

FUXING
MOTOR



Company profile

Fuxing Electric Motor Co.LTD is located in Rongcheng Xiazhuang Industrial Park. Fuxing motor was founded in 2000, after 15 years of development, Fuxing has been a professional electric motor manufacturer and supplier, with its own research & development, production, marketing as well as service teams. At present, we have more than 180 employees. Fuxing motor has a strong research and development strength, modern production and processing, assembly lines, perfect testing equipment, scientific production process layout, strict on-site management and quality examination system. Our products cover 8 series and more than 300 sizes, such as IE3 series premium efficiency three phase induction motor, IE2 series high efficiency three phase induction motor, HM series standard efficiency three phase induction motor, YVF2 series variable frequency three phase induction motor, YT series Fan motor, YD series Multi-Speed three phase induction motor, IEJ series electromagnetic braking three phase induction motor, Ms series cast-aluminum three phase induction motor, Y3 Series low voltage large power three phase induction motor. Now, we have obtained ISO9001-2008 quality certificate, CE certificate and CCC certificate. Our Products are widely used in machine tool, fans, pumps, compressors, packaging machinery, mining machinery, construction machinery, food machinery and other mechanical transmission devices. What's more, our motors were widely exported to Southeast Asia, EU, Middle East, South America and Africa Etc. Fuxing Motor sincerely welcomes all friends from all walks of life, your development is our goal. Fuxing Motor will also provide the best products and excellent services for all friends and partners.



CONTENT

IE2 series Three-phase Asynchronous Motor

IE3 series Three-phase Asynchronous Motor

IE4 series Three-phase Asynchronous Motor

YS/MS series square aluminum shell three-phase asynchronous motor

YVF2 series convertor-Fed Three-phase Induction Motor

YBX3 series High Efficiency Flameproof Three-phase Asynchronous Motor

YFB3 series dust explosion-proof high efficiency three-phase asynchronous motor

YBBP series Flameproof variable Frequency Adjustable-speed Three-phase Asynchronous Motors

▶ IE2 series Three-phase Asynchronous Motor



◆ Product Introduction

IE2 series three-phase asynchronous motor is in line with the third efficiency standard in the provisions of GB18613-2012 "Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors". Meanwhile, IE2 efficiency standard is also satisfied in the provisions of EC 60034-30-1:2014.

Improvement on design of efficiency is in line with the state's requirements on the energy saving and consumption reducing of the manufacturing sector. IE2 series motors with the mounting dimension in accordance with standard EC60034, it has good features like optimum structure, attractive appearance, low noise, high efficiency, high protection class as well as high insulation class. IE2 series motors can be widely used in various kinds of general use machineries like fans, pumps, machine tools, compressors, transportation and so on, and can also be used in the hazardous areas with oil and chemical, steel plants, mining industry.

◆ Specification

◆ Site conditions

IE2 series motors are suitable for almost all applications and operate satisfactorily at temperature from -15°C to +40°C and the altitude is not more than 1000 meters.

◆ Temperature and insulation

155(F) class insulation system and temperature rise class B (80K) are adopted to the motor, which increase the motor useful life and reliability.

◆ Cooling and Ventilation

The standard cooling method is Totally closed Fan cooled (TEFC) in accordance with IC411 of IEC 60034-6. Standard motors are equipped with centrifugal plastic fans.

◆ Protection class

The standard protection degree of motor is IP55, which makes moist and dusty condition also allowable. Higher degree of protection is also available according to customer's requirement.

◆ Motor protection

The protection and measurement equipment to winding and bearing such as PTC, PT100 are available on request.

◆ Voltage and frequency

Standard voltage and frequency is 380V/50Hz, 200-660V special value on voltage and frequency is available on request. The motors will operate satisfactorily with variations of $\pm 5\%$ from the rated voltage.

◆ Terminal box location

Terminal box at the top or right off frame is the standard IE3 motor.

◆ Quality assurance

Stringent quality procedures are observed from first design to finished products in accordance with ISO9001 documented quality systems.

Technical Data

2pole-3000rpm synchronous speed 50HZ

Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE2-80M1-2	0.75	2855	1.8	1.7	1.6	1.3	77.4%	0.82	2.5	62	15
IE2-80M2-2	1.1	2855	2.5	2.4	2.3	1.8	79.6%	0.83	3.7	62	18
IE2-90S-2	1.5	2875	3.3	3.2	3.1	2.4	81.3%	0.84	5.0	67	24
IE2-90L-2	2.2	2875	4.7	4.5	4.3	3.4	83.2%	0.85	7.3	67	28
IE2-100L-2	3	2880	6.2	5.9	5.7	4.5	84.6%	0.87	9.9	74	38
IE2-112M-2	4	2900	8.0	7.6	7.4	5.8	85.8%	0.88	13.2	77	42
IE2-132S1-2	5.5	2900	10.9	10.4	10.0	7.9	87.0%	0.88	18.1	79	70
IE2-132S2-2	7.5	2900	14.5	13.8	13.3	10.5	88.1%	0.89	24.7	79	68
IE2-160M1-2	11	2940	21.0	20.0	19.2	15.2	89.4%	0.89	35.7	81	108
IE2-160M2-2	15	2940	28.4	26.9	26.0	20.5	90.3%	0.89	48.7	81	122
IE2-160L-2	18.5	2940	34.7	33.0	31.8	25.1	90.9%	0.89	60.1	81	136
IE2-180M-2	22	2955	41.1	39.1	37.7	29.8	91.3%	0.89	71.1	83	172
IE2-200L1-2	30	2965	55.7	52.9	51.0	40.3	92.0%	0.89	96.6	84	234
IE2-200L2-2	37	2965	68.3	64.9	62.5	49.4	92.5%	0.89	119.2	84	242
IE2-225M-2	45	2970	82.7	78.6	75.7	59.9	92.9%	0.89	144.7	86	315
IE2-250M-2	55	2975	100.7	95.7	92.2	72.9	93.2%	0.89	176.6	89	394
IE2-280S-2	75	2975	136.5	129.7	125.0	98.8	93.8%	0.89	240.8	91	520
IE2-280M-2	90	2975	163.3	155.1	149.5	118.2	94.1%	89	288.9	91	596
IE2-315S-2	110	2980	196.9	187.1	180.3	142.5	94.3%	0.9	352.5	92	890
IE2-315M-2	132	2980	235.6	223.8	215.7	170.5	94.6%	0.9	423.0	92	970
IE2-315L1-2	160	2980	281.8	267.7	258.0	204.0	94.8%	0.91	512.8	92	1070
IE2-315L-2	185	2980	325.8	309.5	298.3	235.8	94.8%	0.91	592.9	92	1100
IE2-315L2-2	200	2980	351.5	333.9	321.9	254.4	95.0%	0.91	640.9	92	1040
IE2-355M1-2	220	2980	386.7	367.3	354.0	279.9	95.0%	0.91	705.0	100	1560
IE2-355M2-2	250	2980	439.4	417.4	402.3	318.0	95.0%	0.91	801.2	100	1638
IE2-355L1-2	280	2980	492.1	467.5	450.6	356.2	95.0%	0.91	897.3	100	1720
IE2-355L2-2	315	2980	553.6	525.9	506.9	400.7	95.0%	0.91	1009.5	100	1834
IE2-355I-2	355	2980	623.9	592.7	571.3	451.6	95.0%	0.91	1137.6	104	2150
IE2-355I2-2	375	2980	659.1	626.1	603.5	477.0	95.0%	0.91	1201.7	104	2280

4pole-1500rpm synchronous speed 50HZ

Motor Type	Rated Output (kW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE2-80M2-4	0.75	1400	1.9	1.8	1.7	1.4	79.6%	0.76	5.1	56	16
IE2-90S-4	1.1	1425	2.7	2.5	2.4	1.9	81.4%	0.77	7.4	59	21
IE2-90L-4	1.5	1425	3.5	3.4	3.2	2.6	82.8%	0.78	10.1	59	26
IE2-100L1-4	2.2	1440	5.0	4.7	4.5	3.6	84.3%	0.8	14.6	64	32
IE2-100L2-4	3	1440	6.6	6.3	6.0	4.8	85.5%	0.81	19.9	64	34
IE2-112M-4	4	1450	8.7	8.2	7.9	6.3	86.6%	0.81	26.3	65	46
IE2-132S-4	5.5	1455	11.6	11.0	10.6	8.4	87.7%	0.82	36.1	71	68
IE2-132M-4	7.5	1455	15.5	14.7	14.2	11.2	88.7%	0.83	49.2	71	77
IE2-160M-4	11	1465	22.4	21.3	20.5	16.2	89.8%	0.83	71.7	73	118
IE2-160L-4	15	1465	29.9	28.4	27.4	21.7	90.6%	0.84	97.8	73	134
IE2-180M-4	18.5	1470	36.3	34.4	33.2	26.2	91.2%	0.85	120.2	76	183
IE2-180L-4	22	1475	42.9	40.8	39.3	31.1	91.6%	0.85	142.4	76	215
IE2-200L-4	30	1475	58.1	55.2	53.2	42.1	92.3%	0.85	194.2	76	265
IE2-225S-4	37	1480	70.5	67.0	64.6	51.0	92.7%	0.86	238.8	78	296
IE2-225M-4	45	1480	85.4	81.1	78.2	61.8	93.1%	0.86	290.4	78	328
IE2-250M-4	55	1480	103.9	98.7	95.2	75.2	93.5%	0.86	354.9	79	420
IE2-280S-4	75	1485	139.3	132.4	127.6	100.9	94.0%	0.87	482.3	80	540
IE2-280M-4	90	1485	165.0	156.7	151.0	119.4	94.2%	0.88	578.8	80	622
IE2-315S-4	110	1485	198.7	188.8	182.0	143.8	94.5%	0.89	707.4	88	860
IE2-315M-4	132	1485	238.0	226.1	217.9	172.2	94.7%	0.89	848.9	88	942
IE2-315L1-4	160	1485	284.6	270.4	260.6	206.0	94.9%	0.9	1029.0	88	1018
IE2-315L-4	185	1485	329.1	312.6	301.3	238.2	94.9%	0.9	1189.7	88	1090
IE2-315L2-4	200	1485	355.0	337.3	325.1	257.0	95.1%	0.9	1286.2	88	1158
IE2-355M1-4	220	1490	390.5	371.0	357.6	282.7	95.1%	0.9	1410.1	95	1503
IE2-355M2-4	250	1490	443.8	421.6	406.4	321.2	95.1%	0.9	1602.3	95	1660
IE2-355L1-4	280	1490	497.1	472.2	455.1	359.8	95.1%	0.9	1794.6	95	1758
IE2-355L2-4	315	1490	559.2	531.2	512.0	404.7	95.1%	0.9	2019.0	95	1804
IE2-355L1-4	355	1490	637.3	605.4	583.5	461.3	95.1%	0.9	2275.3	102	2291
IE2-355L2-4	375	1490	680.8	646.8	623.4	492.8	95.1%	0.9	2403.5	102	2376

6pole-1000rpm Synchronous speed50HZ

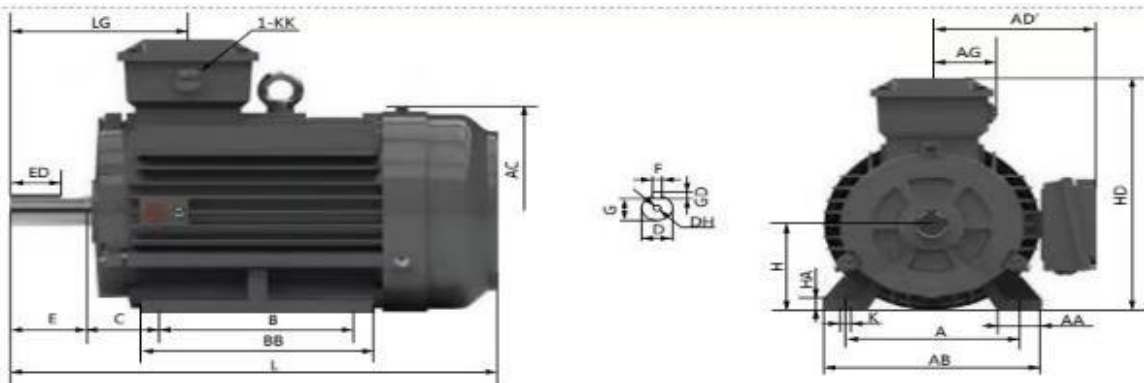
Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE2-90S-6	0.75	935	2.1	2.0	1.9	1.5	75.9%	0.71	7.7	57	24
IE2-90L-6	1.1	940	3.0	2.8	2.7	2.2	78.1%	0.72	11.2	57	26
IE2-100L-6	1.5	945	4.0	3.8	3.6	2.9	79.8%	0.72	15.2	61	31
IE2-112M-6	2.2	950	5.7	5.4	5.2	4.1	81.8%	0.72	22.1	65	40
IE2-132S-6	3	960	7.6	7.2	7.0	5.5	83.3%	0.72	29.8	69	62
IE2-132M1-6	4	960	9.7	9.2	8.9	7.0	84.6%	0.74	39.8	69	66
IE2-132M2-6	5.5	960	13.0	12.3	11.9	9.4	86.0%	0.75	54.7	69	76
IE2-160M-6	7.5	970	16.8	15.9	15.3	12.1	87.2%	0.78	73.8	73	112
IE2-160L-6	11	970	23.9	22.7	21.8	17.3	88.7%	0.79	108.3	73	134
IE2-180L-6	15	975	31.0	29.4	28.4	22.4	89.7%	0.82	146.9	73	182
IE2-200L1-6	18.5	975	38.9	36.9	35.6	28.1	90.4%	0.8	181.2	73	230
IE2-200L2-6	22	975	45.4	43.1	41.6	32.9	90.9%	0.81	215.5	73	240
IE2-225M-6	30	985	60.6	57.6	55.5	43.9	91.7%	0.82	290.9	74	292
IE2-250M-6	37	985	73.5	69.8	67.3	53.2	92.2%	0.83	358.7	76	388
IE2-280S-6	45	985	86.8	82.4	79.5	62.8	92.7%	0.85	436.3	78	490
IE2-280M-6	55	985	104.4	99.2	95.6	75.5	93.1%	0.86	533.2	78	560
IE2-315S-6	75	990	144.8	137.5	132.6	104.8	93.7%	0.84	723.5	83	800
IE2-315M-6	90	990	171.1	162.6	156.7	123.9	94.0%	0.85	868.2	83	920
IE2-315L1-6	110	990	208.5	198.1	190.9	150.9	94.3%	0.85	1061.1	83	1020
IE2-315L2-6	132	990	246.5	234.2	225.7	178.4	94.6%	0.86	1273.3	83	1110
IE2-355M1-6	160	990	298.2	283.3	273.0	215.8	94.8%	0.86	1543.4	85	1554
IE2-355M-6	185	990	344.8	327.5	315.7	249.6	94.8%	0.86	1784.6	85	1600
IE2-355M2-6	200	990	371.9	353.3	340.6	269.2	95.0%	0.86	1929.3	85	1768
IE2-355L1-6	220	990	409.1	388.7	374.6	296.1	95.0%	0.86	2122.2	85	1730
IE2-355L2-6	250	990	464.9	441.7	425.7	336.5	95.0%	0.86	2411.6	85	1810
IE2-355L1-6	280	990	520.7	494.7	476.8	376.9	95.0%	0.86	2701.0	91	2260
IE2-355L2-6	315	990	585.8	556.5	536.4	424.0	95.0%	0.86	3038.6	91	2350

8pole-750rpm synchronous speed 50HZ

Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COS ϕ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE2-100L1-8	0.75	690	2.6	2.4	2.4	1.9	66.2%	0.67	10.4	59	30
IE2-100L2-8	1.1	690	3.4	3.3	3.1	2.5	70.8%	0.69	15.2	59	35
IE2-112M-8	1.5	690	4.4	4.2	4.0	3.2	74.1%	0.70	20.8	61	40
IE2-132S-8	2.2	710	6.1	5.8	5.6	4.4	77.6%	0.71	29.6	64	55
IE2-132M-8	3	710	7.8	7.4	7.1	5.6	80.0%	0.73	40.4	64	65
IE2-160M1-8	4	720	10.2	9.7	9.3	7.4	81.9%	0.73	53.1	68	95
IE2-160M2-8	5.5	720	13.5	12.8	12.3	9.8	83.8%	0.74	73.0	68	115
IE2-160L-8	7.5	720	17.8	16.9	16.3	12.9	85.3%	0.75	99.5	68	125
IE2-180L-8	11	730	25.6	24.4	23.5	18.6	86.9%	0.75	143.9	70	180
IE2-200L-8	15	730	34.1	32.4	31.2	24.7	88.0%	0.76	196.2	73	220
IE2-225S-8	18.5	730	41.7	39.7	38.2	30.2	88.6%	0.76	242.0	73	260
IE2-225M-8	22	740	48.1	45.7	44.0	34.8	89.1%	0.78	283.9	73	290
IE2-250M-8	30	740	64.3	61.0	58.8	46.5	89.8%	0.79	387.2	75	380
IE2-280S-8	37	740	78.8	74.9	72.2	57.0	90.3%	0.79	477.5	76	490
IE2-280M-8	45	740	95.4	90.7	87.4	69.1	90.7%	0.79	580.7	76	530
IE2-315S-8	55	740	113.4	107.7	103.8	82.1	91.0%	0.81	709.8	82	770
IE2-315M-8	75	740	153.6	145.9	140.6	111.2	91.6%	0.81	967.9	82	900
YF2-315L1-8	90	740	181.5	172.4	166.2	131.3	91.9%	0.82	1161.5	82	960
IE2-315L2-8	110	740	220.8	209.8	202.2	159.8	92.3%	0.82	1419.6	82	1060
IE2-355M1-8	132	740	264.1	251.0	241.9	191.2	92.6%	0.82	1704	89	1556
IE2-355M2-8	160	740	318.8	302.8	291.9	230.7	93.0%	0.82	2066	89	1680
IE2-355L1-8	185	740	366.6	348.3	335.7	265.4	93.5%	0.82	2388	89	1760
IE2-355L2-8	200	740	396.4	376.5	363.0	287.0	93.5%	0.82	2582	89	1850
IE2-355I-8	220	740	436.0	414.2	399.2	315.6	93.5%	0.82	2839	89	2236
IE2-3552-8	250	740	495.5	470.7	453.6	358.6	93.5%	0.82	3226	89	2380

◆ Dimensions Foot Mount B3

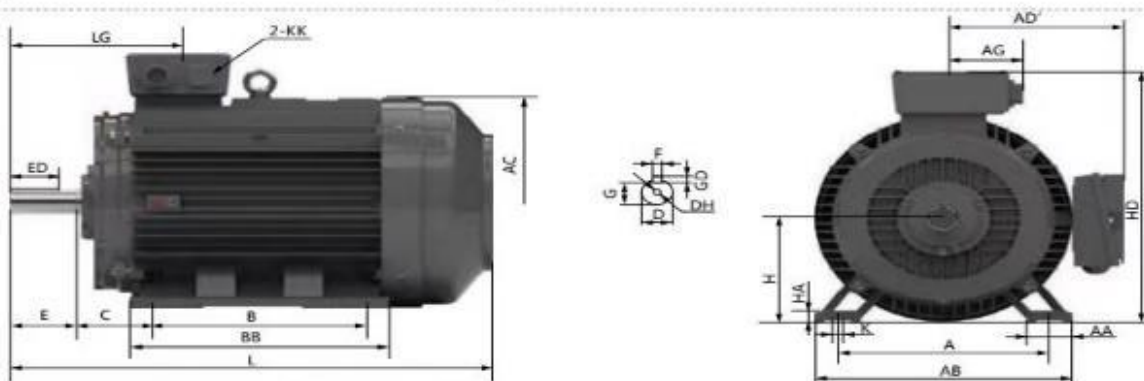
YE2-80~132



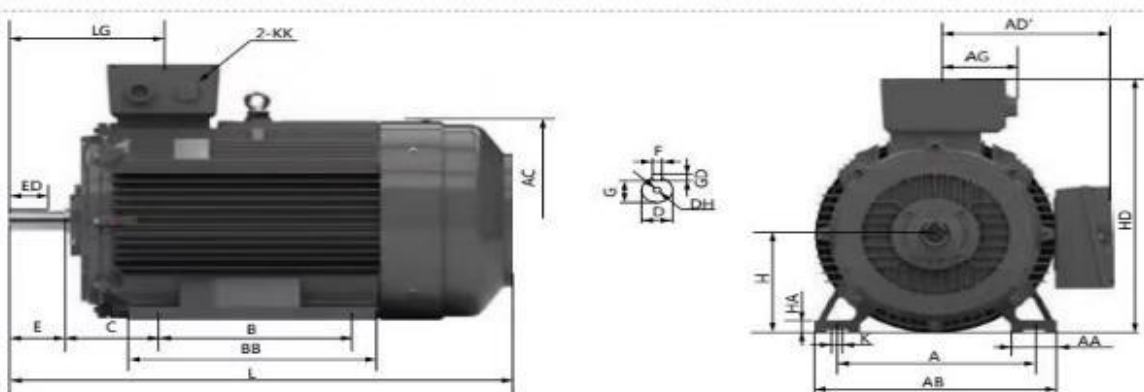
YE2-160~200



YE2-225~280



YE2-315~355



Dimensions Foot Mount B3

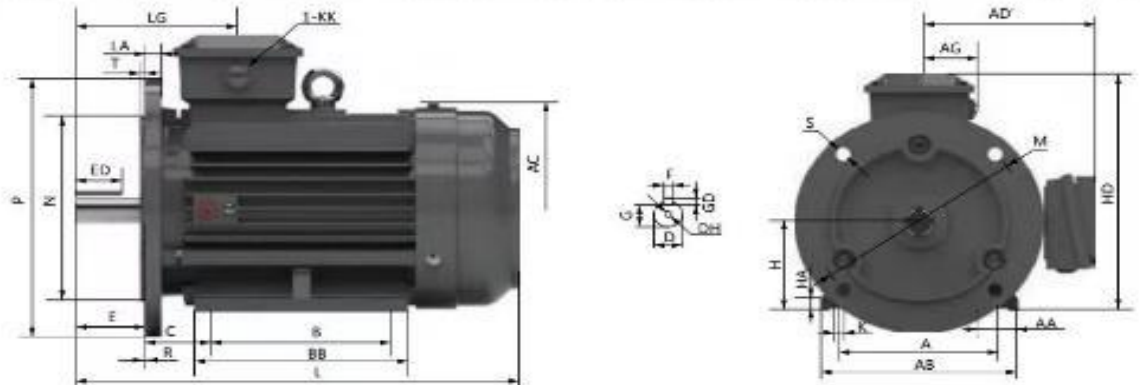
FRAME SIZE	POLES	A	AA	AB	AC	AD'	AG	B	BB	C	D	DH*	E	ED	F	G	GD	H	HA	HD	K	KK	L*	LG
80M	2-8	125	34	160	175	140	51	100	130	50	19	M6X16	40	22	6	15.5	6	80	10	230	10	M24X1.5	295	106
90S	2-8	140	36	180	190	150	60	100	135	56	24	M8X19	50	32	8	20	7	90	12.5	255	10	M24X1.5	318	126
90L	2-8	140	36	180	190	150	60	125	160	56	24	M8X19	50	32	8	20	7	90	12.5	255	10	M24X1.5	343	126
100L	2-8	160	40	200	215	160	60	140	182	63	28	M10X22	60	40	8	24	7	100	14	270	12	M24X1.5	381	142
112M	2-8	190	45	230	236	185	75	140	195	70	28	M10X22	60	40	8	24	7	112	14	307	12	M30X2	399	144
132S	2-8	216	52	265	275	205	75	140	205	89	38	M12X28	80	56	10	33	8	132	16	347	12	M30X2	474	169
132M	2-8	216	52	265	275	205	75	178	245	89	38	M12X28	80	56	10	33	8	132	16	347	12	M30X2	512	169
160M	2-8	254	67	320	330	250	95	210	260	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	614	270
160L	2-8	254	67	320	330	250	95	254	305	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	658	270
180M	2-8	279	74	350	380	270	95	241	297	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	683	277
180L	2-8	279	74	350	380	270	95	279	335	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	721	277
200L	2-8	318	75	395	420	325	120	305	370	133	55	M20X42	110	80	16	49	10	200	25	515	18.5	M48X2	781	298
225S	4-8	356	80	436	465	335	120	286	355	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	831	340
225M	2	356	80	436	465	335	120	311	380	149	55	M20X42	110	80	16	49	10	225	28	560	18.5	M48X2	821	310
225M	4-8	356	80	436	465	335	120	311	380	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	856	340
250M	2	406	88	495	520	370	160	349	440	168	60	M20X42	140	100	18	53	11	250	33	620	24	M64X2	935	360
250M	4-8	406	88	495	520	370	160	349	440	168	65	M20X42	140	100	18	58	11	250	33	620	24	M64X2	941	360
280S	2	457	100	550	570	395	160	368	495	190	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	965	350
280S	4-8	457	100	550	570	395	160	368	495	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	969	350
280M	2	457	100	550	570	395	160	419	535	190	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	1005	350
280M	4-8	457	100	550	570	395	160	419	535	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	1009	350
315S	2	508	120	635	650	495	195	406	515	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1145	387
315M	2	508	120	635	650	495	195	457	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	387
315L	2	508	120	635	650	495	195	508	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	387
315S	4-8	508	120	635	650	495	195	406	515	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1196	417
315M	4-8	508	120	635	650	495	195	457	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1306	417
315L	4-8	508	120	635	650	495	195	508	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1306	417
355M	2	610	125	735	735	640	260	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X	1490	415
355L	2	610	125	735	735	640	260	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1490	415
355M	4-8	610	125	735	735	640	260	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1520	445
355L	4-8	610	125	735	735	640	260	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1520	445
355L	2	610	125	735	735	640	260	630	875	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1590	415
355L	4-8	610	125	735	735	640	260	630	875	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1620	445

Tips:

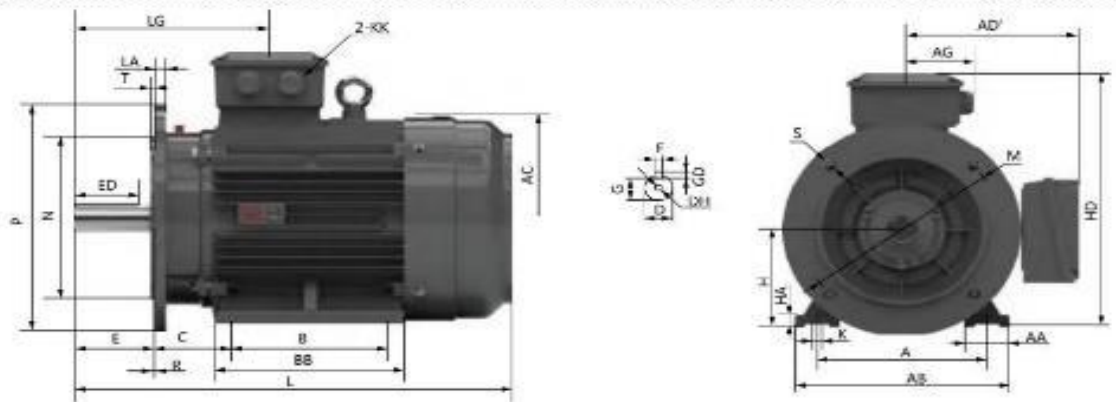
The DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L with tolerance +-5 for frame 80-132,tolerance +-8 for frame 160-355.Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering,

◆ Dimensions Foot Mount B35

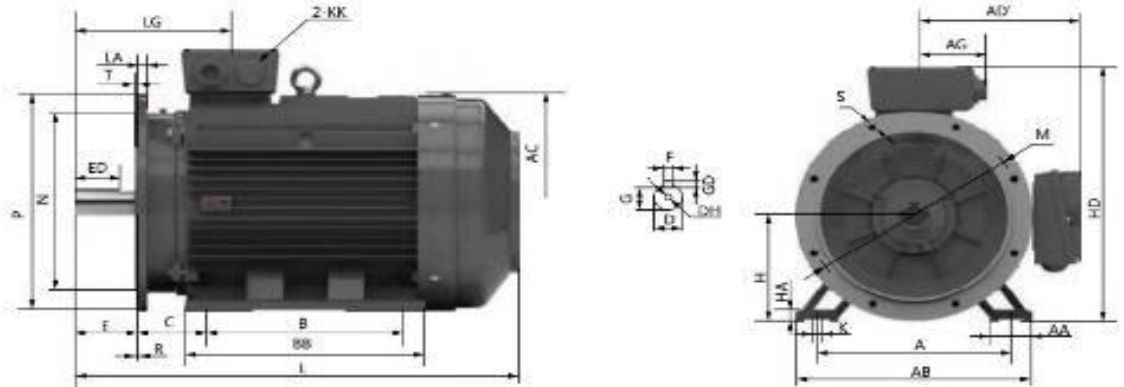
YE2-80~132



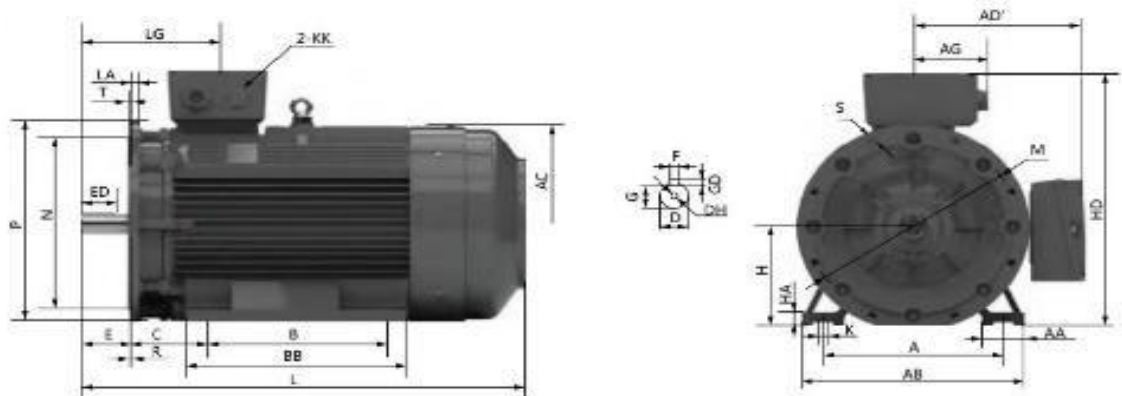
YE2-160~200



YE2-225~280



YE2-315~355



Dimensions Foot-Flange Mount B35

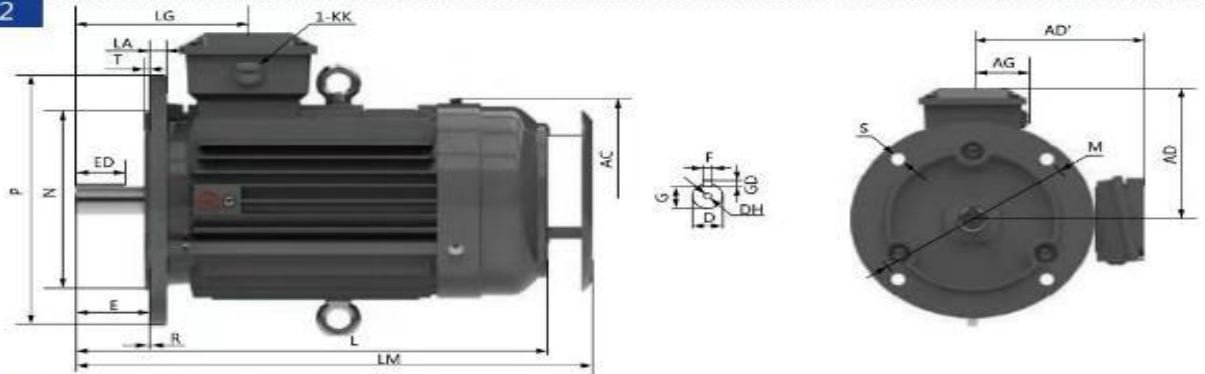
FRAME SIZE	POLES	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	ED	F	G	GD	H	HA	HD	K	L	LA	LG	M	N	P	S	T	KK
80M	2-8	125	34	160	175	140	51	100	130	50	19	M6X16	40	22	6	15.5	6	80	10	230	10	295	12	106	165	130	200	12	3.5	M24X1.5
90S	2-8	140	36	180	190	150	60	100	135	56	24	M8X19	50	32	8	20	7	90	12.5	255	10	318	12	126	165	130	200	12	3.5	M24X1.5
90L	2-8	140	36	180	190	150	60	125	160	56	24	M8X19	50	32	8	20	7	90	12.5	255	10	343	12	126	165	130	200	12	3.5	M24X1.5
100L	2-8	160	40	200	215	160	60	140	182	63	28	M10X22	60	40	8	24	7	100	14	270	12	381	14	142	215	180	250	14.5	4	M24X1.5
112M	2-8	190	45	230	236	185	75	140	195	70	28	M10X22	60	40	8	24	7	112	14	307	12	399	14	141	215	180	250	14.5	4	M30X2
132S	2-8	216	52	265	275	205	75	140	205	89	38	M12X28	80	56	10	33	8	132	16	347	12	474	14	169	265	230	300	14.5	4	M30X2
132M	2-8	216	52	265	275	205	75	178	245	89	38	M12X28	80	56	10	33	8	132	16	347	12	512	14	169	265	230	300	14.5	4	M30X2
160M	2-8	254	67	320	330	250	95	210	260	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	614	15	270	300	250	350	18.5	5	M36X2
160L	2-8	254	67	320	330	250	95	254	305	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	658	15	270	300	250	350	18.5	5	M36X2
180M	2-8	279	74	350	380	270	95	24	297	12	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	683	15	277	300	250	350	18.5	5	M36X2
180L	2-8	279	74	350	380	270	95	279	335	12	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	721	15	277	300	250	350	18.5	5	M36X2
200L	2-8	318	75	395	420	325	120	305	370	133	55	M20X42	110	80	16	49	10	200	25	515	18.5	781	17	298	350	300	400	18.5	5	M48X2
225S	4-8	356	80	436	465	335	120	286	355	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	831	19	340	400	350	450	18.5	5	M48X2
225M	2	356	80	436	465	335	120	311	380	149	55	M20X42	110	80	16	49	10	225	28	560	18.5	821	19	310	400	350	450	18.5	5	M48X2
225M	4-8	356	80	436	465	335	120	311	380	49	60	M20X42	140	100	18	53	11	225	28	560	18.5	856	19	340	400	350	450	18.5	5	M48X2
250M	2	406	88	495	520	370	160	349	440	168	60	M20X42	140	100	18	53	11	250	33	620	24	935	20	360	500	450	550	18.5	5	M64X2
250M	4-8	406	88	495	520	370	160	349	440	168	65	M20X42	140	100	18	58	11	250	33	620	24	941	20	360	500	450	550	18.5	5	M64X2
280S	2	457	100	550	570	395	160	368	495	190	65	M20X42	140	100	18	58	11	280	35	685	24	965	22	350	500	450	550	18.5	5	M64X2
280S	4-8	457	100	550	570	395	160	368	495	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	969	22	350	500	450	550	18.5	5	M64X2
280M	2	457	100	550	570	395	160	419	535	190	65	M20X42	140	100	18	58	11	280	35	685	24	1005	22	350	500	450	550	18.5	5	M64X2
280M	4-8	457	100	550	570	395	160	419	535	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	1009	22	350	500	450	550	18.5	5	M64X2
315S	2	508	120	635	650	495	195	406	515	216	65	M20X42	140	100	18	58	11	315	45	820	28	1145	24	387	600	550	660	24	6	M64X2
315M	2	508	120	635	650	495	195	457	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	1255	24	387	600	550	660	24	6	M64X2
315L	2	508	120	635	650	495	195	508	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	1255	24	387	600	550	660	24	6	M64X2
315S	4-8	508	120	635	650	495	195	406	515	216	80	M20X42	170	130	22	71	14	315	45	820	28	1196	24	417	600	550	660	24	6	M64X2
315M	4-8	508	120	635	650	495	195	457	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	1306	24	417	600	550	660	24	6	M64X2
315L	4-8	508	120	635	650	495	195	508	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	1306	24	417	600	550	660	24	6	M64X2
355M	2	610	125	735	735	640	260	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1490	25	415	740	680	800	24	6	M72X2
355L	2	610	125	735	735	640	260	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1490	25	415	740	680	800	24	6	M72X2
355M	4-8	610	125	735	735	640	260	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1520	25	445	740	680	800	24	6	M72X2
355L	4-8	610	125	735	735	640	260	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1520	25	445	740	680	800	24	6	M72X2
355L	2	610	125	735	735	640	260	630	875	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1590	25	415	740	680	800	24	6	M72X2
355L	4-8	610	125	735	735	640	260	630	875	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1620	25	445	740	680	800	24	6	M72X2

Tips:

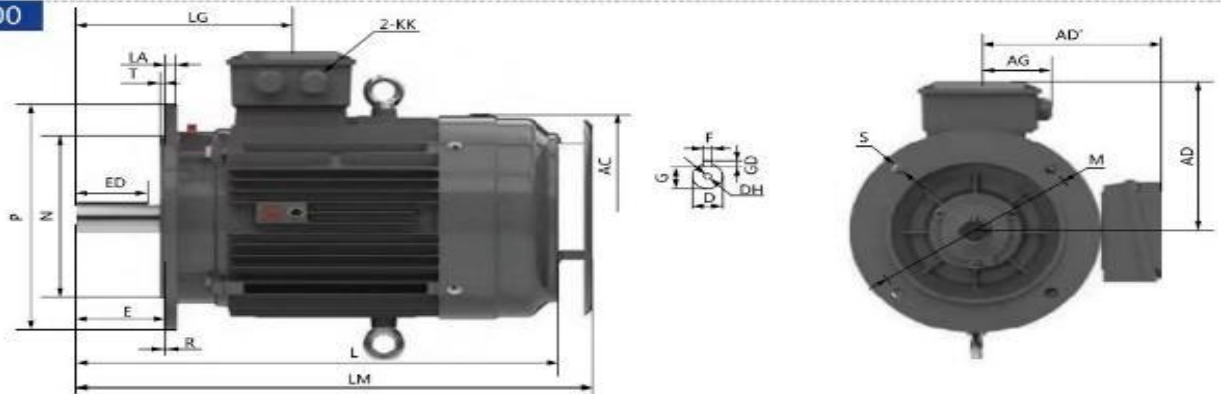
The 'R' dimensions is zero. The 'DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L' with tolerance +-5 for frame 80-132, tolerance +-8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering,

◆ Dimensions Foot Mount B5&V1

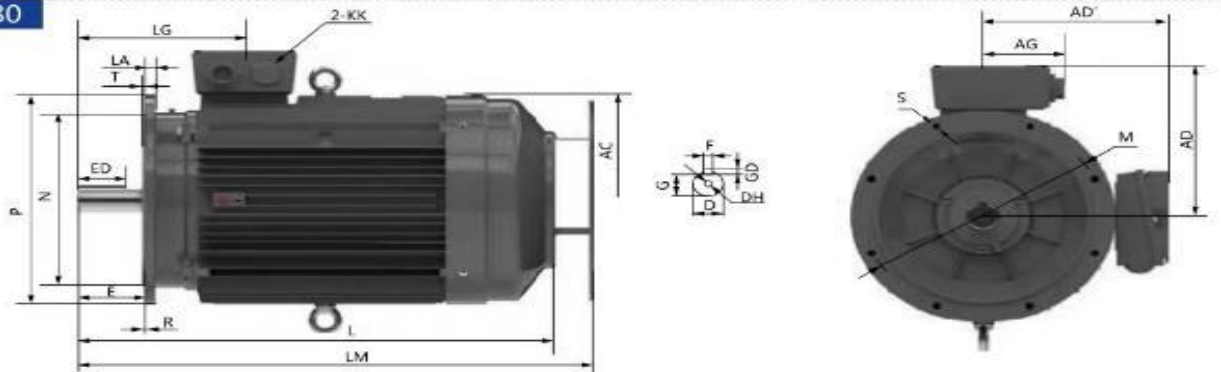
YE2-80~132



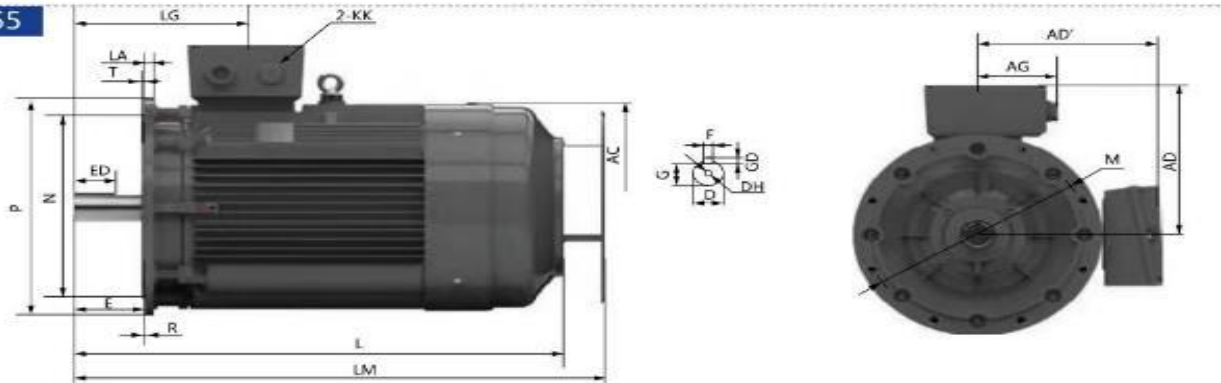
YE2-160~200



YE2-225~280



YE2-315~355



Dimensions Flange Mount B5&V1

FRAME SIZE	POLES	AC	D	AD	AD'	AG	DH	E	ED	F	G	GD	LA	LG	M	N	P	S	T	KK	L	LM
80M	2-8	175	19	150	140	51	M6X16	40	22	6	15.5	6	12	106	165	130	200	12	3.5	M24X1.5	295	
90S	2-8	190	24	165	150	60	M8X19	50	32	8	20	7	12	126	165	130	200	12	3.5	M24X1.5	318	
90L	2-8	190	24	165	150	60	M8X19	50	32	8	20	7	12	126	165	130	200	12	3.5	M24X1.5	343	
100L	2-8	215	28	170	160	60	M10X22	60	40	8	24	7	14	142	215	180	250	14.5	4	M24X1.5	381	-
112M	2-8	236	28	195	185	75	M10X22	60	40	8	24	7	14	144	215	180	250	14.5	4	M30X2	399	
132S	2-8	275	38	215	205	75	M12X28	80	56	10	33	8	14	169	265	230	300	14.5	4	M30X2	474	
32M	2-8	275	38	215	205	75	M12X28	80	56	10	33	8	14	169	265	230	300	14.5	4	M30X2	512	
160M	2-8	330	42	265	250	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	614	659
160L	2-8	330	42	265	250	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	658	703
180M	2-8	380	48	280	270	95	M16X36	110	80	14	42.5	9	15	277	300	250	350	18.5	5	M36X2	683	728
180L	2-8	380	48	280	270	95	M16X36	110	80	14	42.5	9	15	277	300	250	350	18.5	5	M36X2	721	766
200L	2-8	420	55	315	325	120	M20X42	110	80	16	49	10	17	298	350	300	400	18.5	5	M48X2	781	856
225S	4-8	465	60	335	335	120	M20X42	140	100	18	53	11	19	340	400	350	450	18.5	5	M48X2	831	906
225M	2	465	55	335	335	120	M20X42	110	80	16	49	10	19	310	400	350	450	18.5	5	M48X2	821	896
225M	4-8	465	60	335	335	120	M20X42	140	100	18	53	11	19	340	400	350	450	18.5	5	M48X2	856	931
250M	2	520	60	375	370	160	M20X42	140	100	18	53	11	20	360	500	450	550	18.5	5	M64X2	935	1010
250M	4-8	520	65	375	370	160	M20X42	140	100	18	58	11	20	360	500	450	550	18.5	5	M64X2	941	1016
280S	2	570	65	395	400	160	M20X42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64X2	965	1050
280S	4-8	570	75	395	400	160	M20X42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64X2	969	1054
280M	2	570	65	395	400	160	M20X42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64X2	1005	1090
280M	4-8	570	75	395	400	160	M20X42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64X2	1009	1094
315S	2	650	65	500	495	195	M20X42	140	100	18	58	11	24	387	600	550	660	24	6	M64X2	1145	1230
315M	2	650	65	500	495	195	M20X42	140	100	18	58	11	24	387	600	550	660	24	6	M64X2	1255	1340
315L	2	650	65	500	495	195	M20X42	140	100	18	58	11	24	387	600	550	660	24	6	M64X2	1255	1340
315S	4-8	650	80	500	495	195	M20X42	170	130	22	71	14	24	417	600	550	660	24	6	M64X2	1196	1281
315M	4-8	650	80	500	495	195	M20X42	170	130	22	71	14	24	417	600	550	660	24	6	M64X2	1306	1391
315L	4-8	650	80	500	495	195	M20X42	170	130	22	71	14	24	417	600	550	660	24	6	M64X2	1306	1391
355M	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355L(V1)	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355M(V1)	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L(V1)	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1590	1690
355L	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1620	1720

Tips: The 'R' dimensions is zero .The DH'defaults to a non-threaded center hole and it can be machined into a threaded hole as required, The dimension of 'L and 'LM 'with tolerance +-5 for frame 80-

132,tolerance +-8 for frame 160-355..Due to the motors with frame size 355 have various powers,the installation size is different,please consult the external outline drawing when ordering.

