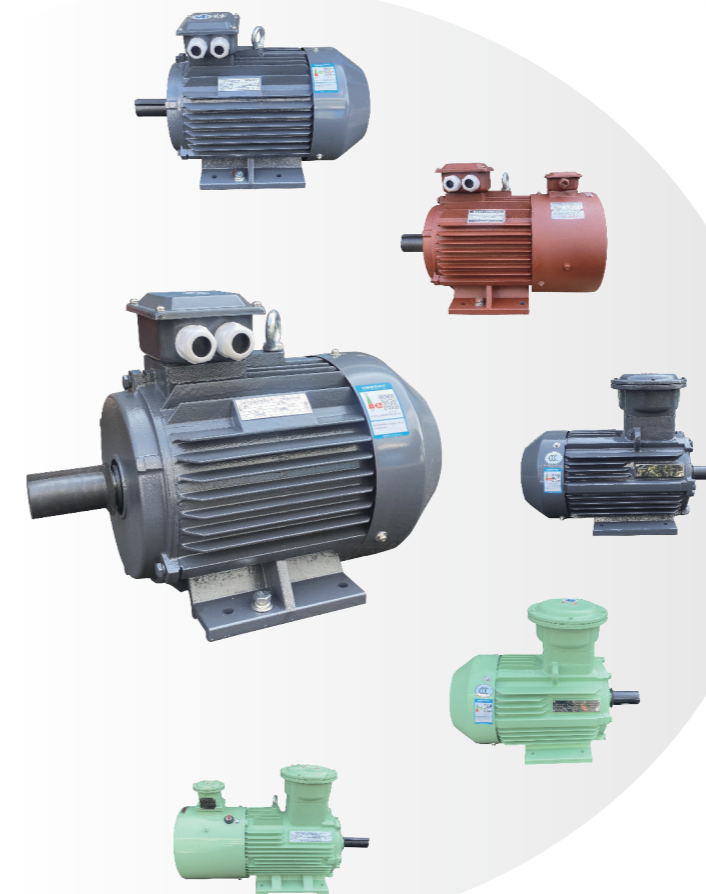




## THREE-PHASE ASYNCHRONOUS MOTOR

380V (50HZ)

FOCUS ON IMPROVEMENT  
PROFESSIONAL IN SERVICES



YIMAN 艺迈®

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We reserves the right to change the product design, individual parameters are subject to change without prior notice. Please understand.

VERSION:202411018

# COMPANY PROFILE

Shanghai Yimai Industrial Co., Ltd. is a high-tech enterprise integrating research and development, production, sales and service. Factory located in Shanghai Bay High-tech Industrial Zone.

We are committed to the development and manufacturing of special motor industry, the main motors are IE3, IE4 series of high-efficiency three-phase asynchronous motors; YPT3 series variable frequency speed regulating three-phase asynchronous motor; YBX3, YBX4 series high efficiency explosive proof three-phase asynchronous motor, YBBPX3 series explosive proof variable frequency speed regulation three-phase asynchronous motor and other products, the company has passed the ISO9001 quality management system certification, explosion-proof electrical equipment has passed the CCC product certification, explosion-proof motor certificate and many other national departments issued the certification certificate. The company has introduced advanced equipment and technology at home and abroad, and has gained good reputation in the same industry with scientific design, precision processing and rigorous testing.

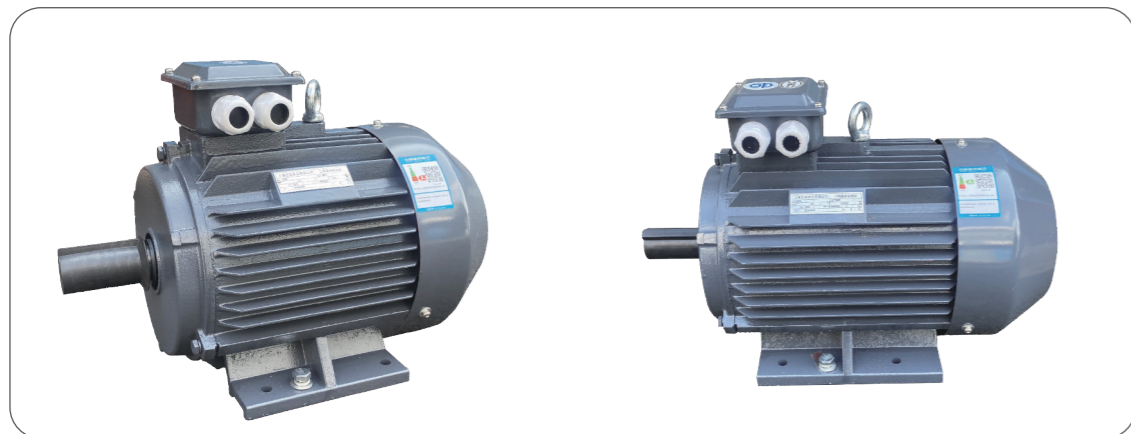
Adhering to the business philosophy of "focus on improvement, professional in service" and implementing the values of pragmatic work style and concept of integrity and responsibility, we provide high-quality products to establish win-win business relationship with all customers.



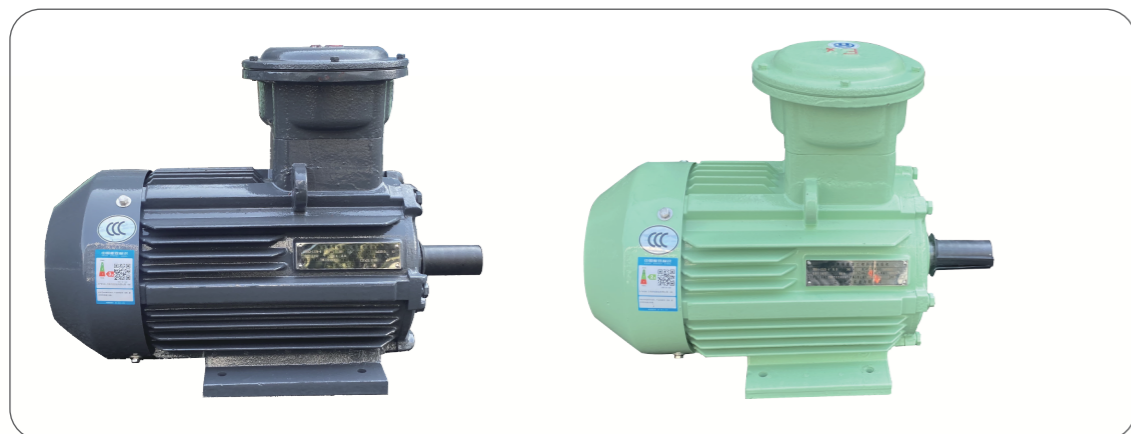
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YIMAI HIGH-EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR SERIES PRODUCTS



IE3、IE4 series high efficiency three-phase asynchronous motor



YBX3、YBX4 series high efficiency explosive proof three-phase asynchronous motor



YPT3 series variable frequency speed regulating three-phase asynchronous motor

YBBPX3 series high efficiency explosive proof variable frequency speed regulating three-phase asynchronous motor

IE3 SERIES HIGH EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR

Brief Introduction

IE3 series high efficiency three-phase asynchronous motors are the basic series of general purpose low-voltage three-phase asynchronous motors newly designed on the basis of Y series and Y2 series motors, as upgrading products. This series of motor efficiency indicators meet the requirements of level 3 efficiency in China standard regulation of GB18613-2020 "Motor Energy Efficiency Limit Value and energy efficiency grade"

IE3 series high efficiency three-phase asynchronous motors are fully enclosed, fan-cooled, squirrel-cage type. It has the advantages of novel design, compact structure, beautiful shape, high efficiency and torque, good starting torque performance, energy saving, low noise, small vibration, safe and reliable operation, etc.

