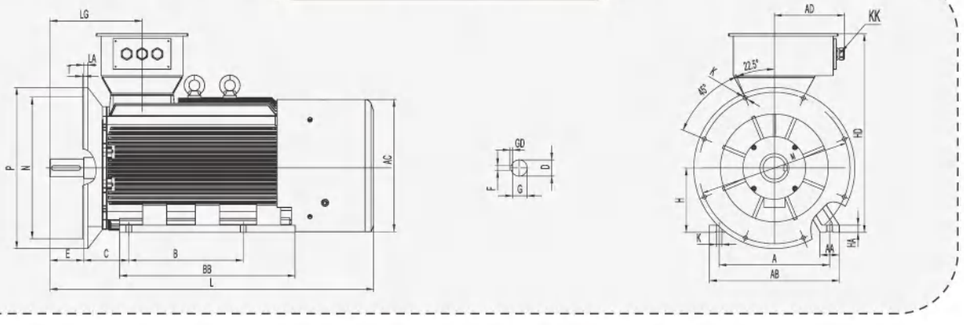
Frame size	A	B	C	D	E	F	G	GD	H	K	AA	AB	AC	BB	HA	AD	HD	L	LG	KK
355X-2	630	800	224	75	140	20	67.5	12	355	35	140	760	755	1110	49	700	990	1860	516	3-M63X1.5
355X-4-6-8	630	800	224	100	210	28	90	16	355	35	140	760	755	1110	49	700	990	1930	586	3-M63X1.5
400X-2	686	630/710	280	80	170	22	71	14	400	35	120	806	860	1090	45	550	1260	1970	532	3-M63X1.5
400X-4-6-8	686	630/710	280	110	210	28	100	16	400	35	120	806	860	1090	45	550	1260	2010	572	3-M63X1.5
450X-2	800	1000	280	95	170	25	86	14	450	42	225	990	1040	1500	52	550	1450	2440	580	3-M63X1.5
450X-4-6-8	800	1000	280	130	210	32	119	18	450	42	225	990	1040	1500	52	550	1450	2480	620	3-M63X1.5

B35

335X



400X-450X



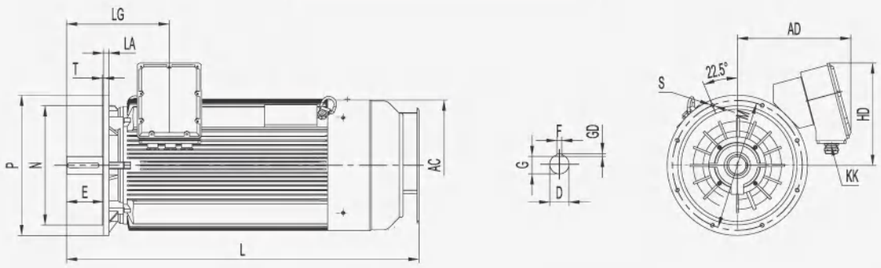
Frame size	A	B	C	D	E	F	G	GD	H	K	M	N	P	S	T	AA	AB	AC	BB	HA	AD	HD	L	LA	LG	KK
355X-2	630	800	224	75	140	20	67.5	12	355	35	740	680	800	24	6	140	760	745	1110	49	700	990	1860	25	516	3-M63X1.5
355X-4-6-8	630	800	224	100	210	28	90	16	355	35	740	680	800	24	6	140	760	745	1110	49	700	990	1930	25	586	3-M63X1.5
400X-2	686	630/710	280	80	170	22	71	14	400	35	940	880	1000	28	6	120	806	850	1090	45	550	1260	1970	25	532	3-M63X1.5
400X-4-6-8	686	630/710	280	110	210	28	100	16	400	35	940	880	1000	28	6	120	806	850	1090	45	550	1260	2010	25	572	3-M63X1.5
450X-2	800	1000	280	95	170	25	86	14	450	42	940	880	1000	28	6	225	990	1030	1500	52	550	1450	2440	30	580	3-M63X1.5
450X-4-6-8	800	1000	280	130	210	32	119	18	450	42	940	880	1000	28	6	225	990	1030	1500	52	550	1450	2480	30	620	3-M63X1.5

IE3/IE4 high output motors

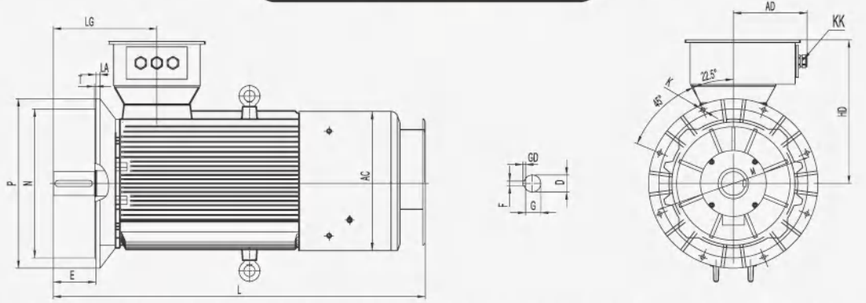
Dimension drawings

V1

355X



400X-450X



Frame size	D	E	F	G	GD	H	M	N	P	S	T	AC	AD	HD	L	LA	LG	KK
355X-2	75	140	20	67.5	12	355	740	680	800	24	6	745	700	635	1980	25	516	3-M63X1.5
355X-4-6-8	100	210	28	90	16	355	740	680	800	24	6	745	700	635	2050	25	586	3-M63X1.5
400X-2	80	170	22	71	14	400	940	880	1000	28	6	850	550	860	2090	25	532	3-M63X1.5
400X-4-6-8	110	210	28	100	16	400	940	880	1000	28	6	850	550	860	2130	25	572	3-M63X1.5
450X-2	95	170	25	86	14	450	940	880	1000	28	6	1030	550	1000	2560	30	580	3-M63X1.5
450X-4-6-8	130	210	32	119	18	450	940	880	1000	28	6	1030	550	1000	2600	30	620	3-M63X1.5

Next

ORDERING INFORMATION

When placing an order, please provide the rated data of the required product, including model, power, voltage, speed, insulation class, protection class, and installation type. The following motors can be designed and customized according to customer's request:

1. Motors with different voltage, frequency, and power;
2. Motors with special installation dimensions, double extension shaft, and special shaft;
3. High-temperature and low-temperature resistant motors;
4. Motors for high-altitude and outdoor use;
5. Various compact and increased power motors and motors with different service factor;
6. Motors equipped with heaters, bearing temperature sensors, winding temperature sensors, and thermal protection switches;
7. Motors with photoelectric encoders, insulated bearings, or insulated bearing structures;
8. Other motors with various special requirements.

This catalogue is for reference only.
Any changes in specific data will not be notified separately.

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