▶ IE3 series Three-phase Asynchronous Motor



● Product Introduction

IE3 series three-phase asynchronous motor is in line with the second efficiency standard in the provisions of GB18613-2012 "Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors". Meanwhile, IE3 efficiency standard is also satisfied in the provisions of EC 60034-30-1:2014. Improvement on design of efficiency is in line with the state's requirements on the energy saving and consumption reducing of them manufacturing sector. IE3 series motors with the mounting dimension in accordance with standard EC60034, it has good features like, optimum structure, attractive appearance, low noise, high efficiency, high protection class as well as high insulation class. IE3 series motors can be widely used in various kinds of general use machineries like fans, pumps, machine tools, compressors, transportation and soon, and can also be used in the hazardous areas with oil and chemical, steel plants, mining industry.

● Specification

◆ Site conditions

IE3 series motors are suitable for almost all applications and operate satisfactorily at temperature from -15°C to +40°C and the altitude is not more than 1000 meters.

+ Temperature and insulation

155 (F) class insulation system and temperature rise class B (80K) are adopted to the motor, which increase the motor useful life and reliability.

◆ Cooling and ventilation

The standard cooling method is Totally Enclosed Fan cooled (TEFC) in accordance with IC411 of IEC 60034-6. Standard motors are equipped with centrifugal plastic fans.

◆ Protection class

The standard protection degree of motor is IP55, which make moist and dusty condition is also allowable. Higher degree of protection is also available according to customer requirement.

◆ Motor protection

The protection and measurement equipment to winding and bearing such as PTC, PT100 are available on request.

◆ Voltage and Frequency

Standard voltage and frequency is 380V/50HZ, 200-660V special value on voltage and frequency is available on request. The motors will operate satisfactorily with variations of $\pm 5\%$ from the rated voltage.

◆ Terminal box location

Terminal box at the top or right frame is the standard IE3 motor.

◆ Quality assurance

Stringent quality procedures are observed from first design to finished products in accordance with ISO9001 documented quality systems.

Technical Data

2pole-3000rpm synchronous speed 50HZ

Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE3-80M1-2	0.75	2855	1.7	1.6	1.6	1.2	80.7%	0.82	2.5	62	17
IE3-80M2-2	1.1	2855	2.4	2.3	2.2	1.8	82.7%	0.83	3.7	62	20
IE3-90S-2	1.5	2875	3.2	3.1	3.0	2.3	84.2%	0.84	5.0	67	24
IE3-90L-2	2.2	2875	4.6	4.3	4.2	3.3	85.9%	0.85	7.3	67	29
IE3-100L-2	3	2880	6.0	5.7	5.5	4.4	87.1%	0.87	9.9	74	42
IE3-112M-2	4	2900	7.8	7.4	7.2	5.7	88.1%	0.88	13.2	77	48
IE3-132S1-2	5.5	2900	10.6	10.1	9.7	7.7	89.2%	0.88	18.1	79	70
IE3-132S2-2	7.5	2900	14.4	13.7	13.2	10.4	90.1%	0.88	24.7	79	74
IE3-160M1-2	11	2940	20.6	19.6	18.9	14.9	91.2%	0.89	35.7	81	120
IE3-160M2-2	15	2940	27.9	26.5	25.5	20.2	91.9%	0.89	48.7	81	130
IE3-160L-2	18.5	2940	34.2	32.5	31.3	24.7	92.4%	0.89	60.1	81	148
IE3-180M-2	22	2955	40.5	38.5	37.1	29.3	92.7%	0.89	71.1	83	192
IE3-200L1-2	30	2965	54.9	52.1	50.3	39.7	93.3%	0.89	96.6	84	248
IE3-200L2-2	37	2965	67.4	64.0	61.7	48.8	93.7%	0.89	119.2	84	270
IE3-225M-2	45	2970	80.8	76.8	74.0	58.5	94.0%	0.9	144.7	86	324
IE3-250M-2	55	2975	98.5	93.5	90.2	71.3	94.3%	0.9	176.6	89	438
IE3-280S-2	75	2975	133.7	127.0	122.4	96.8	94.7%	0.9	240.8	91	565
IE3-280M-2	90	2975	159 q	1519	146.4	1158	95.0%	0.9	288.9	91	598
IE3-315S-2	110	2980	195.1	185.3	178.6	141.2	95.2%	0.9	352.5	92	956
IE3-315M-2	132	2980	220.4	221.9	213.9	169.1	95.4%	0.9	423.0	92	960
IE3-315L1-2	160	2980	279.4	265.5	255.9	202.3	95.6%	0.91	512.8	92	1060
IE3-315L-2	185	2980	322.8	306.6	295.5	233.6	95.7%	0.91	592.9	92	1140
IE3-315L2-2	200	2980	348.6	331.1	319.2	252.3	95.8%	0.91	640.9	92	1080
IE3-355M1-2	220	2980	383.4	364.3	351.1	277.5	95.8%	0.91	705.0	100	1560
IE3-355M2-2	250	2980	435.7	413.9	399.0	315.4	95.8%	0.91	801.2	100	1620
IE3-355L1-2	280	2980	488.0	463.6	446.8	353.2	95.8%	0.91	897.3	100	1720
IE3-355L2-2	315	2980	549.0	521.5	502.7	397.4	95.8%	0.91	1009.5	100	2017
IE3-3551-2	355	2980	618.7	587.8	566.5	447.8	95.8%	0.91	1137.6	104	2150
IE3-3552-2	375	2980	653.6	620.9	598.5	473.1	95.8%	0.91	1201.7	104	2280

4pole-1500rpm synchronous speed 50HZ

Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE3-80M2-4	0.75	1400	1.8	1.7	1.7	1.3	82.5%	0.75	5.1	56	16
IE3-90S-4	1.1	1425	2.6	2.5	2.4	1.9	84.1%	0.76	7.4	59	25
IE3-90L-4	1.5	1425	3.5	3.3	3.2	2.5	85.3%	0.77	10.1	59	31
IE3-100L1-4	2.2	1440	4.8	4.5	4.4	3.4	86.7%	0.81	14.6	64	43
IE3-100L2-4	3	1440	6.3	6.0	5.8	4.6	87.7%	0.82	19.9	64	42
IE3-112M-4	4	1450	8.4	7.9	7.7	6.1	88.6%	0.82	26.3	65	54
IE3-132S-4	5.5	1455	11.2	10.7	10.3	8.1	89.6%	0.83	36.1	71	70
IE3-132M-4	7.5	1455	15.0	14.3	13.7	10.9	90.4%	0.84	49.2	71	84
IE3-160M-4	11	1465	21.5	20.4	19.7	15.6	91.4%	0.85	71.7	73	128
IE3-160L-4	15	1465	28.8	27.3	26.3	20.8	92.1%	0.86	97.8	73	150
IE3-180M-4	18.5	1470	35.3	33.5	32.3	25.5	92.6%	0.86	120.2	76	182
IE3-180L-4	22	1475	41.8	39.7	38.3	30.3	93.0%	0.86	142.4	76	223
IE3-200L-4	30	1475	56.6	53.8	51.9	41.0	93.6%	0.86	194.2	76	300
IE3-225S-4	37	1480	69.6	66.1	63.7	50.4	93.9%	0.86	238.8	78	354
IE3-225M-4	45	1480	84.4	80.2	77.3	61.1	94.2%	0.86	290.4	78	342
IE3-250M-4	55	1480	102.7	97.6	94.1	74.3	94.6%	0.86	354.9	79	460
IE3-280S-4	75	1485	136.3	129.5	124.8	98.7	95.0%	0.88	482.3	80	581
IE3-280M-4	90	1485	163.2	155.1	149.5	118.1	95.2%	0.88	578.8	80	658
IE3-315S-4	110	1485	196.8	187.0	180.2	142.5	95.4%	0.89	707.4	88	914
IE3-315M-4	132	1485	235.7	223.9	215.8	170.6	95.6%	0.89	848.9	88	1034
IE3-315L1-4	160	1485	285.1	270.9	261.1	206.4	95.8%	0.89	1029.0	88	1078
IE3-315L-4	185	1485	329.3	312.9	301.6	238.4	95.9%	0.89	1189.7	88	1150
IE3-315L2-4	200	1485	351.7	334.1	322.0	254.6	96.0%	0.9	1286.2	88	1200
IE3-355M1-4	220	1490	386.9	367.5	354.3	280.0	96.0%	0.9	1410.1	95	1650
IE3-355M2-4	250	1490	439.6	417.7	402.6	318.2	96.0%	0.9	1602.3	95	1750
IE3-355L1-4	280	1490	492.4	467.8	450.9	356.4	96.0%	0.9	1794.6	95	1870
IE3-355L2-4	315	1490	553.9	526.2	507.2	400.9	96.0%	0.9	2019.0	95	1984
IE3-3551-4	355	1490	638.5	606.5	584.6	462.1	96.0%	0.9	2275.3	102	2375
YF3-3552-4	375	1490	674.4	640.7	617.6	488.2	96.0%	0.9	2403.5	102	2420

6pole-1000rpm synchronous speed 50HZ

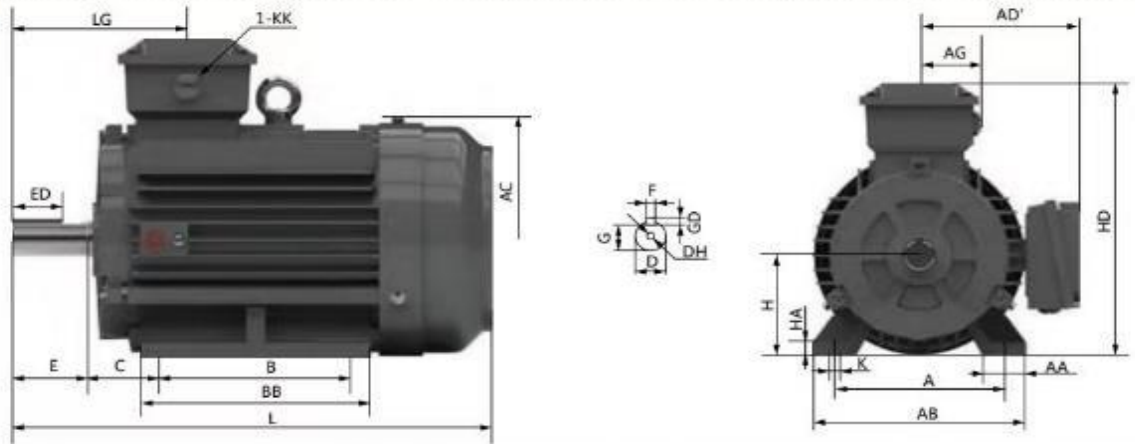
Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE3-90S-6	0.75	935	2.0	1.9	1.9	1.5	78.9%	0.71	7.7	57	25
IE3-90L-6	1.1	940	2.8	2.7	2.6	2.0	81.0%	0.73	11.2	57	30
IE3-100L-6	1.5	945	3.8	3.6	3.5	2.7	82.5%	0.73	15.2	61	40
IE3-112M-6	2.2	950	5.4	5.1	4.9	3.9	84.3%	0.74	22.1	65	39
IE3-132S-6	3	960	7.2	6.8	6.6	5.2	85.6%	0.74	29.8	69	61
IE3-132M1-6	4	960	9.5	9.0	8.7	6.8	86.8%	0.74	39.8	69	70
IE3-132M2-6	5.5	960	12.7	12.0	11.6	9.2	88.0%	0.75	54.7	69	78
IE3-160M-6	7.5	970	16.2	15.4	14.8	11.7	89.1%	0.79	73.8	73	116
IE3-160L-6	11	970	23.1	22.0	21.2	16.7	90.3%	0.80	108.3	73	142
IE3-180L-6	15	975	30.9	29.3	28.2	22.3	91.2%	0.81	146.9	73	188
IE3-200L1-6	18.5	975	37.8	36.0	34.7	27.4	91.7%	0.81	181.2	73	234
IE3-200L2-6	22	975	44.8	42.5	41.0	32.4	92.2%	0.81	215.5	73	275
IE3-225M-6	30	985	59.1	56.2	54.1	42.8	92.9%	0.83	290.9	74	332
IE3-250M-6	37	985	71.7	68.1	65.7	51.9	93.3%	0.84	358.7	76	422
IE3-280S-6	45	985	85.8	81.6	78.6	62.1	93.7%	0.85	436.3	78	536
IE3-280M-6	55	985	103.3	98.1	94.6	74.7	94.1%	0.86	533.2	78	590
IE3-315S-6	75	990	143.4	136.2	131.3	103.8	94.6%	0.84	723.5	83	848
IE3-315M-6	90	990	169.5	161.0	155.2	122.7	94.9%	0.85	868.2	83	942
IE3-315L1-6	110	990	206.8	196.4	189.3	149.7	95.1%	0.85	1061.1	83	980
IE3-315L2-6	132	990	244.5	232.2	223.8	176.9	95.4%	0.86	1273.3	83	1140
IE3-355M1-6	160	990	295.7	281.0	270.7	214.0	95.6%	0.86	1543.4	85	1790
IE3-355M-6	185	990	341.5	324.5	312.7	247.2	95.7%	0.86	1784.6	85	1680
IE3-355M2-6	200	990	364.6	346.4	333.8	263.9	95.8%	0.87	1929.3	85	1945
IE3-355L1-6	220	990	401.0	381.0	367.2	290.3	95.8%	0.87	2122.2	85	1810
IE3-355L2-6	250	990	455.7	433.0	417.3	330.0	95.8%	0.87	2411.6	85	1960
IE3-355I-6	280	990	510.4	485.0	467.4	369.5	95.8%	0.87	2701.0	91	2350
IE3-355I-6	315	990	581.0	551.9	532.0	420.5	95.8%	0.87	3038.6	91	2440

8pole-750rpm synchronous speed 50HZ

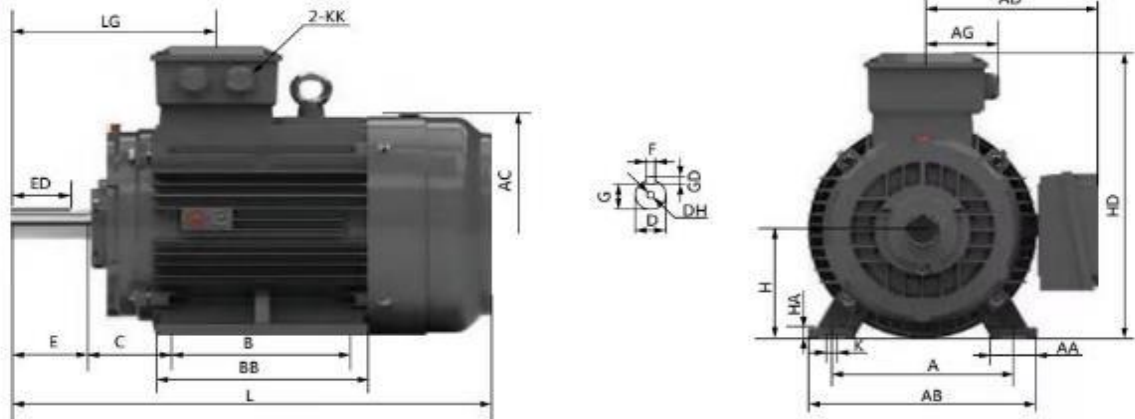
Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE3-100L1-8	0.75	695	2.3	2.2	2.1	1.6	75.0%	0.67	10.3	59	40
IE3-100L2-8	1.1	695	3.1	3.0	2.9	2.3	77.7%	0.69	15.1	59	42
IE3-112M-8	1.5	695	4.1	3.9	3.7	3.0	79.7%	0.70	20.6	61	45
IE3-132S-8	2.2	715	5.7	5.5	5.3	4.2	81.9%	0.71	29.4	64	60
IE3-132M-8	3	715	7.5	7.1	6.8	5.4	83.5%	0.73	40.1	64	70
IE3-160M1-8	4	725	9.8	9.3	9.0	7.1	84.8%	0.73	52.7	68	100
IE3-160L2-8	5.5	725	13.1	12.4	12.0	9.5	86.2%	0.74	72.4	68	120
IE3-160L-8	7.5	725	17.4	16.5	15.9	12.6	87.3%	0.75	98.8	68	130
IE3-180L-8	11	735	25.2	23.9	23.0	18.2	88.6%	0.75	142.9	70	190
IE3-200L-8	15	735	33.5	31.8	30.6	24.2	89.6%	0.76	194.9	73	230
IE3-225S-8	18.5	735	41.0	39.0	37.6	29.7	90.1%	0.76	240.4	73	270
IE3-225M-8	22	745	47.3	44.9	43.3	34.2	90.6%	0.78	282.0	73	300
IE3-250M-8	30	745	63.2	60.0	57.9	45.7	91.3%	0.79	384.6	75	390
IE3-280S-8	37	745	77.5	73.6	71.0	56.1	91.8%	0.79	474.3	76	510
IE3-280M-8	45	745	93.9	89.2	86.0	67.9	92.2%	0.79	576.8	76	560
IE3-315S-8	55	745	111.5	106.0	102.1	80.7	92.5%	0.81	705.0	82	770
IE3-315M-8	75	745	151.1	143.6	138.4	109.4	93.1%	0.81	961.4	82	1000
IE3-315L1-8	90	745	178.5	169.6	163.5	129.2	93.4%	0.82	1153.7	82	1060
IE3-315L2-8	110	745	217.5	206.6	199.2	157.4	93.7%	0.82	1410.1	82	1060
IE3-355M1-8	132	745	263.4	250.2	241.2	190.7	94.0%	0.82	1692.1	89	1680
IE3-355M-8	160	745	318.3	302.4	291.4	230.4	94.3%	0.82	2051.0	89	1760
IE3-355L1-8	185	745	368.0	349.6	337	266.4	94.3%	0.82	2371.5	89	1850
IE3-355L2-8	200	745	396.6	376.7	363.1	287	94.6%	0.82	2563.8	89	1990
IE3-3551-8	220	745	436.2	414.4	399.5	315.8	94.6%	0.83	2820.1	89	2380
IE3-3552-8	250	745	495.7	471	454	358.8	94.6%	0.83	3204.7	89	2430

• Dimensions Foot Mount B3

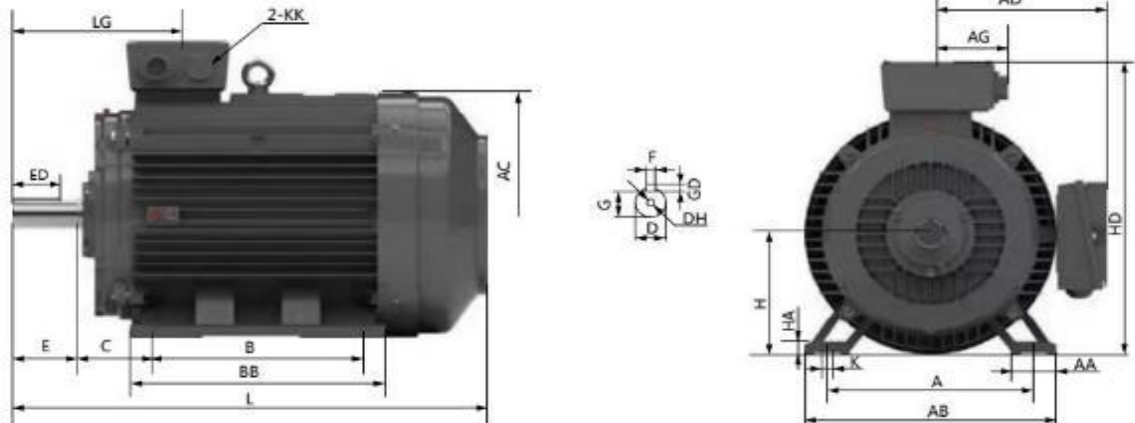
YE3-80~132



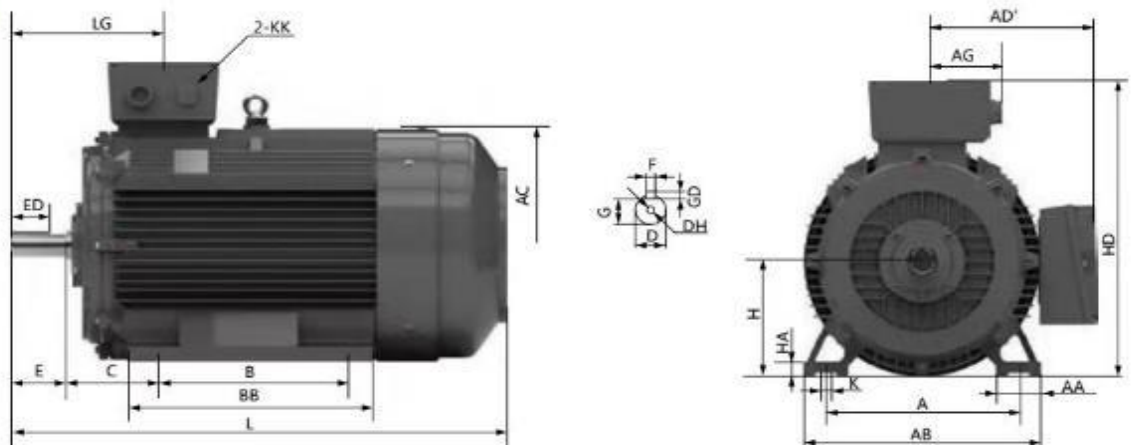
YE3-160~200



YE3-225~280



YE3-315~355



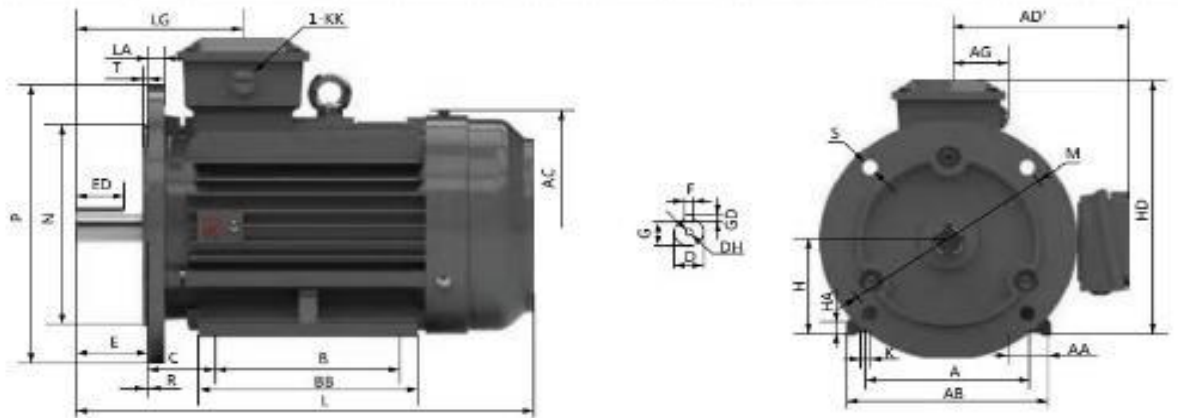
Dimensions Foot Mount B3

FRAME SIZE	POLES	A	AA	AB	AC	AD'	AG	B	BB	C	D	DH*	E	ED	F	G	GD	H	HA	HD	K	KK	L*	LG
80M	2-8	125	34	165	175	145	51	100	142	50	19	M6X16	40	22	6	15.5	6	80	10	235	10	M24X1.5	301	115
90S	2-8	140	36	180	205	155	60	100	180	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	M24X1.5	360	129
90L	2-8	140	36	180	205	155	60	125	210	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	M24X1.5	390	129
100L	2-8	160	40	205	215	165	60	140	233	63	28	M10X22	60	40	8	24	7	100	14	275	12	M24X1.5	433.5	147
112M	2-8	190	45	230	236	185	75	140	252	70	28	M10X22	60	40	8	24	7	112	14	307	12	M30X2	461	144
132S	2-8	216	52	270	275	205	75	140	220	89	38	M12X28	80	56	10	33	8	132	16	347	12	M30X2	491.5	169
132M	2-8	216	52	270	275	205	75	178	258	89	38	M12X28	80	56	10	33	8	132	16	347	12	M30X2	529.5	169
160M	2-8	254	67	320	330	250	95	210	305	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	657.5	270
160L	2-8	254	67	320	330	250	95	254	325	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	679.5	270
180M	2-8	279	74	350	380	270	95	241	330	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	721	277
180L	2-8	279	74	350	380	270	95	279	370	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	769	277
200L	2-8	318	75	395	420	325	120	305	370	133	55	M20X42	110	80	16	49	10	200	25	515	18.5	M48X2	781	298
225S	4-8	356	80	436	465	335	120	286	355	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	831	340
225M	2	356	80	436	465	335	120	311	380	149	55	M20X42	110	80	16	49	10	225	28	560	18.5	M48X2	821	310
225M	4-8	356	80	436	465	335	120	311	380	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	856	340
250M	2	406	88	495	520	370	160	349	440	168	60	M20X42	140	100	18	53	11	250	33	620	24	M64X2	935	360
250M	4-8	406	88	495	520	370	160	349	440	168	65	M20X42	140	100	18	58	11	250	33	620	24	M64X2	941	360
280S	2	457	100	550	570	395	160	368	495	190	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	965	350
280S	4-8	457	100	550	570	395	160	368	495	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	969	350
280M	2	457	100	550	570	395	160	419	535	190	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	1005	350
280M	4-8	457	100	550	570	395	160	419	535	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	1009	350
315S	2	508	120	635	650	495	195	406	515	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1145	387
315M	2	508	120	635	650	495	195	457	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	387
315L	2	508	120	635	650	495	195	508	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	387
315S	4-8	508	120	635	650	495	195	406	515	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1196	417
315M	4-8	508	120	635	650	495	195	457	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1306	417
315L	4-8	508	120	635	650	495	195	508	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1306	417
355M	2	610	125	735	735	640	260	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1490	415
355L	2	610	125	735	735	640	260	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1490	415
355M	4-8	610	125	735	735	640	260	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1520	445
355L	4-8	610	125	735	735	640	260	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1520	445
355L	2	610	125	735	735	640	260	630	875	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1590	415
355L	4-8	610	125	735	735	640	260	630	875	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1620	445

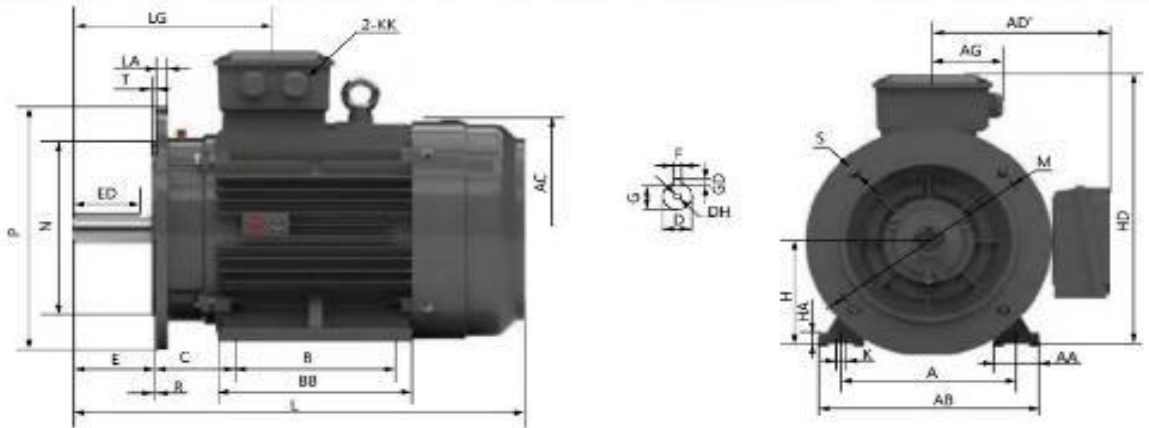
Tips: The 'DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L' with tolerance +-5 for frame 80-132, tolerance +-8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering.

• Dimensions Foot Mount B35

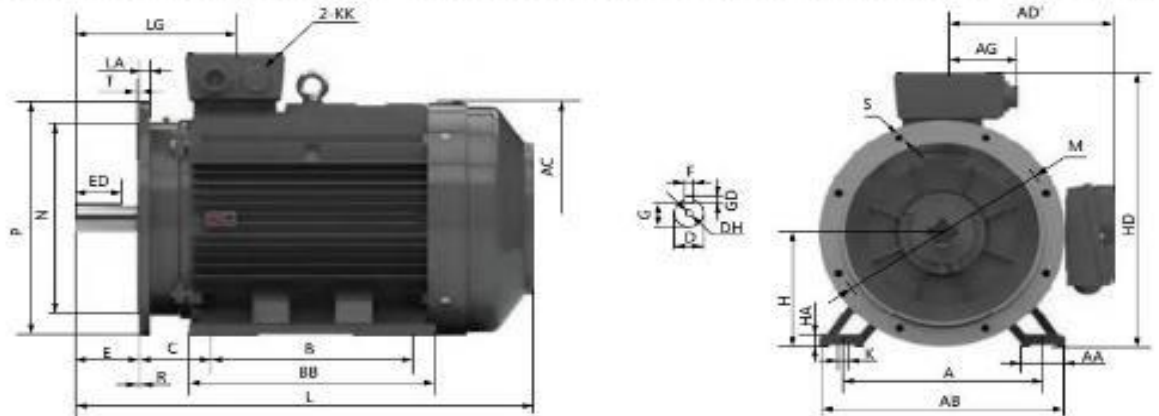
YE3-80~132



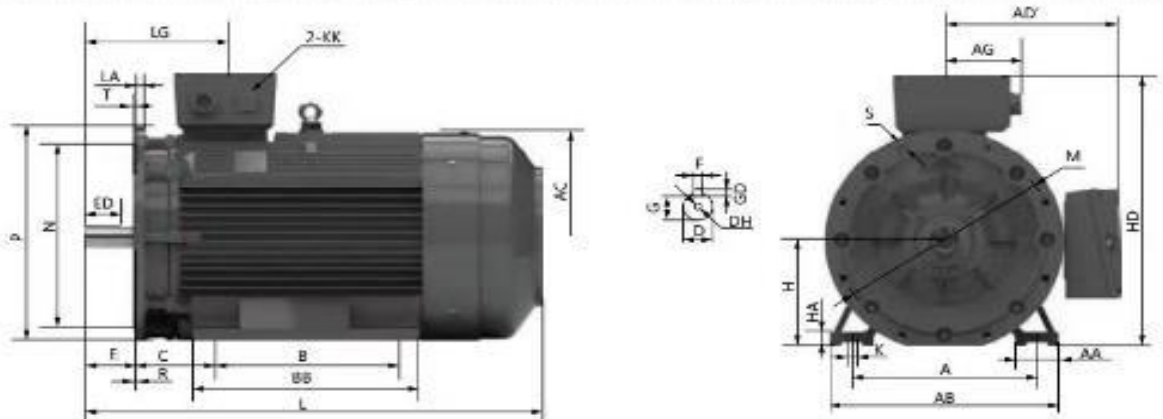
YE3-160~200



YE3-225~280



YE3-315~355



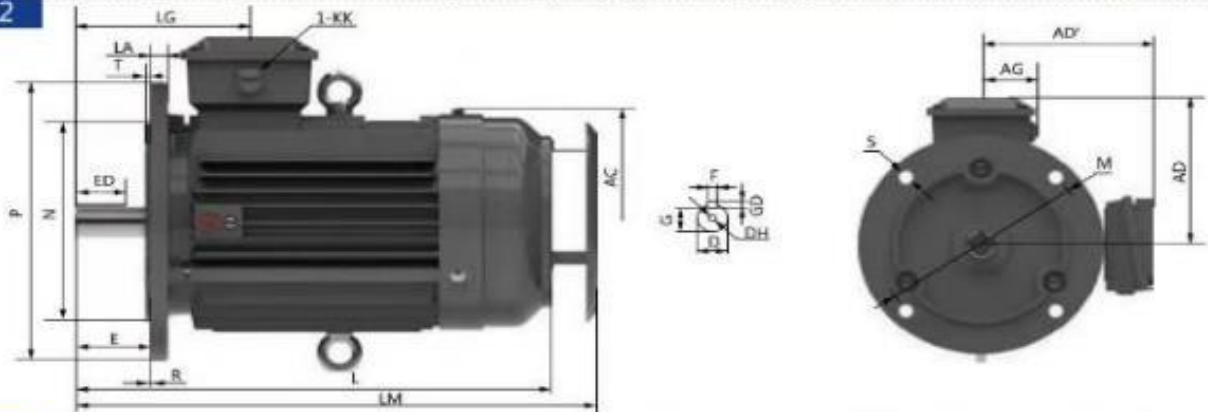
Dimensions Foot-Flange Mount B35

FRAME SIZE	POLES	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	ED	F	G	GD	H	HA	HD	K	L	LA	LG	M	N	P	S	T	KK
80M	2-8	125	34	165	175	145	51	100	142	50	19	M6X16	40	22	6	15.5	6	80	10	235	10	301	14	115	165	130	200	12	3.5	M24X
90S	2-8	140	36	180	205	155	60	100	180	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	360	12	129	165	130	200	12	3.5	M24)
90L	2-8	140	36	180	205	155	60	125	210	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	390	12	129	165	130	200	12	3.5	M24)
00L	2-8	160	40	205	215	165	60	140	233	63	28	M10X22	60	40	8	24	7	100	14	275	12	433.5	14	147	215	180	250	14.5	4	M24X
112M	2-8	190	45	230	236	185	75	140	252	70	28	M10X22	60	40	8	24	7	112	14	307	12	461	12	144	215	180	250	14.5	4	M30X2
132S	2-8	216	52	270	275	205	75	140	220	89	38	M12X28	80	56	10	33	8	132	16	347	12	491.5	14	169	265	230	300	14.5	4	M30X2
132M	2-8	216	52	270	275	205	75	178	258	89	38	M12X28	80	56	10	33	8	132	16	347	12	529.5	14	169	265	230	300	14.5	4	M30X2
160M	2-8	254	67	320	330	250	95	210	305	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	657.5	15	270	300	250	350	18.5	5	M36X2
160L	2-8	254	67	320	330	250	95	254	325	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	679.5	15	270	300	250	350	18.5	5	M36X2
180M	2-8	279	74	350	380	270	95	241	330	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	721	15	277	300	250	350	18.5	5	M36X2
180L	2-8	279	74	350	380	270	95	279	370	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	769	15	277	300	250	350	18.5	5	M36X2
200L	2-8	318	75	395	420	325	120	305	370	133	55	M20X42	110	80	16	49	10	200	25	515	18.5	781	17	298	350	300	400	18.5	5	M48X2
225S	4-8	356	80	436	465	335	120	286	355	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	831	19	340	400	350	450	18.5	5	M48X2
225M	2	356	80	436	465	335	120	311	380	149	55	M20X42	110	80	16	49	10	225	28	560	18.5	821	19	310	400	350	450	18.5	5	M48X2
225M	4-8	356	80	436	465	335	120	311	380	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	856	19	340	400	350	450	18.5	5	M48X2
250M	2	406	88	495	520	370	160	349	440	168	60	M20X42	140	100	18	53	11	250	33	620	24	935	20	360	500	450	550	18.5	5	M64X2
250M	4-8	406	88	495	520	370	160	349	440	168	65	M20X42	140	100	18	58	11	250	33	620	24	941	20	360	500	450	550	18.5	5	M64X2
280S	2	457	100	550	570	395	160	368	495	190	65	M20X42	140	100	18	58	11	280	35	685	24	965	22	350	500	450	550	18.5	5	M64X2
280S	4-8	457	100	550	570	395	160	368	495	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	969	22	350	500	450	550	18.5	5	M64X2
280M	2	457	100	550	570	395	160	419	535	190	65	M20X42	140	100	18	58	11	280	35	685	24	1005	22	350	500	450	550	18.5	5	M64X2
280M	4-8	457	100	550	570	395	160	419	535	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	1009	22	350	500	450	550	18.5	5	M64X2
315S	2	508	120	635	650	495	195	406	515	216	65	M20X42	140	100	18	58	11	315	45	820	28	1145	24	387	600	550	660	24	6	M64X2
315M	2	508	120	635	650	495	195	457	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	1255	24	387	600	550	660	24	6	M64X2
315L	2	508	120	635	650	495	195	508	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	1255	24	387	600	550	660	24	6	M64X2
315S	4-8	508	120	635	650	495	195	406	515	216	80	M20X42	170	130	22	71	14	315	45	820	28	1196	24	417	600	550	660	24	6	M64X2
315M	4-8	508	120	635	650	495	195	457	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	1306	24	417	600	550	660	24	6	M64X2
315L	4-8	508	120	635	650	495	195	508	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	1306	24	417	600	550	660	24	6	M64X2
355M	2	610	125	735	735	640	260	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1490	25	415	740	680	800	24	6	M72X2
355L	2	610	125	735	735	640	260	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1490	25	415	740	680	800	24	6	M72X2
355M	4-8	610	125	735	735	640	260	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1520	25	445	740	680	800	24	6	M72X2
355L	4-8	610	125	735	735	640	260	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1520	25	445	740	680	800	24	6	M72X2
355L	2	610	125	735	735	640	260	630	875	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1590	25	415	740	680	800	24	6	M72X2
355L	4-8	610	125	735	735	640	260	630	875	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1620	25	445	740	680	800	24	6	M72X2

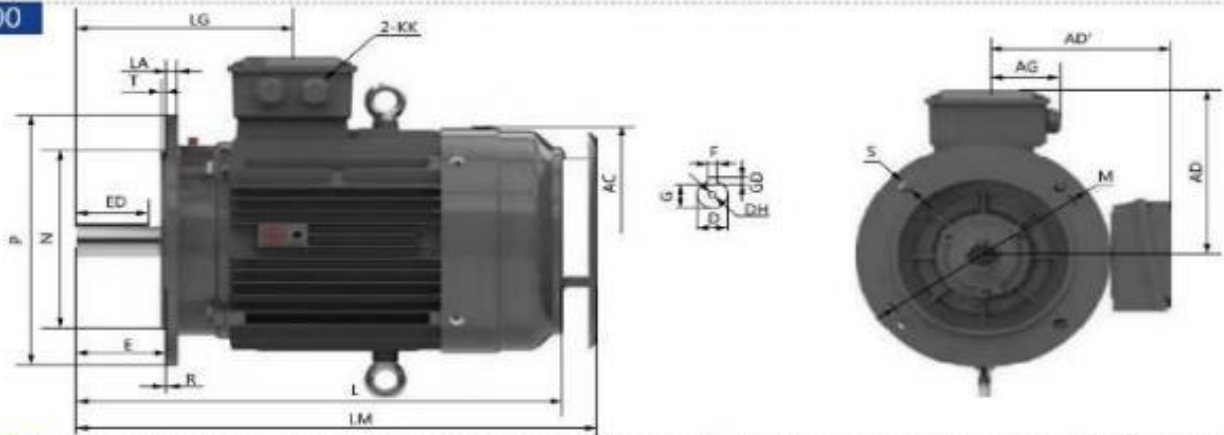
Tips: The 'R' dimensions is zero. The 'DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of t with tolerance ± 5 for frame 80-132, tolerance ± 8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering.