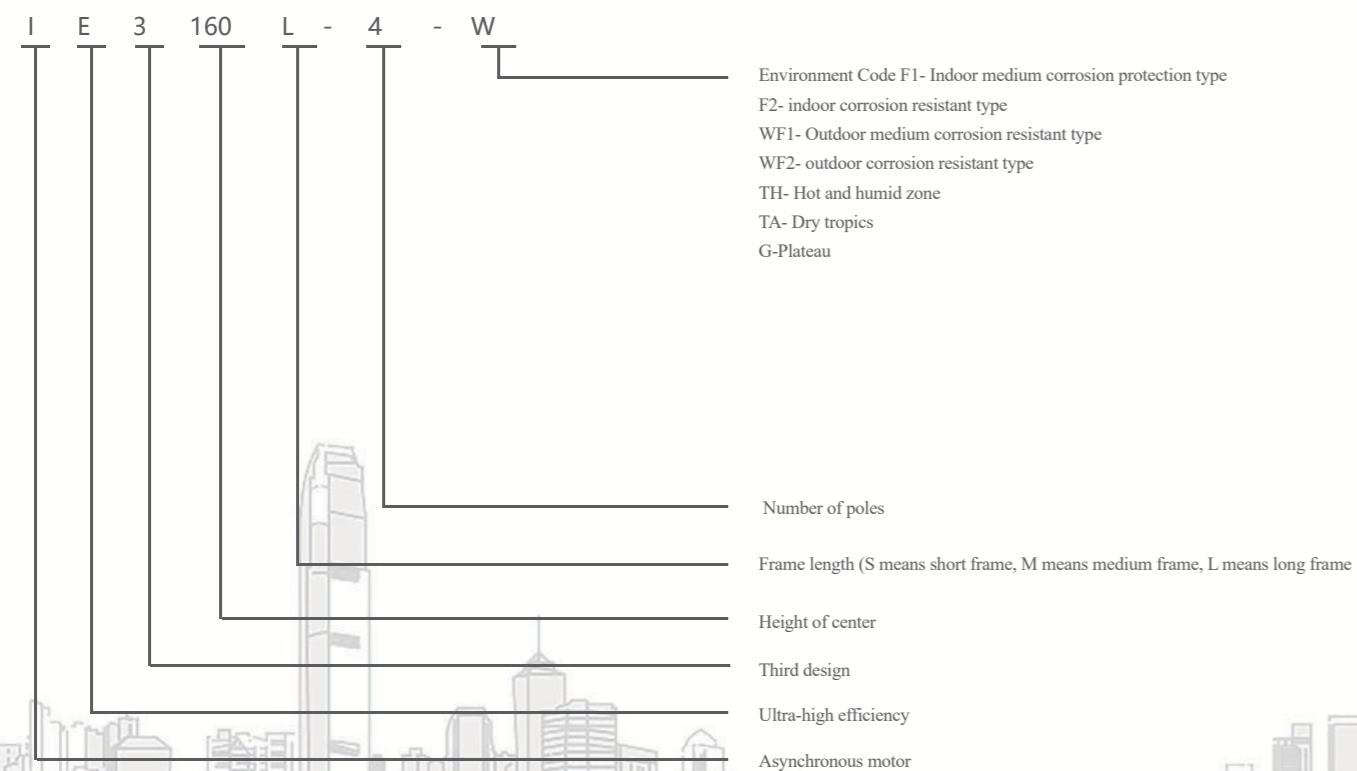
This series of stands ranges from 63 to 355, and the power rating and mounting size fully comply with the IEC standards. Rated voltage 380V, rated frequency 50Hz, protection class IP55, cooling mode IC411 fan cooling, F class insulation, altitude does not exceed 1000 meters, temperature -15°C~40°C environment continuous operation. Our company can also design and manufacture motors of various voltages, frequencies and installation modes according to user requirements.

Reference Standard

- GB 156-2007 Standard voltage
- GB 755 Rating and Performance of rotary motors (idt IEC 60034-1:1996)
- GB/T 755.2 Test method for determining loss and efficiency of rotating motors (other than traction motors) (IEC 60034-2:1992)
- GB/T 997 rotary motors - Classification of construction type, installation type and junction box position (IM code) (IEC 60034-7:2001)
- GB 1971 Rotary motor line end mark and direction of rotation (IEC 60034-8:2002)
- GB/T 1993 Rotating motor cooling method (IC code)
- GB/T 4772.1 Dimensions and output power classes of rotating motors - Part 1: Stand numbers 56 ~ 400 and flange numbers 55~1080 (IEC 60072-1:1991)
- GB/T 4942.1 Protection Class (IP code) classification for the overall structure of rotating motors (IEC 60034-5:2000)
- GB 10068 Mechanical vibration - Measurement, assessment and limits of vibration for motors with a shaft center height of 56 mm and above (idt IEC 60034-14:1996)
- GB 10069.3 Methods for determination of noise of rotating motors and limits - Part 3: Noise limits (IEC 60034-9:1988)
- GB/T 11021 - Heat resistance assessment and classification of electrical insulation
- GB 18613-2020 Energy efficiency limits and energy efficiency grades for small and medium-sized three-phase asynchronous motors

Product characteristics

- » The main junction box of the motor is located at the top of the frame, which can be wired left and right to meet the requirements of different wiring modes of users;
- » Stator temperature measuring device, bearing temperature measuring device, heater, non-stop oil injection and discharge device can be provided according to user needs for motor base above 160. Base size 225 and above motor, according to user needs to provide foot adjustment bolt hole;
- » The junction box, frame, end cover and wind hood are beautiful in appearance and novel in style, and are conducive to noise reduction and ventilation;
- » The motor adopts a thermal classification of 155(F) class insulation system to extend the service life of the motor;
- » The working system of the motor is S1, the cooling mode is IC411, and the protection grade of the shell is IP55;
- » Suitable for various applications, such as: "W", "TH", "WTH", "TA", "F1", "F2", "WF1" and "WF2", where: W is outdoor type; TH for indoor humid heat; WTH is outdoor humid heat; TA for outdoor dry tropical environment; F1 for indoor anti-corrosion medium; F2 is indoor corrosion prevention; WF1 for outdoor moderate corrosion protection; WF2 is outdoor anti-corrosion;
- » In order to facilitate the connection of the load, a C-shaped center hole is reserved on the end face of the motor shaft;
- » Excellent starting characteristics;
- » The high quality of the motor ensures high operational reliability;
- » High efficiency, energy saving, safety and environmental protection.



Working conditions

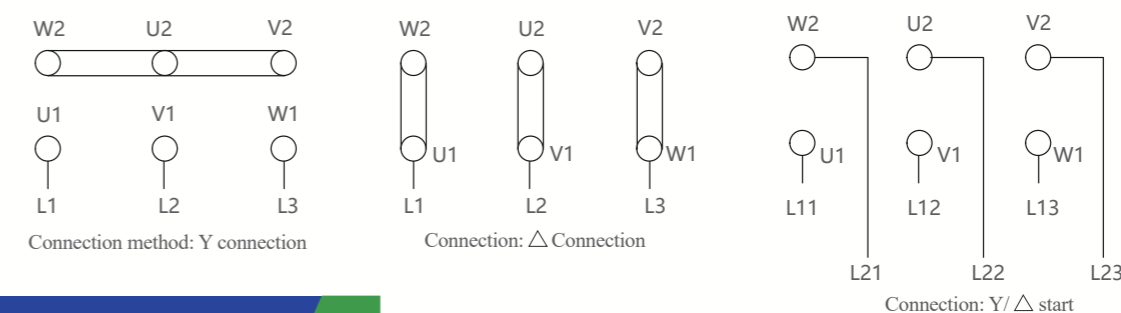
- » Temperature: The ambient air temperature varies with the season, but the highest is +40°C, and the lowest ambient air temperature is -15°C;
- » Altitude: not more than 1000m;  
Note: When the ambient air temperature and altitude are different from the above provisions, the provisions of GB 755 shall be followed.
- » Humidity: The average maximum relative humidity of the wettest month is 90%, and the average minimum temperature of the month is not higher than 25 ° C (factory);
- » Rated frequency: 50Hz;
- » Work schedule :S1
- » Rated voltage: 380V, 660V, 380/660V.  
Note: If you have special requirements for frequency, voltage, ambient air temperature, altitude, etc., please put forward when ordering.

Mounting structure type

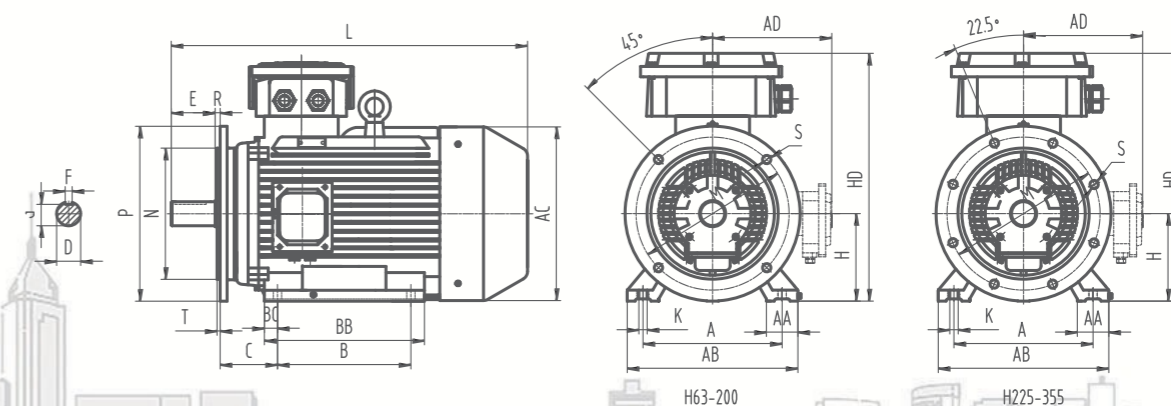
Schematic drawing												
Installation type	IMB3	IMB5	IMB35	IMV1	IMV3	IMV5	IMV6	IMB6	IMB7	IMB8	IMV15	IMV36
Base number	H63-355	H63-355	H80-355	H63-355	H63-160						H80-160	

Wiring method

660V motor is Y connection, 380V motor is  $\Delta$  connection, connection indication diagram (see figure)



Installation and dimensions



IE3 series high efficiency three-phase asynchronous motor installation and dimensions