• Dimensions Foot Mount B5&V1

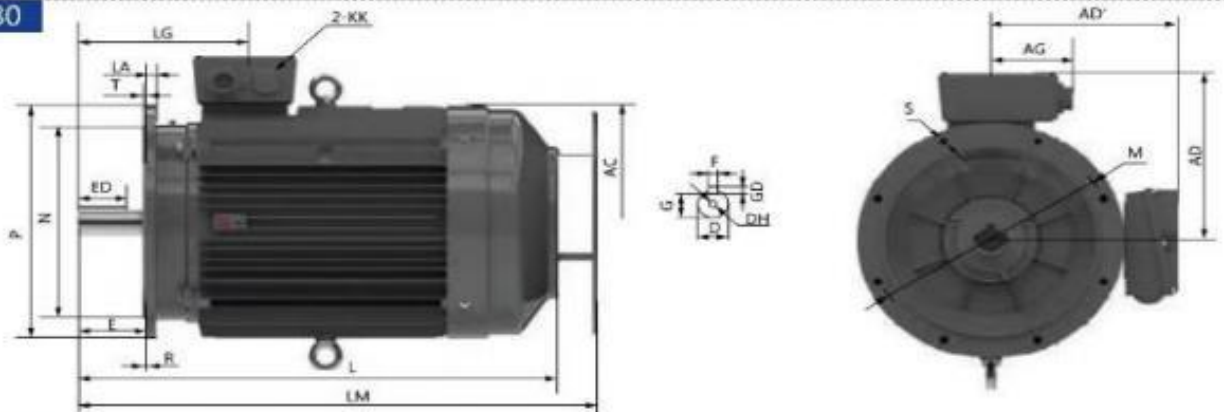
YE3-80~132



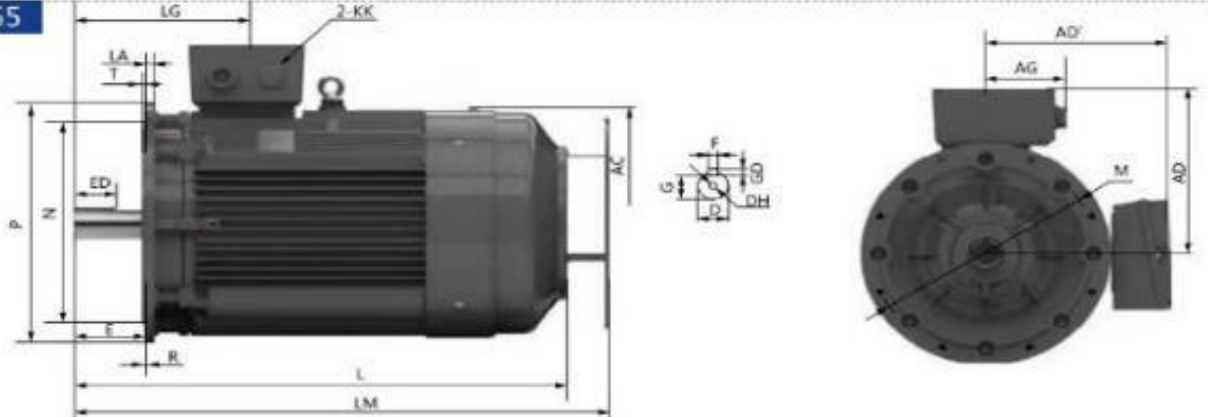
YE3-160~200



YE3-225~280



YE3-315~355



Dimensions Flange Mount B5&V1

FRAME SIZE	POLES	AC	D	AD	AD'	AG	DH	E	ED	F	G	GD	LA	LG	M	N	P	S	T	KK	L	LM
80M	2-8	175	19	155	145	51	M6X16	40	22	6	15.5	6	14	115	165	130	200	12	3.5	M24X1.5	301	
90S	2-8	205	24	170	155	60	M8X19	50	32	8	20	7	12	129	165	130	200	12	3.5	M24X1.5	360	
90L	2-8	205	24	170	155	60	M8X19	50	32	8	20	7	12	129	165	130	200	12	3.5	M24X1.5	390	
100L	2-8	215	28	175	165	60	M10X22	60	40	8	A	7	14	147	215	180	250	14.5	4	M24X1.5	433.5	
112M	2-8	236	28	195	185	75	M10X22	60	40	8	24	7	12	144	215	180	250	14.5	4	M30X2	461	
132S	2-8	275	38	215	205	75	M12X28	80	56	10	33	8	14	169	265	230	300	14.5	4	M30X2	491.5	
132M	2-8	275	38	215	205	75	M12X28	80	56	10	33	8	14	169	265	230	300	14.5	4	M30X2	529.5	
160M	2-8	330	42	265	250	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	657.5	702.5
160L	2-8	330	42	265	250	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	679.5	724.5
180M	2-8	380	48	280	270	95	M16X36	110	80	14	42.5	9	15	277	300	250	350	18.5	5	M36X2	721	766
180L	2-8	380	48	280	270	95	M16X36	110	80	14	42.5	9	15	277	300	250	350	18.5	5	M36X2	769	814
200L	2-8	420	55	315	325	120	M20X42	110	80	16	49	10	17	300	350	300	400	18.5	5	M48X2	781	856
225S	4-8	465	60	335	335	120	M20X42	140	100	18	53	11	19	340	400	350	450	18.5	5	M48X2	831	906
225M	2	465	55	335	335	120	M20X42	110	80	16	49	10	19	310	400	350	450	18.5	5	M48X2	821	896
225M	4-8	465	60	335	335	120	M20X42	140	100	18	53	11	19	340	400	350	450	18.5	5	M48X2	856	931
250M	2	520	60	375	370	160	M20X42	140	100	18	53	11	20	360	500	450	550	18.5	5	M64X2	935	1010
250M	4-8	520	65	375	370	160	M20X42	140	100	18	58	11	20	360	500	450	550	18.5	5	M64X2	941	1016
280S	2	570	65	395	400	160	M20X42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64X2	965	1050
280S	4-8	570	75	395	400	160	M20X42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64X2	969	1054
280M	2	570	65	395	400	160	M20X42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64X2	1005	1090
280M	4-8	570	75	395	400	160	M20X42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64X2	1009	1094
315S	2	650	65	500	495	195	M20X42	140	100	18	58	11	24	387	600	550	660	24	6	M64X2	1145	1230
315M	2	650	65	500	495	195	M20X42	140	100	18	58	11	24	387	600	550	660	24	6	M64X2	1255	1340
315L	2	650	65	500	495	195	M20X42	140	100	18	58	11	24	387	600	550	660	24	6	M64X2	1255	1340
315S	4-8	650	80	500	495	195	M20X42	170	130	22	71	14	24	417	600	550	660	24	6	M64X2	1196	1281
315M	4-8	650	80	500	495	195	M20X42	170	130	22	71	14	24	417	600	550	660	24	6	M64X2	1306	1391
315L	4-8	650	80	500	495	195	M20X42	170	130	22	71	14	24	417	600	550	660	24	6	M64X2	1306	1391
355M(V1)	2	735	75	640	645	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355L(V1)	2	735	75	640	645	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355M(V1)	4-8	735	95	640	645	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L(V1)	4-8	735	95	640	645	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L	2	735	75	640	645	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1590	1690
355L	4-8	735	95	640	645	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1620	1720

Tips: The 'R 'dimensions is zero. The DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L and LM' with tolerance +-5 for frame 80-132,tolerance +-8 for frame 160-355.Due to the motors with frame size 355 have various powers ,the installation size is different, please consult the external outline drawing when ordering.

IE4 series Three-phase Asynchronous Motor



Product Introduction

IE4 series three-phase asynchronous motor is in line with the first efficiency standard in the provisions of GB18613-2012 "Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors". Meanwhile, IE4 efficiency standard is also satisfied in the provisions of IEC 60034-30-1:2014. Improvement of efficiency is in line with the state's requirements on the energy saving and consumption reduction of the manufacturing sector. IE4 series motors with the mounting dimension in accordance with standard IEC 60034, it has good features like optimum structure, attractive appearance, low noise, high efficiency, high protection class as well as high insulation class. IE4 series motors can be widely used in various kinds of general use machinery like fans, pumps, machine tools, compressors, transportation and so on, and can also be used in the hazardous areas without flame chemical, steel plants, mining industry.

Specification

◆ Site conditions

IE4 series motors are suitable for almost all applications and operate satisfactorily at

temperature from -15°C to +40°C and the altitude is not more than 1000 meters.

+ Temperature and insulation

155(F) class insulation system and temperature rise class B (80K) are adopted to the motor, which increase the motor useful life and reliability.

• Cooling and ventilation

The standard cooling method is totally Enclosed Fan cooled (TEFC) in accordance with IC411 of IEC 60034-6. Standard motors equipped with centrifugal plastic fans.

◆ Protection class

The standard protection degree of motor is IP55, which make moist and dusty condition is also allowable. High degree of protection is also available according to customer's requirement.

• Motor protection

The protection and measurement equipment to winding and bearing such as PTC, PT100 are available on request.

• Voltage and frequency

Standard voltage and frequency is 380V/50Hz, 200-660V special value on voltage and frequency is available on request. The motors will operate satisfactorily with variations of ±5% from the rated voltage.

• Quality assurance

Stringent quality procedures are observed from first design to finished products in accordance with ISO9001 documented quality systems.

● Technical Data

2pole-3000rpm synchronous speed 50HZ

Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE4-80M1-2	0.75	2855	1.6	1.5	1.5	1.2	84.9%	0.83	2.5	62	19
IE4-80M2-2	1.1	2855	2.3	2.2	2.1	1.7	86.7%	0.83	3.7	62	20
IE4-90S-2	1.5	2875	3.1	2.9	2.8	2.2	87.5%	0.85	5.0	67	23
IE4-90L-2	2.2	2875	4.4	4.1	4.0	3.2	89.1%	0.86	7.3	67	32
IE4-100L-2	3	2880	5.8	5.5	5.3	4.2	89.7%	0.87	9.9	74	45
IE4-112M-2	4	2900	7.6	7.3	7.0	5.5	90.3%	0.88	13.2	77	50
IE4-132S1-2	5.5	2900	10.4	9.9	9.5	7.5	91.5%	0.88	18.1	79	85
IE4-132S2-2	7.5	2900	13.9	13.2	12.7	10.1	92.1%	0.89	24.7	79	91
IE4-160M1-2	11	2940	20.2	19.2	18.5	14.6	93.0%	0.89	35.7	81	134
IE4-160M2-2	15	2940	27.4	26.0	25.1	19.8	93.4%	0.89	48.7	81	150
IE4-160L-2	18.5	2940	33.7	32.0	30.8	24.4	93.8%	0.89	60.1	81	170
IE4-180M-2	22	2955	39.8	37.8	36.4	28.8	94.4%	0.89	71.1	83	244
IE4-200L1-2	30	2965	54.2	51.5	49.6	39.2	94.5%	0.89	96.6	84	329
IE4-200L2-2	37	2965	66.6	63.3	61.0	48.2	94.8%	0.89	119.2	84	345
IE4-225M-2	45	2970	808	76.7	74.0	58.5	95.1%	0.89	144.7	86	436
IE4-250M-2	55	2975	98.4	93.5	90.1	71.2	95.4%	0.89	176.6	89	546
IE4-280S-2	75	2975	133.9	127.2	122.6	96.9	95.6%	0.89	240.8	91	681
IE4-280M-2	90	2975	160.4	152.4	146.9	116.1	95.8%	0.89	288.9	91	731
IE4-315S-2	110	2980	193.4	183.8	177.1	140.0	96.0%	0.9	352.5	92	1296
IE4-315M-2	132	2980	232.1	220.5	212.6	168.0	96.0%	0.9	423.0	92	1369
IE4-315L1-2	160	2980	280.8	266.7	257.1	203.2	96.2%	0.9	512.8	92	1463
IE4-315L-2	185	2980	321.1	305.0	294.0	232.4	96.2%	0.91	592.9	92	1539
IE4-315L2-2	200	2980	346.8	329.4	317.5	251.0	96.3%	0.91	640.9		1544
IE4-355M1-2	220	2980	381.4	362.4	349.3	276.1	96.3%	0.91	705.0	100	1720
IE4-355M2-2	250	2980	433.0	411.4	396.5	313.4	96.4%	0.91	801.2	100	1830
IE4-355L1-2	280	2980	485.0	460.7	444.1	351.0	96.4%	0.91	897.3	100	1960
IE4-355L2-2	315	2980	545.0	517.8	499.1	394.5	96.5%	0.91	1009.5	100	2160
IE4-355I-2	355	2980	620.4	589.4	568.1	449.1	96.6%	0.91	1137.6	104	2280
IE4-355I2-2	400	2980	699.1	664.1	640.1	506.0	96.6%	0.91	1201.7	104	2360

4pole-1500rpm synchronous speed 50HZ

Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE4-80M2-4	0.75	1400	1.8	1.7	1.6	1.3	85.6%	0.74	5.1	56	20
IE4-90S-4	1.1	1425	2.5	2.4	2.3	1.8	87.4%	0.75	7.4	59	27
IE4-90L-4	1.5	1425	3.3	3.2	3.0	2.4	88.1%	0.78	10.1	59	30
IE4-100L1-4	2.2	1440	4.7	4.5	4.3	3.4	89.7%	0.797	14.6	64	41
IE4-100L2-4	3	1440	6.3	6.0	5.8	4.6	90.3%	0.8	19.9	64	46
IE4-112M-4	4	1450	8.4	7.9	7.7	6.0	90.9%	0.8	26.3	65	54
IE4-132S-4	5.5	1455	11.3	10.8	10.4	8.2	92.1%	0.8	36.1	71	100
IE4-132M-4	7.5	1455	15.2	14.4	13.9	11.0	92.6%	0.81	49.2	71	112
IE4-160M-4	11	1465	21.5	20.4	19.7	15.6	93.6%	0.83	71.7	73	148
IE4-160L-4	15	1465	28.9	27.4	26.4	20.9	94.0%	0.84	97.8	73	172
IE4-180M-4	18.5	1470	35.1	33.3	32.1	25.4	94.3%	0.85	120.2	76	241
IE4-180L-4	22	1475	41.5	39.4	38.0	30.1	94.7%	0.85	142.4	76	257
IE4-200L-4	30	1475	56.4	53.6	51.7	40.9	95.0%	0.85	194.2	76	366
IE4-225S-4	37	1480	68.6	65.2	62.8	49.6	95.3%	0.86	238.8	78	407
IE4-225M-4	45	1480	83.2	79.0	76.1	60.2	95.6%	0.86	290.4	78	435
IE4-250M-4	55	1480	101.4	96.4	92.9	73.4	95.8%	0.86	354.9	79	553
IE4-280S-4	75	1485	136.4	129.6	124.9	98.8	96.0%	0.87	482.3	80	717
IE4-280M-4	90	1485	161.5	153.5	147.9	116.9	96.2%	0.88	578.8	80	788
IE4-315S-4	110	1485	194.8	185.1	178.4	141.0	96.4%	0.89	707.4	88	1320
IE4-315M-4	132	1485	233.5	221.8	213.8	169.0	96.5%	0.89	848.9	88	1387
IE4-315L1-4	160	1485	279.9	265.9	256.3	202.6	96.5%	0.9	1029.0	88	1458
IE4-315L-4	185	1485	323.6	307.5	296.4	234.3	96.5%	0.9	1189.7	88	1540
IE4-315L2-4	200	1485	349.5	332.0	320.0	253.0	96.6%	0.9	1286.2	88	1545
IE4-355M1-4	220	1490	384.1	364.9	351.7	278.0	96.7%	0.9	1410.1	95	1750
IE4-355M2-4	250	1490	436.5	414.6	399.6	315.9	96.7%	0.9	1602.3	95	1840
IE4-355L1-4	280	1490	488.8	464.4	447.6	353.8	96.7%	0.9	1794.6	95	1930
IE4-355L2-4	315	1490	549.4	521.9	503.0	397.6	96.8%	0.9	2019.0	95	2280
IE4-355L-4	355	1490	626.1	594.8	573.3	453.2	96.8%	0.9	2275.3	95	2396
IE4-355L2-4	400	1490	713.5	677.8	653.3	516.4	96.8%	0.9	2563.8	95	2480

6pole-1000rpm synchronous speed 50HZ

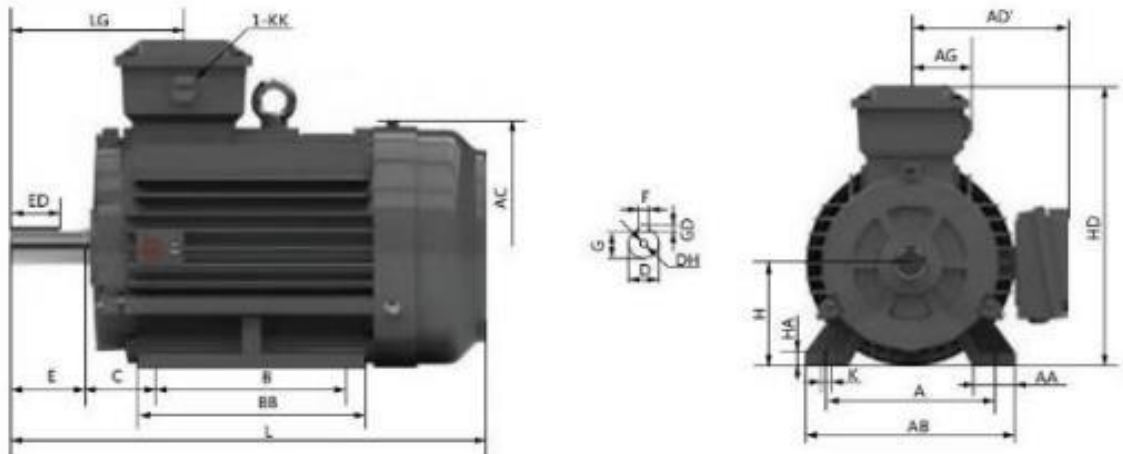
Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE4-90S-6	0.75	935	2.0	1.9	1.8	1.4	83.1%	0.70	7.7	57	25
IE4-90L-6	1.1	940	2.8	2.7	2.6	2.1	84.1%	0.70	11.2	57	30
IE4-100L-6	1.5	945	3.7	3.5	3.4	2.7	86.2%	0.71	15.2	61	40
IE4-112M-6	2.2	950	5.4	5.1	4.9	3.9	87.1%	0.71	22.1	65	46
IE4-132S-6	3	960	7.2	6.9	6.6	5.2	88.7%	0.71	29.8	69	83
IE4-132M1-6	4	960	9.4	8.9	8.6	6.8	89.7%	0.72	39.8	69	95
IE4-132M2-6	5.5	960	13.0	12.3	11.9	9.4	89.5%	0.72	54.7	69	110
IE4-160M-6	7.5	970	16.2	15.4	14.8	11.7	90.2%	0.78	73.8	73	146
IE4-160L-6	11	970	23.1	22.0	21.2	16.7	91.5%	0.79	108.3	73	168
IE4-180L-6	15	975	30.8	29.3	28.2	22.3	92.5%	0.80	146.9	73	204
IE4-200L1-6	18.5	975	37.7	35.9	34.6	27.3	93.1%	0.80	181.2	73	308
IE4-200L2-6	22	975	43.9	41.8	40.2	31.8	93.9%	0.81	215.5	73	326
IE4-225M-6	30	985	58.9	56.0	54.0	42.7	94.3%	0.82	290.9	74	397
IE4-250M-6	37	985	71.6	68.0	65.6	51.8	94.6%	0.83	358.7	76	477
IE4-280S-6	45	985	84.8	80.5	77.6	61.4	94.9%	0.85	436.3	78	702
IE4-280M-6	55	985	102.1	97.0	93.5	73.9	95.2%	0.86	533.2	78	763
IE4-315S-6	75	990	142.2	135.1	130.2	102.9	95.4%	0.84	723.5	83	1265
IE4-315M-6	90	990	168.3	159.9	154.1	121.8	95.6%	0.85	868.2	83	1334
IE4-315L1-6	110	990	205.7	195.4	188.3	148.9	95.6%	0.85	1061.1	83	1465
IE4-315L2-6	132	990	243.4	231.3	222.9	176.2	95.8%	0.86	1273.3	83	1525
IE4-355M1-6	160	990	294.5	279.7	269.6	213.1	96.0%	0.86	1543.4	85	1680
IE4-355M-6	185	990	340.1	323.1	311.4	246.2	96.1%	0.86	1784.6	85	1730
IE4-355M2-6	200	990	367.7	349.3	336.7	266.1	96.1%	0.86	1929.3	85	1810
IE4-355L1-6	220	990	404.5	384.2	370.3	292.7	96.1%	0.86	2122.2	85	1960
IE4-355L2-6	250	990	459.6	436.6	420.8	332.7	96.1%	0.86	2411.6	85	2250
IE4-3551-6	280	990	514.8	489.0	471.3	372.6	96.1%	0.86	2701.0	91	2440
IE4-3552-6	315	990	592.9	563.2	542.9	429.1	96.1%	0.86	3038.6	91	2490

8pole-750rpm synchronous speed 50HZ

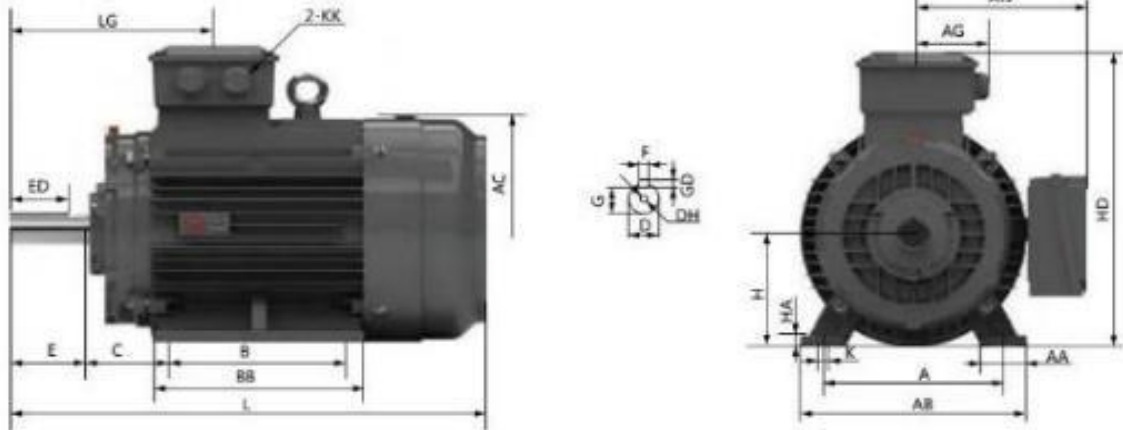
Motor Type	Rated Output (KW)	Rated Speed(rpm)	IFL380V(A)	IFL400V(A)	IFL415V(A)	IFL525V(A)	EFF (%)	Power Factor(COSφ)	Rated Torque (Nm.)	Noise Level LW dB(A)	Net Weight(kg)
IE4-100L1-8	0.75	690	2.2	2.1	2	1.6	78.40%	0.66	10.4	59	45
IE4-100L2-8	1.1	690	3.1	2.9	2.8	2.2	80.80%	0.67	15.2	59	47
IE4-112M-8	1.5	690	4	3.8	3.7	2.9	82.60%	0.69	20.8	61	50
IE4-132S-8	2.2	710	5.7	5.4	5.2	4.1	84.50%	0.7	29.6	64	65
IE4-132M-8	3	710	7.6	7.2	6.9	5.5	85.90%	0.7	40.4	64	75
IE4-160M1-8	4	720	9.8	9.3	9	7.1	87.10%	0.71	53.1	68	101
IE4-160M2-8	5.5	720	13.1	12.5	12	9.5	88.30%	0.72	73.0	68	125
IE4-160L-8	7.5	720	17.2	16.4	15.8	12.5	89.30%	0.74	99.5	68	135
IE4-180L-8	11	730	25	23.7	22.9	18.1	90.40%	0.74	143.9	70	200
IE4-200L-8	15	730	33.3	31.7	30.5	24.1	91.20%	0.75	196.2	73	240
IE4-225S-8	18.5	730	40.9	38.8	37.4	29.6	91.70%	0.75	242.0	73	280
IE4-225M-8	22	740	47.8	45.4	43.7	34.6	92.10%	0.76	283.9	73	310
IE4-250M-8	30	740	63.9	60.7	58.5	46.2	92.70%	0.77	387.2	75	400
IE4-280S-8	37	740	77.4	73.5	70.9	56	93.10%	0.78	477.5	76	530
IE4-280M-8	45	740	93.9	89.2	85.9	67.9	93.40%	0.78	580.7	76	590
IE4-315S-8	55	740	111.5	105.9	102.1	80.7	93.70%	0.8	709.8	82	790
IE4-315M-8	75	740	151.2	143.7	138.5	109.4	94.20%	0.8	967.9	82	1100
IE4-315L1-8	90	740	178.8	169.9	163.8	129.4	94.40%	0.81	1161.5	82	1160
IE4-315L2-8	110	740	217.9	207	199.5	157.7	94.70%	0.81	1419.6	82	1260
IE4-355M1-8	132	740	261.0	247.9	239	188.8	94.9%	0.81	1703.5	89	1760
IE4-355M-8	160	740	315.6	300	289	228.4	95.1%	0.82	2064.9	89	1850
IE4-355L1-8	185	740	363.8	345.6	333	263.3	95.4%	0.82	2387.5	89	1990
IE4-355L2-8	200	740	393.2	373.6	360	284.6	95.4%	0.82	2581.1	89	2380
IE4-355L-8	220	740	432.6	411	396	313	95.4%	0.82	2839.2	89	2430
IE4-355L2-8	250	740	491.6	467	450	355.8	95.4%	0.82	3226.4	89	2496

◆ Dimensions Foot Mount B3

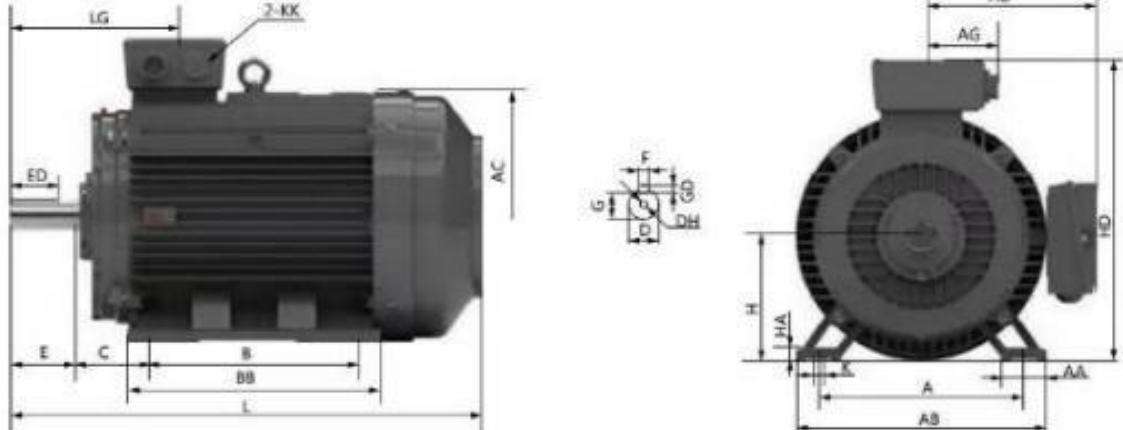
YE4-80~132



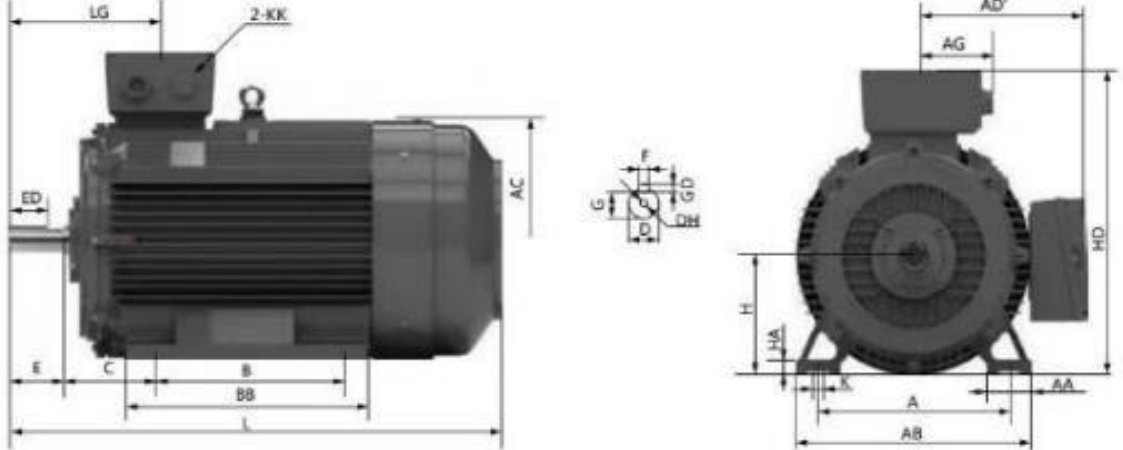
YE4-160~200



YE4-225~280



YE4-315~355



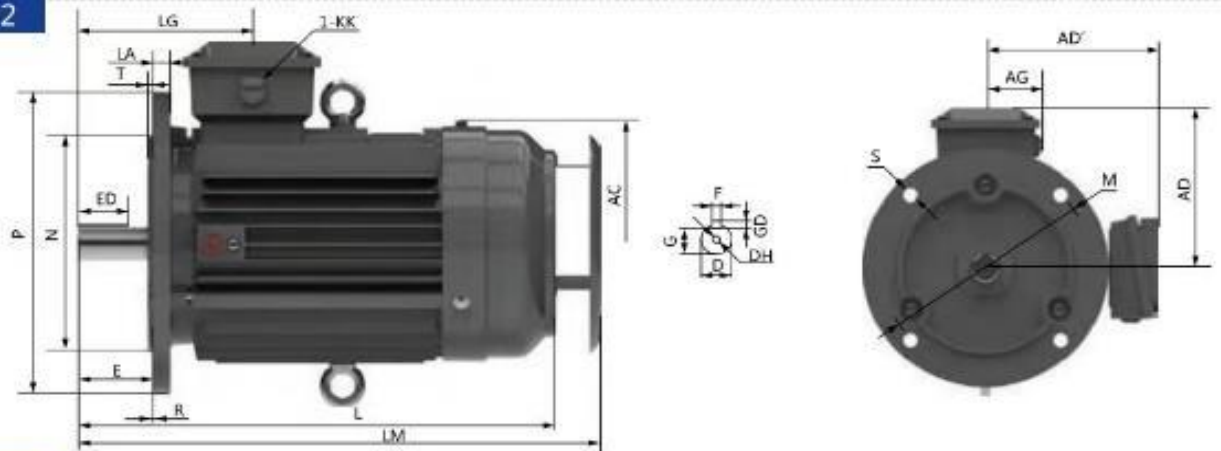
Dimensions Foot Mount B3

FRAME SIZE	POLES	A	AA	AB	AC	AD'	AG	B	BB	C	D	DH*	E	ED	F	G	GD	H	HA	HD	K	KK	L*	LG
80M	2-8	125	34	165	175	145	51	100	142	50	19	M6X16	40	22	6	15.5	6	80	10	235	10	M24X1.5	301	115
90S	2-8	140	36	180	205	155	60	100	180	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	M24X1.5	360	129
90L	2-8	140	36	180	205	155	60	125	210	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	M24X1.5	390	129
100L	2-8	160	40	205	215	165	60	140	233	63	28	M10X22	60	40	8	24	7	100	14	275	12	M24X1.5	433.5	147
112M	2-8	190	45	230	236	185	75	140	252	70	28	M10X22	60	40	8	24	7	112	14	307	12	M30X2	461	144
132S	2-8	216	52	270	275	215	75	140	242	89	38	M12X28	80	56	10	33	8	132	16	347	12	M30X2	477	250
132M	2-8	216	52	270	275	215	75	178	242	89	38	M12X28	80	56	10	33	8	132	16	347	12	M30X2	515	250
160M	2-8	254	67	320	340	255	95	210	305	108	42	M16X36	110	80	12	37	8	160	19	430	14.5	M36X2	656.5	270
160L	2-8	254	67	320	340	255	95	254	375	108	42	M16X36	110	80	12	37	8	160	19	430	14.5	M36X2	728.5	270
180M	2-8	279	70	345	385	300	120	241	420	121	48	M16x36	110	80	14	42.5	9	180	22	480	14.5	M48x2	818	288
180L	2-8	279	70	345	385	300	120	279	420	121	48	M16x36	110	80	14	42.5	9	180	22	480	14.5	M48x2	818	288
200L	2-8	318	70	390	440	325	120	305	490	133	55	M20x42	110	80	16	49	10	200	25	525	18.5	M48x2	908.5	298
225S	4-8	356	75	435	490	370	160	286	475	149	60	M20x42	140	100	18	53	11	225	28	595	18.5	M64x2	958	350
225M	2	356	75	435	490	370	160	311	475	149	55	M20x42	110	80	16	49	10	225	28	595	18.5	M64x2	928	320
225M	4-8	356	75	435	490	370	160	311	475	149	60	M20x42	140	100	18	53	11	225	28	595	18.5	M64x2	958	350
250M	2	406	80	485	545	390	160	349	515	168	60	M20x42	140	100	18	53	11	250	33	645	24	M64x2	981	350
250M	4-8	406	80	485	545	390	160	349	515	168	65	M20x42	140	100	18	58	11	250	33	645	24	M64x2	981	350
280S	2	457	85	550	610	415	160	368	554	190	65	M20x42	140	100	18	58	11	280	35	700	24	M64x2	1028	350
280S	4-8	457	85	550	610	415	160	368	554	190	75	M20x42	140	100	20	67.5	12	280	35	700	24	M64x2	1042	350
280M	2	457	85	550	610	415	160	419	554	190	65	M20x42	140	100	18	58	11	280	35	700	24	M64x2	1028	350
280M	4-8	457	85	550	610	415	160	419	554	190	75	M20x42	140	100	20	67.5	12	280	35	700	24	M64x2	1042	350
315S	2	508	120	635	670	600	260	406	790	216	65	M20x42	140	100	18	58	11	315	35	920	28	M72x2	1419	387
315M	2	508	120	635	670	600	260	457	790	216	65	M20x42	140	100	18	58	11	315	35	920	28	M72x2	1419	387
315L	2	508	120	635	670	600	260	508	790	216	65	M20x42	140	100	18	58	11	315	35	920	28	M72x2	1419	387
315S	4-8	508	120	635	670	600	260	406	790	216	80	M20x42	170	130	22	71	14	315	35	920	28	M72x2	1492	417
315M	4-8	508	120	635	670	600	260	457	790	216	80	M20x42	170	130	22	71	14	315	35	920	28	M72x2	1492	417
315L	4-8	508	120	635	670	600	260	508	790	216	80	M20x42	170	130	22	71	14	315	35	920	28	M72x2	1492	417
355M	2	610	125	735	735	640	260	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72x2	1490	415
355L	2	610	125	735	735	640	260	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72x2	1490	415
355M	4-8	610	125	735	735	640	260	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72x2	1520	445
355L	4-8	610	125	735	735	640	260	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72x2	1520	445
355L	2	610	125	735	735	640	260	630	875	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72x2	1590	415
355L	4-8	610	125	735	735	640	260	630	875	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72x2	1620	445

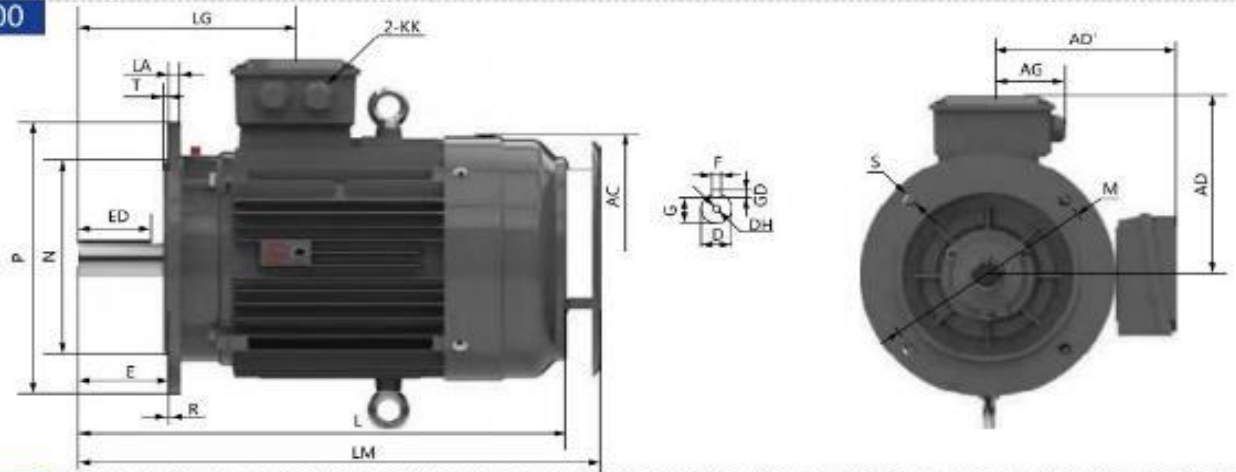
Tips: The'DH'defaults to a non-threaded center hole and it can be machined into a threaded hole as required.The dimension of 'L with tolerance +-5 for frame 80-132,tolerance +-8 for frame 160-355.Due to the motors with frame size 355 have various powers,the installation size is different,please consult the external outline drawing when ordering.

◆ Dimensions Foot Mount B35

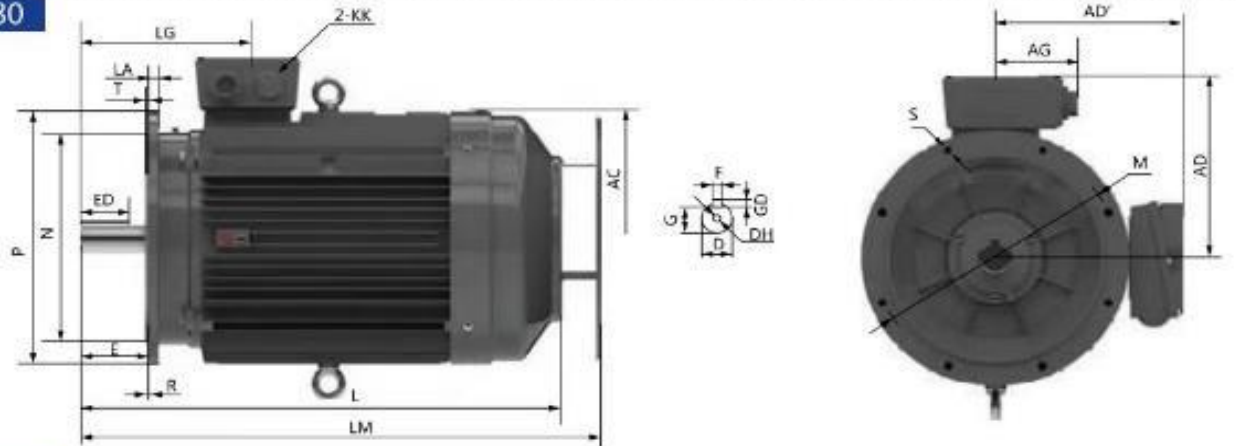
YE4-80~132



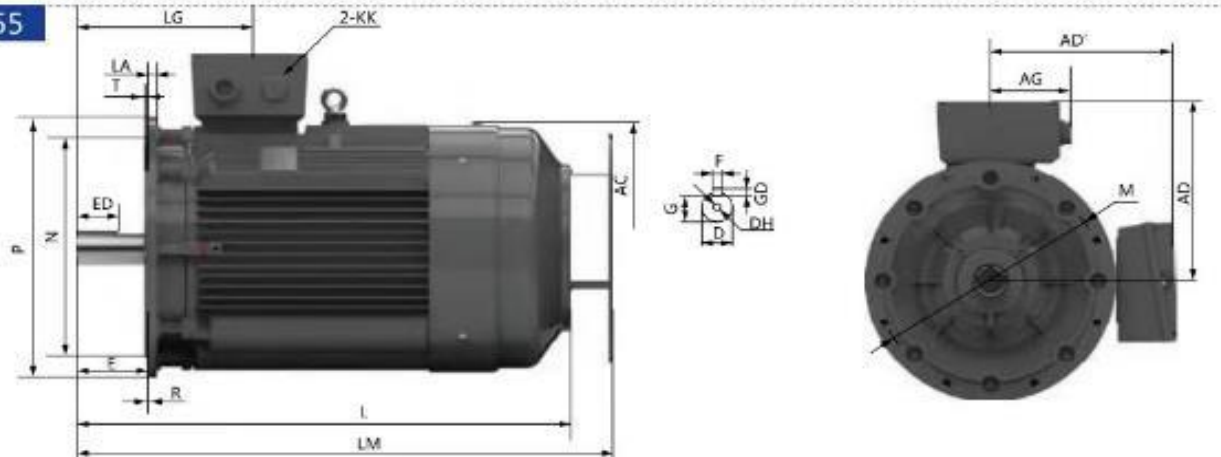
YE4-160~200



YE4-225~280



YE4-315~355



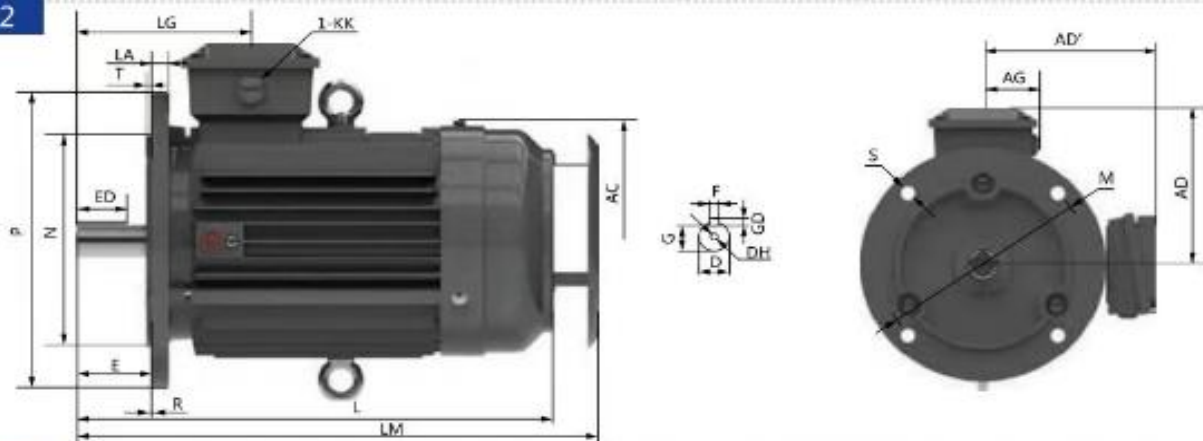
Dimensions Foot Flange Mount B35

FRAME SIZE	POLES	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	ED	F	G	GD	H	HA	HD	K	L	LA	LG	M	N	P	S	T	KK
80M	2-8	125	34	165	175	145	51	100	142	50	19	M6X16	40	22	6	15.5	6	80	10	235	10	301	14	115	165	130	200	12	3.5	M24X1.5
90S	2-8	140	36	180	205	155	60	100	180	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	360	12	129	165	130	200	12	3.5	M24X1.5
90L	2-8	140	36	180	205	155	60	125	210	56	24	M8X19	50	32	8	20	7	90	12.5	260	10	390	12	129	165	130	200	12	3.5	M24X1.5
100L	2-8	160	40	205	215	165	60	140	233	63	28	M10X22	60	40	8	24	7	100	14	275	12	433.5	14	147	215	180	250	14.5	4	M24X1.5
112M	2-8	190	45	230	236	185	75	140	252	70	28	M10X22	60	40	8	24	7	112	14	307	12	461	12	144	215	180	250	14.5	4	M30X2
132S	2-8	216	52	270	275	215	75	140	242	89	38	M12X28	80	56	10	33	8	132	16	347	12	477	14	250	265	230	300	14.5		M30X2
132M	2-8	216	52	270	275	215	75	178	242	89	38	M12X28	80	56	10	33	8	132	16	347	12	515	14	250	265	230	300	14.5	4	M30X2
160M	2-8	254	67	320	340	255	95	210	305	108	42	M16X36	110	80	12	37	8	160	19	430	14.5	656.5	15	270	300	250	350	18.5	5	M36X2
160L	2-8	254	67	320	340	255	95	254	375	108	42	M16X36	110	80	12	37	8	160	19	430	14.5	728.5	15	270	300	250	350	18.5	5	M36X2
180M	2-8	279	70	345	385	300	120	241	420	121	48	M16x36	110	80	14	42.5	9	180	22	480	14.5	818	15	288	300	250	350	18.5	5	M48x2
180L	2-8	279	70	345	385	300	120	279	420	121	48	M16x36	110	80	14	42.5	9	180	22	480	14.5	818	15	288	300	250	350	18.5	5	M48x2
200L	2-8	318	70	390	440	325	120	305	490	133	55	M20x42	110	80	16	49	10	200	25	525	18.5	908.5	17	298	350	300	400	18.5	5	M48x2
225S	4-8	356	75	435	490	370	160	286	475	149	60	M20x42	140	100	18	53	11	225	28	595	18.5	958	19	350	400	350	450	18.5	5	M64x2
225M	2	356	75	435	490	370	160	311	475	149	55	M20x42	110	80	16	49	10	225	28	595	18.5	928	19	320	400	350	450	18.5	5	M64)
225M	4-8	356	75	435	490	370	160	311	475	149	60	M20x42	140	100	18	53	11	225	28	595	18.5	958	19	350	400	350	450	18.5	5	M64)
250M	2	406	80	485	545	390	160	349	515	168	60	M20x42	140	100	18	53	11	250	33	645	24	981	22	350	500	450	550	18.5	5	M64x
250M	4-8	406	80	485	545	390	160	349	515	168	65	M20x42	140	100	18	58	11	250	33	645	24	981	22	350	500	450	550	18.5	5	M64x2
280S	2	457	85	550	610	415	160	368	554	190	65	M20x42	140	100	18	58	11	280	35	700	24	1028	22	350	500	450	550	18.5	5	M64x2
280S	4-8	457	85	550	610	415	160	368	554	190	75	M20x42	140	100	20	67.5	12	280	35	700	24	1042	22	350	500	450	550	18.5	5	M64x2
280M	2	457	85	550	610	415	160	419	554	190	65	M20x42	140	100	18	58	11	280	35	700	24	1028	22	350	500	450	550	18.5	5	M64x2
280M	4-8	457	85	550	610	415	160	419	554	190	75	M20x42	140	100	20	67.5	12	280	35	700	24	1042	22	350	500	450	550	18.5	5	M64x2
315S	2	508	120	635	670	600	260	406	790	216	65	M20x42	140	100	18	58	11	315	35	920	28	1419	24	387	600	550	660	24	6	M72x2
315M	2	508	120	635	670	600	260	457	790	216	65	M20x42	140	100	18	58	11	315	35	920	28	1419	24	387	600	550	660	24	6	M72x2
315L	2	508	120	635	670	600	260	508	790	216	65	M20x42	140	100	18	58	11	315	35	920	28	1419	24	387	600	550	660	24	6	M72x2
315S	4-8	508	120	635	670	600	260	406	790	216	80	M20x42	170	130	22	71	14	315	35	920	28	1492	24	417	600	550	660	24	6	M72x2
315M	4-8	508	120	635	670	600	260	457	790	216	80	M20x42	170	130	22	71	14	315	35	920	28	1492	24	417	600	550	660	24	6	M72x2
315L	4-8	508	120	635	670	600	260	508	790	216	80	M20x42	170	130	22	71	14	315	35	920	28	1492	24	417	600	550	660	24	6	M72x2
355M	2	610	125	735	735	640	260	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1490	25	415	740	680	800	24	6	M72X2
355L	2	610	125	735	735	640	260	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1490	25	415	740	680	800	24	6	M72X2
355M	4-8	610	125	735	735	640	260	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1520	25	445	740	680	800	24	6	M72X2
355L	4-8	610	125	735	735	640	260	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1520	25	445	740	680	800	24	6	M72X2
355L	2	610	125	735	735	640	260	630	875	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	1590	25	415	740	680	800	24	6	M72X2
355L	4-8	610	125	735	735	640	260	630	875	254	95	M24X50	170	140	25	86	14	355	49	1000	28	1620	25	445	740	680	800	24	6	M72X2

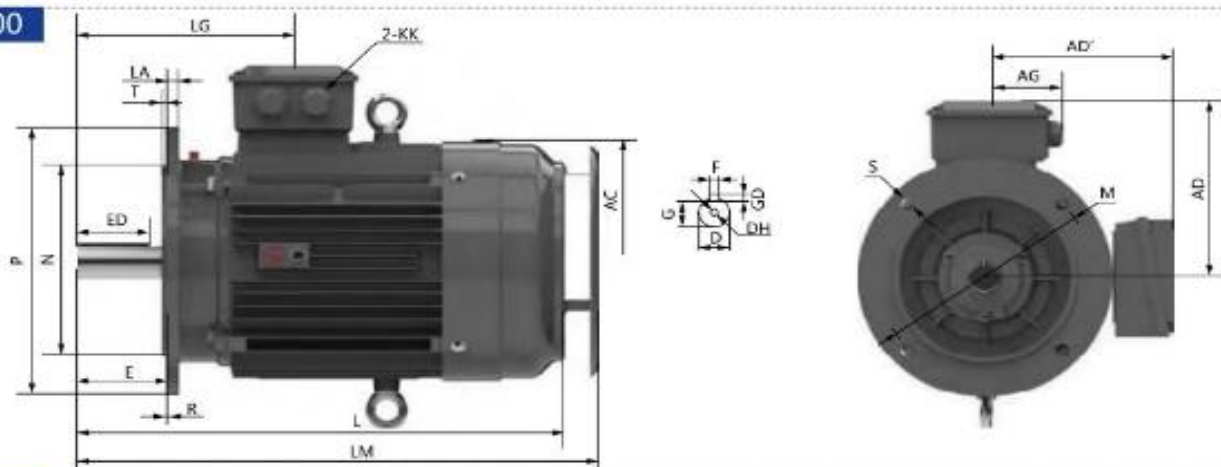
TIPS : The 'R' dimensions is zero. The 'DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L' with tolerance +-5 for frame 80-132, tolerance +-8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering.

• Dimensions Foot Mount B5&V1

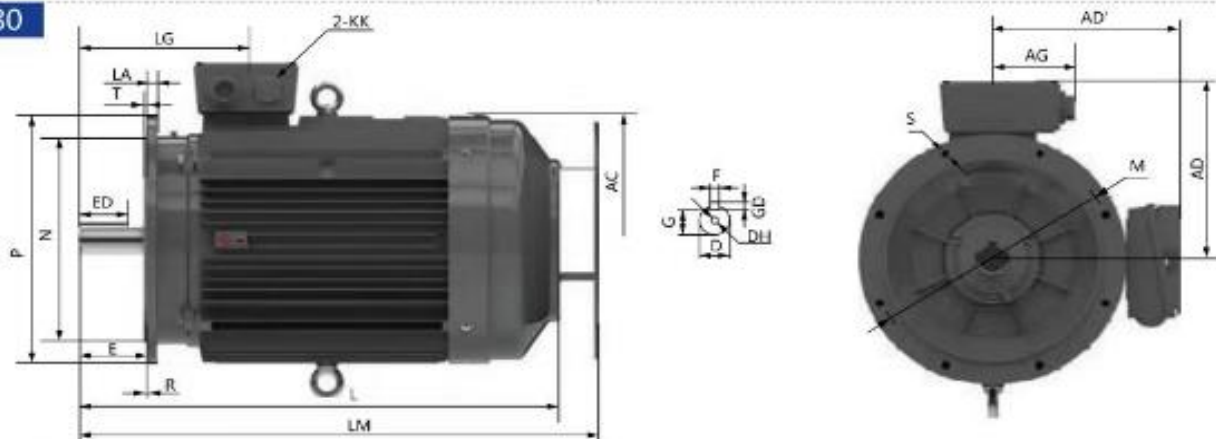
YE4-80~132



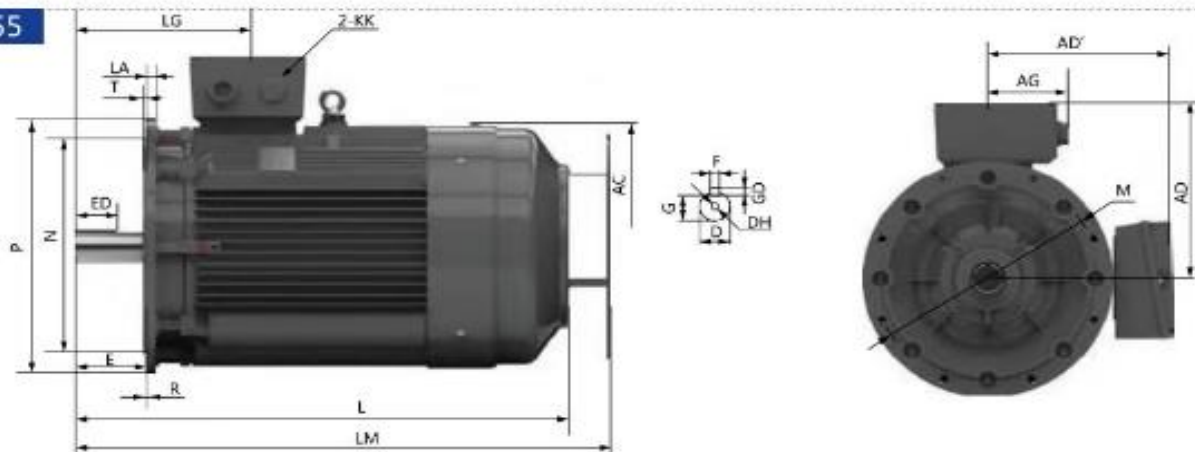
YE4-160~200



YE4-225~280



YE4-315~355



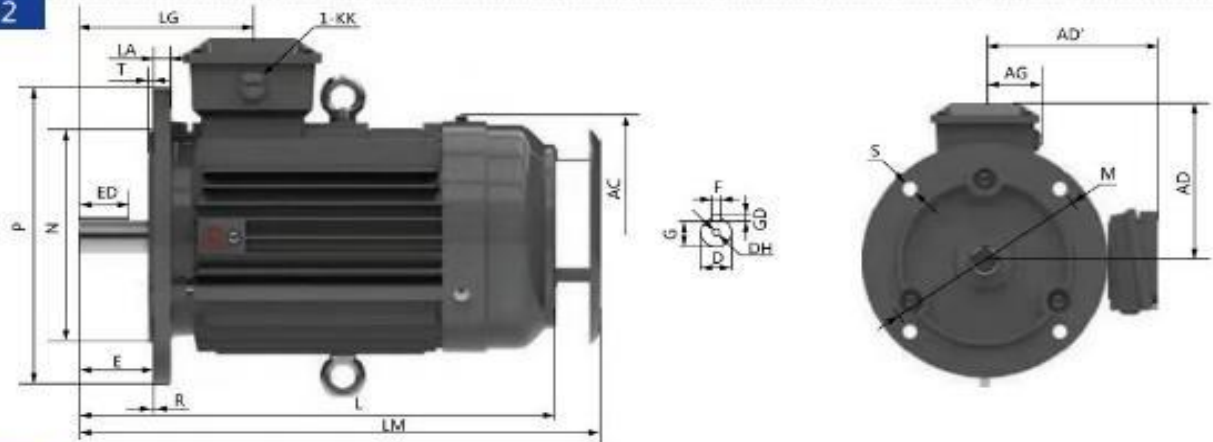
Dimensions Flange Mount B5&V1

FRAME SIZE	POLES	AC	D	AD	AD	AG	DH	E	ED	F	G	GD	LA	LG	M	N	P	S	T	KK	L	LM
80M	2-8	175	19	155	145	51	M6X16	40	22	6	15.5	6	14	115	165	130	200	12	3.5	M24X1.5	301	
90S	2-8	205	24	170	155	60	M8X19	50	32	8	20	7	12	129	165	130	200	12	3.5	M24X1.5	360	-
90L	2-8	205	24	170	155	60	M8X19	50	32	8	20	7	12	129	165	130	200	12	3.5	M24X1.5	390	-
100L	2-8	215	28	175	165	60	M10X22	60	40	8	24	7	14	147	215	180	250	14.5	4	M24X1.5	433.5	-
112M	2-8	236	28	195	185	75	M10X22	60	40	8	24	7	12	144	215	180	250	14.5	4	M30X2	461	-
132S	2-8	275	38	215	215	75	M12X28	80	56	10	33	8	14	250	265	230	300	14.5	4	M30X2	477	-
132M	2-8	275	38	215	215	75	M12X28	80	56	10	33	8	14	250	265	230	300	14.5	4	M30X2	515	-
160M	2-8	340	42	270	255	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	656.5	701.5
160L	2-8	340	42	270	255	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	728.5	773.5
80M	2-8	385	48	300	300	120	M16x36	110	80	14	42.5	9	15	288	300	250	350	18.5	5	M48x2	818	863
180L	2-8	385	48	300	300	120	M16x36	110	80	14	42.5	9	15	288	300	250	350	18.5	5	M48x2	818	863
200L	2-8	440	55	325	325	120	M20x42	110	80	16	49	10	17	298	350	300	400	18.5	5	M48x2	908.5	984
225S	4-8	490	60	370	370	160	M20x42	140	100	18	53	11	19	350	400	350	450	18.5	5	M64x2	958	103
225M	2	490	55	370	370	160	M20x42	110	80	16	49	10	19	320	400	350	450	18.5	5	M64x2	928	100
225M	4-8	490	60	370	370	160	M20x42	140	100	18	53	11	19	350	400	350	450	18.5	5	M64x2	958	1033
250M	2	545	60	390	390	160	M20x42	140	100	18	53	11	22	350	500	450	550	18.5	5	M64x2	981	1056
250M	4-8	545	65	390	390	160	M20x42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64x2	981	1056
280S	2	610	65	415	415	160	M20x42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64x2	1028	1113
280S	4-8	610	75	415	415	160	M20x42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64x2	1042	1127
280M	2	610	65	415	415	160	M20x42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64x2	1028	1113
280M	4-8	610	75	415	415	160	M20x42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64x2	1042	1127
315S	2	670	65	600	600	260	M20x42	140	100	18	58	11	24	387	600	550	660	24	6	M72x2	1419	1504
315M	2	670	65	600	600	260	M20x42	140	100	18	58	11	24	387	600	550	660	24	6	M72x2	1419	1504
315L	2	670	65	600	600	260	M20x42	140	100	18	58	11	24	387	600	550	660	24	6	M72x2	1419	1504
315S	4-8	670	80	600	600	260	M20x42	170	130	22	71	14	24	417	600	550	660	24	6	M72x2	1492	1577
315M	4-8	670	80	600	600	260	M20x42	170	130	22	71	14	24	417	600	550	660	24	6	M72x2	1492	1577
315L	4-8	670	80	600	600	260	M20x42	170	130	22	71	14	24	417	600	550	660	24	6	M72x2	1492	1577
355M(V1)	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355L(V1)	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355MV1	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L(V1)	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1590	1690
355L	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1620	1720

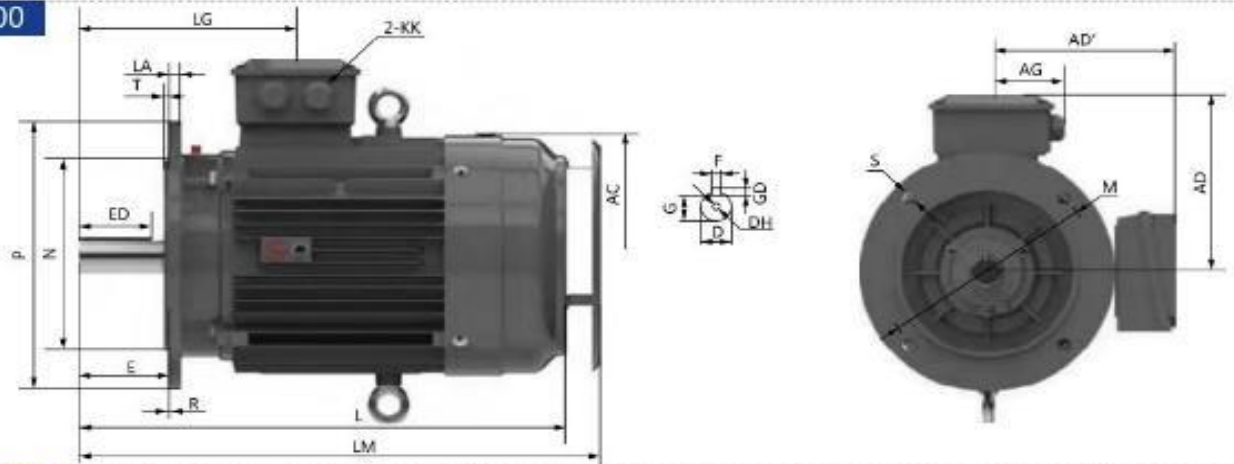
Tips : The 'R' dimensions is zero. The DH defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L' and 'LM' with tolerance +5 for frame 80-132, tolerance +8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering.】

◆ Dimensions Foot Mount B5&V1

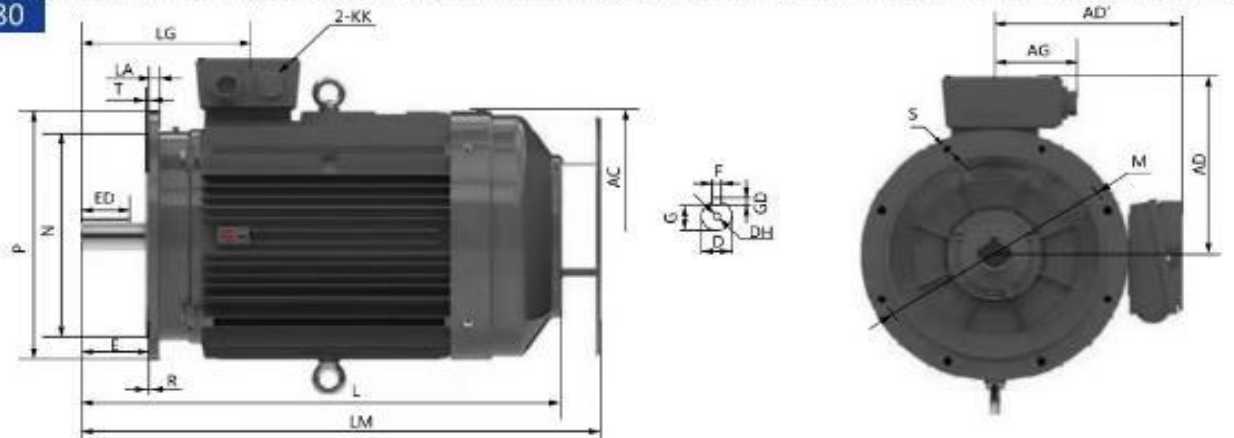
YE4-80~132



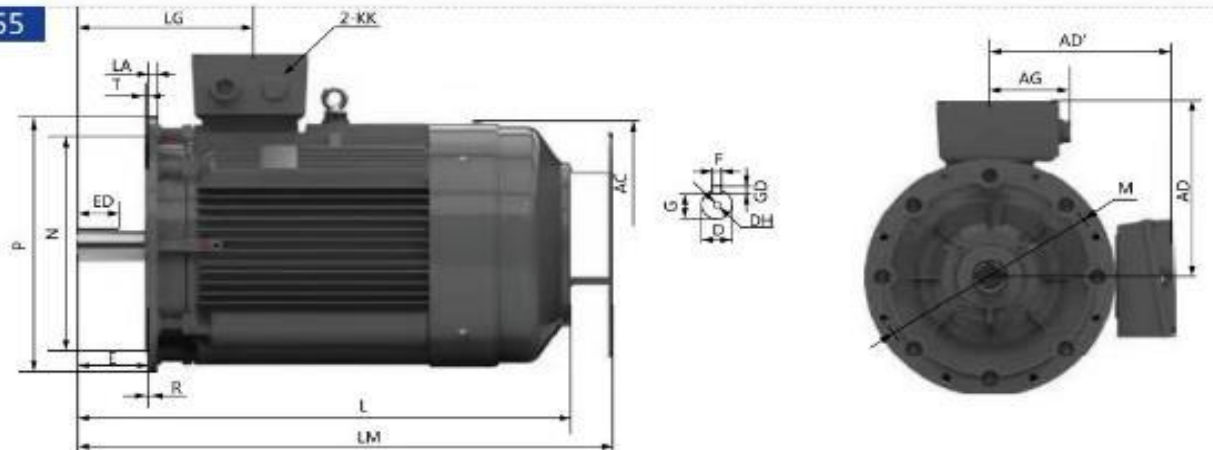
YE4-160~200



YE4-225~280



YE4-315~355



Dimensions Flange Mount B5&V1

FRAME SIZE	POLES	AC	D	AD	AD	AG	DH	E	ED	F	G	GD	LA	LG	M	N	P	S	T	KK	L	LM
80M	2-8	175	19	155	145	51	M6X16	40	22	6	15.5	6	14	115	165	130	200	12	3.5	M24X1.5	301	
90S	2-8	205	24	170	155	60	M8X19	50	32	8	20	7	12	129	165	130	200	12	3.5	M24X1.5	360	-
90L	2-8	205	24	170	155	60	M8X19	50	32	8	20	7	12	129	165	130	200	12	3.5	M24X1.5	390	-
100L	2-8	215	28	175	165	60	M10X22	60	40	8	24	7	14	147	215	180	250	14.5	4	M24X1.5	433.5	-
112M	2-8	236	28	195	185	75	M10X22	60	40	8	24	7	12	144	215	180	250	14.5	4	M30X2	461	-
132S	2-8	275	38	215	215	75	M12X28	80	56	10	33	8	14	250	265	230	300	14.5	4	M30X2	477	-
132M	2-8	275	38	215	215	75	M12X28	80	56	10	33	8	14	250	265	230	300	14.5	4	M30X2	515	-
160M	2-8	340	42	270	255	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	656.5	701.5
160L	2-8	340	42	270	255	95	M16X36	110	80	12	37	8	15	270	300	250	350	18.5	5	M36X2	728.5	773.5
80M	2-8	385	48	300	300	120	M16x36	110	80	14	42.5	9	15	288	300	250	350	18.5	5	M48x2	818	863
180L	2-8	385	48	300	300	120	M16x36	110	80	14	42.5	9	15	288	300	250	350	18.5	5	M48x2	818	863
200L	2-8	440	55	325	325	120	M20x42	110	80	16	49	10	17	298	350	300	400	18.5	5	M48x2	908.5	984
225S	4-8	490	60	370	370	160	M20x42	140	100	18	53	11	19	350	400	350	450	18.5	5	M64x2	958	103
225M	2	490	55	370	370	160	M20x42	110	80	16	49	10	19	320	400	350	450	18.5	5	M64x2	928	100
225M	4-8	490	60	370	370	160	M20x42	140	100	18	53	11	19	350	400	350	450	18.5	5	M64x2	958	1033
250M	2	545	60	390	390	160	M20x42	140	100	18	53	11	22	350	500	450	550	18.5	5	M64x2	981	1056
250M	4-8	545	65	390	390	160	M20x42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64x2	981	1056
280S	2	610	65	415	415	160	M20x42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64x2	1028	1113
280S	4-8	610	75	415	415	160	M20x42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64x2	1042	1127
280M	2	610	65	415	415	160	M20x42	140	100	18	58	11	22	350	500	450	550	18.5	5	M64x2	1028	1113
280M	4-8	610	75	415	415	160	M20x42	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M64x2	1042	1127
315S	2	670	65	600	600	260	M20x42	140	100	18	58	11	24	387	600	550	660	24	6	M72x2	1419	1504
315M	2	670	65	600	600	260	M20x42	140	100	18	58	11	24	387	600	550	660	24	6	M72x2	1419	1504
315L	2	670	65	600	600	260	M20x42	140	100	18	58	11	24	387	600	550	660	24	6	M72x2	1419	1504
315S	4-8	670	80	600	600	260	M20x42	170	130	22	71	14	24	417	600	550	660	24	6	M72x2	1492	1577
315M	4-8	670	80	600	600	260	M20x42	170	130	22	71	14	24	417	600	550	660	24	6	M72x2	1492	1577
315L	4-8	670	80	600	600	260	M20x42	170	130	22	71	14	24	417	600	550	660	24	6	M72x2	1492	1577
355M(V1)	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355L(V1)	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355MV1	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L(V1)	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L	2	735	75	645	640	260	M24X50	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1590	1690
355L	4-8	735	95	645	640	260	M24X50	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1620	1720

Tips : The 'R' dimensions is zero.The DH defaults to a non-threaded center hole and it can be machined into a threaded hole as required.The dimension of 'L' and 'LM'with tolerance++5 for frame 80-132,tolerance +-8 for frame 160-355.Due to the motors with frame size 355 have various powers,the installation size is different,please consult the external outline drawing when ordering.】、

YS/MS series square aluminum shell three-phase asynchronous motor



●Product Introduction

Unique appearance, and good to heat dissipation cooling. Modular design is more convenient for use and maintenance. Main material: ADC Al-silicon steel Class F, withstand high temperature enameled wire and color plated with high-strength screw C&U bearing, TCB bearing and 40Gr chrome steel rotor shaft. Appearance with paint varnish and bear mill and high temperature. Main technical index: Totally-closed Ingress protection: Ip55 Insulation Class F Temperature 150°C; Class B temperature rise Lower vibration, lower noise (noise database testing is lower than standards). Feet can be removed and flexible assembly B34 B35

Wide range of voltage: 1, 220V/380V/400V/415V 50HZ 2, 440V/460V 60HZ

Meet national energy-saving energy efficiency; Class 3

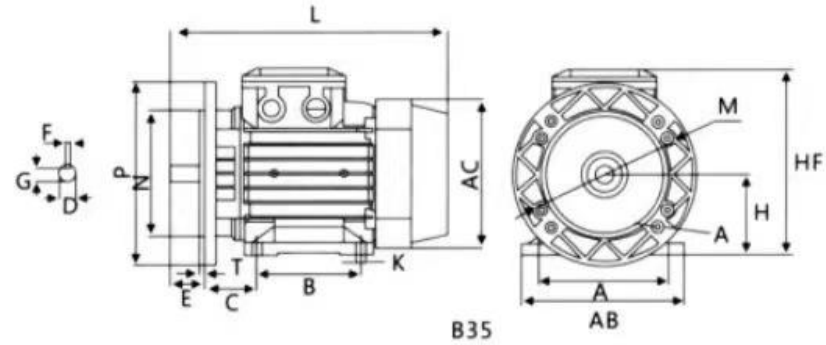
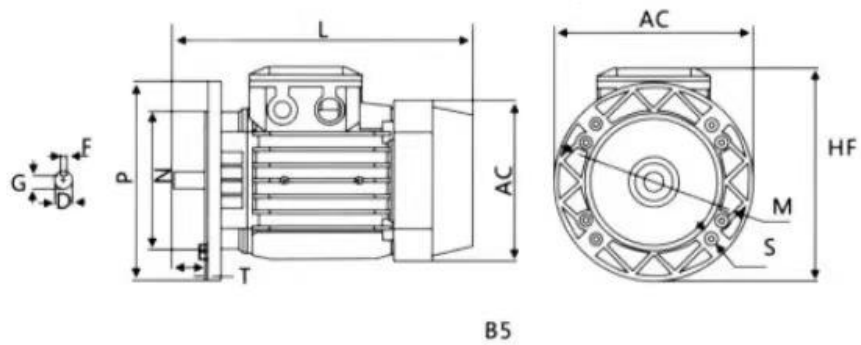
Motor technical reaches European high-efficiency motor standards. Rotor shaft handle rust powerful black hair more stylish, more rust and more durable

Conform to CE and CCC

Mounting dimensions and overall dimensions

FRA ME SIZE	A	B	C	D	E	F	G	H	K	M	N	P	S	T	A B	AC	H D	H F	L
63M	100	80	40	φ11	23	4	85	63	φ7	75/15	60/95	90/140	M5/P10	25	115	120* 120	171	178	205
71M	112	90	45	φ14	30	5	111	71	φ7	85/30	70/110	105/160	M6/φ10	35	136	130* 130	176	185	238
80M	125	100	50	φ19	40	6	166	80	φ10	100/165	80/130	120/200	M6/φ12	45	154	145* 145	190	200	265
90S	140	110	56	φ24	50	8	200	90	φ10	115/165	95/130	140/200	M8/φ12	55	180	177* 177	216	220	280
90L	145	112	56	φ24	50	8	200	90	φ10	115/165	95/130	140/200	M8/φ12	65	188	177* 177	216	220	280
100L	160	120	63	φ28	60	8	240	100	φ12	130/215	110/180	160/250	M8/φ15	45	205	197* 197	236	241	318
112M	180	140	70	φ28	60	8	240	112	φ12	130/215	110/180	160/250	M8/φ15	45	222	221* 221	258	260	361
132S	216	160	89	φ38	80	10	330	132	φ12	265	230	300	15	48	280	263* 263	296	318	482
132M	216	178	89	φ38	80	10	330	132	φ12	265	230	300	15	48	280	263* 263	296	318	522

- Mounting arrangements



▶ YVF2 series convertor-Fed Three-phase Induction Motor



● Product Introduction

YVF2 series frequency control of motor speed three-phase asynchronous motor is a special three-phase asynchronous motor with variable-frequency speed-regulating device as the power supply. The system composed with variable-frequency device can realize infinite speed-regulating and achieve the purpose of energy saving and control automation. YVF2 series motor adopts squirrel cage structure, reliable operation and easy maintenance. The motor is equipped with an independent axial fan to ensure that the motor has a better cooling effect at different rotate speeds. The main performance of this series of motors conforms to the relevant provisions of JB/T 7118-2014. The motor shell adopts the HM2 series of motor shell independently developed by your company. The motor installation size is the same as IE2 series of motors, which conforms to the provisions of Ec standards. YVF2 series motors can be applied to a variety of speed regulating transmission devices, widely used in light industry, textile, chemical industry, metallurgy, lifting machinery tools and other industries, with high precision sensors, can achieve high-precision closed-loop control.

● Specification

- site condition

The standard working conditions of YVF2

series motor are from -15°C to $+40^{\circ}\text{C}$, and the altitude is not more than 1000 meters.

- Temperature rise and insulation

155(F) class insulation system and temperature rise class B (80K) are adopted to the motor, which increase the motor useful life and reliability.

- cooling method

The motor is equipped with an independent axial fan, cooling method is IC416.

- protection degree

The standard protection degree of the motor is IP55.

- voltage, frequency

The standard voltage is 380V and the standard frequency is 50Hz.

- variable frequency range

The motor should be able to ensure torque (3Hz~50Hz) or constant power in the specified frequency range for operating (for 2 pole motors 50Hz~60Hz; for 4 pole, 6 pole motors except 355-4p 50Hz~100Hz; for 355-4 pole motor 50Hz~75Hz).

- ◆ connection

The motor of 55 KW and below is connected by Y, and the motor of 55KW and above is connected by Δ .

- ◆ protection for motor

PTC PT100 in windings and bearings can be installed as required.

- ◆ Motor sensor

Motor sensor can be installed according to customer's requirements.

- Quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality

● Technical Date

2pole-3000rpm synchronous speed 50HZ

Type	Rated Power(KW)	Rated Current(A)	Rated Torque(N-m)	Maximum Torque Rated Torque	Rated Speed(r/min)	Weight (kg)	
						IC416	IC411
YVF2-80M1-2	0.75	1.9	2.5	2.3	2855	19	17
YVF2-80M2-2	1.1	2.7	3.7	2.3	2855	21	19
YVF2-90S-2	1.5	3.5	5.0	2.3	2875	22	20
YVF2-90L-2	2.2	4.9	7.3	2.3	2875	27	25
YVF2-100L-2	3	6.4	9.9	2.3	2880	37	35
YVF2-112M-2	4	8.3	13.2	2.3	2900	44	40
YVF2-132S1-2	5.5	11.2	18	2.3	2900	69	60
YVF2-132S2-2	7.5	14.9	25	2.3	2900	74	65
YVF2-160M1-2	11	21.4	36	2.3	2940	122	110
YVF2-160M2-2	15	28.9	49	2.3	2940	132	120
YVF2-160L-2	18.5	35.4	60	2.3	2940	155	135
YVF2-180M-2	22	41.8	71	2.3	2955	190	170
YVF2-200L1-2	30	56.5	97	2.3	2965	255	230
YVF2-200L2-2	37	69.3	119	2.3	2965	270	240
YVF2-225M-2	45	83.8	145	2.3	2970	330	300
YVF2-250M-2	55	101.9	177	2.3	2975	430	400
YVF2-280S-2	75	138.1	241	2.3	2975	555	520
YVF2-280M-2	90	165.2	289	2.3	2975	610	575
YVF2-315S-2	110	199	353	2.2	2980	930	890
YVF2-315M-2	132	238.3	423	2.2	2980	1010	970
YVF2-315L1-2	160	284.8	513	2.2	2980	1110	1070
YVF2-315L2-2	200	355.2	641	2.2	2980	1170	1130
YVF2-355M-2	250	444.1	801	2.2	2980	1660	1620
YVF2-355L-2	315	559.5	1010	2.2	2980	1870	1830

4pole-1500rpm synchronous speed 50HZ

Type	Rated Power(KW)	Rated Current(A)	Rated Torque(N-m)	Maximum Torque Rated Torque	Rated Speed(r/min)	Weight (kg)	
						IC416	IC411
YVF2-80M1-4	0.55	1.6	3.8	2.3	1400	16	14
YVF2-80M2-4	0.75	2.1	5.1	2.3	1400	18	16
YVF2-90S-4	1.1	2.9	7.4	2.3	1425	20	18
YVF2-90L-4	1.5	3.8	10.1	2.3	1425	28	26
YVF2-100L1-4	2.2	5.2	14.6	2.3	1440	37	35
YVF2-100L2-4	3	6.9	19.9	2.3	1440	42	40
YVF2-112M-4	4	9.0	26.3	2.3	1450	49	45
YVF2-132S-4	5.5	12.0	36	2.3	1455	74	65
YVF2-132M-4	7.5	16.0	49	2.3	1455	84	75
YVF2-160M-4	11	23.0	72	2.3	1465	127	115
YVF2-160L-4	15	30.6	98	2.3	1465	142	130
YVF2-180M-4	18.5	37.0	120	2.3	1470	195	175
YVF2-180L-4	22	43.7	142	2.3	1475	220	200
YVF2-200L-4	30	59.1	194	2.3	1475	275	250
YVF2-225S-4	37	71.7	239	2.3	1480	325	295
YVF2-225M-4	45	86.7	290	2.3	1480	355	325
YVF2-250M-4	55	105.5	355	2.3	1480	450	420
YVF2-280S-4	75	141.3	482	2.3	1485	570	535
YVF2-280M-4	90	167.1	579	2.3	1485	650	615
YVF2-315S-4	110	201.3	707	2.2	1485	890	850
YVF2-315M-4	132	241.0	849	2.2	1485	980	940
YVF2-315L1-4	160	288.0	1029	2.2	1485	1060	1020
YVF2-315L2-4	200	359.2	1286	2.2	1485	1200	1160
YVF2-355M-4	250	449.0	1602	2.2	1490	1700	1660
YVF2-355L-4	315	565.7	2019	2.2	1490	1900	1860

6pole-1000rpm synchronous speed 50HZ

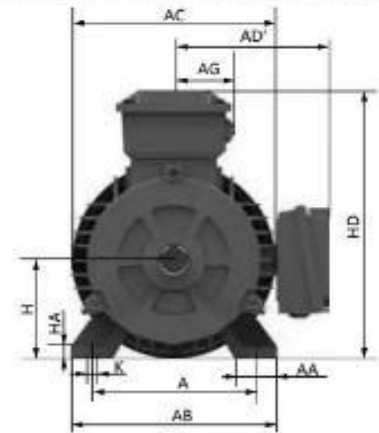
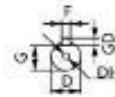
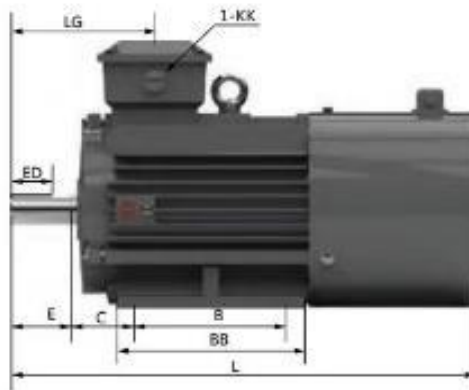
Type	Rated Power(KW)	Rated Current(A)	Rated Torque(N-m)	Maximum Torque Rated Torque	Rated Speed(r/min)	Weight (kg)	
						IC416	IC411
YVF2-90S-6	0.75	2.3	7.7	2.1	935	23	21
YVF2-90L-6	1.1	3.2	11.2	2.1	940	26	24
YVF2-100L-6	1.5	4.2	15.2	2.1	945	37	35
YVF2-112M-6	2.2	6.0	22.1	2.1	950	42	40
YVF2-132S-6	3	7.9	30	2.1	960	60	56
YVF2-132M1-6	4	10.1	40	2.1	960	75	66
YVF2-132M2-6	5.5	13.4	55	2.1	960	85	76
YVF2-160M-6	7.5	17.2	74	2.1	970	122	110
YVF2-160L-6	11	24.5	108	2.1	970	146	13
YVF2-180L-6	15	31.7	147	2.1	975	196	17t
YVF2-200L1-6	18.5	39.7	181	2.1	975	248	223
YVF2-200L2-6	22	46.3	216	2.1	975	264	234
YVF2-225M-6	30	61.6	291	2.1	985	315	285
YVF2-250M-6	37	74.6	359	2.1	985	410	380
YVF2-280S-6	45	88.0	436	2	985	495	460
YVF2-280M-6	55	105.7	533	2	985	545	510
YVF2-315S-6	75	146.5	724	2	990	800	760
YVF2-315M-6	90	173.2	868	2	990	960	920
YVF2-315L1-6	110	210.7	1061	2	990	1050	1010
YVF2-315L2-6	132	249.4	1273	2	990	1150	1110
YVF2-355M1-6	160	301.4	1543	2.2	990	1600	1560
YVF2-355M2-6	200	375.9	1929	2.2	990	1720	1680
YVF2-355L-6	250	469.9	2412	2.2	990	1850	1810