Frame Size	Number of poles	Mounting size (mm)																Overall dimensions (mm)										
		H	A	B	C	D	E	F	G	GD	K	M	N	P	R	S	T	AB	AC	AA	BB	B1	HA	HD	LA	L		
80M	2, 4	80	125	100	50	19	40	6	15.5	6	10	165	130	200	0	12	3.5	162	165	37	145	15	10	250	12	305		
90S	2, 4, 6, 8	90	140	100	56	24	50	8	20	7	10	165	130	200	0	12	3.5	176	180	37	180	15	10	260	12	365		
90L	2, 4, 6, 8	90	140	125	56	24	50	8	20	7	10	165	130	200	0	12	3.5	180	180	37	210	15	10	260	12	380		
100L	2, 4, 6, 8	100	160	140	63	28	60	8	24	7	12	215	180	250	0	14.5	4	200	205	40	235	15	14	280	14	445		
112M	2, 4, 6, 8	112	190	140	70	28	60	8	24	7	12	215	180	250	0	14.5	4	230	220	45	250	20	15	310	14	400		
132S	2, 4, 6, 8	132	216	140	89	38	80	10	33	8	12	265	230	300	0	14.5	4	260	255	55	190	30	16	330	14	465		
132M	2, 4, 6, 8	132	216	178	89	38	80	10	33	8	12	265	230	300	0	14.5	4	260	285	55	230	30	16	330	14	505		
160M	2, 4, 6, 8	160	254	210	108	42	110	12	37	8	15	300	250	350	0	18.5	5	315	330	65	260	23	20	420	15	630		
160L	2, 4, 6, 8	160	254	254	108	42	110	12	37	8	15	300	250	350	0	18.5	5	315	315	65	305	23	20	420	15	655		
180M	2, 4, 6, 8	180	279	241	121	48	110	14	42.5	9	15	300	250	350	0	18.5	5	350	355	70	310	34	22	450	17	680		
180L	2, 4, 6, 8	180	279	279	121	48	110	14	42.5	9	15	300	250	350	0	18.5	5	350	355	70	350	34	22	450	17	760		
200L	2, 4, 6, 8	200	318	305	133	55	110	16	49	10	19	350	300	400	0	18.5	5	390	395	70	370	28	25	510	20	800		
225S	4, 8	225	356	286	149	60	140	18	53	11	19	400	350	450	0	18.5	5	435	445	75	370	43	28	550	20	815		
225M	2	225	356	311	149	55	110	16	49	10	19	400	350	450	0	18.5	5	435	445	75	395	43	28	550	20	840		
225M	4, 6, 8	225	356	311	149	60	140	18	53	11	19	400	350	450	0	18.5	5	435	470	75	395	43	28	550	20	840		
250M	2	250	406	349	168	60	140	18	53	11	24	500	450	550	0	18.5	5	490	495	80	455	57	30	680	22	880		
250M	4, 6, 8	250	406	349	168	65	140	18	58	11	24	500	450	550	0	18.5	5	490	495	80	455	57	30	680	22	910		
280S	2	280	457	368	190	65	140	18	58	11	24	500	450	550	0	18.5	5	550	580	85	490	70	35	720	22	940		
280S	4, 6, 8	280	457	368	190	75	140	20	67.5	12	24	500	450	550	0	18.5	5	545	545	85	490	70	35	720	22	1010		
280M	2	280	457	419	190	65	140	18	58	11	24	500	450	550	0	18.5	5	545	545	85	540	70	35	720	22	970		
280M	4, 6, 8	280	457	419	190	75	140	20	67.5	12	24	500	450	550	0	18.5	5	550	580	85	540	70	35	720	22	1040		
315S	2	315	508	406	216	65	140	18	58	11	28	600	550	660	0	24	6	635	645	120	570	67	45	870	22	1210		
315S	4, 6, 8	315	508	406	216	80	170	22	71	14	28	600	550	660	0	24	6	635	645	120	570	67	45	870	22	1240		
315M	2	315	508	457	216	65	140	18	58	11	28	600	550	660	0	24	6	635	620	120	680	84	45	870	22	1320		
315M	4, 6, 8	315	508	457	216	80	170	22	71	14	28	600	550	660	0	24	6	635	620	120	680	84	45	870	22	1350		
315L	2	315	508	508	216	65	140	18	58	11	28	600	550	660	0	24	6	635	645	120	680	84	45	870	22	1320		
315L	4, 6, 8	315	508	508	216	80	170	22	71	14	28	600	550	660	0	24	6	635	645	120	680	84	45	870	22	1350		
355M	2	355	610	560	254	75	140	20	67.5	12	28	740	680	800	0	24	6	730	700	120	750	66	52	980	25	1500		
355M	4, 6, 8	355	610	560	254	95	170	25	86	14	28	740	680	800	0	24	6	730	700	120	750	66	52	980	25	1530		
355L	2	355	610	630	254	75	140	20	67.5	12	28	740	680	800	0	24	6	730	710	120	750	66	52	980	25	1530		
355L	4, 6, 8	355	610	630	254	95	170	25	86	14	28	740	680	86	0	24	6	730	710	120	750	66	52	980	25	1530		
4001	2	400	686	560	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860	120	750	66	52	980	25	1530		
4001	4, 6, 8	400	686	560	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860					1250		1950		
4002	2	400	686	630	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860					1250		1950		
4002	4, 6, 8	400	686	630	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860					1250		1950		
4003	2	400	686	710	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860					1250		1950		
4003	4, 6, 8	400	686	710	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860					1250		1950		

IE3 series high efficiency three phase asynchronous motor pole data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSφ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
IE3-80M1-2	0.75	1	1.72	2840	80.7	0.82	2.3	2.3	7.0	62	1.6	17
IE3-80M2-2	1.1	1.5	2.43	2840	82.7	0.83	2.3	2.2	7.6	62	1.6	20
IE3-90S-2	1.5	2	3.22	2840	84.2	0.84	2.3	2.2	7.9	67	1.6	23
IE3-90L-2	2.2	3	4.58	2840	85.9	0.85	2.3	2.2	7.9	67	1.6	28
IE3-100L-2	3	4	6.02	2860	87.1	0.87	2.3	2.2	8.5	74	1.6	36
IE3-112M-2	4	5.5	7.84	2880	88.1	0.88	2.3	2.2	8.5	77	1.6	44
IE3-132S1-2	5.5	7.5	10.6	2900	89.2	0.88	2.3	2.0	8.5	79	1.6	63
IE3-132S2-2	7.5	10	14.4	2900	90.1	0.88	2.3	2.0	8.5	79	1.6	70
IE3-160M1-2	11	15	20.6	2930	91.2	0.89	2.3	2.0	8.5	81	2.2	112
IE3-160M2-2	15	20	27.9	2930	91.9	0.89	2.3	2.0	8.5	81	2.2	122
IE3-160L-2	18.5	25	34.2	2930	92.4	0.89	2.3	2.0	8.5	81	2.2	156
IE3-180M-2	22	30	40.5	2940	92.7	0.89	2.3	2.0	8.5	83	2.2	181
IE3-200L1-2	30	40	54.9	2950	93.3	0.89	2.3	2.0	8.5	84	2.2	246
IE3-200L2-2	37	50	67.4	2950	93.7	0.89	2.3	2.0	8.5	84	2.2	265
IE3-225M-2	45	60	80.8	2960	94.0	0.90	2.3	2.0	8.0	86	2.2	325
IE3-250M-2	55	75	98.5	2965	94.3	0.90	2.3	2.0	8.0	89	2.2	421
IE3-280S-2	75	100	134	2970	94.7	0.90	2.3	1.8	7.5	91	2.2	598
IE3-280M-2	90	125	160	2970	95.0	0.90	2.3	1.8	7.5	91	2.2	621
IE3-315S-2	110	150	195	2975	95.4	0.90	2.3	1.8	7.5	92	2.8	950
IE3-315M-2	132	175	234	2975	95.6	0.90	2.3	1.8	7.5	92	2.8	1065
IE3-315L1-2	160	220	279	2975	95.6	0.91	2.3	1.8	7.5	92	2.8	1210
IE3-315L2-2	185	250	323	2975	95.8	0.91	2.3	1.8	7.5	92	2.8	1300
IE3-315L2-2	200	270	349	2975	95.8	0.91	2.2	1.8	7.5	92	2.8	1380
IE3-355M1-2	220	300	383	2980	95.8	0.91	2.2	1.6	7.5	100	2.8	1700
IE3-355M-2	250	350	436	2980	95.8	0.91	2.2	1.6	7.5	100	2.8	1865
IE3-355L1-2	280	380	488	2980	95.8	0.91	2.2	1.6	7.5	100	2.8	1990
IE3-355L2-2	315	420	549	2980	95.8	0.91	2.2	1.6	7.5	100	2.8	2120
IE3-80M1-4	0.55	0.75	1.38	1390	81.0	0.75	2.3	2.4	6.6	56	1.6	17
IE3-80M2-4	0.75	1	1.84	1390	82.5	0.75	2.3	2.3	6.6	56	1.6	18
IE3-90S-4	1.1	1.5	2.61	1390	84.1	0.76	2.3	2.3	6.8	59	1.6	23