8pole-750rpm synchronous speed 50HZ

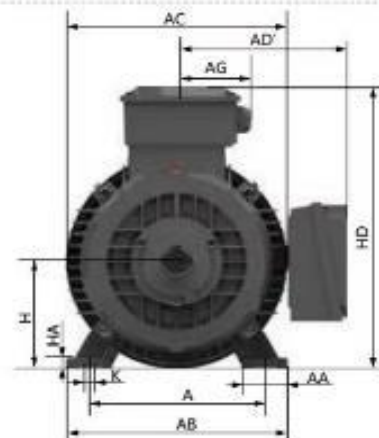
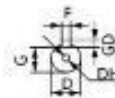
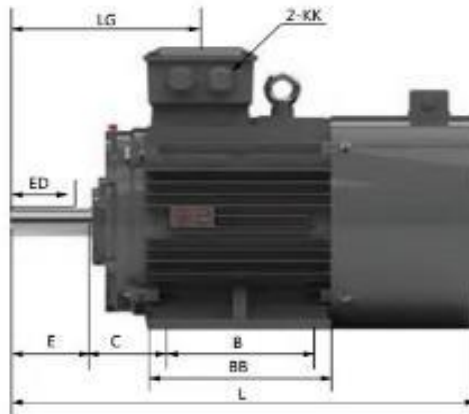
Type	Rated Power(KW)	Rated Current(A)	Rated Torque(N-m)	Maximum Torque Rated Torque	Rated Speed(r/min)	Weight (kg)	
						IC416	IC411
YVF2-100L1-8	0.75	2.4	10.4	2.2	690	30	28
YVF2-100L2-8	1.1	3.4	15.2	2.4	690	35	33
YVF2-112M-8	1.5	4.4	20.8	2.6	690	49	45
YVF2-132S-8	2.2	6.0	30	2.5	710	60	51
YVF2-132M-8	3	7.8	40	2.4	710	70	61
YVF2-160M1-8	4	10.3	53	2.5	720	101	89
YVF2-160M2-8	5.5	13.6	73	2.4	720	119	107
YVF2-160L-8	7.5	17.8	100	2.3	720	132	120
YVF2-180L-8	11	25.5	144	2.5	730	178	158
YVF2-200L-8	15	34.1	196	2.4	730	253	228
YVF2-225S-8	18.5	41.1	242	2.6	730	288	258
YVF2-225M-8	22	47.4	284	2.4	740	312	282
YVF2-250M-8	30	63.4	387	2.5	740	397	367
YVF2-280S-8	37	77.8	478	2.7	740	503	468
YVF2-280M-8	45	94.1	581	2.8	740	550	515
YVF2-315S-8	55	111.2	710	2.5	740	792	752
YVF2-315M-8	75	150.5	968	2.8	740	910	870
YVF2-315L1-8	90	177.8	1162	2.9	740	1016	976
YVF2-315L2-8	110	216.8	1420	2.8	740	1136	1096
YVF2-355M1-8	132	261.0	1704	2.22	740	1596	1556
YVF2-355M2-8	160	314.7	2066	2.3	740	1744	1704
YVF2-355L-8	200	387.4	2582	2.33	740	2029	1989

Dimensions Foot Mount

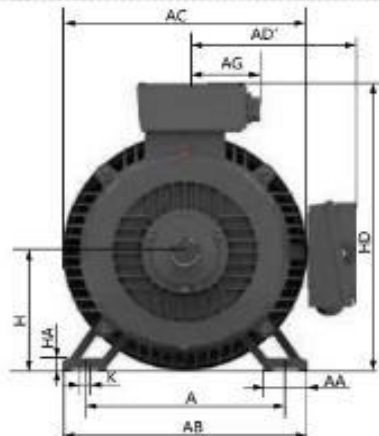
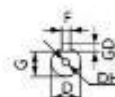
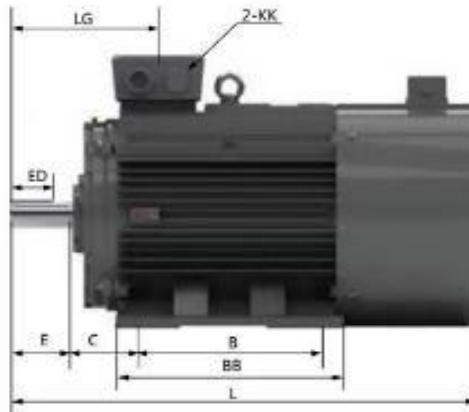
YVF2-80~132



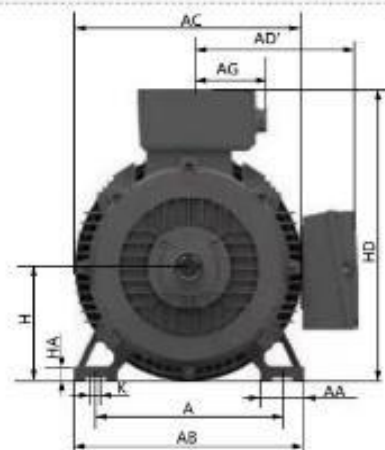
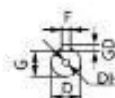
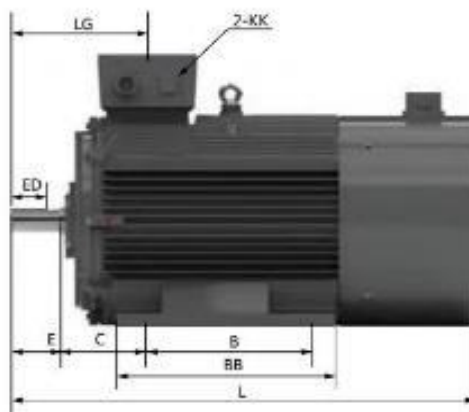
YVF2-160~200



YVF2-225~280



YVF2-315~355



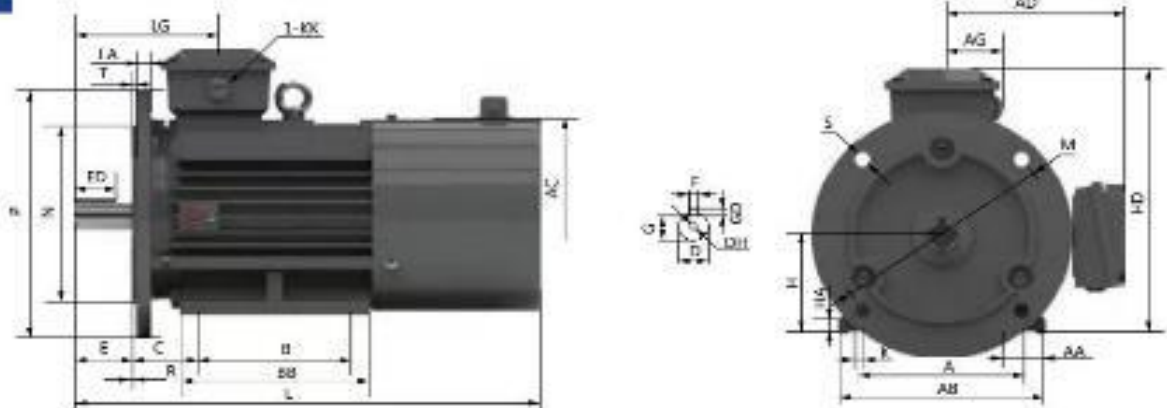
Dimensions Foot Mount B3

FRAME SIZE	POLES	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	ED	F	G	GD	H	HA	HD	K	KK	L IC411IC416		LG
80M	2-8	125	34	160	175	140	51	100	130	50	19	M6X16	40	22	6	15.5	6	80	10	230	10	M24X1.5	295	344	106
90S	2-8	140	36	180	190	150	60	100	135	56	24	M8X19	50	32	8	20	7	90	12.5	255	10	M24X1.5	318	398	124
90L	2-8	140	36	180	190	150	60	125	160	56	24	M8X19	50	32	8	20	7	90	12.5	255	10	M24X1.5	343	423	124
100L	2-8	160	40	200	215	160	60	140	182	63	28	M10X22	60	40	8	24	7	100	14	270	12	M24X1.5	381	452.5	140
112M	2-8	190	45	230	236	185	75	140	195	70	28	M10X22	60	40	8	24	7	112	14	310	12	M30X2	399	465	145
32S	2-8	216	52	265	275	205	75	140	205	89	38	M12X28	80	56	10	33	8	132	16	350	12	M30X2	474	523	169
32M	2-8	216	52	265	275	205	75	178	245	89	38	M12X28	80	56	10	33	8	132	16	350	12	M30X2	512	563	169
160M	2-8	254	65	320	330	250	95	210	260	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	610	660	270
160L	2-8	254	65	320	330	250	95	254	305	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	655	705	270
180M	2-8	279	74	350	380	270	95	241	297	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	671	722	277
80L	2-8	279	74	350	380	270	95	279	335	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	709	760	277
200L	2-8	318	75	395	420	325	120	305	370	133	55	M20X42	110	80	16	49	10	200	25	515	18.5	M48X2	762	847	298
225S	4-8	356	80	436	465	335	120	286	355	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	815	892	340
225M	2	356	80	436	465	335	120	311	380	149	55	M20X42	110	80	16	49	10	225	28	560	18.5	M48X2	810	887	310
225M	4-8	356	80	436	465	335	120	311	380	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	840	917	340
250M	2	406	88	495	520	370	160	349	440	168	60	M20X42	140	100	18	53	11	250	33	620	24	M64X2	925	1010	353
250M	4-8	406	88	495	520	370	160	349	440	168	65	M20X42	140	100	18	58	11	250	33	620	24	M64X2	925	1010	353
280S	2	457	100	550	570	400	160	368	495	190	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	960	1050	350
280S	4-8	457	100	550	570	400	160	368	495	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	975	1065	350
280M	2	457	100	550	570	400	160	419	535	190	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	1000	1090	350
280M	4-8	457	100	550	570	400	160	419	535	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	1010	1105	350
315S	2	508	120	630	650	495	195	406	515	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1145	1220	387
315M	2	508	120	630	650	495	195	457	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	1330	387
315L	2	508	120	630	650	495	195	508	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	1330	387
315S	4-8	508	120	630	650	495	195	406	515	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1190	1250	417
315M	4-8	508	120	630	650	495	195	457	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1300	1360	417
315L	4-8	508	120	630	650	495	195	508	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1300	1360	417
355M	2	610	125	735	735	640	330	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1500	1670	420
355L	2	610	125	735	735	640	330	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1500	1670	420
355M	4-8	610	125	735	735	640	330	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1530	1700	450
355L	4-8	610	125	735	735	640	330	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1530	1700	450

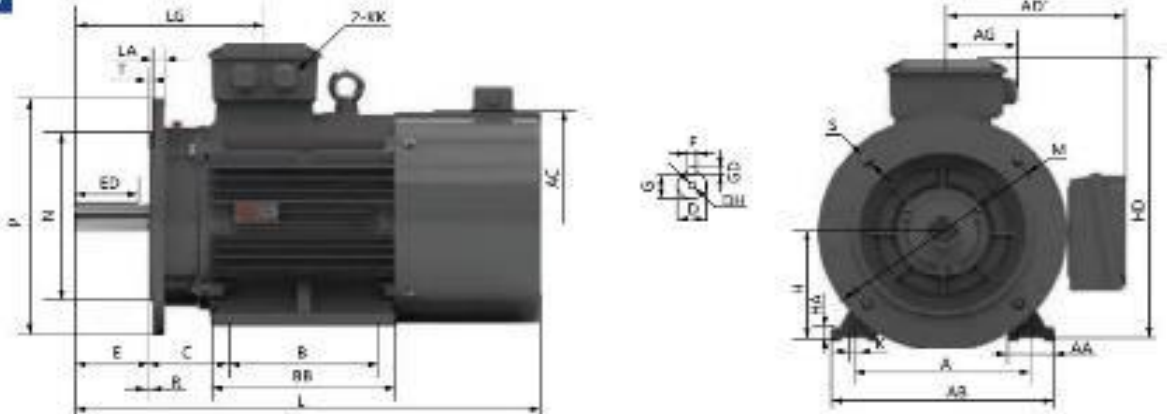
Tips : The 'DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L' with tolerance +-5 for frame 80-132, tolerance +-8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering.

◆ Dimensions Foot Mount B35

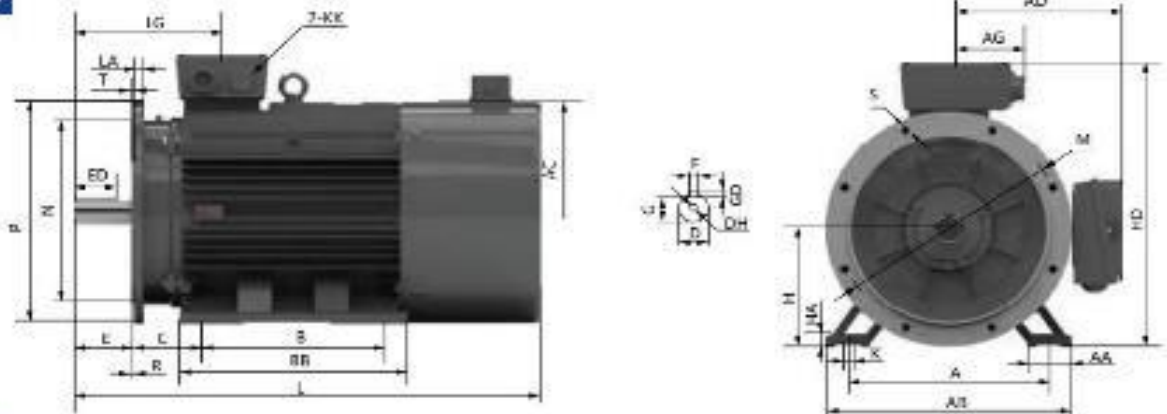
YVF2-80~132



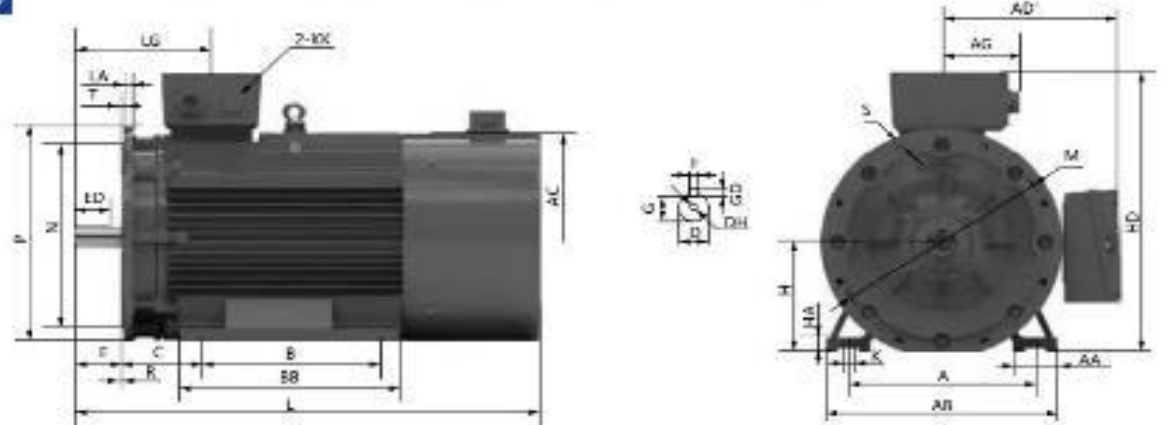
YVF2-160~200



YVF2-225~280



YVF2-315~355



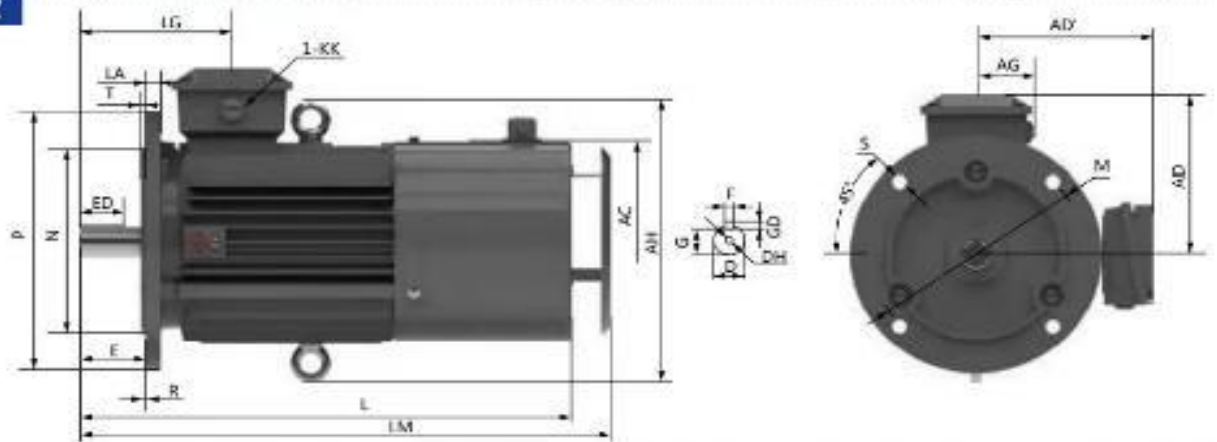
Dimensions Foot-Flange Mount B35

FRAME SIZE	POLES	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	ED	F	G	GD	H	HA	HD	K	KK	L		LG	LA	M	N	P	S	T
																							IC411	IC416							
80M	2-8	125	34	160	175	140	51	100	130	50	19	M6X16	40	22	6	15.5	6	80	10	230	10	M24X1.5	295	344	106	12	165	130	200	12	3.5
90S	2-8	140	36	180	190	150	60	100	135	56	24	M8X19	50	32	8	20		90	12.5	255	10	M24X1.5	318	398	124	12	165	130	200	12	3.5
90L	2-8	140	36	180	190	150	60	125	160	56	24	M8X19	50	32	8	20	7	90	12.5	255	10	M24X1.5	343	423	124	12	165	130	200	12	3.5
100L	2-8	160	40	200	215	160	60	140	182	63	28	M10X22	60	40	8	24	7	100	14	270	12	M24X1.5	381	452.5	140	14	215	180	250	14.5	4
112M	2-8	190	45	230	236	185	75	140	195	70	28	M10X22	60	40	8	24	7	112	14	310	12	M30X2	399	465	145	14	215	180	250	14.5	4
132S	2-8	216	52	265	275	205	75	140	205	89	38	M12X28	80	56	10	33	8	132	16	350	12	M30X2	474	523	169	14	265	230	300	14.5	4
132M	2-8	216	52	265	275	205	75	178	245	89	38	M12X28	80	56	10	33	8	132	16	350	12	M30X2	512	563	169	14	265	230	300	14.5	4
160M	2-8	254	65	320	330	250	95	210	260	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	610	660	270	15	300	250	350	18.5	5
160L	2-8	254	65	320	330	250	95	254	305	108	42	M16X36	110	80	12	37	8	160	19	425	14.5	M36X2	655	705	270	15	300	250	350	18.5	5
180M	2-8	279	74	350	380	270	95	241	297	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	671	722	277	15	300	250	350	18.5	5
180L	2-8	279	74	350	380	270	95	279	335	121	48	M16X36	110	80	14	42.5	9	180	22	460	14.5	M36X2	709	760	277	15	300	250	350	18.5	5
200L	2-8	318	75	395	420	325	120	305	370	133	55	M20X42	110	80	16	49	10	200	25	515	18.5	M48X2	762	847	298	17	350	300	400	18.5	5
225S	4-8	356	80	436	465	335	120	286	355	49	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	815	892	340	19	400	350	450	18.5	5
225M	2	356	80	436	465	335	120	311	380	149	55	M20X42	110	80	16	49	10	225	28	560	18.5	M48X2	810	887	310	19	400	350	450	18.5	5
225M	4-8	356	80	436	465	335	120	311	380	149	60	M20X42	140	100	18	53	11	225	28	560	18.5	M48X2	840	917	340	19	400	350	450	18.5	5
250M	2	406	88	495	520	370	160	349	440	168	60	M20X42	140	100	18	53	11	250	33	620	24	M64X2	925	1010	353	20	500	450	550	18.5	5
250M	4-8	406	88	495	520	370	160	349	440	168	65	M20X42	140	100	18	58	11	250	33	620	24	M64X2	925	1010	353	20	500	450	550	18.5	5
280S	2	457	100	550	570	400	160	368	495	190	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	960	1050	350	22	500	450	550	18.5	5
280S	4-8	457	100	550	570	400	160	368	495	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	975	1065	350	22	500	450	550	18.5	5
280M	2	457	00	550	570	400	160	419	535	90	65	M20X42	140	100	18	58	11	280	35	685	24	M64X2	1000	1090	350	22	500	450	550	18.5	5
280M	4-8	457	100	550	570	400	160	419	535	190	75	M20X42	140	100	20	67.5	12	280	35	685	24	M64X2	1010	1105	350	22	500	450	550	18.5	5
315S	2	508	120	630	650	495	195	406	515	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1145	1220	387	24	600	550	660	24	6
315M	2	508	120	630	650	495	195	457	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	1330	387	24	600	550	660	24	6
315L	2	508	120	630	650	495	195	508	625	216	65	M20X42	140	100	18	58	11	315	45	820	28	M64X2	1255	1330	387	24	600	550	660	24	6
315S	4-8	508	120	630	650	495	195	406	515	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1190	1250	417	24	600	550	660	24	6
315M	4-8	508	120	630	650	495	195	457	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1300	1360	417	24	600	550	660	24	6
315L	4-8	508	120	630	650	495	195	508	625	216	80	M20X42	170	130	22	71	14	315	45	820	28	M64X2	1300	1360	417	24	600	550	660	24	6
355M	2	610	125	735	735	640	330	560	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1500	1670	420	25	740	680	800	24	6
355L	2	610	125	735	735	640	330	630	775	254	75	M24X50	140	110	20	67.5	12	355	49	1000	28	M72X2	1500	1670	420	25	740	680	800	24	6
355M	4-8	610	125	735	735	640	330	560	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1530	1700	450	25	740	680	800	24	6
355L	4-8	610	125	735	735	640	330	630	775	254	95	M24X50	170	140	25	86	14	355	49	1000	28	M72X2	1530	1700	450	25	740	680	800	24	6

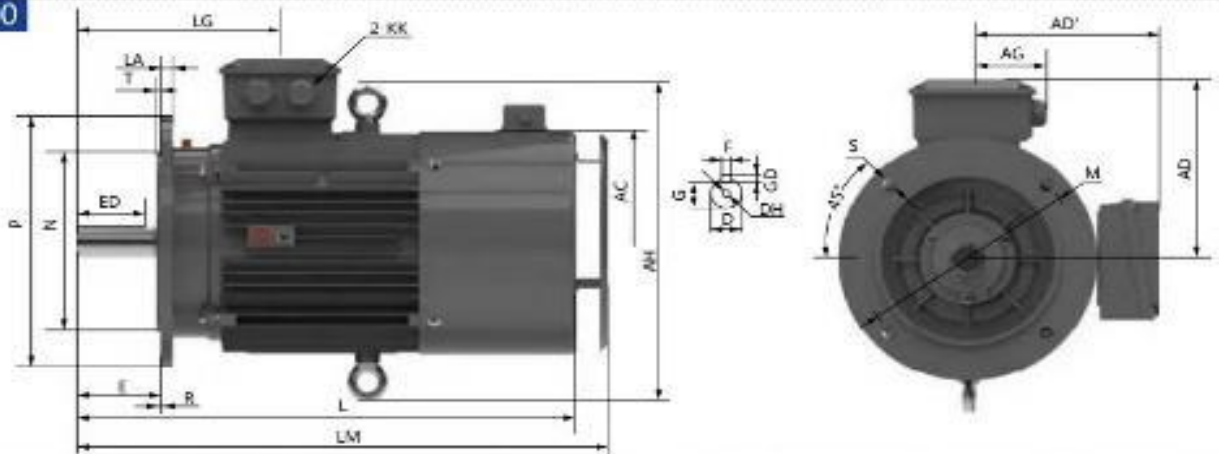
TIPS: The 'R' dimensions is zero. The DH defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of L and LM with tolerance ± 5 for frame 80-132, tolerance ± 8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering.

Dimensions Foot Mount B5&V1

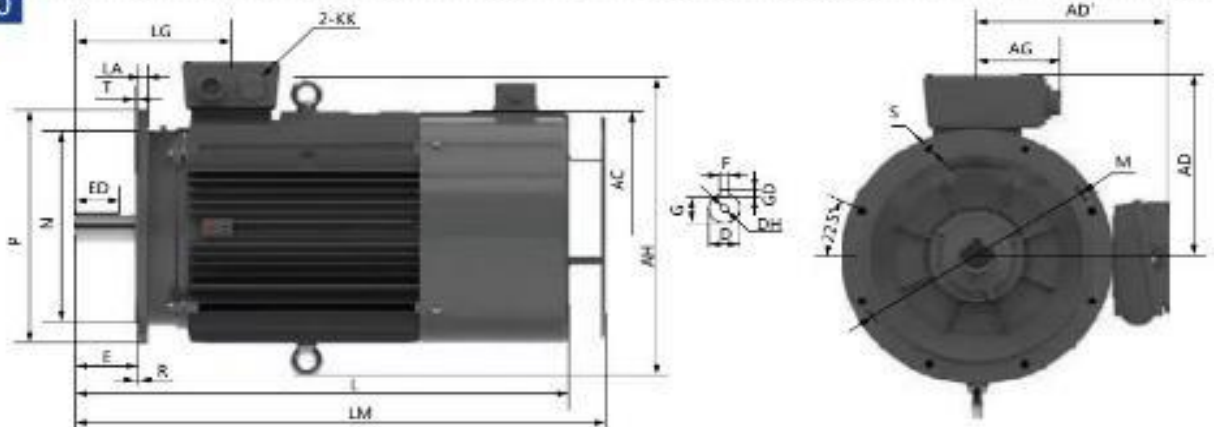
YVF2-80~132



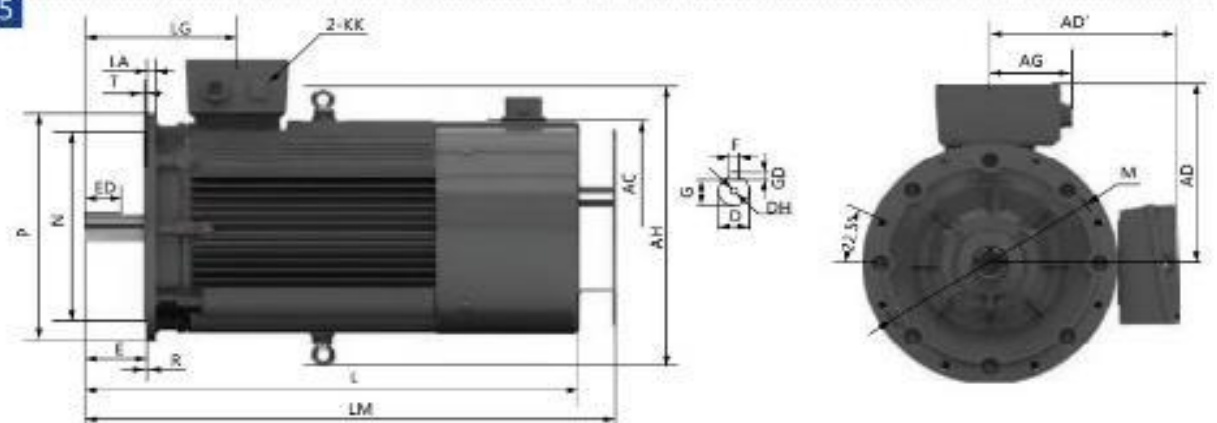
YVF2-160~200



YVF2-225~280



YVF2-315~355



Dimensions Flange Mount B5&V1

FRAME SIZE	POLES	AC	AD	AD	AG	D	DH	E	ED	F	G	GD	KK	L		LG	LA	M	N	P	S	T
														IC411	IC416							
80M	2-8	175	150	140	51	19	M6X16	40	22	6	15.5	6	M24X1.5	295	344	106	12	165	130	200	12	3.5
90S	2-8	190	165	150	60	24	M8X19	50	32	8	20	7	M24X1.5	318	398	124	12	165	130	200	12	3.5
90L	2-8	190	165	150	60	24	M8X19	50	32	8	20	7	M24X1.5	343	423	124	12	165	130	200	12	3.5
100L	2-8	215	170	160	60	28	M10X22	60	40	8	24	7	M24X1.5	381	452.5	140	14	215	180	250	14.5	4
112M	2-8	236	195	185	75	28	M10X22	60	40	8	24	7	M30X2	399	465	145	14	215	180	250	14.5	4
132S	2-8	275	215	205	75	38	M12X28	80	56	10	33	8	M30X2	474	523	169	14	265	230	300	14.5	4
132M	2-8	275	215	205	75	38	M12X28	80	56	10	33	8	M30X2	512	563	169	14	265	230	300	14.5	4
160M	2-8	330	265	250	95	42	M16X36	110	80	12	37	8	M36X2	610	660	270	15	300	250	350	18.5	5
160L	2-8	330	265	250	95	42	M16X36	110	80	12	37	8	M36X2	655	705	270	15	300	250	350	18.5	5
180M	2-8	380	280	270	95	48	M16X36	110	80	14	42.5	9	M36X2	671	722	277	15	300	250	350	18.5	5
180L	2-8	380	280	270	95	48	M16X36	110	80	14	42.5	9	M36X2	709	760	277	15	300	250	350	18.5	5
200L	2-8	420	315	325	120	55	M20X42	110	80	16	49	10	M48X2	762	847	298	17	350	300	400	18.5	5
225S	4-8	465	335	335	120	60	M20X42	140	100	18	53	11	M48X2	815	892	340	19	400	350	450	18.5	5
225M	2	465	335	335	120	55	M20X42	110	80	16	49	10	M48X2	810	887	310	19	400	350	450	18.5	5
225M	4-8	465	335	335	120	60	M20X42	140	100	18	53	11	M48X2	840	917	340	19	400	350	450	18.5	5
250M	2	520	375	370	160	60	M20X42	140	100	18	53	11	M64X2	925	1010	353	20	500	450	550	18.5	5
250M	4-8	520	375	370	160	65	M20X42	140	100	18	58	11	M64X2	925	1010	353	20	500	450	550	18.5	5
280S	2	570	395	400	160	65	M20X42	140	100	18	58	11	M64X2	960	1050	350	22	500	450	550	18.5	5
280S	4-8	570	395	400	160	75	M20X42	140	100	20	67.5	12	M64X2	975	1065	350	22	500	450	550	18.5	5
280M	2	570	395	400	160	65	M20X42	140	100	18	58	11	M64X2	1000	1090	350	22	500	450	550	18.5	5
280M	4-8	570	395	400	160	75	M20X42	140	100	20	67.5	12	M64X2	1010	1105	350	22	500	450	550	18.5	5
315S	2	650	500	495	195	65	M20X42	140	100	18	58	11	M64X2	1145	1220	387	24	600	550	660	24	6
315M	2	650	500	495	195	65	M20X42	140	100	18	58	11	M64X2	1255	1330	387	24	600	550	660	24	6
315L	2	650	500	495	195	65	M20X42	140	100	18	58	11	M64X2	1255	1330	387	24	600	550	660	24	6
315S	4-8	650	500	495	195	80	M20X42	170	130	22	71	14	M64X2	1190	1250	417	24	600	550	660	24	6
315M	4-8	650	500	495	195	80	M20X42	170	130	22	71	14	M64X2	1300	1360	417	24	600	550	660	24	6
315L	4-8	650	500	495	195	80	M20X42	170	130	22	71	14	M64X2	1300	1360	417	24	600	550	660	24	6
355M	2	735	645	640	330	75	M24X50	140	110	20	67.5	12	M72X2	1500	1670	420	25	740	680	800	24	6
355L	2	735	645	640	330	75	M24X50	140	110	20	67.5	12	M72X2	1500	1670	420	25	740	680	800	24	6
355M	4-8	735	645	640	330	95	M24X50	170	140	25	86	14	M72X2	1530	1700	450	25	740	680	800	24	6
355L	4-8	735	645	640	330	95	M24X50	170	140	25	86	14	M72X2	1530	1700	450	25	740	680	800	24	6

tips: The 'R' dimensions is zero. The 'DH' defaults to a non-threaded center hole and it can be machined into a threaded hole as required. The dimension of 'L' and 'LM' with tolerance ± 5 for frame 80-132, tolerance ± 8 for frame 160-355. Due to the motors with frame size 355 have various powers, the installation size is different, please consult the external outline drawing when ordering.

Fan parameters of IC416 series

Motor Frame	type	Power (kW)	Speed (r/min)	Pa	m3/h	Noise dB(A)
80	G80A	28	2600	60	350	50
90	G90A	30	2600	80	500	50
100	G100A	45	2600	82	650	55
112	G112A	50	2600	110	1000	60
132	G132A	40	1300	70	880	60
160	G160A	80	1300	40	1100	60
180	G180A	105	1360	105	2280	61
200	G200A	150	1400	108	2280	62
225	G225A	190	1370	110	3980	66
250	G250A	250	1380	110	4760	68
280	G280A	420	1350	120	6560	72
315	G315A	550	1330	122	8740	75
355	G355A	850	1360	120	12250	78

Bearings

B3、B35、B5				
Frame Size	Driving End		Non-driving End	
	2(pole)	4.6、8 (pole)	2(pole)	4、6、8(pole)
80	6204ZZ/C3	6204ZZ/C3	6204ZZ/C3	6204ZZ/C3
90	6205ZZ/C3	6205ZZ/C3	6205ZZ/C3	6205ZZ/C3
100	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3
112	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3
132	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3
160	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3
180	6311C3	6311C3	6311C3	6311C3
200	6312C3	6312C3	6312C3	6312C3
225	6313C3	6313C3	6313C3	6313C3
250	6314C3	6314C3	6314C3	6314C3
280	6314C3	6317C3	6314C3	6317C3
315	6316C3	6319C3(N319)	6316C3	6319C3
355	6319C3	6322C3(N322)	6319C3	6322C3
V1				
Frame Size	Driving End		Non-driving End	
	2(pole)	4.6、8(pole)	2(pole)	4.6、8(pole)
315	6316C3	6319C3(N319)	6316C3	7319
355	6319C3	6322C3(N322)	7319	7322

▶ YBX3 series High Efficiency Flameproof 3-phase Asynchronous Motor



● Product Introduction

YBX3 series flameproof three-phase asynchronous motor is in line with the third efficiency standard in the provisions of GB18613-2012 "Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors". According to GB3838.2, the motor are made into a flame proof type. The explosion protection marks are ExdⅡ BT4Gb and ExdⅡ CT4Gb. It is applicable to the equipment in the places where the inflammable explosive mixture of steam and air in class A and B groups T1 ~ T4, used as general

power equipment. Exd BT4Gb execution standard is JB/T12628-2016. Exd CT4Gb execution standard is Q/1082shl055-2017

◆ Specification

◆ site conditions

The standard working condition of YBX3 series motor is no more than 1000m above sea level the lowest ambient temperature is -15°C, and the highest ambient temperature is 40°C

◆ Temperature rise and insulation

F Class (155 °C) insulation system and temperature rise class B (80K) are adopted to the motor. The service life and reliability of the motor are guaranteed

◆ cooling and ventilation

The standard cooling method is fully enclosed self-fan cooling standard motor equipped with auxiliary flow plastic fan in accordance with the provisions of IEC411 in IEC60034-6

◆ protection class

The standard protection class of motor is IP55, can be used in industry or humid environment

◆ voltage and frequency

Frame size 80-100, the voltage is 380V

Frame size 112-355, the voltage is 380V 660V, 380/660V, Rated frequency is 50Hz

under the condition that the supply voltage deviates from the rated voltage by 5%, it can still run well

◆ Terminal box position

Terminal box in the upper part of the frame can be four directions into the line the line is divided into rubber cable and steel pipe wiring two kinds

◆ Quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality certification system strict compliance with quality procedures.

2pole-3000rpm synchronous speed 50HZ

Motor Type	Rated Output KW	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(coSp)	Noise Level(LW) dB(A)	Net Weight(kg)
YBX3-80M1-2	0.75	2855	1.7	80.7%	0.82	62	27
YBX3-80M2-2	1.1	2855	2.4	82.7%	0.83	62	28
YBX3-90S-2	1.5	2875	3.2	84.2%	0.84	67	34
YBX3-90L-2	2.2	2875	4.6	85.9%	0.85	67	40
YBX3-100L-2	3	2880	6.0	87.1%	0.87	74	56
YBX3-112M-2	4	2900	7.8	88.1%	0.88	77	68
YBX3-132S1-2	5.5	2900	10.6	89.2%	0.88	79	90
YBX3-132S2-2	7.5	2900	14.4	90.1%	0.88	79	100
YBX3-160M1-2	11	2940	20.6	91.2%	0.89	81	145
YBX3-160M2-2	15	2940	27.9	91.9%	0.89	81	158
YBX3-160L-2	18.5	2940	34.2	92.4%	0.89	81	177
YBX3-180M-2	22	2955	40.5	92.7%	0.89	83	220
YBX3-200L1-2	30	2965	54.9	93.3%	0.89	84	280
YBX3-200L2-2	37	2965	67.4	93.7%	0.89	84	300
YBX3-225M-2	45	2970	80.8	94.0%	0.9	86	380
YBX3-250M-2	55	2975	98.5	94.3%	0.9	89	500
YBX3-280S-2	75	2975	133.7	94.7%	0.9	91	640
YBX3-280M-2	90	2975	159.9	95.0%	0.9	91	680
YBX3-315S-2	110	2980	195.1	95.2%	0.9	92	1080
YBX3-315M-2	132	2980	222.8	95.4%	0.9	92	1150
YBX3-315L1-2	160	2980	279.4	95.6%	0.91	92	1250
YBX3-315L2-2	200	2980	348.6	95.8%	0.91	92	1342
YBX3-355M1-2	220	2980	383.4	95.8%	0.91	100	1560
YBX3-355M2-2	250	2980	435.7	95.8%	0.91	100	1720
YBX3-355L1-2	280	2980	488.0	95.8%	0.91	100	1820
YBX3-355L2-2	315	2980	549.0	95.8%	0.91	100	1960

4pole-1500rpm synchronous speed 50HZ

Motor Type	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(coSφ)	Noise Level(LW) dB(A)	Net Weight(kg)
YBX3-80M2-4	1400	1.8	82.5%	0.75	56	32
YBX3-90S-4	1425	2.6	84.1%	0.76	59	37
YBX3-90L-4	1425	3.5	85.3%	0.77	59	41
YBX3-100L1-4	1440	4.8	86.7%	0.81	64	52
YBX3-100L2-4	1440	6.3	87.7%	0.82	64	57
YBX3-112M-4	1450	8.4	88.6%	0.82	65	74
YBX3-132S-4	1455	11.2	89.6%	0.83	71	94
YBX3-132M-4	1455	15.0	90.4%	0.84	71	110
YBX3-160M-4	1465	21.5	91.4%	0.85	73	156
YBX3-160L-4	1465	28.8	92.1%	0.86	73	185
YBX3-180M-4	1470	35.3	92.6%	0.86	76	200
YBX3-180L-4	1475	41.8	93.0%	0.86	76	240
YBX3-200L-4	1475	56.6	93.6%	0.86	76	300
YBX3-225S-4	1480	69.6	93.9%	0.86	78	380
YBX3-225M-4	1480	84.4	94.2%	0.86	78	400
YBX3-250M-4	1480	102.7	94.6%	0.86	79	520
YBX3-280S-4	1485	136.3	95.0%	0.88	80	705
YBX3-280M-4	1485	163.2	95.2%	0.88	80	740
YBX3-315S-4	1485	196.8	95.4%	0.89	88	1025
YBX3-315M-4	1485	235.7	95.6%	0.89	88	1154
YBX3-315L1-4	1485	285.1	95.8%	0.89	88	1220
YBX3-315L2-4	1485	351.7	96.0%	0.9	88	1315
YBX3-355M1-4	1490	386.9	96.0%	0.9	95	1714
YBX3-355M2-4	1490	439.6	96.0%	0.9	95	1790
YBX3-355L1-4	1490	492.4	96.0%	0.9	95	1970
YBX3-355L2-4	1490	553.9	96.0%	0.9	95	2020

6pole-1000rpm synchronous speed 50HZ

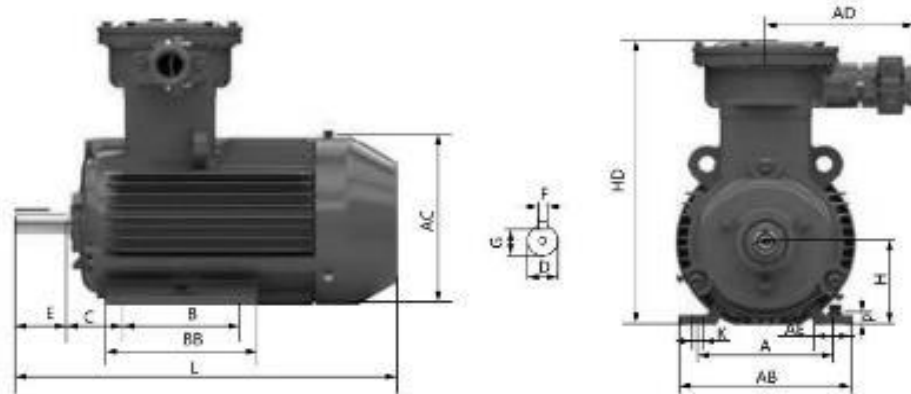
Motor Type	Rated Output KW	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(coSφ)	Noise Level(LW) dB(A)	Net Weight(kg)
YBX3-90S-6	0.75	935	2	78.90%	0.71	57	39
YBX3-90L-6	1.1	940	2.8	81.00%	0.73	57	47
YBX3-100L-6	1.5	945	3.8	82.50%	0.73	61	52
YBX3-112M-6	2.2	950	5.4	84.30%	0.74	65	68
YBX3-132S-6	3	960	7.2	85.60%	0.74	69	93
YBX3-132M1-6	4	960	9.5	86.80%	0.74	69	96
YBX3-132M2-6	5.5	960	12.7	88.00%	0.75	69	104
YBX3-160M-6	7.5	970	16.2	89.10%	0.79	73	158
YBX3-160L-6	11	970	23.1	90.30%	0.8	73	168
YBX3-180L-6	15	975	30.9	91.20%	0.81	73	214
YBX3-200L1-6	18.5	975	37.8	91.70%	0.81	73	260
YBX3-200L2-6	22	975	44.8	92.20%	0.81	73	293
YBX3-225M-6	30	985	59.1	92.90%	0.83	74	360
YBX3-250M-6	37	985	71.7	93.30%	0.84	76	520
YBX3-280S-6	45	985	85.8	93.70%	0.85	78	594
YBX3-280M-6	55	985	103.3	94.10%	0.86	78	658
YBX3-315S-6	75	990	143.4	94.60%	0.84	83	960
YBX3-315M-6	90	990	169.5	94.90%	0.85	83	1090
YBX3-315L1-6	110	990	206.8	95.10%	0.85	83	1130
YBX3-315L2-6	132	990	244.5	95.40%	0.86	83	1250
YBX3-355S-6	160	990	295.7	95.60%	0.86	85	1640
YBX3-355M1-6	185	990	341.5	95.70%	0.86	85	1765
YBX3-355M2-6	200	990	364.6	95.80%	0.87	85	1830
YBX3-355L1-6	220	990	401	95.80%	0.87	85	1989
YBX3-355L2-6	250	990	455.7	95.80%	0.87	85	2123

8pole-750rpm synchronous speed 50HZ

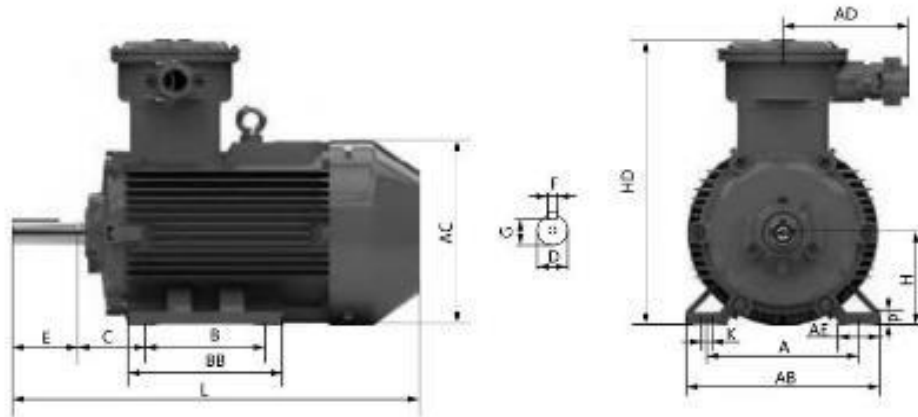
Motor Type	Rated Output KW	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(coSφ)	Noise Level(LW) dB(A)	Net Weight(kg)
YBX3-100L1-8	0.75	690	2.3	75.0%	0.67	59	64
YBX3-100L2-8	1.1	690	3.1	77.7%	0.69	59	66
YBX3-112M-8	1.5	690	4.1	79.7%	0.70	61	74
YBX3-132S-8	2.2	710	5.7	81.9%	0.71	64	89
YBX3-132M-8	3	710	7.5	83.5%	0.73	64	94
YBX3-160M1-8	4	720	9.8	84.8%	0.73	68	139
YBX3-160M2-8	5.5	720	13.1	86.2%	0.74	68	148
YBX3-160L-8	7.5	720	17.4	87.3%	0.75	68	175
YBX3-180L-8	11	730	25.2	88.6%	0.75	70	230
YBX3-200L-8	15	730	33.5	89.6%	0.76	73	290
YBX3-225S-8	18.5	730	41.0	90.1%	0.76	73	330
YBX3-225M-8	22	740	47.3	90.6%	0.78	73	350
YBX3-250M-8	30	740	63.2	91.3%	0.79	75	500
YBX3-280S-8	37	740	77.5	91.8%	0.79	76	600
YBX3-280M-8	45	740	93.9	92.2%	0.79	76	630
YBX3-315S-8	55	740	111.5	92.5%	0.81	82	930
YBX3-315M-8	75	740	151.1	93.1%	0.81	82	1195
YBX3-315L1-8	90	740	178.5	93.4%	0.82	82	1300
YBX3-315L2-8	110	740	217.5	93.7%	0.82	82	1320
YBX3-355S-8	132	740	263.4	94.0%	0.81	90	1724
YBX3-355M-8	160	740	318.3	94.3%	0.81	90	1860
YBX3-355L1-8	185	740	368.0	94.3%	0.81	90	1980
YBX3-355L2-8	200	740	396.6	94.6%	0.81	90	2120

◆ Dimensions Foot Mount B3

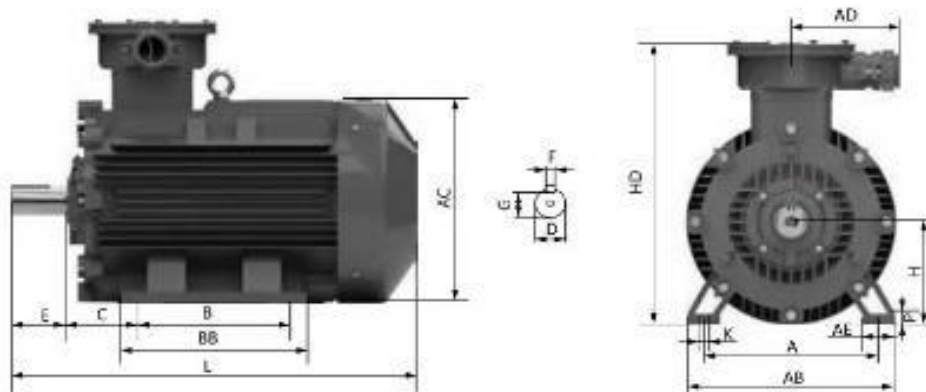
YBX3-80~132



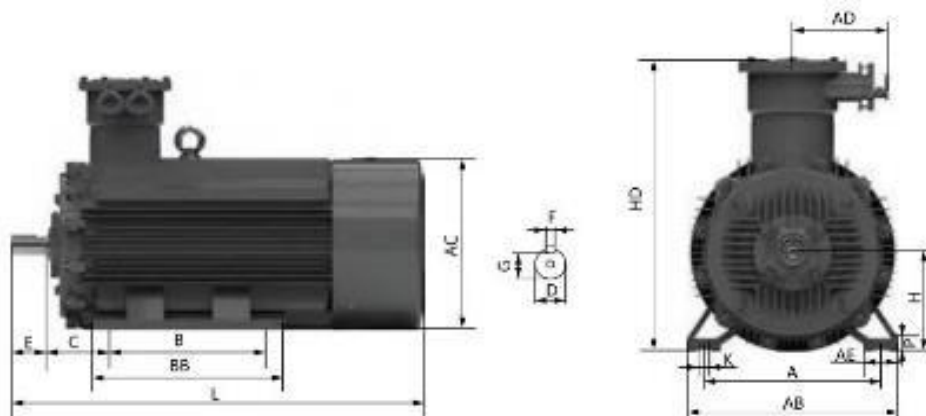
YBX3-160~200



YBX3-225~280



YBX3-315~355



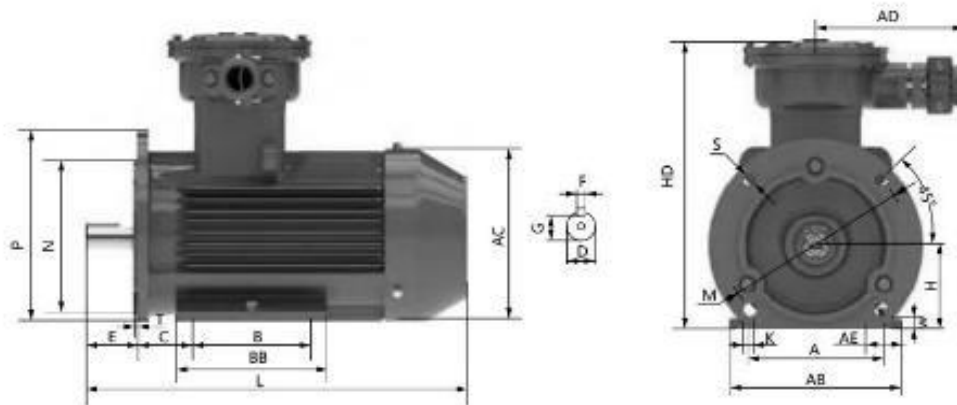
Dimensions Foot Mount B3

FRAME SIZE	POLES	A	B	C	D	E	F	G	H	P	K	AB	BB	AC	AE	AD	HD	L
80M	2-8	125	100	50	19	40	6	15.5	80	10	10	160	130	167	34	178	310	340
90S	2-8	140	100	56	24	50	8	20	90	14	10	176	130	184	36	178	335	390
90L	2-8	140	125	56	24	50	8	20	90	14	10	176	155	184	36	178	335	420
100L	2-8	160	140	63	28	60	8	24	100	14	12	200	176	207	43	178	360	470
112M	2-8	190	140	70	28	60	8	24	112	16	12	240	180	221	50	193	375	520
32S	2-8	216	140	89	38	80	10	33	132	18	12	276	190	260	60	193	420	530
132M	2-8	216	178	89	38	80	10	33	132	18	12	276	230	260	60	193	420	570
160M	2-8	254	210	108	42	110	12	37	160	25	14.5	324	258	315	70	210	500	700
160L	2-8	254	254	108	42	110	12	37	160	25	14.5	324	302	315	70	210	500	730
180M	2-8	279	241	121	48	110	14	42.5	180	22	15	349	311	356	70	210	535	790
80L	2-8	279	279	121	48	110	14	42.5	180	22	15	349	349	356	70	210	535	810
200L	2-8	318	305	133	55	110	16	49	200	25	18.5	388	366	398	70	240	612	850
225S	4、	356	286	149	60	140	18	53	225	28	18.5	431	355	446	75	240	665	900
225M	2	356	311	149	55	110	16	49	225	28	18.5	431	380	446	75	240	665	900
225M	4-8	356	311	149	60	140	18	53	225	28	18.5	431	380	446	75	240	665	930
250M	2	406	349	168	60	140	18	53	250	30	24	486	420	495	80	279	730	990
250M	4-8	406	349	168	65	140	18	58	250	30	24	486	420	495	80	279	730	990
280S	2	457	368	190	65	140	18	58	280	35	24	542	438	547	85	279	790	1020
280S	4-8	457	368	190	75	140	20	67.5	280	35	24	542	438	547	85	279	790	1030
280M	2	457	419	190	65	140	18	58	280	35	24	542	489	547	85	279	790	1070
280M	4-8	457	419	190	75	140	20	67.5	280	35	24	542	489	547	85	279	790	1080
315S	2	508	406	216	65	140	18	58	315	45	28	628	550	620	120	330	980	1210
315S	4-10	508	406	216	80	170	22	71	315	45	28	628	550	620	120	330	980	1290
315M	2	508	457	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315M	4-10	508	457	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
315L	2	508	508	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315L	4-10	508	508	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
355S	2	610	500	254	75	140	20	67.5	355	52	28	726	636	700	116	330	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	52	28	726	636	700	116	330	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	52	28	726	696	700	116	330	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	52	28	726	696	700	116	330	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	52	28	726	766	700	116	330	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	52	28	726	766	700	116	330	1120	1710

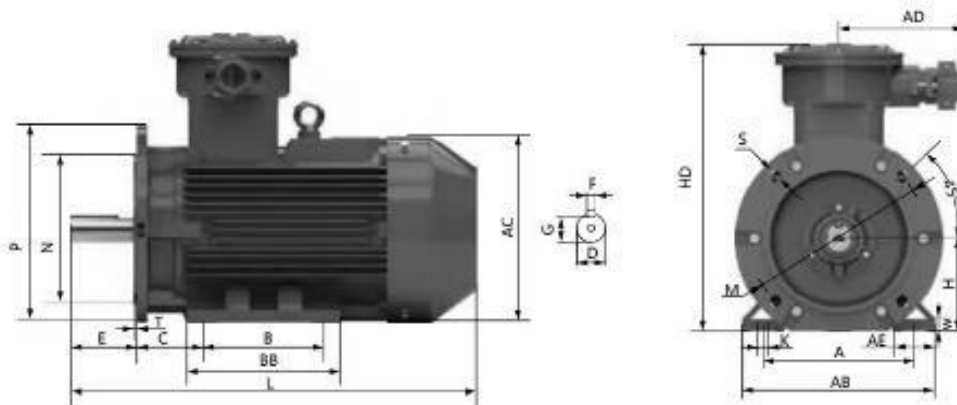
(此外形图用于 YB3 防爆等级为 Exd I Mb、Exd II BT4Gb,YBX3 防爆等级为 Exd I BT4Gb,YBK3 防爆等级为 Exd I Mb)

◆ Dimensions Foot Mount B35

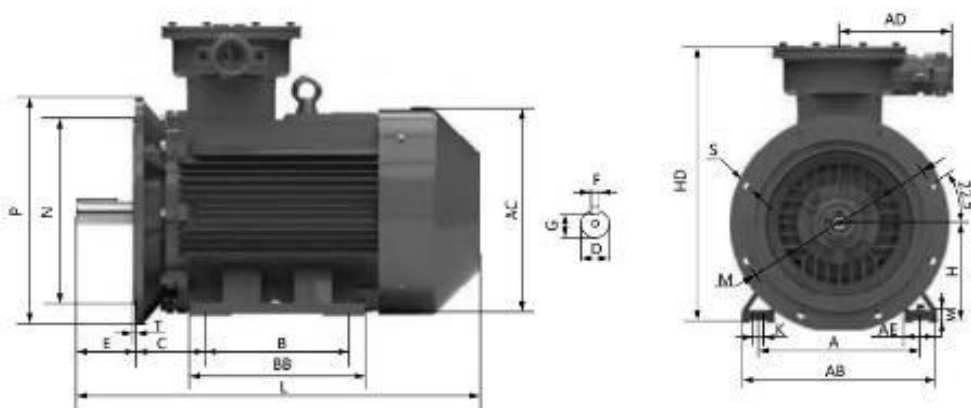
YBX3-80~132



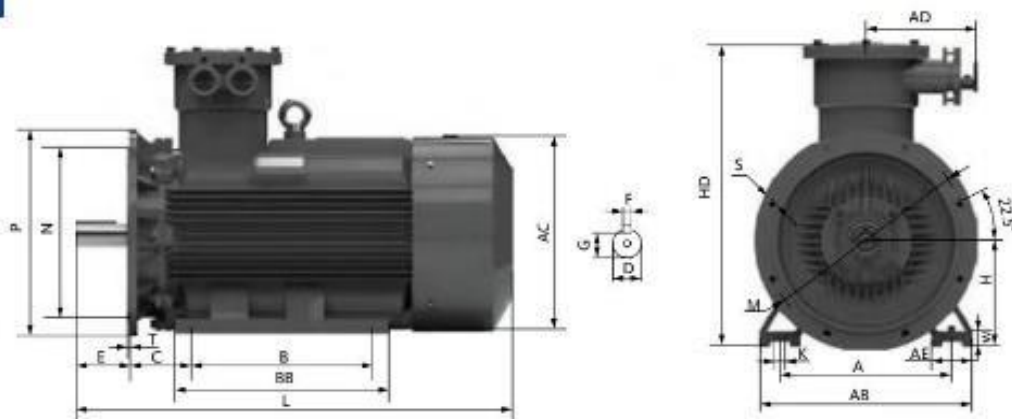
YBX3-160~200



YBX3-225~280



YBX3-315~355



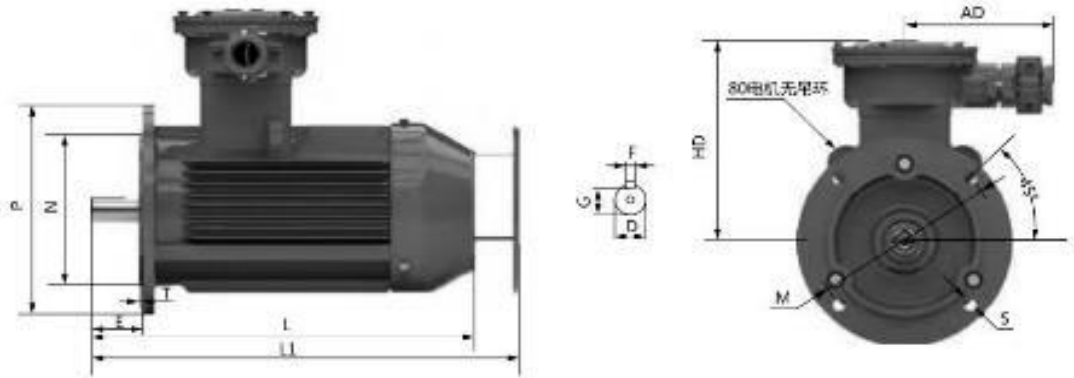
Dimensions Foot-Flange Mount B35

FRAME SIZE	POLES	A	B	C	D	E	F	G	H	K	M	N	S	T	P	W	AB	BB	AC	AD	AE	HD	L
80M	2-8	125	100	50	19	40	6	15.5	80	10	165	130	12	3.5	200	10	160	130	167	178	34	310	340
90S	2-8	140	100	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	130	184	178	36	335	390
90L	2-8	140	125	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	155	184	178	36	335	420
100L	2-8	160	140	63	28	60	8	24	100	12	215	180	15	4	250	14	200	176	207	178	43	360	470
112M	2-8	190	140	70	28	60	8	24	112	12	215	180	15	4	250	16	240	180	221	193	50	375	520
132S	2-8	216	140	89	38	80	10	33	132	12	265	230	15	4	300	18	276	190	260	193	60	420	530
132M	2-8	216	178	89	38	80	10	33	132	12	265	230	15	4	300	18	276	230	260	193	60	420	570
160M	2-8	254	210	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	258	315	210	70	500	700
160L	2-8	254	254	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	302	315	210	70	500	730
180M	2-8	279	241	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	311	356	210	70	535	790
180L	2-8	279	279	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	349	356	210	70	535	810
200L	2-8	318	305	133	55	110	16	49	200	19	350	300	19	5	400	25	388	366	398	240	70	612	850
225S	4, 8	356	286	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	355	446	240	75	665	900
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	19	5	450	28	431	380	446	240	75	665	900
225M	4-8	356	311	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	380	446	240	75	665	930
250M	2	406	349	168	60	140	18	53	250	24	500	450	19	5	550	30	486	420	495	279	80	730	990
250M	4-8	406	349	168	65	140	18	58	250	24	500	450	19	5	550	30	486	420	495	279	80	730	990
280S	2	457	368	190	65	140	18	58	280	24	500	450	19	5	550	35	542	438	547	279	85	790	1020
280S	4-8	457	368	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	438	547	279	85	790	1030
280M	2	457	419	190	65	140	18	58	280	24	500	450	19	5	550	35	542	489	547	279	85	790	1070
280M	4-8	457	419	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	489	547	279	85	790	1080
315S	2	508	406	216	65	140	18	58	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1210
315S	4-10	508	406	216	80	170	22	71	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1290
315M	2	508	457	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315M	4-10	508	457	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
315L	2	508	508	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315L	4-10	508	508	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	766	700	330	116	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	52	726	766	700	330	116	120	710

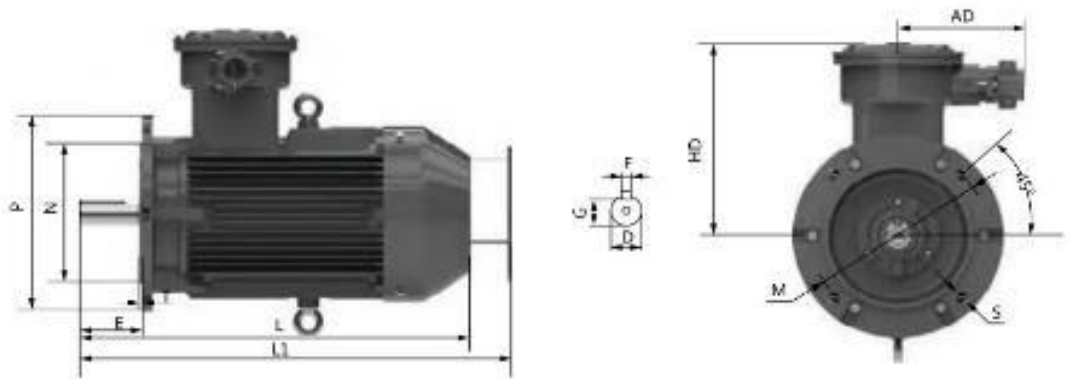
(此外形图用于 YB3 防爆等级为 Exd I Mb、Exd II BT4Gb,YBX3 防爆等级为 Exd II BT4Gb,YBK3 防爆等级为 Exd I Mb)

Dimensions Foot Mount B5&V1

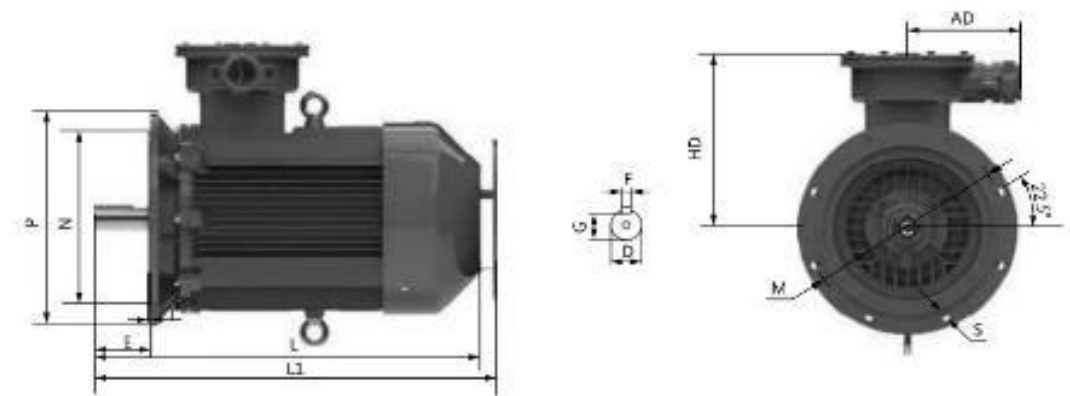
YBX3-80~132



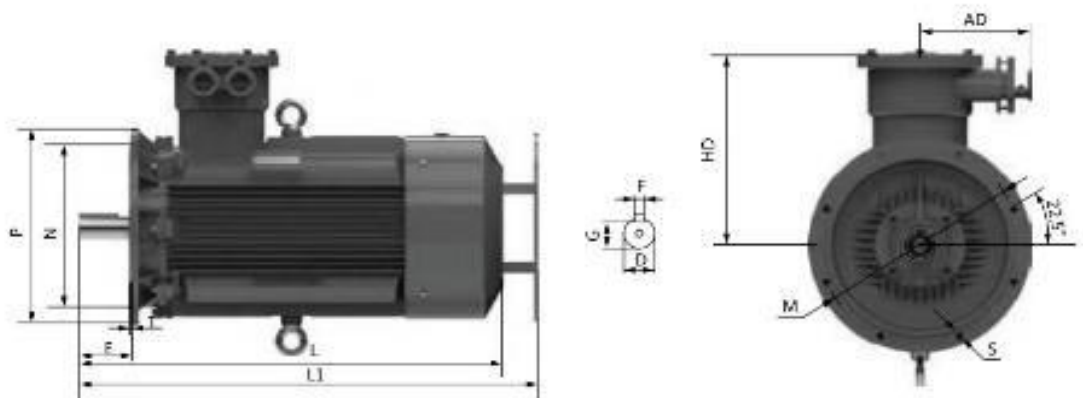
YBX3-160~200



YBX3-225~280



YBX3-315~355



Dimensions Flange Mount B5&V1

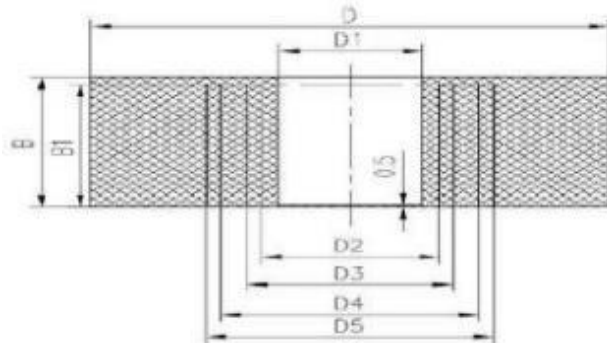
FRAME SIZE	POLES	D	E	F	G	M	N	S	T	P	AD	HD	L(B5)	L1(V1)
80M	2-8	19	40	6	15.5	165	130	12	3.5	200	178	230	340	440
90S	2-8	24	50	8	20	165	130	12	3.5	200	178	245	390	490
90L	2-8	24	50	8	20	165	130	12	3.5	200	178	245	420	520
100L	2-8	28	60	8	24	215	180	15	4	250	178	260	470	570
112M	2-8	28	60	8	24	215	180	15	4	250	193	246	520	620
132S	2-8	38	80	10	33	265	230	15	4	300	193	288	530	630
132M	2-8	38	80	10	33	265	230	15	4	300	193	288	570	670
160M	2-8	42	110	12	37	300	250	19	5	350	210	340	700	800
160L	2-8	42	110	12	37	300	250	19	5	350	210	340	730	830
180M	2-8	48	110	14	42.5	300	250	19	5	350	210	355	790	890
180L	2-8	48	110	14	42.5	300	250	19	5	350	210	355	810	910
200L	2-8	55	110	16	49	350	300	19	5	400	240	412	850	950
225S	4、8	60	140	18	53	400	350	19	5	450	240	440	900	1000
225M	2	55	110	16	49	400	350	19	5	450	240	440	900	1000
225M	4-8	60	140	18	53	400	350	19	5	450	240	440	930	1030
250M	2	60	140	18	53	500	450	19	5	550	279	480	990	1090
250M	4-8	65	140	18	58	500	450	19	5	550	279	480	990	1090
280S	2	65	140	18	58	500	450	19	5	550	279	510	1020	1120
280S	4-8	75	140	20	67.5	500	450	19	5	550	279	510	1030	1130
280M	2	65	140	18	58	500	450	19	5	550	279	510	1070	117'
280M	4-8	75	140	20	67.5	500	450	19	5	550	279	510	1080	1:
315S	2	65	140	18	58	600	550	24	6	660	330	665		1:
315S	4-10	80	170	22	71	600	550	24	6	660	330	665		13.
315M	2	65	140	18	58	600	550	24	6	660	330	665		1430
315M	4-10	80	170	22	71	600	550	24	6	660	330	665		1510
315L	2	65	140	18	58	600	550	24	6	660	330	665		1430
315L	4-10	80	170	22	71	600	550	24	6	660	330	665		1510
355S	2	75	140	20	67.5	740	680	24	6	800	330	765		1590
355S	4-10	95	170	25	86	740	680	24	6	800	330	765		1620
355M	2	75	140	20	67.5	740	680	24	6	800	330	765		1670
355M	4-10	95	170	25	86	740	680	24	6	800	330	765		1700
355L	2	75	140	20	67.5	740	680	24	6	800	330	765		1780
355L	4-10	95	170	25	86	740	680	24	6	800	330	765		1810

(此外形图用于 YB3 防爆等级为 Exd I Mb、Exd II BT4Gb,YBX3 防爆等级为 Exd II BT4Gb,YBK3 防爆等级为 Exd I Mb

•Dimensions of steel pipe wiring (Suitable for explosion-proof motors YB3、YBX3、YBBP)

FRAME	Steel pipe wiring dimensions
80-132	M30X2
160-180	M36X2
200-225	M48X2
250-280	M64X2
315-355	2XM64X2

•Sealing ring size (applicable to explosion-proof motors YB3, YBX3, YBBP, YBK3)



FRAME	dimensions							
	D1	D2	D3	D4	D5	D	B1	B
80-132	φ14	φ20	φ25			φ42	24	26
160-180	φ14	φ20	φ26	φ31	φ35	φ58	24	26
200-225	φ20	φ26	φ32	φ38	φ42	φ72	30	32
250-355	φ25	φ31	φ36	φ45	φ50	φ90	36	38

Explanation: The motors with frame numbers 315 and 355 have two outlet ports

YBX3 Bearing model

FRAME	Number of poles	Shaft extension end	Non axial extension end
80	whole	6204-2Z	6204-2Z
90	whole	6205-2Z	6205-2Z
100	whole	6206-2Z	6206-2Z
112	whole	6206-2Z	6206-2Z
132	whole	6208-2Z	6208-2Z
160	2P	6209-2Z	6209-2Z
160	4 ~ 8P	6309-2Z	6209-2Z
180	2P	6211	6211
180	4 ~ 8P	6311	6211
200	2P	6212	6212
200	4 ~ 8P	6312	6212
225	2P	6312	6312
225	4 ~ 8P	6313	6312
250	2P	6313	6313
250	4 ~ 8P	6314	6313
280	2P	6314	6314
280	4 ~ 8P	6317	6314
315	2P	6316	6316
315	4 ~ 10P	6319	6319
355	2P	6319	6319
355	4 ~ 10P	6322	6322

▶ YFB3 series dust explosion-proof high efficiency three-phase asynchronous motor



● Product Introduction

YFB3 series dust explosion-proof type-high efficiency three-phase asynchronous motor is in line with the second efficiency standard in the provisions of GB18613-2012 ". According to the provisions of GB/ t12476.5-2013, the explosion-proof mark of the motor is Ex tD A21 IP65 T130, which is applicable to the place with explosive dust mixture. Executive standard is Q/1082SHL054-2017

◆ Specification

◆ Site conditions

The standard working conditions of YFB3 series motors are as follows : The altitude is not more than 1000 meters, the lowest ambient temperature is -15 °C , and the highest ambient temperature is 40°C .

◆ Temperature rise and insulation

The motor is designed according to grade F insulation (155°C) and assessed according to grade B insulation (80K). The service life and reliability of the motor are guaranteed

◆ Cooling and ventilation

The standard cooling method is fully enclosed self-fan cooling standard motor equipped with auxiliary flow plastic fan in accordance with the provisions of IC411 in IEC60034-6

◆ Protection class

The standard protection class of motor is IP65, can be used in places with explosive dust mixture.

◆ Voltage、 frequency

Frame size80-100, the voltage is 220V、 380V、 220/380V.Frame size112-355, the voltage is 380V 660V 380/660v

◆ Rated frequency is 50HZ

Under the condition that the supply voltage deviates from the rated voltage by 5%, it can still run well.

◆ Terminal box position

The standard protection class of motor is IP55, can be used in places with explosive dust mixture.

◆ Quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality certification system, strict compliance with quality procedures

2pole-3000rpm synchronous speed 50HZ

Motor type	Rated Output (KW)	Rated Speed (rpm)	IFL 380V (A)	EFF(%)	Power Factor(coS φ)	Rated Torque(N.m)	Noise Level LW dB(A)	Net Weight (kg)
YFB3-80M1-2	0.75	2855	1.7	80.7%	0.82	2.5	62	17
YFB3-80M2-2	1.1	2855	2.4	82.7%	0.83	3.7	62	20
YFB3-90S-2	1.5	2875	3.2	84.2%	0.84	5.0	67	24
YFB3-90L-2	2.2	2875	4.6	85.9%	0.85	7.3	67	29
YFB3-100L-2	3	2880	6.0	87.1%	0.87	9.9	74	42
YFB3-112M-2	4	2900	7.8	88.1%	0.88	13.2	77	48
YFB3-132S1-2	5.5	2900	10.6	89.2%	0.88	18.1	79	70
YFB3-132S2-2	7.5	2900	14.4	90.1%	0.88	24.7	79	74
YFB3-160M1-2	11	2940	20.6	91.2%	0.89	35.7	81	120
YFB3-160M2-2	15	2940	27.9	91.9%	0.89	48.7	81	130
YFB3-160L-2	18.5	2940	34.2	92.4%	0.89	60.1	81	148
YFB3-180M-2	22	2955	40.5	92.7%	0.89	71.1	83	192
YFB3-200L1-2	30	2965	54.9	93.3%	0.89	96.6	84	248
YFB3-200L2-2	37	2965	67.4	93.7%	0.89	119.2	84	270
YFB3-225M-2	45	2970	80.8	94.0%	0.9	144.7	86	324
YFB3-250M-2	55	2975	98.5	94.3%	0.9	176.6	89	438
YFB3-280S-2	75	2975	133.7	94.7%	0.9	240.8	91	565
YFB3-280M-2	90	2975	159.9	95.0%	0.9	288.9	91	598
YFB3-315S-2	110	2980	195.1	95.2%	0.9	352.5	92	956
YFB3-315M-2	132	2980	220.4	95.4%	0.9	423.0	92	960
YFB3-315L1-2	160	2980	279.4	95.6%	0.91	512.8	92	1060
YFB3-315L-2	185	2980	322.8	95.7%	0.91	592.9	92	1140
YFB3-315L2-2	200	2980	348.6	95.8%	0.91	640.9	92	1080
YFB3-355M1-2	220	2980	383.4	95.8%	0.91	705.0	100	1560
YFB3-355M2-2	250	2980	435.7	95.8%	0.91	801.2	100	1620
YFB3-355L1-2	280	2980	488.0	95.8%	0.91	897.3	100	1720
YFB3-355L2-2	315	2980	549.0	95.8%	0.91	1009.5	100	2017
YFB3-355I-2	355	2980	618.7	95.8%	0.91	1137.6	104	2150
YFB3-3552-2	375	2980	653.6	95.8%	0.91	1201.7	104	2280

4pole-1500rpm synchronous speed 50HZ

Motor type	Rated Output (KW)	Rated Speed (rpm)	IFL 380V (A)	EFF(%)	Power Factor(cosφ)	Rated Torque(N.m)	Noise Level LW dB(A)	Net Weight (kg)
YFB3-80M2-4	0.75	1400	1.8	82.5%	0.75	5.1	56	16
YFB3-90S-4	1.1	1425	2.6	84.1%	0.76	7.4	59	25
YFB3-90L-4	1.5	1425	3.5	85.3%	0.77	10.1	59	31
YFB3-100L1-4	2.2	1440	4.8	86.7%	0.81	14.6	64	43
YFB3-100L2-4	3	1440	6.3	87.7%	0.82	19.9	64	42
YFB3-112M-4	4	1450	8.4	88.6%	0.82	26.3	65	54
YFB3-132S-4	5.5	1455	11.2	89.6%	0.83	36.1	71	70
YFB3-132M-4	7.5	1455	15.0	90.4%	0.84	49.2	71	84
YFB3-160M-4	11	1465	21.5	91.4%	0.85	71.7	73	128
YFB3-160L-4	15	1465	28.8	92.1%	0.86	97.8	73	150
YFB3-180M-4	18.5	1470	35.3	92.6%	0.86	120.2	76	182
YFB3-180L-4	22	1475	41.8	93.0%	0.86	142.4	76	223
YFB3-200L-4	30	1475	56.6	93.6%	0.86	194.2	76	300
YFB3-225S-4	37	1480	69.6	93.9%	0.86	238.8	78	354
YFB3-225M-4	45	1480	84.4	94.2%	0.86	290.4	78	342
YFB3-250M-4	55	1480	102.7	94.6%	0.86	354.9	79	460
YFB3-280S-4	75	1485	136.3	95.0%	0.88	482.3	80	581
YFB3-280M-4	90	1485	163.2	95.2%	0.88	578.8	80	658
YFB3-315S-4	110	1485	196.8	95.4%	0.89	707.4	88	914
YFB3-315M-4	132	1485	235.7	95.6%	0.89	848.9	88	1034
YFB3-315L1-4	160	1485	285.1	95.8%	0.89	1029.0	88	1078
YFB3-315L-4	185	1485	329.3	95.9%	0.89	1189.7	88	1150
YFB3-315L2-4	200	1485	351.7	96.0%	0.9	1286.2	88	1200
YFB3-355M1-4	220	1490	386.9	96.0%	0.9	1410.1	95	1650
YFB3-355M2-4	250	1490	439.6	96.0%	0.9	1602.3	95	1750
YFB3-355L1-4	280	1490	492.4	96.0%	0.9	1794.6	95	1870
YFB3-355L2-4	315	1490	553.9	96.0%	0.9	2019.0	95	1984
YFB3-3551-4	355	1490	638.5	96.0%	0.88	2275.3	102	2375
YFB3-3552-4	375	1490	674.4	96.0%	0.88	2403.5	102	2420

6pole-1000rpm synchronous speed 50HZ

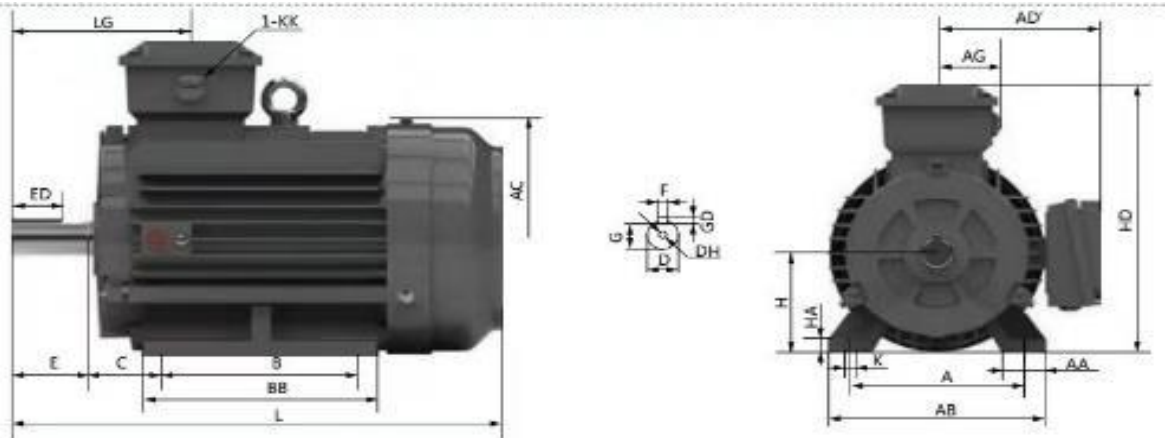
Motor Type	Rated Output(KW)	Rated Speed(rpm)	IFL 380V(A)	IFL400V(A)	IFL 415V(A)	IFL 525V(A)	EFF(%)	Power Factor(COSφ)	Rated Torque(N.m)	Noise Level dB(A)	Net Weight(kg)
YFB3-90S-6	0.75	935	2.0	1.9	1.9	1.5	78.9%	0.71	7.7	57	25
YFB3-90L-6	1.1	940	2.8	2.7	2.6	2.0	81.0%	0.73	11.2	57	30
YFB3-100L-6	1.5	945	3.8	3.6	3.5	2.7	82.5%	0.73	15.2	61	40
YFB3-112M-6	2.2	950	5.4	5.1	4.9	3.9	84.3%	0.74	22.1	65	39
YFB3-132S-6	3	960	7.2	6.8	6.6	5.2	85.6%	0.74	29.8	69	61
YFB3-132M1-6	4	960	9.5	9.0	8.7	6.8	86.8%	0.74	39.8	69	70
YFB3-132M2-6	5.5	960	12.7	12.0	11.6	9.2	88.0%	0.75	54.7	69	78
YFB3-160M-6	7.5	970	16.2	15.4	14.8	11.7	89.1%	0.79	73.8	73	116
YFB3-160L-6	11	970	23.1	22.0	21.2	16.7	90.3%	0.80	108.3	73	142
YFB3-180L-6	15	975	30.9	29.3	28.2	22.3	91.2%	0.81	146.9	73	188
YFB3-200L1-6	18.5	975	37.8	36.0	34.7	27.4	91.7%	0.81	181.2	73	234
YFB3-200L2-6	22	975	44.8	42.5	41.0	32.4	92.2%	0.81	215.5	73	275
YFB3-225M-6	30	985	59.1	56.2	54.1	42.8	92.9%	0.83	290.9	74	332
YFB3-250M-6	37	985	71.7	68.1	65.7	51.9	93.3%	0.84	358.7	76	422
YFB3-280S-6	45	985	85.8	81.6	78.6	62.1	93.7%	0.85	436.3	78	536
YFB3-280M-6	55	985	103.3	98.1	94.6	74.7	94.1%	0.86	533.2	78	590
YFB3-315S-6	75	990	143.4	136.2	131.3	103.8	94.6%	0.84	723.5	83	848
YFB3-315M-6	90	990	169.5	161.0	155.2	122.7	94.9%	0.85	868.2	83	942
YFB3-315L1-6	110	990	206.8	196.4	189.3	149.7	95.1%	0.85	1061.1	83	980
YFB3-315L2-6	132	990	244.5	232.2	223.8	176.9	95.4%	0.86	1273.3	83	1140
YFB3-355M1-6	160	990	295.7	281.0	270.7	214.0	95.6%	0.86	1543.4	85	1790
YFB3-355M-6	185	990	341.5	324.5	312.7	247.2	95.7%	0.86	1784.6	85	1680
YFB3-355M2-6	200	990	364.6	346.4	333.8	263.9	95.8%	0.87	1929.3	85	1945
YFB3-355L1-6	220	990	401.0	381.0	367.2	290.3	95.8%	0.87	2122.2	85	1810
YFB3-355L2-6	250	990	455.7	433.0	417.3	330.0	95.8%	0.87	2411.6	85	1960
YFB3-355I-6	280	990	510.4	485.0	467.4	369.5	95.8%	0.87	2701.0	91	2350
YFB3-355I2-6	315	990	581.0	551.9	532.0	420.5	95.8%	0.86	3038.6	91	2440