IE3 series high efficiency three phase asynchronous motor pole data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
IE3-90L-4	1.5	2	3.47	1390	85.3	0.77	2.3	2.3	7.0	59	1.6	26
IE3-100L1-4	2.2	3	4.76	1410	86.7	0.81	2.3	2.3	7.6	64	1.6	36
IE3-100L2-4	3	4	6.34	1410	87.7	0.82	2.3	2.3	7.6	64	1.6	40
IE3-112M-4	4	5.5	8.37	1435	88.6	0.82	2.3	2.2	7.8	65	1.6	50
IE3-132S-4	5.5	7.5	11.2	1440	89.6	0.83	2.3	2.0	7.9	71	1.6	65
IE3-132M-4	7.5	10	15	1440	90.4	0.84	2.3	2.0	7.5	71	1.6	72
IE3-160M-4	11	15	21.5	1460	91.4	0.85	2.3	2.2	7.7	73	2.2	120
IE3-160L-4	15	20	28.8	1460	92.1	0.86	2.3	2.2	7.8	73	2.2	140
IE3-180M-4	18.5	25	35.3	1470	92.6	0.86	2.3	2.0	7.8	76	2.2	180
IE3-180L-4	22	30	41.8	1470	93.0	0.86	2.3	2.0	7.8	76	2.2	201
IE3-200L-4	30	40	56.6	1470	93.6	0.86	2.3	2.0	7.3	76	2.2	255
IE3-225S-4	37	50	69.6	1475	93.9	0.86	2.3	2.0	7.4	78	2.2	311
IE3-225M-4	45	60	84.4	1475	94.2	0.86	2.3	2.0	7.4	78	2.2	340
IE3-250M-4	55	75	103	1480	94.6	0.86	2.3	2.2	7.4	79	2.2	445
IE3-280S-4	75	100	136	1480	95.0	0.88	2.3	2.0	6.9	80	2.2	581
IE3-280M-4	90	125	163	1480	95.2	0.88	2.3	2.0	6.9	80	2.2	765
IE3-315S-4	110	150	197	1480	95.4	0.89	2.2	2.0	7.0	88	2.8	950
IE3-315M-4	132	175	236	1480	95.6	0.89	2.2	2.0	7.0	88	2.8	1180
IE3-315L1-4	160	220	285	1480	95.8	0.89	2.2	2.0	7.1	88	2.8	1165
IE3-315L-4	185	250	330	1480	95.8	0.89	2.2	2.0	7.1	88	2.8	1290
IE3-315L2-4	200	270	352	1480	96.0	0.90	2.2	2.0	7.1	88	2.8	1510
IE3-355M1-4	220	300	387	1490	96.0	0.90	2.2	2.0	7.1	95	2.8	1760
IE3-355M-4	250	350	440	1490	96.0	0.90	2.2	2.0	7.1	95	2.8	1840
IE3-355L1-4	280	380	492	1490	96.0	0.90	2.2	2.0	7.1	95	2.8	1990
IE3-355L-4	315	425	554	1490	96.0	0.90	2.2	2.0	7.1	95	2.8	2070
IE3-90S-6	0.75	1	2.03	910	78.9	0.71	2.1	2.0	6.0	57	1.6	23
IE3-90L-6	1.1	1.5	2.83	910	81.0	0.73	2.1	2.0	6.0	57	1.6	30
IE3-100L-6	1.5	2	3.78	920	82.5	0.73	2.1	2.0	6.5	61	1.6	35
IE3-112M-6	2.2	3	5.36	935	84.3	0.74	2.1	2.0	6.6	65	1.6	46
IE3-132S-6	3	4	7.2	960	85.6	0.74	2.1	2.0	6.8	69	1.6	61

IE3 series high efficiency three phase asynchronous motor pole data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
IE3-132M1-6	4	5.5	9.46	960	86.8	0.74	2.1	2.0	6.8	69	1.6	76
IE3-132M2-6	5.5	7.5	12.7	960	88	0.75	2.1	2.0	7.0	69	1.6	85
IE3-160M-6	7.5	10	16.2	970	89.1	0.79	2.1	2.0	7.0	73	2.2	112
IE3-160L-6	11	15	23.1	970	90.3	0.80	2.1	2.0	7.2	73	2.2	140
IE3-180L-6	15	20	30.9	970	91.2	0.81	2.1	2.0	7.3	73	2.2	195
IE3-200L1-6	18.5	25	37.8	980	91.7	0.81	2.1	2.0	7.3	73	2.2	245
IE3-200L2-6	22	30	44.8	980	92.2	0.81	2.1	2.0	7.4	73	2.2	255
IE3-225M-6	30	40	59.1	980	92.9	0.83	2.1	2.0	6.9	74	2.2	330
IE3-250M-6	37	50	71.7	980	93.3	0.84	2.1	2.0	7.1	76	2.2	400
IE3-280S-6	45	60	85.8	980	93.7	0.85	2.0	2.0	7.3	78	2.2	510
IE3-280M-6	55	75	103	980	94.1	0.86	2.0	2.0	7.3	78	2.2	585
IE3-315S-6	75	100	143	985	94.6	0.84	2.0	2.0	6.6	83	2.8	950
IE3-315M-6	90	125	170	985	94.9	0.85	2.0	2.0	6.7	83	2.8	1015
IE3-315L1-6	110	150	207	985	95.1	0.85	2.0	2.0	6.7	83	2.8	1065
IE3-315L2-6	132	175	244	985	95.4	0.86	2.0	2.0	6.8	83	2.8	1180
IE3-355M1-6	160	220	296	990	95.6	0.86	2.0	1.8	6.8	85	2.8	1755
IE3-355M-6	185	250	342	990	95.6	0.86	2.0	1.8	6.8	85	2.8	1900
IE3-355M2-6	200	270	365	990	95.8	0.87	2.0	1.8	6.8	85	2.8	1940
IE3-355L1-6	220	300	401	990	95.8	0.87	2.0	1.8	6.8	85	2.8	1965
IE3-355L-6	250	350	456	990	95.8	0.87	2.0	1.8	6.8	85	2.8	2070
IE3-90S-8	0.37	0.5	1.33	670	69.3	0.61	1.9	1.8	6.2	66	1.6	21
IE3-90L-8	0.55	0.75	1.88	670	73	0.61	2.0	1.8	5.9	56	1.6	24
IE3-100L1-8	0.75	1	2.27	680	75	0.67	2.0	1.8	6.2	59	1.6	33
IE3-100L2-8	1.1	1.5	3.12	680	77.7	0.69	2.0	1.8	6.2	59	1.6	35
IE3-112M-8	1.5	2	4.09	690	79.7	0.70	2.0	1.8	6.7	61	1.6	50
IE3-132S-8	2.2	3	5.75	705	81.9	0.71	2.0	1.8	6.7	64	1.6	60
IE3-132M-8	3	4	7.48	705	83.5	0.73	2.0	1.8	6.9	64	1.6	69
IE3-160M1-8	4	5.5	9.82	720	84.8	0.73	2.0	1.9	6.9	68	2.2	95
IE3-160M2-8	5.5	7.5	13.1	720	86.2	0.74	2.0	1.9	6.9	68	2.2	105
IE3-160L-8	7.5	10	17.4	720	87.3	0.75	2.0	1.9	6.6	68	2.2	122

### IE3 series high efficiency three phase asynchronous motor pole data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSφ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
IE3-180L-8	11	15	25.2	730	88.6	0.75	2.0	2.0	6.6	70	2.2	176
IE3-200L-8	15	20	33.5	730	89.6	0.76	2.0	2.0	6.8	73	2.2	218
IE3-225S-8	18.5	25	41	730	90.1	0.76	2.0	1.9	6.8	73	2.2	245
IE3-225M-8	22	30	47.3	730	90.6	0.78	2.0	1.9	7.0	73	2.2	350
IE3-250M-8	30	40	63.2	735	91.3	0.79	2.0	1.9	8.7	75	2.2	400
IE3-280S-8	37	50	77.5	735	91.8	0.79	2.0	1.9	6.7	76	2.2	462
IE3-280M-8	45	60	93.9	735	92.2	0.79	2.0	1.9	6.7	76	2.2	505
IE3-315S-8	55	75	112	735	92.5	0.81	2.0	1.8	6.8	82	2.8	805
IE3-315M-8	75	100	151	735	93.1	0.81	2.0	1.8	6.3	82	2.8	925
IE3-315L1-8	90	125	179	735	93.4	0.82	2.0	1.8	6.4	82	2.8	1025
IE3-315L2-8	110	150	218	735	93.7	0.82	2.0	1.8	6.4	82	2.8	1200
IE3-355M1-8	132	175	260	740	94.0	0.82	2.0	1.8	6.4	89	2.8	1545
IE3-355M2-8	160	220	314	740	94.3	0.82	2.0	1.8	6.4	89	2.8	1630
IE3-355L1-8	185	250	364	740	94.3	0.82	2.0	1.8	6.4	89	2.8	1690
IE3-355L-8	200	270	387	740	94.6	0.83	2.0	1.8	6.4	89	2.8	1725
IE3-355L3-8	220	300	426	740	94.6	0.83	2.0	1.8	6.4	89	2.8	1850
IE3-355L4-8	250	350	484	740	94.6	0.83	2.0	1.8	6.4	89	2.8	1980
IE3-4001-2	500	680	881	2985	95.8	0.9	2.2	1.5	7.2	100	2.8	3120
IE3-4002-2	560	760	976	2985	95.8	0.91	2.2	1.5	7.2	100	2.8	3500
IE3-4003-2	630	860	1098	2985	95.8	0.91	2.2	1.5	7.2	100	2.8	3990
IE3-4001-4	500	680	899	1490	96	0.88	2.2	1.7	7.0	96	2.8	3130
IE3-4002-4	560	760	995	1490	96	0.89	2.2	1.7	7.0	96	2.8	3450
IE3-4003-4	630	860	1120	1490	96	0.89	2.2	1.7	7.0	96	2.8	3590
IE3-4001-6	400	540	764	990	95.8	0.83	2.0	1.7	6.8	94	2.8	3560
IE3-4002-6	450	610	859	990	95.8	0.83	2.0	1.7	6.8	94	2.8	3850
IE3-4003-6	500	680	955	990	95.8	0.83	2.0	1.7	6.8	94	2.8	3870
IE3-4001-8	355	480	712	745	94.6	0.8	2.0	1.6	7.0	96	2.8	3590
IE3-4002-8	400	540	803	745	94.6	0.8	2.0	1.6	7.0	96	2.8	3590

### IE4 SERIES HIGH EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR

#### Working conditions

IE4 series high-efficiency energy-saving motor is a new ultra-efficient low-voltage three-phase asynchronous motor designed to meet the national requirements for energy saving and consumption reduction in the manufacturing industry. The efficiency index of this series of motors meets the requirements of level 2 efficiency in G818613-2020 "Motor .

Energy Efficiency Limit Value and energy efficiency grade". The efficiency specifications are consistent with the recommendation table (IE4) in Appendix A of IEC60034-31.

IE4 series high efficiency three-phase asynchronous motors are fully enclosed, fan-cooled, squirrel-cage type. It has the advantages of novel design, compact structure, beautiful shape, high efficiency and torque, good starting torque performance, energy saving, low noise, small vibration, safe and reliable operation, etc.

This series of frame range 63 ~ 355, power class and mounting size GB/T4772.1/IEC 60072-1 and GB/T4772.2/IEC 60072-2 standard. Rated voltage 380V, rated frequency 50Hz, protection grade IP55, cooling method 1C411 fan self-cooling, F class insulation. The altitude is not more than 1000 meters, and the temperature is -15°C~40°C. We also design and manufacture motors of various voltages, frequencies and installation modes according to user requirements.

#### Product characteristics

- » The main junction box of the motor is located at the top of the frame, which can be wired left and right to meet the requirements of different wiring modes of users;
- » Stator temperature measuring device, bearing temperature measuring device, heater, non-stop oil injection and discharge device can be provided for base over 160 according to user needs.
- » Base size 225 and above motor, according to user needs to provide foot adjustment bolt hole;
- » The junction box, frame, end cover and wind hood are beautiful in appearance and novel in style, and are conducive to noise reduction and ventilation.
- » The motor adopts a thermal classification of 155(F) class insulation system to extend the service life of the motor;
- » The working system of the motor is S1, the cooling mode is IC411, and the protection grade of the shell is IP55;
- » Suitable for all kinds of applications, such as: the "W", "TH", "WTH", "TA" "F1, F2," WF1 "and" WF2 "
  - (W is outdoor type;TH for indoor humid & heat;WTH is outdoor humid& heat;TA for outdoor dry tropical environment;
  - F1 for indoor anti-corrosion medium;F2 is indoor corrosion prevention;WF1 for outdoor moderate corrosion protection;
  - WF2 is outdoor anti-corrosion)
- » In order to facilitate the connection of load, a C-shaped center hole is reserved on the end face of the motor shaft;
- » Excellent starting characteristics;
- » The high quality of the motor guarantees high operational reliability.
- » High efficiency, energy saving, safety and environmental protection.

IE4 series high efficiency three-phase asynchronous motor installation and dimensions

Frame Size	Number of poles	Mounting size (mm)																Overall dimensions (mm)				
		H	A	B	C	D	E	F	G	GD	K	M	N	P	R	S	T	AB	AC	HD	L	
80M	2, 4	125	100	50	19	40	6	15.5	6	10	165	130	200	0	12	3.5	165	165	250	305		
90S	2, 4, 6	90	140	100	56	24	50	8	20	7	10	165	130	200	0	12	3.5	180	180	250	303	
90L	2, 4, 6	90	140	125	56	24	50	8	20	7	10	165	130	200	0	12	3.5	180	180	265	365	
100L	2, 4, 6, 8	100	160	140	63	28	60	8	24	7	12	215	180	250	0	14.5	4	200	205	290	445	
112M	2, 4, 6, 8	112	190	140	70	28	60	8	24	7	12	215	180	250	0	14.5	4	230	220	325	468	
132S	2, 4, 6, 8	132	216	140	89	38	80	10	33	8	12	265	230	300	0	14.5	4	264	260	365	508	
132M	2, 4, 6, 8	132	216	178	89	38	80	10	33	8	12	265	230	300	0	14.5	4	264	260	365	548	
160M	2, 4, 6, 8	160	254	210	108	42	110	12	37	8	15	300	250	350	0	18.5	5	315	315	440	674	
160L	2, 4, 6, 8	160	254	254	108	42	110	12	37	8	15	300	250	350	0	18.5	5	315	315	440	700	
180M	2, 4, 6, 8	180	279	241	121	48	110	14	42.5	9	15	300	250	350	0	18.5	5	349	355	470	738	
180L	2, 4, 6, 8	180	279	279	121	48	110	14	42.5	9	15	300	250	350	0	18.5	5	349	355	470	798	
200L	2, 4, 6, 8	200	318	305	133	55	110	16	49	10	19	350	300	400	0	18.5	5	390	395	525	860	
225S	4, 8	225	356	286	149	60	140	18	53	11	19	400	350	450	0	18.5	5	435	440	580	995	
225M	2	225	356	311	149	55	110	16	49	10	19	400	350	450	0	18.5	5	435	440	580	879	
225M	4, 6, 8	225	356	311	149	60	140	18	53	11	19	400	350	450	0	18.5	5	435	495	580	907	
250M	2	250	406	349	168	60	140	18	53	11	24	500	450	550	0	18.5	5	486	485	680	1005	
250M	4, 6, 8	250	406	349	168	65	140	18	58	11	24	500	450	550	0	18.5	5	486	485	680	995	
280S	2	280	457	368	190	65	140	18	58	11	24	500	450	550	0	18.5	5	542	545	720	1041	
280S	4, 6, 8	280	457	368	190	75	140	20	67.5	12	24	500	450	550	0	18.5	5	542	545	720	1061	
280M	2	280	457	419	190	65	140	18	58	11	24	500	450	550	0	18.5	5	542	545	720	1100	
280M	4, 6, 8	280	457	419	190	75	140	20	67.5	12	24	500	450	550	0	18.5	5	542	545	720	1100	
315S	2	315	508	406	216	65	140	18	58	11	28	600	550	660	0	24	6	635	620	845	1320	
315S	4, 6, 8	315	508	406	216	80	170	22	71	14	28	600	550	660	0	24	6	630	620	845	1380	
315M	2	315	508	457	216	65	140	18	58	11	28	600	550	660	0	24	6	630	620	845	1385	
315M	4, 6, 8	315	508	457	216	80	170	22	71	14	28	600	550	660	0	24	6	630	620	845	1445	
315L	2	315	508	508	216	65	140	18	58	11	28	600	550	660	0	24	6	630	620	845	1385	
315L	4, 6, 8	315	508	508	216	80	170	22	71	14	28	600	550	660	0	24	6	630	620	845	1445	
355M	2	355	610	560	254	75	140	20	67.5	12	28	740	680	800	0	24	6	727	700	1010	1520	
355M	4, 6, 8	355	610	560	254	95	170	25	86	14	28	740	680	800	0	24	6	727	700	1010	1550	
355L	2	355	610	630	254	75	140	20	67.5	12	28	740	680	800	0	24	6	727	700	1010	1520	
355L	4, 6, 8	355	610	630	254	95	170	25	86	14	28	740	680	86	0	24	6	727	700	1010	1550	
4001	2	400	686	560	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860	1010	2050	
4001	4, 6, 8	400	686	560	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860	1250	2050	
4002	2	400	686	630	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860	1250	2050	
4002	4, 6, 8	400	686	630	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860	1250	2050	
4003	2	400	686	710	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860	1250	2050	
4003	4, 6, 8	400	686	710	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860	1250	2050	

IE4 series high efficiency three phase asynchronous motor pole data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
IE4-80M1-2	0.75	1	1.64	2840	83.5	0.83	2.3	2.2	8.5	62	1.6	20
IE4-80M2-2	1.1	1.5	2.36	2840	85.2	0.83	2.3	2.2	8.5	62	1.6	23
IE4-90S-2	1.5	2	3.1	2840	86.5	0.85	2.3	2.2	9.0	67	1.6	26
IE4-90L-2	2.2	3	4.42	2840	88.0	0.86	2.3	2.2	9.0	67	1.6	32
IE4-100L-2	3	4	5.88	2860	89.1	0.87	2.3	2.2	9.5	74	1.6	41
IE4-112M-2	4	5.5	7.67	2880	90.0	0.88	2.3	2.2	9.5	77	1.6	51
IE4-132S1-2	5.5	7.5	10.4	2900	90.9	0.88	2.3	2.0	9.5	79	1.6	72
IE4-132S2-2	7.5	10	14	2900	91.7	0.89	2.3	2.0	9.5	79	1.6	81
IE4-160M1-2	11	15	20.3	2930	92.6	0.89	2.3	2.0	9.5	81	2.2	130
IE4-160M2-2	15	20	27.4	2930	93.3	0.89	2.3	2.0	9.5	81	2.2	140
IE4-160L-2	18.5	25	33.7	2930	93.7	0.89	2.3	2.0	9.5	81	2.2	180
IE4-180M-2	22	30	40	2940	94.0	0.89	2.3	2.0	9.5	83	2.2	208
IE4-200L1-2	30	40	54.2	2950	94.5	0.89	2.3	2.0	9.0	84	2.2	283
IE4200L2-2	37	50	66.6	2950	94.8	0.89	2.3	2.0	9.0	84	2.2	305
IE4-225M-2	45	60	80.9	2960	95.0	0.89	2.3	2.0	9.0	86	2.2	375
IE4-250M-2	55	75	98.5	2965	95.3	0.89	2.3	2.0	9.0	89	2.2	485
IE4-280S-2	75	100	134	2970	95.6	0.89	2.3	1.8	8.5	91	2.2	690
IE4-280M-2	90	125	160	2970	95.8	0.89	2.3	1.8	8.5	91	2.2	715
IE4-315S-2	110	150	196	2975	96.0	0.89	2.3	1.8	8.5	92	2.8	1095
IE4-315M-2	132	175	234	2975	96.2	0.89	2.3	1.8	8.5	92	2.8	1225
IE4-315L1-2	160	220	284	2975	96.3	0.89	2.2	1.8	8.5	92	2.8	1395
IE4-315L2-2	200	270	354	2975	96.5	0.89	2.2	1.8	8.5	92	2.8	1590
IE4-355M-2	250	350	433	2980	96.5	0.91	2.2	1.6	8.5	97	2.8	2145
IE4-355L-2	315	425	545	2980	96.5	0.91	2.2	1.6	8.5	97	2.8	2440
IE4-80M1-4	0.55	0.75	1.34	1390	84.0	0.74	2.3	2.3	8.5	56	1.6	20
IE4-80M2-4	0.75	1	1.8	1390	85.7	0.74	2.3	2.3	8.5	56	1.6	21
IE4-90S-4	1.1	1.5	2.56	1390	87.2	0.75	2.3	2.3	8.5	59	1.6	26
IE4-90L-4	1.5	2	3.4	1390	88.2	0.76	2.3	2.3	9.0	59	1.6	30
IE4-100L1-4	2.2	3	4.73	1410	89.5	0.79	2.3	2.3	9.0	64	1.6	41
IE4-100L2-4	3	4	6.3	1410	90.4	0.8	2.3	2.3	9.5	64	1.6	46
IE4-112M-4	4	5.5	8.34	8.34	91.1	0.8	2.3	2.3	9.5	65	1.6	58
IE4-132S-4	1.5	7.5	11.4	11.4	91.9	0.8	2.3	2.3	9.5	71	1.6	75