8pole-750rpm synchronous speed 50HZ

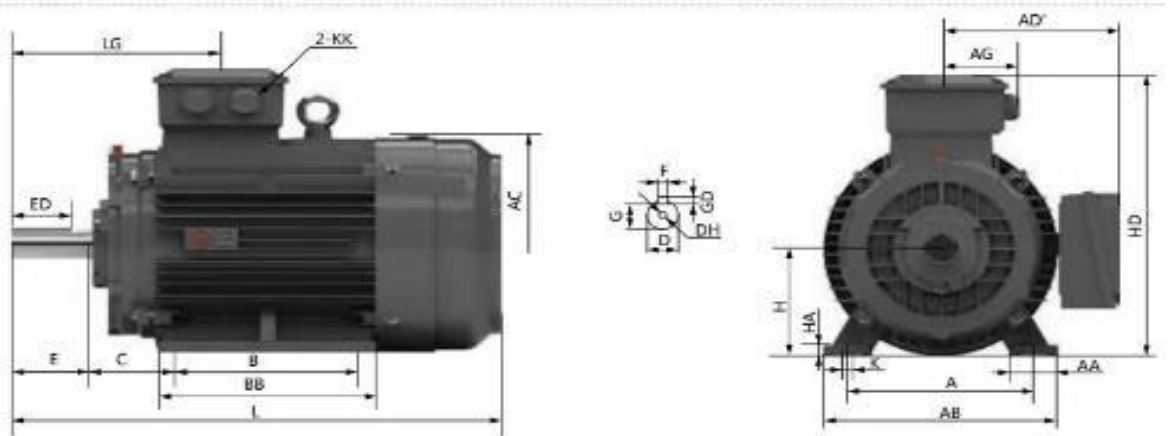
Motor Type	Rated Output(KW)	Rated Speed(rpm)	IFL 380V(A)	IFL400V(A)	IFL 415V(A)	IFL 525V(A)	EFF(%)	Power Factor(COSφ)	Rated Torque(N.m)	Noise Level dB(A)	Net Weight(kg)
YFB3-100L1-8	0.75	695	2.3	2.2	2.1	1.6	75.0%	0.67	10.3	59	40
YFB3-100L2-8	1.1	695	3.1	3.0	2.9	2.3	77.7%	0.69	15.1	59	42
YFB3-112M-8	1.5	695	4.1	3.9	3.7	3.0	79.7%	0.70	20.6	61	45
YFB3-132S-8	2.2	715	5.7	5.5	5.3	4.2	81.9%	0.71	29.4	64	60
YFB3-132M-8	3	715	7.5	7.1	6.8	5.4	83.5%	0.73	40.1	64	70
YFB3-160M1-8	4	725	9.8	9.3	9.0	7.1	84.8%	0.73	52.7	68	100
YFB3-160L2-8	5.5	725	13.1	12.4	12.0	9.5	86.2%	0.74	72.4	68	120
YFB3-160L-8	7.5	725	17.4	16.5	15.9	12.6	87.3%	0.75	98.8	68	130
YFB3-180L-8	11	735	25.2	23.9	23.0	18.2	88.6%	0.75	142.9	70	190
YFB3-200L-8	15	735	33.5	31.8	30.6	24.2	89.6%	0.76	194.9	73	230
YFB3-225S-8	18.5	735	41.0	39.0	37.6	29.7	90.1%	0.76	240.4	73	270
YFB3-225M-8	22	745	47.3	44.9	43.3	34.2	90.6%	0.78	282.0	73	300
YFB3-250M-8	30	745	63.2	60.0	57.9	45.7	91.3%	0.79	384.6	75	390
YFB3-280S-8	37	745	77.5	73.6	71.0	56.1	91.8%	0.79	474.3	76	510
YFB3-280M-8	45	745	93.9	89.2	86.0	67.9	92.2%	0.79	576.8	76	560
YFB3-315S-8	55	745	111.5	106.0	102.1	80.7	92.5%	0.81	705.0	82	770
YFB3-315M-8	75	745	151.1	143.6	138.4	109.4	93.1%	0.81	961.4	82	1000
YFB3-315L1-8	90	745	178.5	169.6	163.5	129.2	93.4%	0.82	1153.7	82	1060
YFB3-315L2-8	110	745	217.5	206.6	199.2	157.4	93.7%	0.82	1410.1	82	1060
YFB3-355M1-8	132	745	263.4	250.2	241.2	190.7	94.0%	0.82	1692.1	89	1680
YFB3-355M-8	160	745	318.3	302.4	291.4	230.4	94.3%	0.82	2051.0	89	1760
YFB3-355L1-8	185	745	368.0	349.6	337	266.4	94.3%	0.82	2371.5	89	1850
YFB3-355L2-8	200	745	396.6	376.7	363.1	287	94.6%	0.82	2563.8	89	1990
YFB3-355I-8	220	745	436.2	414.4	399.5	315.8	94.6%	0.83	2820.1	89	2380
YFB3-355I2-8	250	745	495.7	471	454	358.8	94.6%	0.83	3204.7	89	2430

◆ Dimensions Foot Mount B3

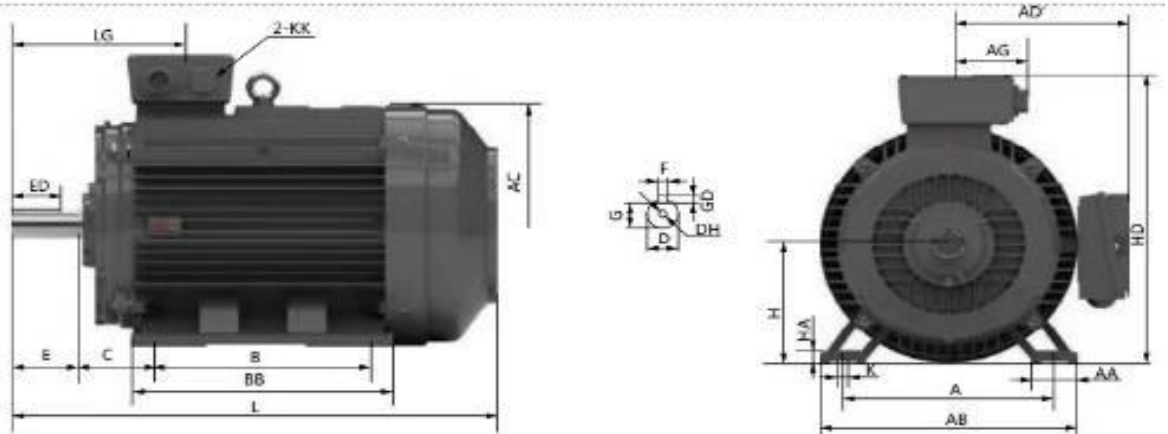
YFB3-80~132



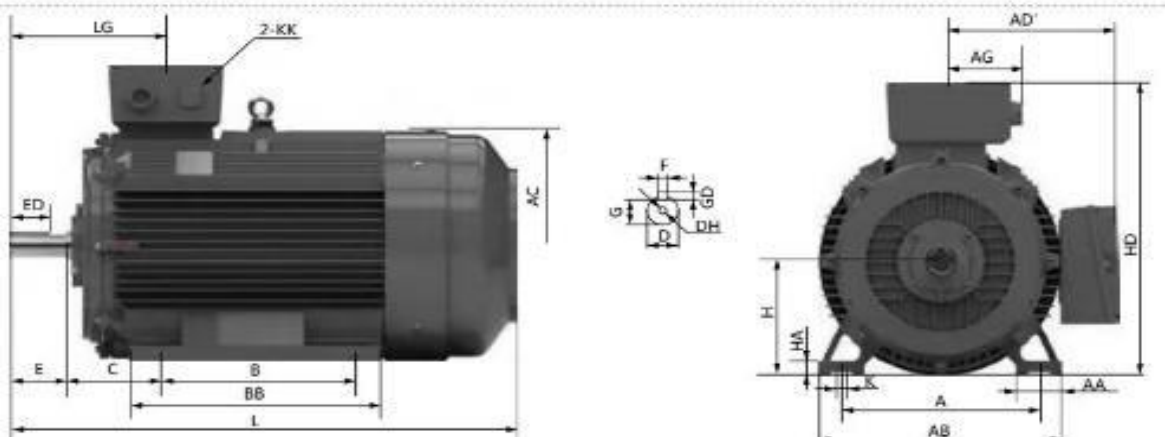
YFB3-160~200



YFB3-225~280



YFB3-315~355



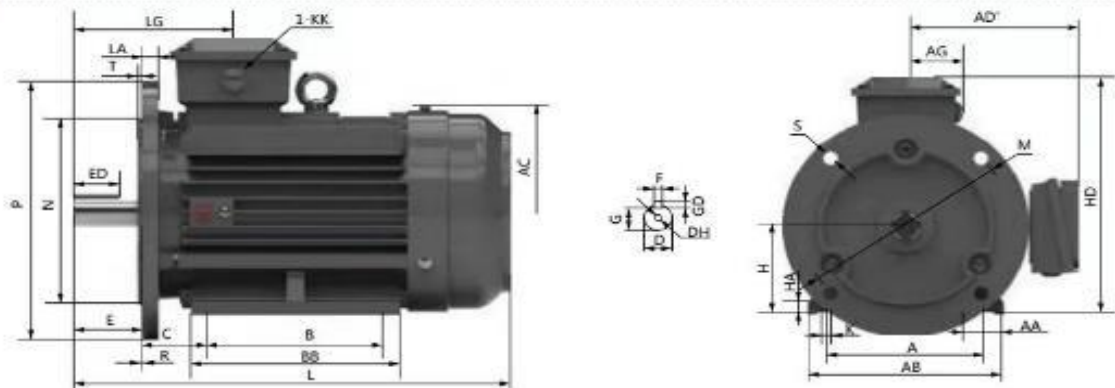
Dimensions Foot Mount B3

FRAME SIZE	POLES	A	B	C	D	E	F	G	H	P	KK	K	AB	BB	AE	AC	AD	HD	L
80M	2-8	125	100	50	19	40	6	15.5	80	10	M20X1.5	10	156	142	34	175	90	240	302
90S	2-8	140	100	56	24	50	8	20	90	12.5	M20X1.5	10	176	180	36	190	94	270	360
90L	2-8	140	125	56	24	50	8	20	90	12.5	M20X1.5	10	176	210	36	190	94	270	390
100L	2-8	160	140	63	28	60	8	24	100	14	M20X1.5	12	198	233	40	215	94	290	435
112M	2-8	190	140	70	28	60	8	24	112	14	M25X1.5	12	226	252	45	236	110	322	461
132S	2-8	216	140	89	38	80	10	33	132	16	M25X1.5	12	260	220	52	275	110	365	492
132M	2-8	216	178	89	38	80	10	33	132	16	M25X1.5	12	260	258	52	275	110	365	530
160M	2-8	254	210	108	42	110	12	37	160	19	M32X1.5	14.5	314	302	65	330	137	439	668
160L	2-8	254	254	108	42	110	12	37	160	19	M32X1.5	14.5	314	325	65	330	137	439	690
180M	2-8	279	241	121	48	110	14	42.5	180	22	M32X1.5	14.5	345	330	70	380	137	472	733
180L	2-8	279	279	121	48	110	14	42.5	180	22	M32X1.5	14.5	345	370	70	380	137	472	781
200L	2-8	318	305	133	55	110	16	49	200	25	M40X1.5	18.5	388	363	70	420	176	520	798
225S	4、8	356	286	149	60	140	18	53	225	28	M40X1.5	18.5	431	349	75	465	176	570	850
225M	2	356	311	149	55	110	16	49	225	28	M40X1.5	18.5	431	374	75	465	176	570	840
225M	4-8	356	311	149	60	140	18	53	225	28	M40X1.5	18.5	431	374	75	465	176	570	875
250M	2	406	349	168	60	140	18	53	250	33	M63X1.5	24	484	433	88	520	207	632	954
250M	4-8	406	349	168	65	140	18	58	250	33	M63X1.5	24	484	433	88	520	207	632	960
280S	2	457	368	190	65	140	18	58	280	35	M63X1.5	24	546	514	85	570	207	691	986
280S	4-8	457	368	190	75	140	20	67.5	280	35	M63X1.5	24	546	514	85	570	207	691	990
280M	2	457	419	190	65	140	18	58	280	35	M63X1.5	24	546	554	85	570	207	691	1026
280M	4-8	457	419	190	75	140	20	67.5	280	35	M63X1.5	24	546	554	85	570	207	691	1030
315S	2	508	406	216	65	140	18	58	315	45	M63X1.5	28	624	511	118	650	249	832	1162
315S	4-10	508	406	216	80	170	22	71	315	45	M63X1.5	28	624	511	118	650	249	832	1213
315M	2	508	457	216	65	140	18	58	315	45	M63X1.5	28	624	621	118	650	249	832	1272
315M	4-10	508	457	216	80	170	22	71	315	45	M63X1.5	28	624	621	118	650	249	832	1323
315L	2	508	508	216	65	140	18	58	315	45	M63X1.5	28	624	621	118	650	249	832	1272
315L	4-10	508	508	216	80	170	22	71	315	45	M63X1.5	28	624	621	118	650	249	832	1323
355M	2	610	560	254	75	140	20	67.5	355	49	M72X2	28	730	770	125	735	415	1019	1524
355M	4-10	610	560	254	95	170	25	86	355	49	M72X2	28	730	770	125	735	415	1019	1554
355L	2	610	630	254	75	140	20	67.5	355	49	M72X2	28	730	770	125	735	415	1019	1524
355L	4-10	610	630	254	95	170	25	86	355	49	M72X2	28	730	770	125	735	415	1019	1554
3551、3552	2	610	630	254	75	140	20	67.5	355	49	M72X2	28	730	870	125	735	415	1019	1624
3551、3552	4-10	610	630	254	95	170	25	86	355	49	M72X2	28	730	870	125	735	415	1019	1654

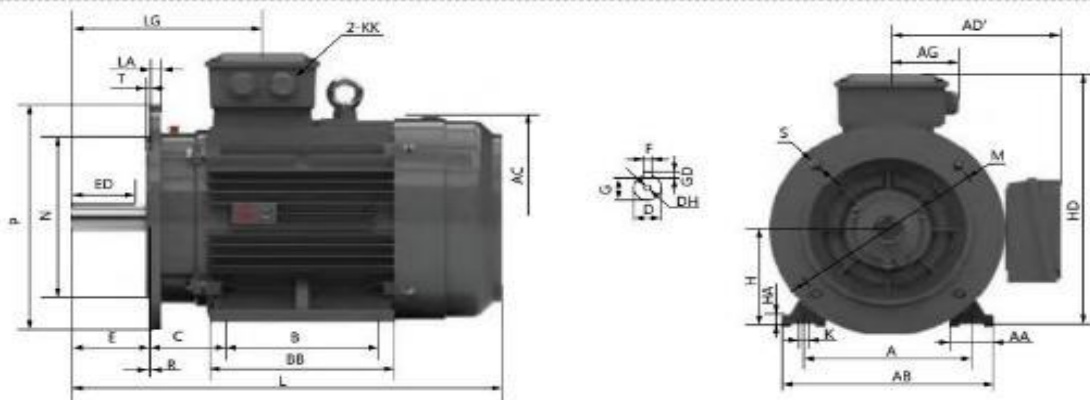
此外形图用于 YFB2 防爆等级为 ExtDA21IP65T130°C

◆ Dimensions Foot Mount B35

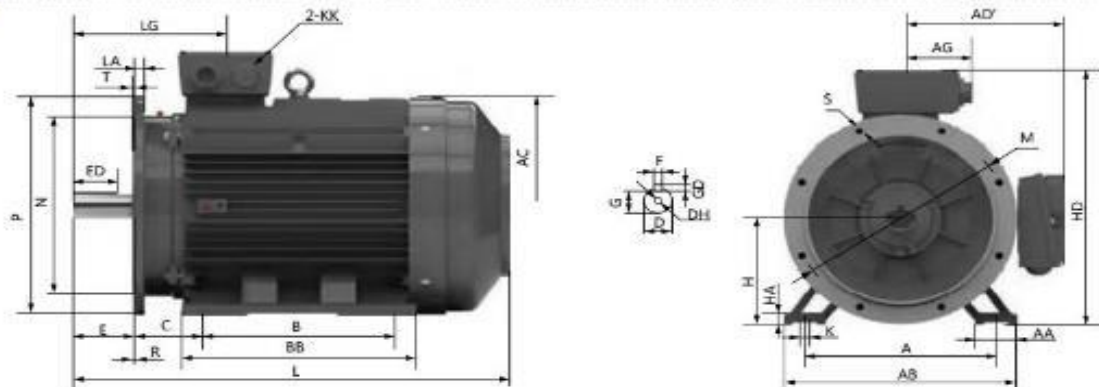
YFB3-80~132



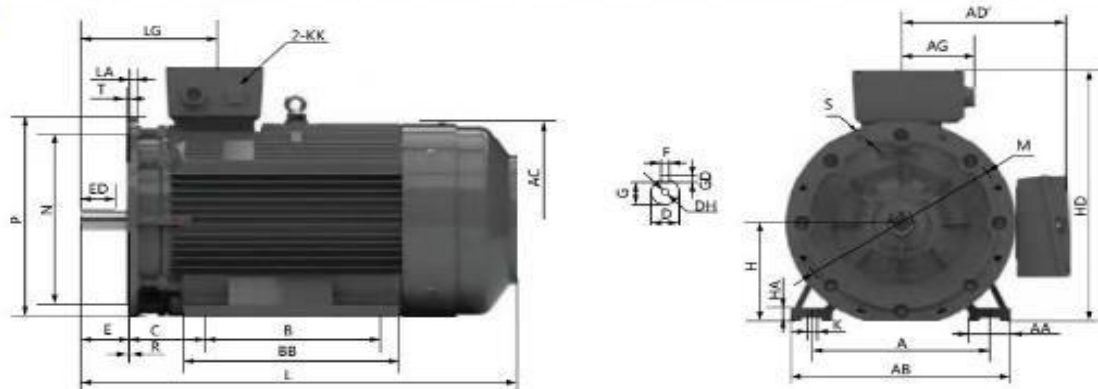
YFB3-160~200



YFB3-225~280



YFB3-315~355



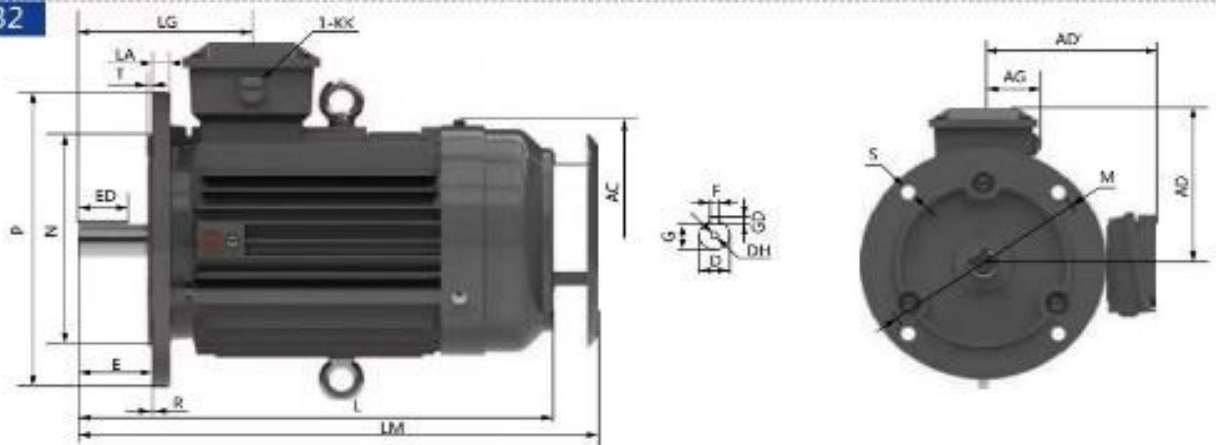
Dimensions Foot-Flange Mount B35

FRAME SIZE	POLES	A	B	C	D	E	F	G	H	K	M	N	S	T	P	W	KK	AB	BB	AC	AD	AE	HD	L
80M	2-4	125	100	50	19	40	6	15.5	80	10	165	130	12	3.5	200	10	M20X1.5	156	142	175	90	34	240	302
90S	2-8	140	100	56	24	50	8	20	90	10	165	130	12	3.5	200	12.5	M20X1.5	176	180	190	94	36	270	360
90L	2-8	140	125	56	24	50	8	20	90	10	165	130	12	3.5	200	12.5	M20X1.5	176	210	190	94	36	270	390
100L	2-8	160	140	63	28	60	8	24	100	12	215	180	14.5	4	250	14	M20X1.5	198	233	215	94	40	290	435
112M	2-8	190	140	70	28	60	8	24	112	12	215	180	14.5	4	250	14	M25X1.5	226	252	236	110	45	322	461
132S	2-8	216	140	89	38	80	10	33	132	12	265	230	14.5	4	300	16	M25X1.5	260	220	275	110	52	365	492
132M	2-8	216	178	89	38	80	10	33	132	12	265	230	14.5	4	300	16	M25X1.5	260	258	275	110	52	365	530
160M	2-8	254	210	108	42	110	12	37	160	14.5	300	250	18.5	5	350	19	M32X1.5	314	302	330	137	65	439	668
160L	2-8	254	254	108	42	110	12	37	160	14.5	300	250	18.5	5	350	19	M32X1.5	314	325	330	137	65	439	690
180M	2-8	279	241	121	48	110	14	42.5	180	14.5	300	250	18.5	5	350	22	M32X1.5	345	330	380	137	70	472	733
180L	2-8	279	279	121	48	110	14	42.5	180	14.5	300	250	18.5	5	350	22	M32X1.5	345	370	380	137	70	472	781
200L	2-8	318	305	133	55	110	16	49	200	18.5	350	300	18.5	5	400	25	M40X1.5	388	363	420	176	70	520	798
225S	4, 8	356	286	149	60	140	18	53	225	18.5	400	350	18.5	5	450	28	M40X1.5	431	349	465	176	75	570	850
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	18.5	5	450	28	M40X1.5	431	374	465	176	75	570	840
225M	4-8	356	311	149	60	140	18	53	225	18.5	400	350	18.5	5	450	28	M40X1.5	431	374	465	176	75	570	875
250M	2	406	349	168	60	140	18	53	250	24	500	450	18.5	5	550	33	M63X1.5	484	433	520	207	88	632	954
250M	4-8	406	349	168	65	140	18	58	250	24	500	450	18.5	5	550	33	M63X1.5	484	433	520	207	88	632	960
280S	2	457	368	190	65	140	18	58	280	24	500	450	18.5	5	550	35	M63X1.5	546	514	570	207	85	691	986
280S	4-8	457	368	190	75	140	20	67.5	280	24	500	450	18.5	5	550	35	M63X1.5	546	514	570	207	85	691	990
280M	2	457	419	190	65	140	18	58	280	24	500	450	18.5	5	550	35	M63X1.5	546	554	570	207	85	691	1026
280M	4-8	457	419	190	75	140	20	67.5	280	24	500	450	18.5	5	550	35	M63X1.5	546	554	570	207	85	691	1030
315S	2	508	406	216	65	140	18	58	315	28	600	550	24	6	660	45	M63X1.5	624	511	650	249	118	832	1162
315S	4-10	508	406	216	80	170	22	71	315	28	600	550	24	6	660	45	M63X1.5	624	511	650	249	118	832	1213
315M	2	508	457	216	65	140	18	58	315	28	600	550	24	6	660	45	M63X1.5	624	621	650	249	118	832	1272
315M	4-10	508	457	216	80	170	22	71	315	28	600	550	24	6	660	45	M63X1.5	624	621	650	249	118	832	1323
315L	2	508	508	216	65	140	18	58	315	28	600	550	24	6	660	45	M63X1.5	624	621	650	249	118	832	1272
315L	4-10	508	508	216	80	170	22	71	315	28	600	550	24	6	660	45	M63X1.5	624	621	650	249	118	832	1323
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	24	6	800	49	M72X2	730	770	735	415	125	1019	1524
355M	4-10	610	560	254	95	170	25	86	355	28	740	680	24	6	800	49	M72X2	730	770	735	415	125	1019	1554
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	49	M72X2	730	770	735	415	125	1019	1524
355L	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	49	M72X2	730	770	735	415	125	1019	1554
3551, 3552	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	49	M72X12	730	870	735	415	125	1019	1624
3551, 3552	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	49	M72X12	730	870	735	415	125	1019	1654

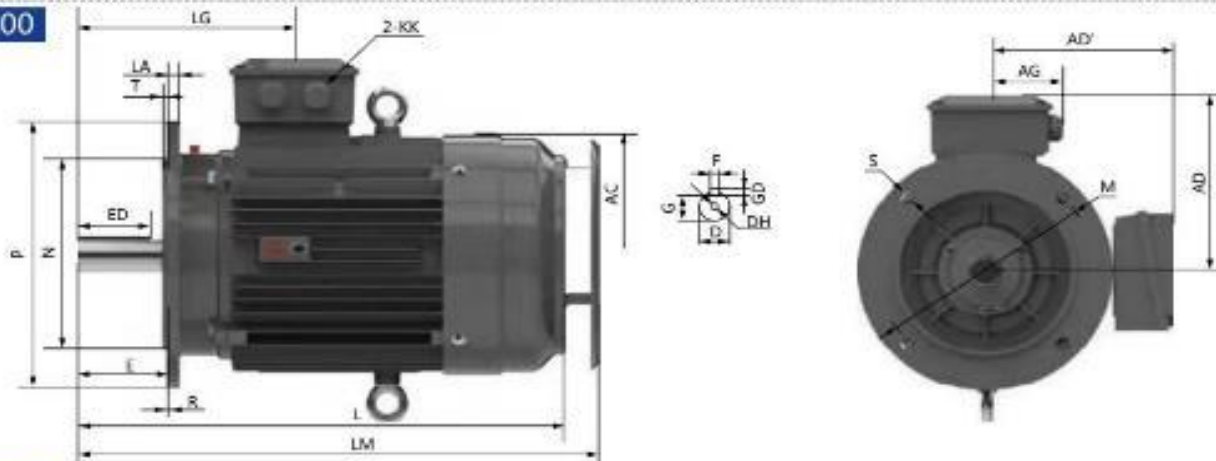
(此外形图用于 YFB2 防爆等级为 ExtDA21IP65T130°C)

◆ Dimensions Foot Mount B5&V1

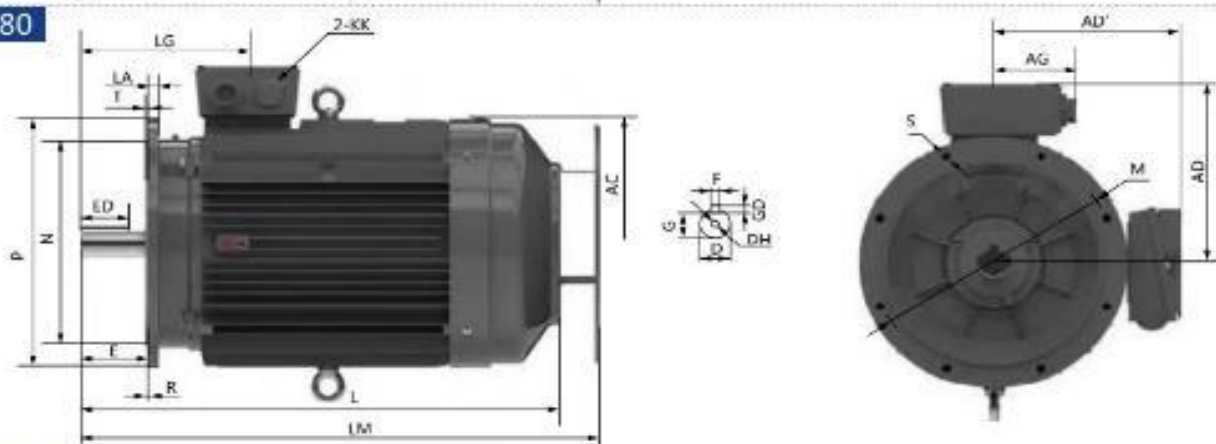
YFB3-80~132



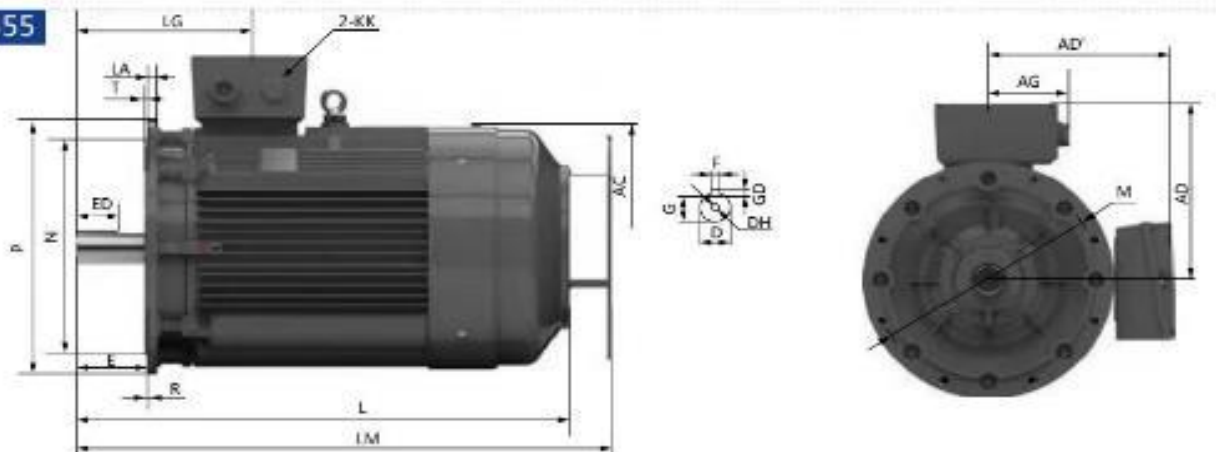
YFB3-160~200



YFB3-225~280



YFB3-315~355



Dimensions Flange Mount B5&V1

FRAME SIZE	POLES	D	E	F	G	M	N	S	T	P	KK	AD	HD	L(B5)	L1(V1)
80M	2-8	19	40	6	15.5	165	130	12	3.5	200	M20X1.5	90	160	302	402
90S	2-8	24	50	8	20	165	130	12	3.5	200	M20X1.5	94	180	360	460
90L	2-8	24	50	8	20	165	130	12	3.5	200	M20X1.5	94	180	390	490
100L	2-8	28	60	8	24	215	180	14.5	4	250	M20X1.5	94	190	435	535
112M	2-8	28	60	8	24	215	180	14.5	4	250	M25X1.5	110	210	461	561
132S	2-8	38	80	10	33	265	230	14.5	4	300	M25X1.5	110	233	492	592
132M	2-8	38	80	10	33	265	230	14.5	4	300	M25X1.5	110	233	530	630
160M	2-8	42	110	12	37	300	250	18.5	5	350	M32X1.5	137	279	668	768
160L	2-8	42	110	12	37	300	250	18.5	5	350	M32X1.5	137	279	690	790
180M	2-8	48	110	14	42.5	300	250	18.5	5	350	M32X1.5	137	292	733	833
180L	2-8	48	110	14	42.5	300	250	18.5	5	350	M32X1.5	137	292	781	881
200L	2-8	55	110	16	49	350	300	18.5	5	400	M40X1.5	176	320	798	898
225S	4、8	60	140	18	53	400	350	18.5	5	450	M40X1.5	176	345	850	950
225M	2	55	110	16	49	400	350	18.5	5	450	M40X1.5	176	345	840	940
225M	4-8	60	140	18	53	400	350	18.5	5	450	M40X1.5	176	345	875	975
250M	2	60	140	18	53	500	450	18.5	5	550	M63X1.5	207	382	954	1054
250M	4-8	65	140	18	58	500	450	18.5	5	550	M63X1.5	207	382	954	1060
280S	2	65	140	18	58	500	450	18.5	5	550	M63X1.5	207	411	986	1086
280S	4-8	75	140	20	67.5	500	450	18.5	5	550	M63X1.5	207	411	990	1090
280M	2	65	140	18	58	500	450	18.5	5	550	M63X1.5	207	411	1026	1126
280M	4-8	75	140	20	67.5	500	450	18.5	5	550	M63X1.5	207	411	1030	1130
315S	2	65	140	18	58	600	550	24	6	660	M63X1.5	249	517	-	1262
315S	4-10	80	170	22	71	600	550	24	6	660	M63X1.5	249	517		1313
315M	2	65	140	18	58	600	550	24	6	660	M63X1.5	249	517	-	1372
315M	4-10	80	170	22	71	600	550	24	6	660	M63X1.5	249	517	-	1423
315L	2	65	140	18	58	600	550	24	6	660	M63X1.5	249	517	-	1372
315L	4-10	80	170	22	71	600	550	24	6	660	M63X1.5	249	517		1423
355M	2	75	140	20	67.5	740	680	24	6	800	M72X2	415	664	-	1624
355M	4-10	95	170	25	86	740	680	24	6	800	M72X2	415	664	-	1654
355L	2	75	140	20	67.5	740	680	24	6	800	M72X2	415	664	-	1624
355L	4-10	95	170	25	86	740	680	24	6	800	M72X2	415	664	-	1654
3551、3552	2	75	140	20	67.5	740	680	24	6	800	M72X2	415	664	—	1724
3551、3552	4-10	95	170	25	86	740	680	24	6	800	M72X2	415	664	-	1754

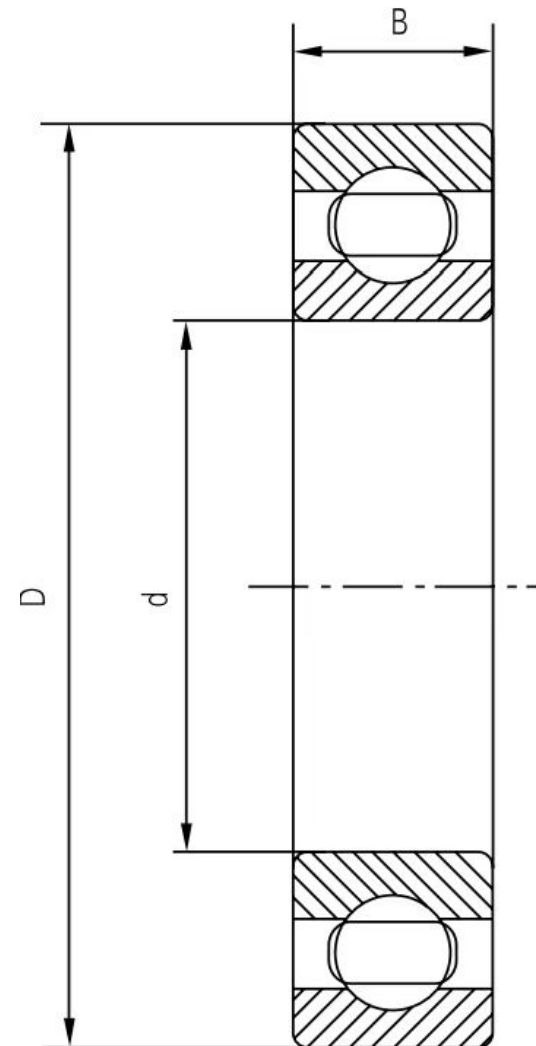
(此外形图用于 YFB2 防爆等级为 ExtDA21IP65T130°C)

Bearing、Seal

Bearing data

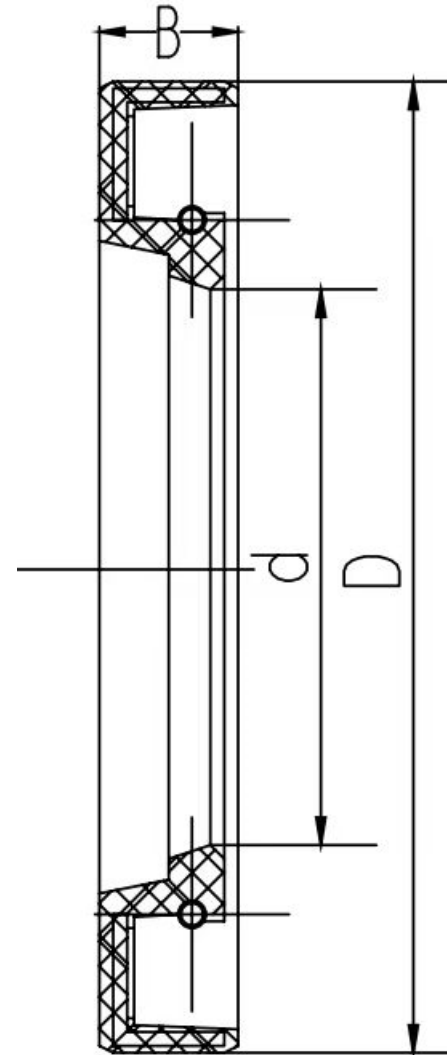
Motor Type	DE	NDE	d	D	B
YFB3-80	6204ZZ	6204ZZ	20	47	14
YFB3-90	6205ZZ	6205ZZ	25	52	15
YFB3-100	6206ZZ	6206ZZ	30	62	16
YFB3-112	6306ZZ	6306ZZ	30	72	19
YFB3-132	6308ZZ	6308ZZ	40	90	23
YFB3-160	6309	6309	45	100	25
YFB3-180	6311	6311	55	120	29
YFB3-200	6312	6312	60	130	31
YFB3-225	6313	6313	65	140	33
YFB3-250	6314	6314	70	150	35
YFB3-2802P	6314	6314	70	150	35
YFB3-2804-8P	6317	6317	85	180	41
YFB3-3152P	6316	6316	80	170	39
YFB3-3154-8P	6319	6319	95	200	45
YFB3-355(2P)(B3,B35	6319	6319	95	200	45
YFB3-355(2P)V1	6319	7319	95	200	45
YFB3-355(4-8P)(B3,B35)	6322	6322	110	240	50
YFB3-355(4-68)V1	6322	7322	110	240	50
YFB3-3551、3552(2P)(B3,B35)	6319/C3	6319/C3	95	200	45
YFB3-3551、3552(4-8P)(B3,B35)	6324	6324	120	260	55
YFB3-3551、3552(2P)V1	6319C3	7319	95	200	45
YFB3-3551、3552(4-8P)V1	6324	7324	110	260	55

bearing data

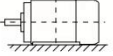
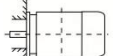
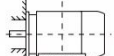
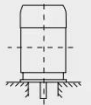
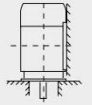
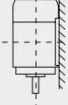
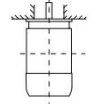
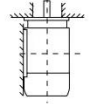
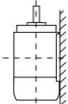


Skeleton oil seal ring data

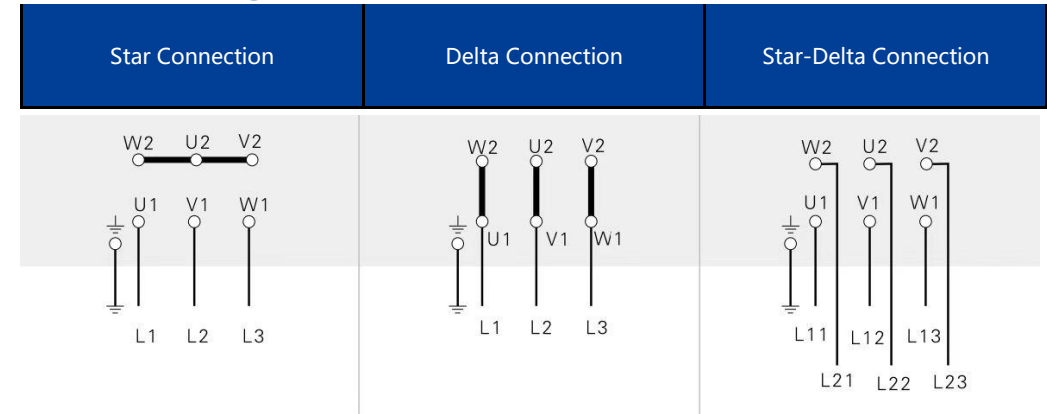
Motor Type	Drive end(D.E.)			Non drive end(N.D.E.)		
	d	D	B	d	D	B
YFB3-80	20	35	5	20	35	5
YFB3-90	25	40	5	25	40	5
YFB3-100	30	52	7	30	52	7
YFB3-112	30	52	7	30	52	7
YFB3-132	40	62	5	40	62	5
YFB3-160	45	65	8	45	65	8
YFB3-180	55	75	8	55	75	8
YFB3-200	60	80	8	60	80	8
YFB3-225	65	90	10	65	90	10
YFB3-250	70	95	10	70	95	10
YFB3-280-2	70	95	10	70	95	10
YFB3-280-4.6.8	85	110	12	85	110	12
YFB3-315-2	80	100	10	80	100	10
YFB3-315-4.6.8	95	120	12	95	120	12
YFB3-355-2	95	120	12	95	120	12
YFB3-355-4.6.8	110	140	12	110	140	12
YFB3-35512(2P)	95	120	12	95	120	12
YFB3-35512(4-8P)	120	150	12	120	150	12

oil seal data


Mounting Arrangements

Foot mig horiz	Flange mig	Foot/Flange mig	Flt mig vert
B3 IM1001 H80 ~ 355 	B5 IM3001 H80 ~ 280 	B35 IM2001 H80 ~ 355 	
B6 IM1051 H80 ~ 160 	V1 IM3011 H80 ~ 355 	V15 IM2011 H80 ~ 160 	V5 IM1011 H80 ~ 160 
B7 IM1061 H80 ~ 160 	V3 IM3031 H80 ~ 160 	V36 IM2031 H80 ~ 160 	V6 IM1031 H80 ~ 160 
B8 IM1071 H80 ~ 160 			

Connection Diagrams Three phase motor with cage rotor



YBBP series Flameproof variable Frequency Adjustable-speed Three-phase Asynchronous Motors



Product Introduction

YBBP series flameproof frequency control of motor speed three phase asynchronous motor made in accordance with the provisions of GB3836.2 ampere the explosion-proof marks for Exd II BT4Gb. It is suitable for use as general power equipment in the places where the inflammable gas or explosive mixture formed by steam and air in class A and class B group T1 ~ T4. The system can run with constant torque and constant power in a wide range. It is a speed-regulating explosion-proof motor powered by inverter. Executive standard is JB/T11201.1-2011

Specification

Site conditions

The standard working conditions of YBBP series motors are as follows: The altitude is not more than 1000 meters, the lowest ambient temperature is -15°C , and the highest ambient temperature is 40°C .

Temperature rise and insulation

F Class (155°C) insulation system and temperature rise class B (80K) are adopted to the motor. The service life and reliability of the motor are guaranteed.

• Cooling and ventilation standard cooling mode is IC416 standard motor equipped with forced cooling fan

Protection class

The standard protection class of motor is IP55, can be used in industry or humid environment,

Voltage, frequency

Frame size 80-100, the voltage is 380V

Frame size 112-355, the voltage is 380V/660V

380/660V under the condition that the supply voltage deviates from the rated voltage by 5%, it can still run well

Terminal box position

Terminal box in the upper part of the frame can be four directions into the line, the line is divided into rubber cable and steel pipe wiring two kinds

Quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality certification system, strict compliance with quality procedures

2pole-3000rpm synchronous speed 50HZ

Motor Type	Rated Output(KW)	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(COSφ)	Rated Torque(N.m)	Net Weight(kg)
YBBP-80M1-2	0.75	2855	1.8	77.4%	0.82	2.5	33
YBBP-80M2-2	1.1	2855	2.5	79.6%	0.83	3.7	34
YBBP-90S-2	1.5	2875	3.3	81.3%	0.84	5.0	35
YBBP-90L-2	2.2	2875	4.7	83.2%	0.85	7.3	44
YBBP-100L-2	3	2880	6.2	84.6%	0.87	9.9	55
YBBP-112M-2	4	2900	8.0	85.8%	0.88	13.2	64
YBBP-132S1-2	5.5	2900	10.9	87.0%	0.88	18.1	95
YBBP-132S2-2	7.5	2900	14.5	88.1%	0.89	24.7	101
YBBP-160M1-2	11	2940	21.0	89.4%	0.89	35.7	157
YBBP-160M2-2	15	2940	28.4	90.3%	0.89	48.7	165
YBBP-160L-2	18.5	2940	34.7	90.9%	0.89	60.1	176
YBBP-180M-2	22	2955	41.1	91.3%	0.89	71.1	220
YBBP-200L1-2	30	2965	55.7	92.0%	0.89	96.6	280
YBBP-200L2-2	37	2965	68.3	92.5%	0.89	119.2	313
YBBP-225M-2	45	2970	82.7	92.9%	0.89	144.7	360
YBBP-250M-2	55	2975	100.7	93.2%	0.89	176.6	523
YBBP-280S-2	75	2975	136.5	93.8%	0.89	240.8	660
YBBP-280M-2	90	2975	163.3	94.1%	0.89	288.9	715
YBBP-315S-2	110	2980	196.9	94.3%	0.9	352.5	1000
YBBP-315M-2	132	2980	235.6	94.6%	0.9	423.0	1142
YBBP-315L1-2	160	2980	281.8	94.8%	0.91	512.8	1274
YBBP-315L2-2	200	2980	351.5	95.0%	0.91	640.9	1366
YBBP-355M1-2	220	2980	386.7	95.0%	0.91	705.0	1640
YBBP-355M2-2	250	2980	439.4	95.0%	0.91	801.2	1800
YBBP-355L1-2	280	2980	492.1	95.0%	0.91	897.3	1900
YBBP-355L2-2	315	2980	553.6	95.0%	0.91	1009.5	1960

4pole-1500rpm synchronous speed 50HZ

Motor Type	Rated Output(KW)	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(COSφ)	Rated Torque(N.m)	Net Weight(kg)
YBBP-80M2-4	0.75	1400	1.9	79.6%	0.76	5.1	35
YBBP-90S-4	1.1	1425	2.7	81.4%	0.77	7.4	42
YBBP-90L-4	1.5	1425	3.5	82.8%	0.78	10.1	41
YBBP-100L1-4	2.2	1440	5.0	84.3%	0.8	14.6	54
YBBP-100L2-4	3	1440	6.6	85.5%	0.81	19.9	57
YBBP-112M-4	4	1450	8.7	86.6%	0.81	26.3	76
YBBP-132S-4	5.5	1455	11.6	87.7%	0.82	36.1	100
YBBP-132M-4	7.5	1455	15.5	88.7%	0.83	49.2	108
YBBP-160M-4	11	1465	22.4	89.8%	0.83	71.7	160
YBBP-160L-4	15	1465	29.9	90.6%	0.84	97.8	181
YBBP-180M-4	18.5	1470	36.3	91.2%	0.85	120.2	219
YBBP-180L-4	22	1475	42.9	91.6%	0.85	142.4	257
YBBP-200L-4	30	1475	58.1	92.3%	0.85	194.2	307
YBBP-225S-4	37	1480	70.5	92.7%	0.86	238.8	388
YBBP-225M-4	45	1480	85.4	93.1%	0.86	290.4	400
YBBP-250M-4	55	1480	103.9	93.5%	0.86	354.9	520
YBBP-280S-4	75	1485	139.3	94.0%	0.87	482.3	677
YBBP-280M-4	90	1485	165.0	94.2%	0.88	578.8	722
YBBP-315S-4	110	1485	198.7	94.5%	0.89	707.4	960
YBBP-315M-4	132	1485	238.0	94.7%	0.89	848.9	1090
YBBP-315L1-4	160	1485	284.6	94.9%	0.9	1029.0	1170
YBBP-315L2-4	200	1485	355.0	95.1%	0.9	1286.2	1414
YBBP-355M1-4	220	1490	390.5	95.1%	0.9	1410.1	1664
YBBP-355M2-4	250	1490	443.8	95.1%	0.9	1602.3	1780
YBBP-355L1-4	280	1490	497.1	95.1%	0.9	1794.6	1940
YBBP-355L2-4	315	1490	559.2	95.1%	0.9	2019.0	2040

6pole-1000rpm synchronous speed 50HZ

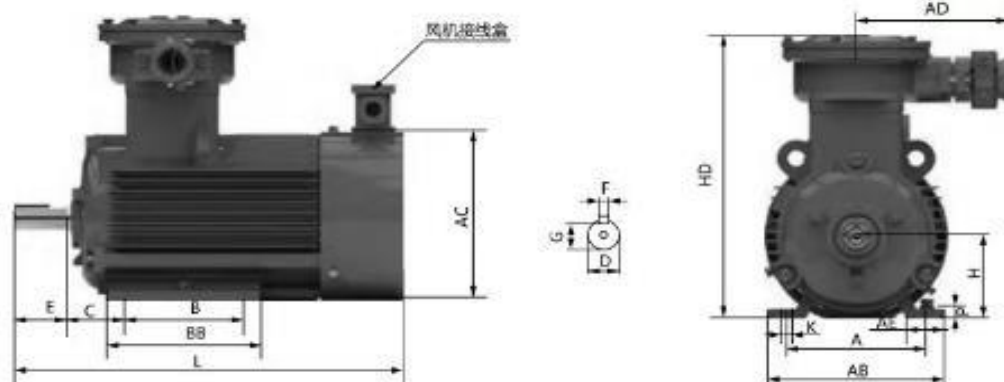
Motor Type	Rated Output(KW)	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(COSφ)	Rated Torque(N.m)	Net Weight(kg)
YBBP-90S-6	0.75	935	2.1	75.9%	0.71	7.7	39
YBBP-90L-6	1.1	940	3.0	78.1%	0.72	11.2	47
YBBP-100L-6	1.5	945	4.0	79.8%	0.72	15.2	52
YBBP-112M-6	2.2	950	5.7	81.8%	0.72	22.1	70
YBBP-132S-6	3	960	7.6	83.3%	0.72	29.8	91
YBBP-132M1-6	4	960	9.7	84.6%	0.74	39.8	101
YBBP-132M2-6	5.5	960	13.0	86.0%	0.75	54.7	113
YBBP-160M-6	7.5	970	16.8	87.2%	0.78	73.8	161
YBBP-160L-6	11	970	23.9	88.7%	0.79	108.3	183
YBBP-180L-6	15	975	31.0	89.7%	0.82	146.9	220
YBBP-200L1-6	18.5	975	38.9	90.4%	0.8	181.2	272
YBBP-200L2-6	22	975	45.4	90.9%	0.81	215.5	298
YBBP-225M-6	30	985	60.6	91.7%	0.82	290.9	380
YBBP-250M-6	37	985	73.5	92.2%	0.83	358.7	475
YBBP-280S-6	45	985	86.8	92.7%	0.85	436.3	650
YBBP-280M-6	55	985	104.4	93.1%	0.86	533.2	680
YBBP-315S-6	75	990	144.8	93.7%	0.84	723.5	954
YBBP-315M-6	90	990	171.1	94.0%	0.85	868.2	1134
YBBP-315L1-6	110	990	208.5	94.3%	0.85	1061.1	1194
YBBP-315L2-6	132	990	246.5	94.6%	0.86	1273.3	1294
YBBP-355S-6	160	990	298.2	94.8%	0.86	1543.4	1680
YBBP-355M1-6	185	990	344.8	94.8%	0.86	1784.6	1765
YBBP-355M2-6	200	990	371.9	95.0%	0.86	1929.3	1860
YBBP-355L1-6	220	990	409.1	95.0%	0.86	2122.2	1989
YBBP-355L2-6	250	990	464.9	95.0%	0.86	2411.6	2053

8pole-750rpm synchronous speed 50HZ

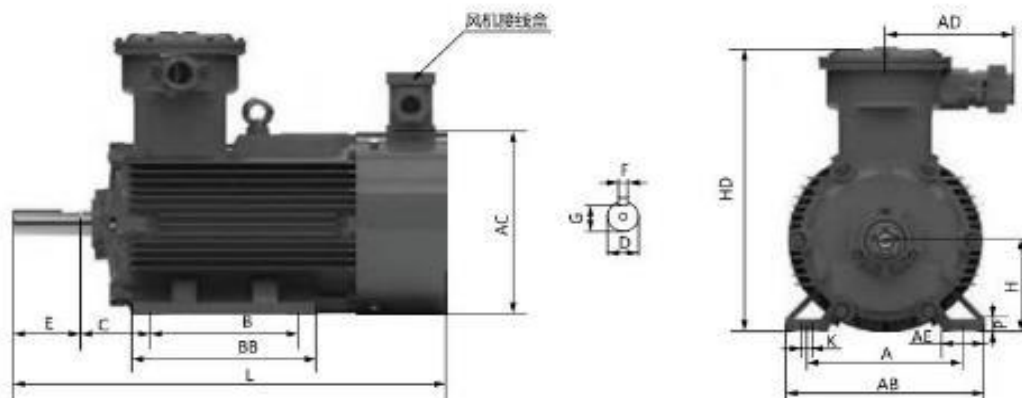
Motor Type	Rated Output(KW)	Rated Speed(rpm)	IFL 380V(A)	EFF(%)	Power Factor(COSφ)	Rated Torque(N.m)	Net Weight(kg)
YBBP-100L1-8	0.75	690	2.6	66.2%	0.67	10.4	58
YBBP-100L2-8	1.1	690	3.4	70.8%	0.69	15.2	63
YBBP-112M-8	1.5	690	4.4	74.1%	0.70	20.8	75
YBBP-132S-8	2.2	710	6.1	77.6%	0.71	29.6	95
YBBP-132M-8	3	710	7.8	80.0%	0.73	40.4	102
YBBP-160M1-8	4	720	10.2	81.9%	0.73	53.1	146
YBBP-160M2-8	5.5	720	13.5	83.8%	0.74	73.0	156
YBBP-160L-8	7.5	720	17.8	85.3%	0.75	99.5	182
YBBP-180L-8	11	730	25.6	86.9%	0.75	143.9	240
YBBP-200L-8	15	730	34.1	88.0%	0.76	196.2	302
YBBP-225S-8	18.5	730	41.7	88.6%	0.76	242.0	342
YBBP-225M-8	22	740	48.1	89.1%	0.78	283.9	362
YBBP-250M-8	30	740	64.3	89.8%	0.79	387.2	502
YBBP-280S-8	37	740	78.8	90.3%	0.79	477.5	614
YBBP-280M-8	45	740	95.4	90.7%	0.79	580.7	640
YBBP-315S-8	55	740	113.4	91.0%	0.81	709.8	1004
YBBP-315M-8	75	740	153.6	91.6%	0.81	967.9	1169
YBBP-315L1-8	90	740	181.5	91.9%	0.82	1161.5	1354
YBBP-315L2-8	110	740	220.8	92.3%	0.82	1419.6	1394
YBBP-355S-8	132	740	264.1	92.6%	0.82	1704	1680
YBBP-355M-8	160	740	318.8	93.0%	0.82	2066	1860
YBBP-355L1-8	185	740	366.6	93.5%	0.82	2388	1970
YBBP-355L2-8	200	740	396.4	93.5%	0.82	2582	2060

Dimensions Foot Mount B5&V1

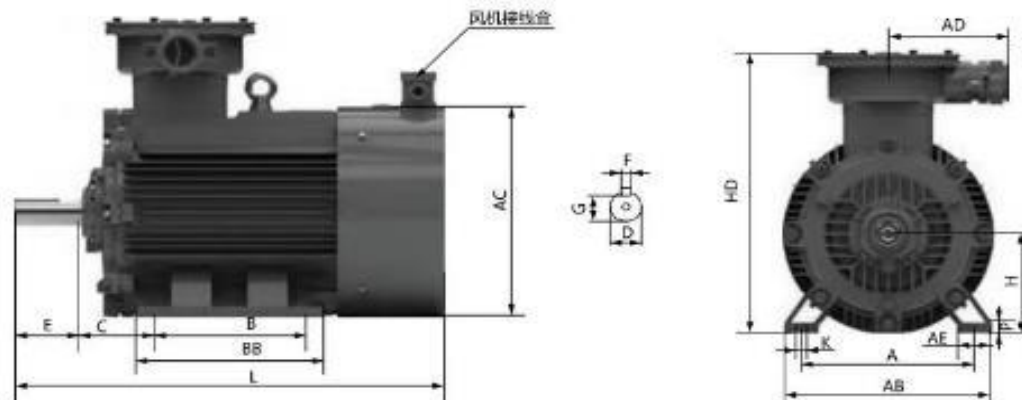
YBBP-80~132



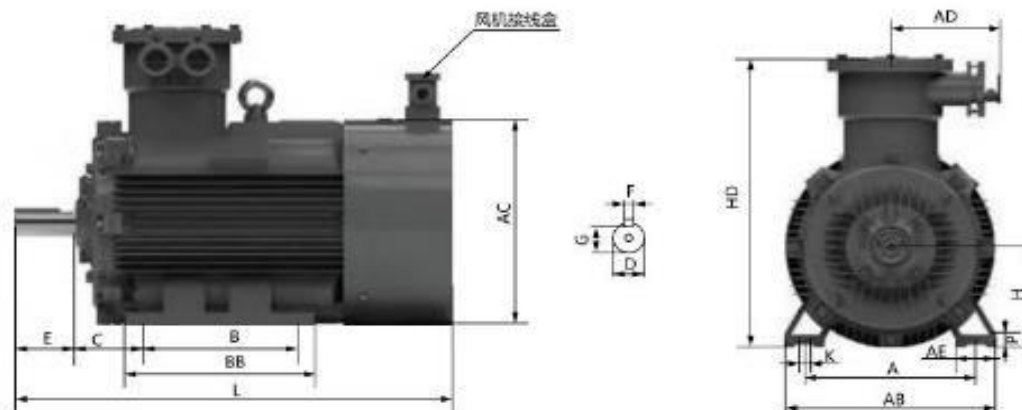
YBBP-160~200



YBBP-225~280



YBBP-315~355



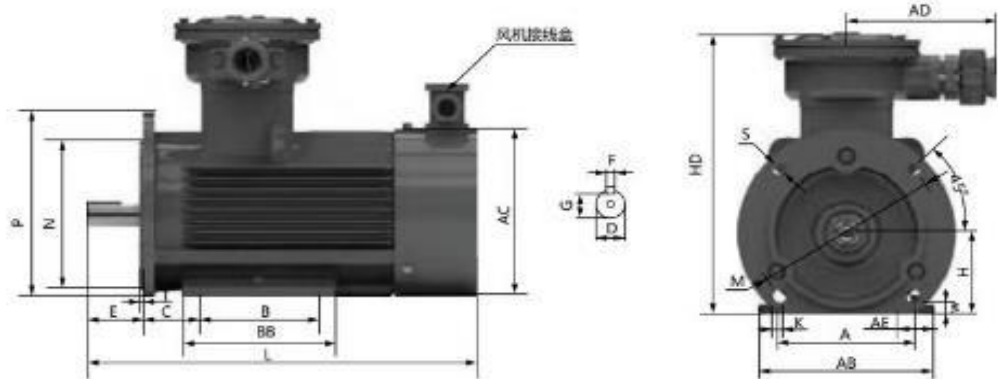
Dimensions Foot Mount B3

RAME SIZE	POLES	A	B	C	D	E	F	G	H	K	P	AB	BB	AC	AD	AE	HD	L
30M	2-8	125	100	50	19	40	6	15.5	80	10	10	160	130	167	178	34	305	520
90S	2-8	140	100	56	24	50	8	20	90	10	14	176	130	184	178	36	330	552
90L	2-8	140	125	56	24	50	8	20	90	10	14	176	155	184	178	36	330	577
100L	2-8	160	140	63	28	60	8	24	100	12	14	200	176	207	178	43	360	643
12M	2-8	190	140	70	28	60	8	24	112	12	16	240	180	221	193	50	390	675
132S	2-8	216	140	89	38	80	10	33	132	12	18	276	190	260	193	60	440	660
132M	2-8	216	178	89	38	80	10	33	132	12	18	276	230	260	193	60	440	700
160M	2-8	254	210	108	42	110	12	37	160	14.5	25	324	258	315	210	70	510	810
160L	2-8	254	254	108	42	110	12	37	160	14.5	25	324	302	315	210	70	510	840
180M	2-8	279	241	121	48	110	14	42.5	180	15	22	349	311	356	210	70	550	950
180L	2-8	279	279	121	48	110	14	42.5	180	15	22	349	349	356	210	70	550	970
200L	2-8	318	305	133	55	110	16	49	200	19	25	388	366	398	240	70	600	1010
225S	4、8	356	286	149	60	140	18	53	225	18.5	28	431	355	446	240	75	640	1060
225M	2	356	311	149	55	110	16	49	225	18.5	28	431	380	446	240	75	640	1060
225M	4-8	356	311	149	60	140	18	53	225	18.5	28	431	380	446	240	75	640	1090
250M	2	406	349	168	60	140	18	53	250	24	30	486	420	495	279	80	720	1150
250M	4-8	406	349	168	65	140	18	58	250	24	30	486	420	495	279	80	720	1150
280S	2	457	368	190	65	140	18	58	280	24	35	542	438	547	279	85	780	1290
280S	4-8	457	368	190	75	140	20	67.5	280	24	35	542	438	547	279	85	780	1290
280M	2	457	419	190	65	140	18	58	280	24	35	542	489	547	279	85	780	1350
280M	4-8	457	419	190	75	140	20	67.5	280	24	35	542	489	547	279	85	780	1350
315S	2	508	406	216	65	140	18	58	315	28	45	628	550	620	330	120	930	1410
315S	4-10	508	406	216	80	170	22	71	315	28	45	628	550	620	330	120	930	1440
315M	2	508	457	216	65	140	18	58	315	28	45	628	680	620	330	120	930	1530
315M	4-10	508	457	216	80	170	22	71	315	28	45	628	680	620	330	120	930	1560
315L	2	508	508	216	65	140	18	58	315	28	45	628	680	620	330	120	930	1530
315L	4-10	508	508	216	80	170	22	71	315	28	45	628	680	620	330	120	930	1560
355S	2	610	500	254	75	140	20	67.5	355	28	52	726	636	700	330	116	1070	1700
355S	4-10	610	500	254	95	170	25	86	355	28	52	726	636	700	330	116	1070	1730
355M	2	610	560	254	75	140	20	67.5	355	28	52	726	696	700	330	116	1070	1780
355M	4-10	610	560	254	95	170	25	86	355	28	52	726	696	700	330	116	1070	1810
355L	2	610	630	254	75	140	20	67.5	355	28	52	726	766	700	330	116	1070	1890
355L	4-10	610	630	254	95	170	25	86	355	28	52	726	766	700	330	116	1070	1920

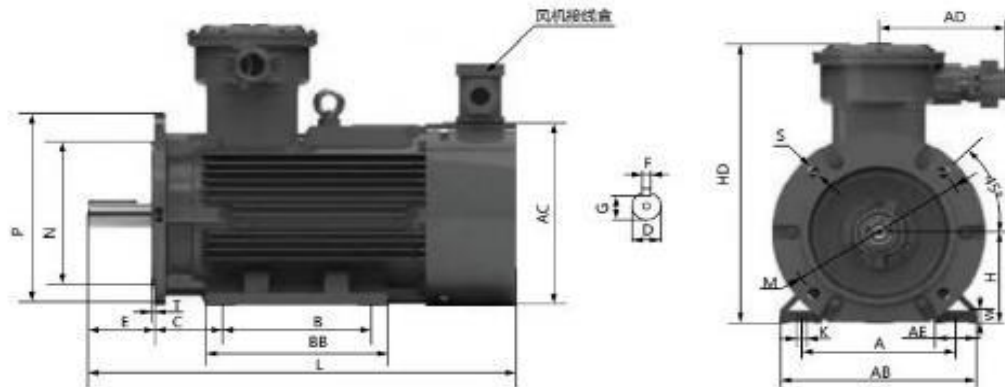
(此外形图用于 YBBP 防爆等级为 Exd II BT4Gb

• Dimensions Foot Mount B35

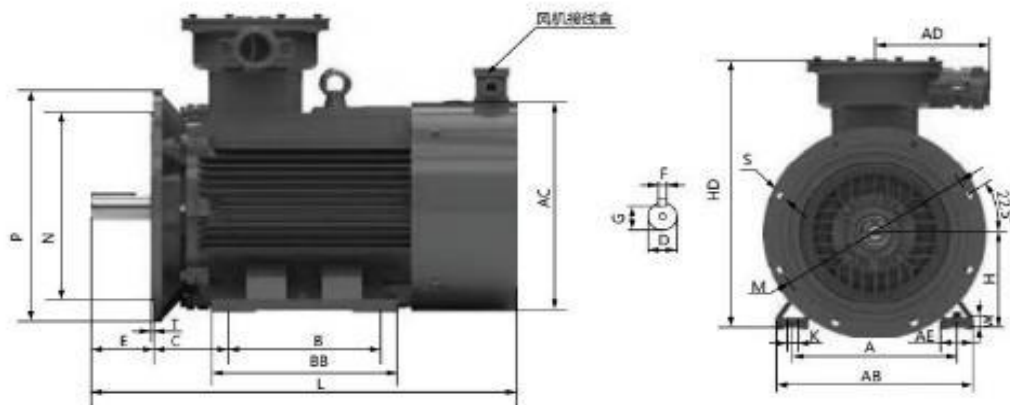
YBBP-80~132



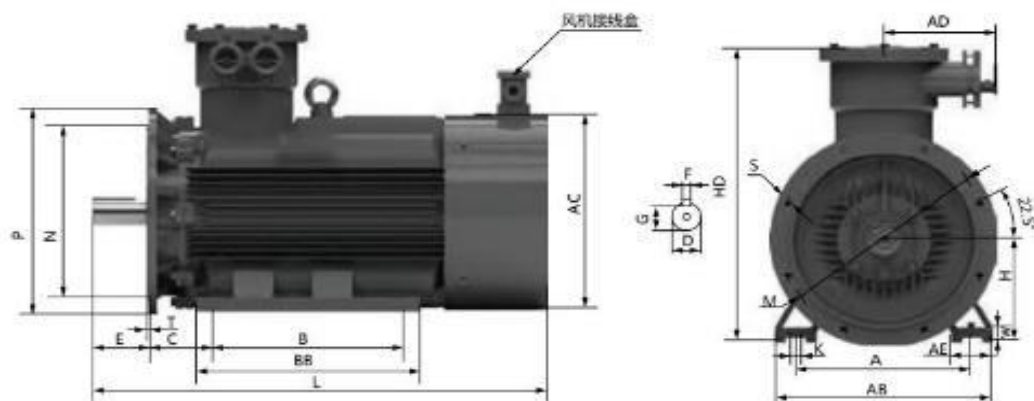
YBBP-160~200



YBBP-225~280



YBBP-315~355



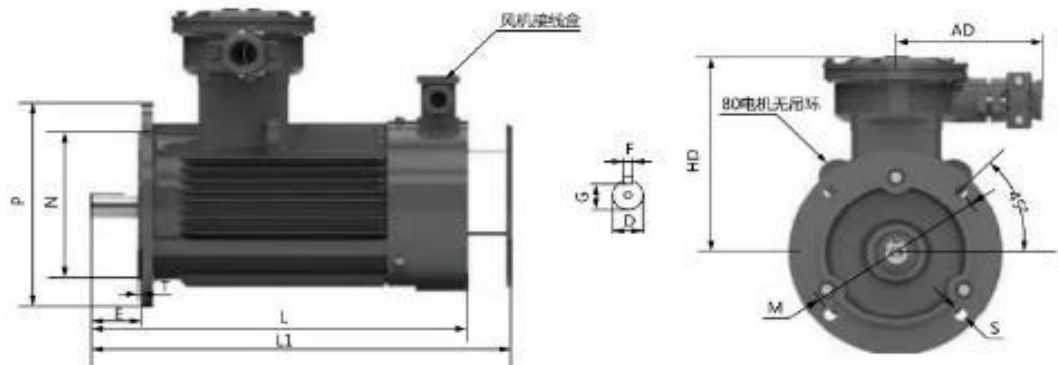
Dimensions Foot-Flange Mount B35

FRAME SIZE	POLES	A	B	C	D	E	F	G	H	K	M	N	S	T	P	W	AB	BB	AC	AD	AE	HD	L
80M	2-8	125	100	50	19	40	6	15.5	80	10	165	130	12	3.5	200	10	160	130	167	178	34	305	520
90S	2-8	140	100	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	130	184	178	36	330	552
90L	2-8	140	125	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	155	184	178	36	330	577
100L	2-8	160	140	63	28	60	8	24	100	12	215	180	15	4	250	14	200	176	207	178	43	360	643
112M	2-8	190	140	70	28	60	8	24	112	12	215	180	15	4	250	16	240	180	221	193	50	390	675
132S	2-8	216	140	89	38	80	10	33	132	12	265	230	15	4	300	18	276	190	260	193	60	440	660
132M	2-8	216	178	89	38	80	10	33	132	12	265	230	15	4	300	18	276	230	260	193	60	440	700
160M	2-8	254	210	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	258	315	210	70	510	810
160L	2-8	254	254	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	302	315	210	70	510	840
180M	2-8	279	241	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	311	356	210	70	550	950
180L	2-8	279	279	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	349	356	210	70	550	970
200L	2-8	318	305	133	55	110	16	49	200	19	350	300	19	5	400	25	388	366	398	240	70	600	1010
225S	4、8	356	286	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	355	446	240	75	640	1060
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	1060
225M	4-8	356	311	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	1090
250M	2	406	349	168	60	140	18	53	250	24	500	450	19	5	550	30	486	420	495	279	80	720	1150
250M	4-8	406	349	168	65	140	18	58	250	24	500	450	19	5	550	30	486	420	495	279	80	720	1150
280S	2	457	368	190	65	140	18	58	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1290
280S	4-8	457	368	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1290
280M	2	457	419	190	65	140	18	58	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1350
280M	4-8	457	419	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1350
315S	2	508	406	216	65	140	18	58	315	28	600	550	24	6	660	45	628	550	620	330	120	930	1410
315S	4-10	508	406	216	80	170	22	71	315	28	600	550	24	6	660	45	628	550	620	330	120	930	1440
315M	2	508	457	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1530
315M	4-10	508	457	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1560
315L	2	508	508	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1530
315L	4-10	508	508	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1560
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	636	700	330	116	1070	1700
355S	4-10	610	500	254	95	170	25	86	355	28	740	680	24	6	800	52	726	636	700	330	116	1070	1730
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	696	700	330	116	1070	1780
355M	4-10	610	560	254	95	170	25	86	355	28	740	680	24	6	800	52	726	696	700	330	116	1070	1810
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	766	700	330	116	1070	1890
355L	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	52	726	766	700	330	116	1070	1920

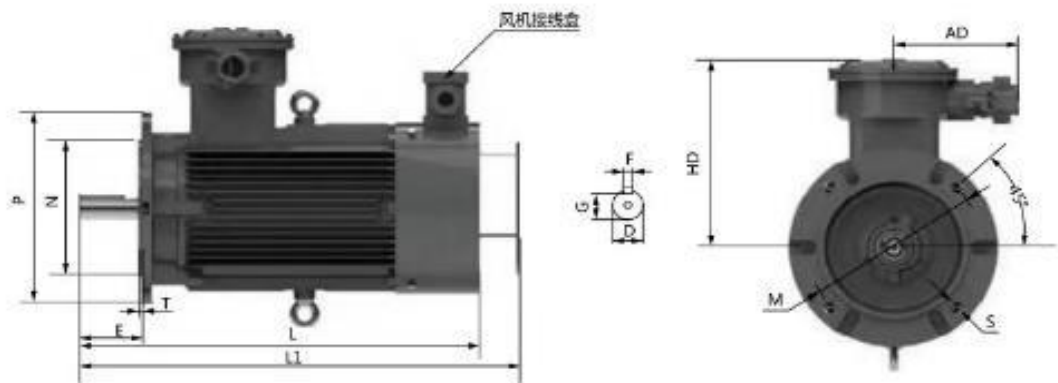
(此外形图用于 YBBP 防爆等级为 Exd II BT4Gb)

• Dimensions Foot Mount B5&V1

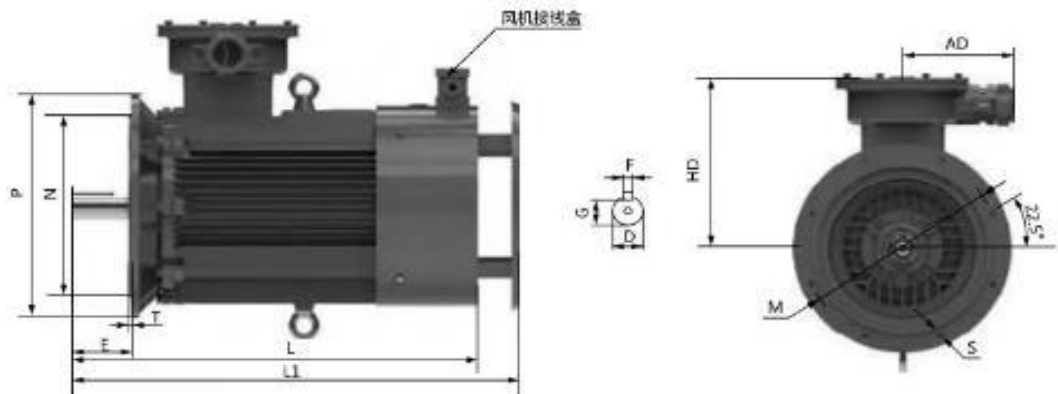
YBBP-80~132



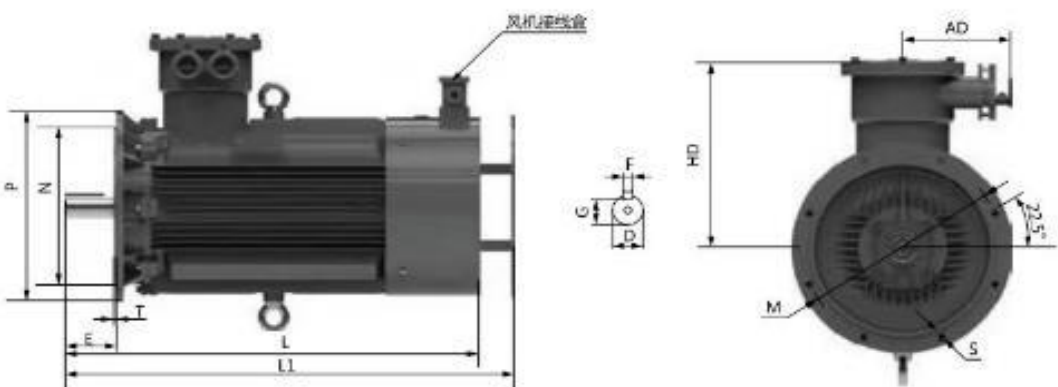
YBBP-160~200



YBBP-225~280



YBBP-315~355



Dimensions Flange Mount B5&V1

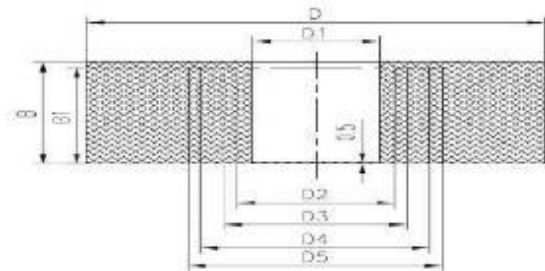
FRAME SIZE	POLES	D	E	F	G	M	N	S	T	P	AD	HD	L(B5)	L1V1
80M	2-8	19	40	6	15.5	165	130	12	3.5	200	178	225	520	620
90S	2-8	24	50	8	20	165	130	12	3.5	200	178	240	552	652
90L	2-8	24	50	8	20	165	130	12	3.5	200	178	240	577	677
100L	2-8	28	60	8	24	215	180	15	4	250	178	260	643	743
112M	2-8	28	60	8	24	215	180	15	4	250	193	278	675	775
132S	2-8	38	80	10	33	265	230	15	4	300	193	308	660	760
132M	2-8	38	80	10	33	265	230	15	4	300	193	308	700	800
160M	2-8	42	110	12	37	300	250	19	5	350	210	350	810	910
160L	2-8	42	110	12	37	300	250	19	5	350	210	350	840	940
180M	2-8	48	110	14	42.5	300	250	19	5	350	210	370	950	1050
180L	2-8	48	110	14	42.5	300	250	19	5	350	210	370	970	1070
200L	2-8	55	110	16	49	350	300	19	5	400	240	400	1010	1110
225S	4、 8	60	140	18	53	400	350	19	5	450	240	415	1060	1160
225M	2	55	110	16	49	400	350	19	5	450	240	415	1060	1160
225M	4-8	60	140	18	53	400	350	19	5	450	240	415	1090	1190
250M	2	60	140	18	53	500	450	19	5	550	279	470	1150	1250
250M	4-8	65	140	18	58	500	450	19	5	550	279	470	1150	1250
280S	2	65	140	18	58	500	450	19	5	550	279	500	1290	1390
280S	4-8	75	140	20	67.5	500	450	19	5	550	279	500	1290	1390
280M	2	65	140	18	58	500	450	19	5	550	279	500	1350	1450
280M	4-8	75	140	20	67.5	500	450	19	5	550	279	500	1350	1450
315S	2	65	140	18	58	600	550	24	6	660	330	615		1510
315S	4-10	80	170	22	71	600	550	24	6	660	330	615		1540
315M	2	65	140	18	58	600	550	24	6	660	330	615		1630
315M	4-10	80	170	22	71	600	550	24	6	660	330	615		1660
315L	2	65	140	18	58	600	550	24	6	660	330	615		1630
315L	4-10	80	170	22	71	600	550	24	6	660	330	615		1660
355S	2	75	140	20	67.5	740	680	24	6	800	330	715		1800
355S	4-10	95	170	25	86	740	680	24	6	800	330	715		1830
355M	2	75	140	20	67.5	740	680	24	6	800	330	715		1880
355M	4-10	95	170	25	86	740	680	24	6	800	330	715		1910
355L	2	75	140	20	67.5	740	680	24	6	800	330	715		1990
355L	4-10	95	170	25	86	740	680	24	6	800	330	715		2020

(此外形图用于 YBBP 防爆等级为 Exd II BT4Gb)

◆ Dimensions of steel pipe wiring

Dimensions of steel pipe wiring (Suitable for explosion-proof motors YB3, YBX3, YBBP)	
FRAME	Steel pipe wiring dimensions
80-132	M30X2
160-180	M36X2
200-225	M48X2
250-280	M64X2
315-355	2XM64X2

◆ Sealing ring size (applicable to explosion-proof motors YB3, YBX3, YBBP, YBK3)



◆ Sealing ring size (applicable to explosion-proof motors YB3, YBX3, YBBP, YBK3)

FRAME	SIZE							
	D1	D2	D3	D4	D5	D	B1	B
80-132	φ14	φ20	φ25			φ42	24	26
160-180	φ14	φ20	φ26	φ31	φ35	φ58	24	26
200-225	φ20	φ26	φ32	φ38	φ42	φ72	30	32

250-355	φ25	φ31	φ36	φ45	φ50	φ90	36	38
---------	-----	-----	-----	-----	-----	-----	----	----

Explanation: The motors with frame numbers 315 and 355 have two outlet ports

YBBP Bearing model

FRAME	poles	Shaft extension end	Non axial extension end
80	全部	6204-2Z	6204-2Z
90	全部	6205-2Z	6205-2Z
100	全部	6206-2Z	6206-2Z
112	全部	6206-2Z	6206-2Z
132	全部	6208-2Z	6208-2Z
160	2P	6209-2Z	6209-2Z
160	4~8P	6309-2Z	6209-2Z
180	2P	6211	6211
180	4~8P	6311	6211
200	2P	6212	6212
200	4~8P	6312	6212
225	2P	6312	6312
225	4~8P	6313	6312
250	2P	6313	6313
250	4~8P	6314	6313
280	2P	6314	6314
280	4~8P	6317	6314
315	2P	6316	6316
315	4~10P	6319	6319
355	2P	6319	6319
355	4~10P	6322	6322

Electrical equipment classification

1. class I Electrical equipment in coal mine. Explosive gas environment of class I is mainly alkane. The explosion-proof mark of class I explosion-proof motor produced by our company is Exd Mb.



2. class I Electrical equipment for explosive gas environment except coal mine. The characteristics of explosive gases of class I are further classified as I A, I B, I C. Examples of common combustible gases, vapors and temperature groups of class I are shown in the table.1. The highest surface temperature corresponding to different temperature groups is shown in the table. 2. The explosion-proof mark of class I explosion-proof motor produced by our company is Ex d I BT4Gb and Exd I CT4Gb.



3. Electrical equipment for combustible dust environment is mainly used in places and environments where combustible dust exists. The explosion-proof mark of dust explosion-proof motor produced by our company is:

Ex tD A21 IP65 T130°C, It is suitable for the combustible dust environment with temperature group t1-t4 in zone 21 or 22 of the factory.

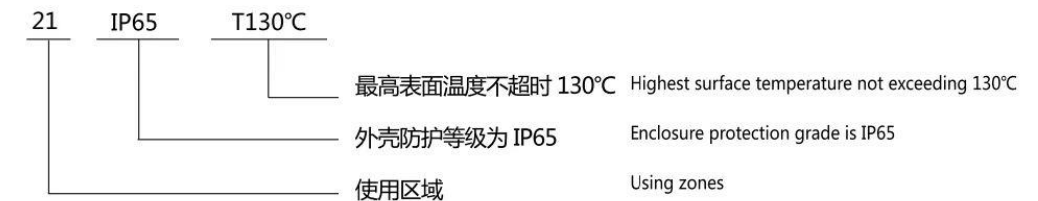
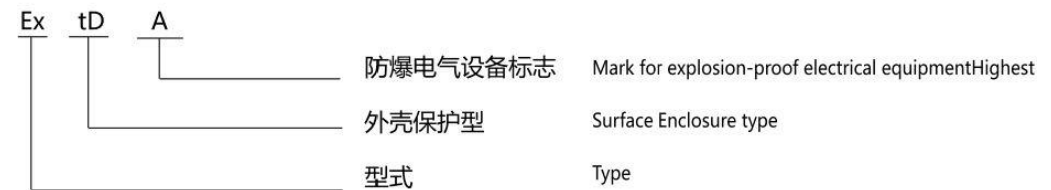


Table 1

CLASS	Temperature Groups			
	T1	T2	T3	T4
IIA	Methane CH ₄ , Ethane C ₂ H ₆ , Propane C ₃ H ₈ , Styrene C ₆ H ₅ CH=CH ₂ Toluene C ₆ H ₅ CH ₃ , Xylene C ₆ H ₄ (CH ₃), Carbon monoxide CO, AcetateCH ₃ COOH	Butane C ₄ H ₁₀ , Propane C ₃ H ₈ , Ethylbenzene C ₆ H ₅ C ₂ H ₅ , Methanol CH ₃ CH ₃ , Ethanol C ₂ H ₅ OH, Propanol C ₃ H ₇ OH, Butanol C ₄ H ₉ OH	Dioxane C ₅ H ₁₂ , Hexane C ₆ H ₁₄ , Heptane C ₇ H ₁₆ , Octane C ₈ H ₁₈ , Decan C ₁₀ H ₂₂ , Cyclodecane CH ₂ (CH ₂) ₄ CH ₂ Kerosene Petroleum, Diesel oil, Gasoline Gasoline	Acetaldehyde CH ₃ CHO
IIB	Propyne C ₃ H ₄ , Cyclopropane C ₃ H ₆ , Coke gas	Ethylene C ₂ H ₄ , 1.3-butadiene CH ₂ =CH-CH=CH ₂ Ethylene oxide CH ₂ CH ₂ O, 1.2-propylene oxide CH ₃ CHCH ₂ O	Dimethyl ether (CH ₃) ₂ O, Acrolein CH ₂ =CHCHO, Tetrahydrofuran CH ₂ (CH ₂) ₂ CH ₂ O, Hydrogen sulfide H ₂ S	Ethyl methyl ether CH ₃ OC ₂ H ₅ Diethyl ether (C ₂ H ₅) ₂ O, Tetrafluoroethylene C ₂ F ₄
IIC	Hydrogen H ₂	Acetylene C ₂ H ₂		

Table 2

Temperature Groups	T1	T2	T3	T4	T5	T6
The Highest Surface Temperature	450	300	200	135	100	85

Degrees of PROtection(IEC60034-5)

符 号 Designation	第一位数字 First numeral	第二位数字 Second numeral
	防止固体异物进入内部及防止人体触及内部的带电或运动部分。 Protection against contact and ingree of foreign bodies, p rotection against hazardous" live" parts and moving mechanical parts.	防护水 Protection against water
	5.虽不能完全防止灰尘进入,但进尘量不足以影响电机正常运行。能防止触及或接近壳内带电或转动部分。 Ingree of dust is not totally prevented, but dust shall not interfere with the satisfactory operation of equipment. A probe of 1mm diameter shall not penetrate the enclosure.	5.任何方向的喷水对电机应无有害的影响。 Water projected in jets against the enclosure from any direction will have no harmful effects.
	6.完全防止灰尘进入机壳。 No ingress of dust.	6.强力喷水时电机应无有害影响。 Water projected in p ower jets shall h ave no harmful effects.
IP55	防尘 Dust protected	防喷水 Jetting water
IP56	防尘 Dust protected	防强力喷水 Powerful Jetting
IP65	尘密 Dust tight	防喷水 Jetting water
IP66	尘密 Dust tight	防强力喷水 Powerful Jetting

Mouting Arrangments

Foot mig horiz	Flange mig	Foot/Flange mig	Foot mig vert
B3 IM1001 H80 ~ 355 	B5 IM3001 H80 ~ 280 	B35 IM2001 H80 ~ 355 	
B6 IM1051 H80 ~ 160 	V1 IM3011 H80 ~ 355 	V15 IM2011 H80 ~ 160 	V5 IM1011 H80 ~ 160
B7 IM1061 H80 ~ 160 	V3 IM3031 H80 ~ 160 	V36 IM2031 H80 ~ 160 	V6 IM1031 H80 ~ 160
B8 IM1071 H80 ~ 160 			

ConnectionDiagrams Threphasemotorsw ithcagerotor

Star Connection	Delta Connection	Star-Delta Connection

FUXING ELECTRIC MOTOR CO.LTD

ADD:Xiazhuang street.Rongcheng city.Shandong Province

Web:www.fuxingmotor.com

E—mail:sales@fuxingmotor.com

Tel:0086 15866285447