IE4 series high efficiency three phase asynchronous motor pole data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
IE4-132M-4	7.5	10	15.2	1440	92.6	0.81	2.3	2.0	9.5	71	1.6	85
IE4-160M-4	11	15	21.6	1460	93.3	0.83	2.3	2.0	9.5	73	2.2	140
IE4-160L-4	15	20	28.9	1460	93.9	0.84	2.3	2.0	9.5	73	2.2	161
IE4-180M-4	18.5	25	35.1	1470	94.2	0.85	2.3	2.0	9.5	76	2.2	210
IE4-180L-4	22	30	41.6	1470	94.5	0.85	2.3	2.0	9.5	76	2.2	231
IE4-200L-4	30	40	56.5	1470	94.9	0.85	2.3	2.0	9.0	76	2.2	295
IE4-225S-4	37	50	69.5	1475	95.2	0.85	2.3	2.0	9.0	78	2.2	360
IE4-225M-4	45	60	84.3	1475	95.4	0.85	2.3	2.0	9.0	78	2.2	391
IE4-250M-4	55	75	102	1480	95.7	0.86	2.3	2.0	9.0	79	2.2	512
IE4-280S-4	75	100	136	1480	96.0	0.87	2.3	2.0	8.5	80	2.2	670
IE4-280M-4	90	125	162	1480	96.1	0.88	2.3	2.0	8.5	80	2.2	880
IE4-315S-4	110	150	195	1480	96.3	0.89	2.2	1.8	8.5	88	2.8	1095
IE4-315M-4	132	175	234	1480	96.4	0.89	2.2	1.8	8.5	88	2.8	1360
IE4-315L1-4	160	220	280	1480	96.6	0.90	2.2	1.8	8.5	88	2.8	1340
IE4-315L2-4	200	270	349	1480	96.7	0.90	2.2	1.8	8.5	88	2.8	1740
IE4-355M-4	250	350	436	1490	96.7	0.90	2.2	1.8	8.5	92	2.8	2116
IE4-355L-4	315	425	550	1490	96.7	0.90	2.2	1.8	8.5	92	2.8	2381
IE4-90S-6	0.75	1	2.0	910	82.7	0.70	2.1	2.1	7.5	57	1.6	26
IE4-90L-6	1.1	1.5	2.8	910	84.5	0.70	2.1	2.1	7.5	57	1.6	35
IE4-100L-6	1.5	2	3.7	920	85.9	0.71	2.1	2.1	7.5	61	1.6	40
IE4-112M-6	2.2	3	5.4	835	87.4	0.71	2.1	2.1	7.5	65	1.6	53
IE4-132S-6	3	4	7.3	960	88.6	0.71	2.1	2.0	7.5	69	1.6	70
IE4-132M1-6	4	5.5	9.4	960	89.5	0.72	2.1	2.0	8.0	69	1.6	87
IE4-132M2-6	5.5	7.5	12.8	960	90.5	0.72	2.1	2.0	8.0	69	1.6	100
IE4-160M-6	7.5	10	16.4	970	91.3	0.76	2.1	2.0	8.0	73	2.2	130
IE4-160L-6	11	15	23.5	970	92.3	0.77	2.1	2.0	8.5	73	2.2	161
IE4-180L-6	15	20	30.7	970	92.9	0.80	2.1	2.0	8.5	73	2.2	225
IE4-200L1-6	18.5	25	37.6	980	93.4	0.80	2.1	2.0	8.5	73	2.2	282
IE4-200L2-6	22	30	44	980	93.7	0.81	2.1	2.0	8.5	73	2.2	295
IE4-225M-6	30	40	59	980	94.2	0.82	2.1	2.0	8.3	74	2.2	380
IE4-250M-6	37	50	71.7	980	94.5	0.83	2.1	2.0	8.3	76	2.2	460
IE4-280S-6	45	60	86.9	980	94.8	0.83	2.0	2.0	8.5	78	2.2	590

IE4 series high efficiency three phase asynchronous motor pole data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
IE4-280M-6	55	75	105	980	95.1	0.84	2.0	2.0	8.5	78	2.2	675
IE4-315S-6	75	100	142	985	95.4	0.84	2.0	1.6	8.0	83	2.8	1095
IE4-315M-6	90	125	168	985	95.6	0.85	2.0	1.6	8.0	83	2.8	1170
IE4-315L1-6	110	150	205	985	95.8	0.85	2.0	1.6	8.0	83	2.8	1225
IE4-315L2-6	132	175	243	985	96.0	0.86	2.0	1.6	8.0	83	2.8	1360
IE4-355M1-6	160	220	294	990	96.2	0.86	2.0	1.6	8.0	85	2.8	2020
IE4-355M2-6	200	270	367	990	96.3	0.86	2.0	1.6	8.0	85	2.8	2231
IE4-355L-6	250	350	458	990	96.5	0.86	2.0	1.6	8.0	85	2.8	2381
IE4-100L1-8	0.75	1	2.2	680	78.4	0.66	2.0	2.0	7.0	59	1.6	42
IE4-100L2-8	1.1	1.5	3.09	680	80.8	0.67	2.0	2.0	7.0	59	1.6	44
IE4-112M-8	1.5	2	4.0	690	82.6	0.69	2.0	2.0	7.0	61	1.6	63
IE4-132S-8	2.2	3	5.65	705	84.5	0.70	2.0	1.8	7.5	64	1.6	76
IE4-132M-8	3	4	7.58	705	85.9	0.70	2.0	1.8	7.8	64	1.6	87
IE4-160M1-8	4	5.5	9.83	720	87.1	0.71	2.0	1.8	7.9	68	2.2	120
IE4-160M2-8	5.5	7.5	13.1	720	88.3	0.72	2.0	1.8	8.1	68	2.2	135
IE4-160L-8	7.5	10	17.2	720	89.3	0.74	2.0	1.8	7.8	68	2.2	155
IE4-180L-8	11	15	25.0	730	90.4	0.74	2.0	1.8	7.9	70	2.2	225
IE4-200L-8	15	20	33.3	730	91.2	0.75	2.0	1.8	8.0	73	2.2	276
IE4-225S-8	18.5	25	40.9	730	91.7	0.75	2.0	1.8	8.1	73	2.2	310
IE4-225M-8	22	30	47.8	730	92.1	0.76	2.0	1.8	8.3	73	2.2	445
IE4-250M-8	30	40	63.9	735	92.7	0.77	2.0	1.8	7.9	75	2.2	506
IE4-280S-8	37	50	77.4	735	93.1	0.78	2.0	1.8	7.9	76	2.2	585
IE4-280M-8	45	60	93.9	735	93.4	0.78	2.0	1.8	7.9	76	2.2	640
IE4-315S-8	55	75	111	735	93.7	0.80	2.0	1.6	8.2	82	2.8	1020
IE4-315M-8	75	100	151	735	94.2	0.80	2.0	1.6	7.6	82	2.8	1170
IE4-315L1-8	90	125	179	735	94.4	0.81	2.0	1.6	7.7	82	2.8	1300
IE4-315L2-8	110	150	218	735	94.7	0.81	2.0	1.6	7.7	82	2.8	1520
IE4-355M1-8	132	175	261	740	94.9	0.81	2.0	1.6	7.7	89	2.8	1955
IE4-355M2-8	160	220	312	740	95.1	0.82	2.0	1.6	7.7	89	2.8	2065
IE4-355L-8	200	270	388	740	95.4	0.82	2.0	1.6	7.8	89	2.8	2185
IE4-400L-2	500	680	874	2985	96.5	0.9	1.8	0.8	8.6	97	2.8	3150
IE4-400L-2	560	760	968	2985	96.5	0.91	1.8	0.8	8.7	97	2.8	3530
IE4-400S-2	630	860	1090	2985	96.5	0.91	1.8	0.8	8.7	97	2.8	4000
IE4-400L-4	500	680	892	1490	96.7	0.88	1.8	0.8	8.5	93	2.8	3150
IE4-400L-4	560	760	988	1490	96.7	0.89	1.8	0.8	8.6	93	2.8	3470
IE4-400S-4	630	860	1112	1490	96.7	0.89	1.8	0.8	8.6	93	2.8	3610
IE4-400L-6	400	540	758	990	96.6	0.83	1.8	0.8	8.0	92	2.8	3580
IE4-400S-6	450	610	852	990	96.6	0.83	1.8	0.8	8.0	92	2.8	3870
IE4-400L-6	500	680	947	990	96.6	0.83	1.8	0.8	8.0	92	2.8	3890
IE4-400S-6	555	750	1066	990	96.6	0.83	1.8	0.8	8.0	92	2.8	4220
IE4-400L-8	400	540	796	745	95.4	0.80	1.8	0.8	7.6	91	2.8	3620
IE4-400S-8	450	610	881	745	95.4	0.80	1.8	0.8	7.6	91	2.8	3970

Brief Introduction

YPT3 series variable frequency adjustable speed three-phase asynchronous motor is derived from IE3 series high efficiency three-phase asynchronous motor for general purpose low voltage variable frequency three-phase asynchronous motor. The series of motor efficiency indicators meet the requirements of level 3 efficiency in GB18613-2020 "Motor Energy Efficiency Limit Value and energy efficiency grade".

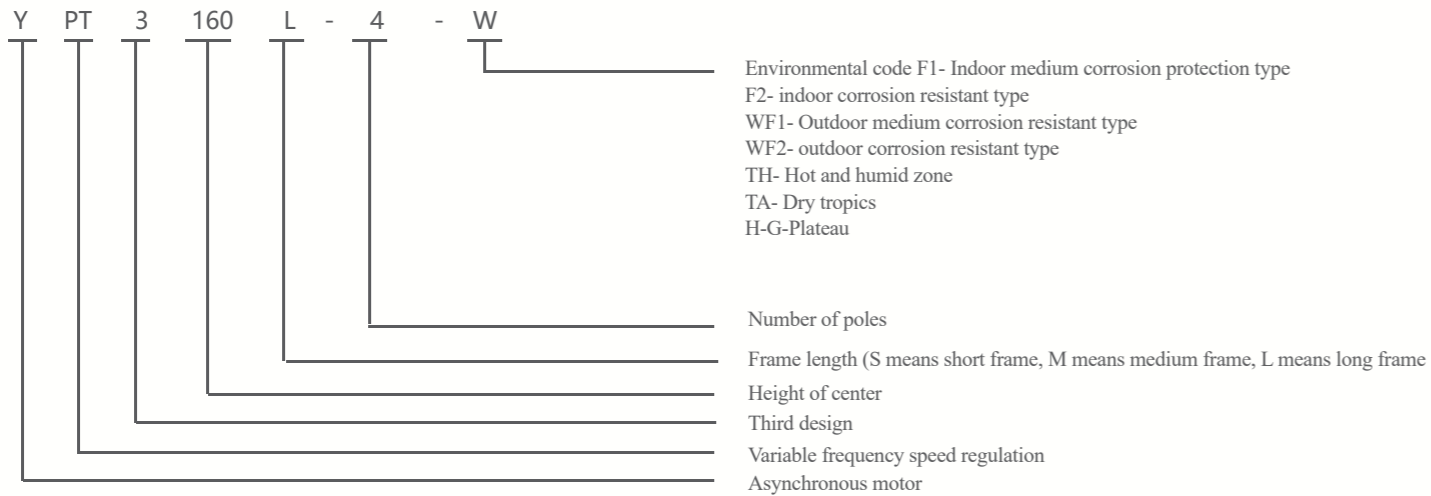
YPT3 series variable frequency adjustable speed three-phase asynchronous motor is completely enclosed, squirrel cage type structure. It has the advantages of novel design, compact structure, beautiful shape, high efficiency and torque, good starting torque performance, energy saving, low noise, small vibration, safe and reliable operation, etc.

This series of base ranges from 63 to 355, and the power rating and mounting size fully comply with the IEC standards.

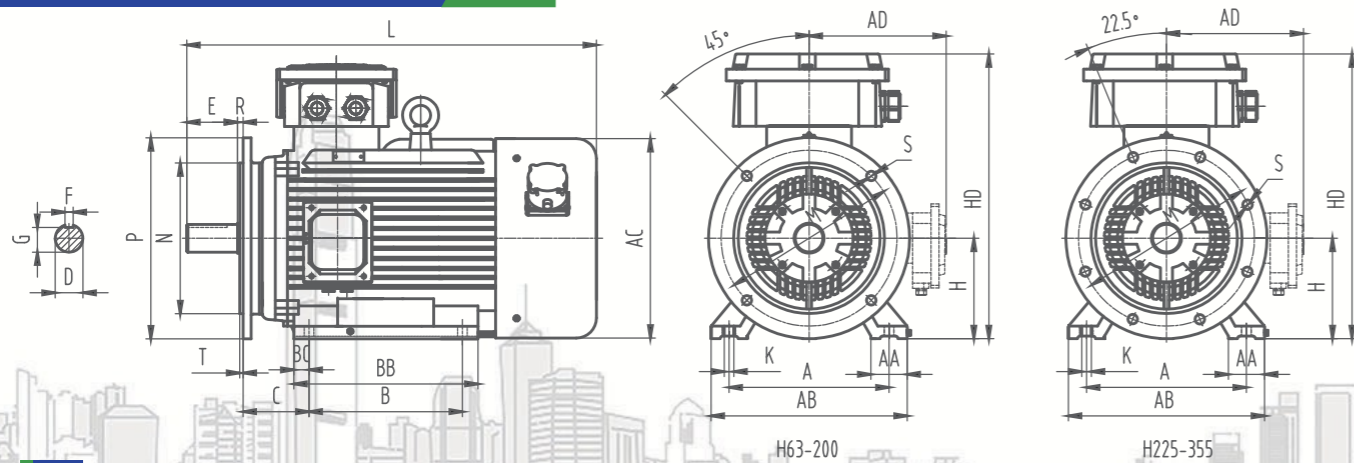
This series of motor frequency variation range is 5~50Hz, through the frequency modulation to achieve speed regulation.

The cooling mode is IC416, and axial fan with independent power supply is forced to cool. When the cooling mode is IC411, external fan rotating with the motor to cool.

Model definition



Installation and overall dimensions



YPT3 series variable frequency speed regulating three-phase asynchronous

Frame Size	Number of poles	Mounting size (mm)																	Overall dimensions (mm)									
		H	A	B	C	D	E	F	G	GD	K	M	N	P	R	S	T	AB	AC	AA	BB	B1	HA	HD	LA	L		
80M	2,4	80	125	100	50	19	40	6	15.5	6	10	165	130	200	0	12	3.5	162	165	37	145	15	10	250	12	320		
90S	2,4,6,8	90	140	100	56	24	50	8	20	7	10	165	130	200	0	12	3.5	176	180	37	180	15	10	260	12	385		
90L	2,4,6,8	90	140	125	56	24	50	8	20	7	10	165	130	200	0	12	3.5	180	180	37	210	15	10	260	12	400		
100L	2,4,6,8	100	160	140	63	28	60	8	24	7	12	215	180	250	0	14.5	4	200	205	40	235	15	14	280	14	465		
112M	2,4,6,8	112	190	140	70	28	60	8	24	7	12	215	180	250	0	14.5	4	230	220	45	250	20	15	310	14	420		
132S	2,4,6,8	132	216	140	89	38	80	10	33	8	12	265	230	300	0	14.5	4	260	255	55	190	30	16	330	14	495		
132M	2,4,6,8	132	216	178	89	38	80	10	33	8	12	265	230	300	0	14.5	4	260	285	55	230	30	16	330	14	535		
160M	2,4,6,8	160	254	210	108	42	110	12	37	8	15	300	250	350	0	18.5	5	315	330	65	260	23	20	420	15	660		
160L	2,4,6,8	160	254	254	108	42	110	12	37	8	15	300	250	350	0	18.5	5	315	315	65	305	23	20	420	15	685		
180M	2,4,6,8	180	279	241	121	48	110	14	42.5	9	15	300	250	350	0	18.5	5	350	355	70	310	34	22	450	17	715		
180L	2,4,6,8	180	279	279	121	48	110	14	42.5	9	15	300	250	350	0	18.5	5	350	355	70	350	34	22	450	17	790		
200L	2,4,6,8	200	318	305	133	55	110	16	49	10	19	350	300	400	0	18.5	5	390	395	70	370	28	25	510	20	830		
225S	4,8	225	356	286	149	60	140	18	53	11	19	400	350	450	0	18.5	5	435	445	75	370	43	28	550	20	845		
225M	2	225	356	311	149	55	110	16	49	10	19	400	350	450	0	18.5	5	435	445	75	395	43	28	550	20	870		
225M	4,6,8	225	356	311	149	60	140	18	53	11	19	400	350	450	0	18.5	5	435	470	75	395	43	28	550	20	870		
250M	2	250	406	349	168	60	140	18	53	11	24	500	450	550	0	18.5	5	490	495	80	455	57	30	680	22	910		
250M	4,6,8	250	406	349	168	65	140	18	58	11	24	500	450	550	0	18.5	5	490	495	80	455	57	30	680	22	940		
280S	2	280	457	368	190	65	140	18	58	11	24	500	450	550	0	18.5	5	550	580	85	490	70	35	720	22	970		
280S	4,6,8	280	457	368	190	75	140	20	67.5	12	24	500	450	550	0	18.5	5	545	545	85	490	70	35	720	22	1010		
280M	2	280	457	419	190	65	140	18	58	11	24	500	450	550	0	18.5	5	545	545	85	540	70	35	720	22	970		
280M	4,6,8	280	457	419	190	75	140	20	67.5	12	24	500	450	550	0	18.5	5	550	580	85	540	70	35	720	22	1070		
315S	2	315	508	406	216	65	140	18	58	11	28	600	550	660	0	24	6	635	645	120	570	67	45	870	22	1250		
315S	4,6,8	315	508	406	216	80	170	22	71	14	28	600	550	660	0	24	6	635	645	120	570	67	45	870	22	1280		
315M	2	315	508	457	216	65	140	18	58	11	28	600	550	660	0	24	6	635	620	120	680	84	45	870	22	1360		
315M	4,6,8	315	508	457	216	80	170	22	71	14	28	600	550	660	0	24	6	635	620	120	680	84	45	870	22	1390		
315L	2	315	508	508	216	65	140	18	58	11	28	600	550	660	0	24	6	635	645	120	680	84	45	870	22	1360		
315L	4,6,8	315	508	508	216	80	170	22	71	14	28	600	550	660	0	24	6	635	645	120	680	84	45	870	22	1390		
355M	2	355	610	560	254	75	140	20	67.5	12	28	740	680	800	0	24	6	730	700	120	750	66	52	980	25	1540		
355M	4,6,8	355	610	560	254	95	170	25	86	14	28	740	680	800	0	24	6	730	700	120	750	66	52	980	25	1570		
355L	2	355	610	630	254	75	140	20	67.5	12	28	740	680	800	0	24	6	730	710	120	750	66	52	980	25	1570		
355L	4,6,8	355	610	630	254	95	170	25	86	14	28	740	680	86	0	24	6	730	710	120	750	66	52	980	25	1570		
4001	2	400	686	560	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860	120	750	66	52	980	25	1990		
4001	4,6,8	400	686	560	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860					1250		1990		
4002	2	400	686	630	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860					1250		1990		
4002	4,6,8	400	686	630	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860					1250		1990		
4003	2	400	686	710	280	100	210	28	90	16	35	940	880	1000	0	28	6	800	860					1250		1990		
4003	4,6,8	400	686	710	280	120	210	32	109	18	35	940	880	1000	0	28	6	800	860					1250		1990		

YPT3 series variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YPT3-80M1-2	0.75	1	1.72	2840	80.7	0.82	2.3	—	—	62	1.6	22
YPT3-80M2-2	1.1	1.5	2.43	2840	82.7	0.83	2.3	—	—	62	1.6	25
YPT3-90S-2	1.5	2	3.22	2840	84.2	0.84	2.3	—	—	67	1.6	28
YPT3-90L-2	2.2	3	4.58	2840	85.9	0.85	2.3	—	—	67	1.6	33
YPT3-100L-2	3	4	6.02	2860	87.1	0.87	2.3	—	—	74	1.6	41
YPT3-112M-2	4	5.5	7.84	2880	88.1	0.88	2.3	—	—	77	1.6	59
YPT3-132S1-2	5.5	7.5	10.6	2900	89.2	0.88	2.3	—	—	79	1.6	73
YPT3-132S2-2	7.5	10	14.4	2900	90.1	0.88	2.3	—	—	79	1.6	80
YPT3-160M1-2	11	15	20.6	2930	91.2	0.89	2.3	—	—	81	2.2	122
YPT3-160M2-2	15	20	27.9	2930	91.9	0.89	2.3	—	—	81	2.2	132
YPT3-160L-2	18.5	25	34.2	2930	92.4	0.89	2.3	—	—	81	2.2	166
YPT3-180M-2	22	30	40.5	2940	92.7	0.89	2.3	—	—	83	2.2	191
YPT3-200L1-2	30	40	54.9	2950	93.3	0.89	2.3	—	—	84	2.2	256
YPT3-200L2-2	37	50	67.4	2950	93.7	0.89	2.3	—	—	84	2.2	275
YPT3-225M-2	45	60	80.8	2960	94.0	0.90	2.3	—	—	86	2.2	335
YPT3-250M-2	55	75	98.5	2965	94.3	0.90	2.3	—	—	89	2.2	441
YPT3-280S-2	75	100	134	2970	94.7	0.90	2.3	—	—	91	2.2	618
YPT3-280M-2	90	125	160	2970	95.0	0.90	2.3	—	—	91	2.2	641
YPT3-315S-2	110	150	195	2975	95.4	0.90	2.3	—	—	92	2.8	970
YPT3-315M-2	132	175	234	2975	95.6	0.90	2.3	—	—	92	2.8	1085
YPT3-315L1-2	160	220	279	2975	95.6	0.91	2.3	—	—	92	2.8	1230
YPT3-315L2-2	185	250	323	2975	95.8	0.91	2.3	—	—	92	2.8	1320
YPT3-315L2-2	200	270	349	2975	95.8	0.91	2.2	—	—	92	2.8	1400
YPT3-355M1-2	220	300	383	2980	95.8	0.91	2.2	—	—	100	2.8	1720
YPT3-355M-2	250	350	436	2980	95.8	0.91	2.2	—	—	100	2.8	1885
YPT3-355L1-2	280	380	488	2980	95.8	0.91	2.2	—	—	100	2.8	2010
YPT3-355L2-2	315	425	549	2980	95.8	0.91	2.2	—	—	100	2.8	2140
YPT3-80M1-4	0.55	0.75	1.38	1390	81.0	0.75	2.3	—	—	56	1.6	22
YPT3-80M2-4	0.75	1	1.84	1390	82.5	0.75	2.3	—	—	56	1.6	23
YPT3-90S-4	1.1	1.5	2.61	1390	84.1	0.76	2.3	—	—	59	1.6	28

YPT3 series variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YPT3-90L-4	1.5	2	3.47	1390	85.3	0.77	2.3	—	—	59	1.6	31
YPT3-100L1-4	2.2	3	4.76	1410	86.7	0.81	2.3	—	—	64	1.6	41
IE3-100L2-4	3	4	6.34	1410	87.7	0.82	2.3	—	—	64	1.6	45
YPT3-112M-4	4	5.5	8.37	1435	88.6	0.82	2.3	—	—	65	1.6	55
YPT3-132S-4	5.5	7.5	11.2	1440	89.6	0.83	2.3	—	—	71	1.6	75
YPT3-132M-4	7.5	10	15	1440	90.4	0.84	2.3	—	—	71	1.6	82
YPT3-160M-4	11	15	21.5	1460	91.4	0.85	2.3	—	—	73	2.2	130
YPT3-160L-4	15	20	28.8	1460	92.1	0.86	2.3	—	—	73	2.2	150
YPT3-180M-4	18.5	25	35.3	1470	92.6	0.86	2.3	—	—	76	2.2	190
YPT3-180L-4	22	30	41.8	1470	93.0	0.86	2.3	—	—	76	2.2	211
YPT3-200L-4	30	40	56.6	1470	93.6	0.86	2.3	—	—	76	2.2	265
YPT3-225S-4	37	50	69.6	1475	93.9	0.86	2.3	—	—	78	2.2	321
YPT3-225M-4	45	60	84.4	1475	94.2	0.86	2.3	—	—	78	2.2	350
YPT3-250M-4	55	75	103	1480	94.6	0.86	2.3	—	—	79	2.2	455
YPT3-280S-4	75	100	136	1480	95.0	0.88	2.3	—	—	80	2.2	601
YPT3-280M-4	90	125	163	1480	95.2	0.88	2.3	—	—	80	2.2	785
YPT3-315S-4	110	150	197	1480	95.4	0.89	2.2	—	—	88	2.8	970
YPT3-315M-4	132	175	236	1480	95.6	0.89	2.2	—	—	88	2.8	1200
YPT3-315L1-4	160	220	285	1480	95.8	0.89	2.2	—	—	88	2.8	1185
YPT3-315L2-4	185	250	330	1480	95.8	0.89	2.2	—	—	88	2.8	1310
YPT3-315L2-4	200	270	352	1480	96.0	0.90	2.2	—	—	88	2.8	1530
YPT3-355M1-4	220	300	387	1490	96.0	0.90	2.2	—	—	95	2.8	1780
YPT3-355M-4	250	350	440	1490	96.0	0.90	2.2	—	—	95	2.8	1860
YPT3-355L1-4	280	380	492	1490	96.0	0.90	2.2	—	—	95	2.8	2010
YPT3-355L2-4	315	425	554	1490	96.0	0.90	2.2	—	—	95	2.8	2090
YPT3-90S-6	0.75	1	2.03	910	78.9	0.71	2.1	—	—	57	1.6	25
YPT3-90L-6	1.1	1.5	2.83	910	81.0	0.73	2.1	—	—	57	1.6	35
YPT3-100L-6	1.5	2	3.78	920	82.5	0.73	2.1	—	—	61	1.6	40
YPT3-112M-6	2.2	3	5.36	935	84.3	0.74	2.1	—	—	65	1.6	51
YPT3-132S-6	3	4	7.2	960	85.6	0.74	2.1	—	—	69	1.6	71

YPT3 series variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YPT3-132M1-6	4	5.5	9.46	960	86.8	0.74	2.1	—	—	69	1.6	86
YPT3-132M2-6	5.5	7.5	12.7	960	88	0.75	2.1	—	—	69	1.6	95
YPT3-160M-6	7.5	10	16.2	970	89.1	0.79	2.1	—	—	73	2.2	122
YPT3-160L-6	11	15	23.1	970	90.3	0.80	2.1	—	—	73	2.2	150
YPT3-180L-6	15	20	30.9	970	91.2	0.81	2.1	—	—	73	2.2	205
YPT3-200L1-6	18.5	25	37.8	980	91.7	0.81	2.1	—	—	73	2.2	255
YPT3-200L2-6	22	30	44.8	980	92.2	0.81	2.1	—	—	73	2.2	265
YPT3-225M-6	30	40	59.1	980	92.9	0.83	2.1	—	—	74	2.2	340
YPT3-250M-6	37	50	71.7	980	93.3	0.84	2.1	—	—	76	2.2	410
YPT3-280S-6	45	60	85.8	980	93.7	0.85	2.0	—	—	78	2.2	530
YPT3-280M-6	55	75	103	980	94.1	0.86	2.0	—	—	78	2.2	605
YPT3-315S-6	75	100	143	985	94.6	0.84	2.0	—	—	83	2.8	970
YPT3-315M-6	90	125	170	985	94.9	0.85	2.0	—	—	83	2.8	1035
YPT3-315L1-6	110	150	207	985	95.1	0.85	2.0	—	—	83	2.8	1085
YPT3-315L2-6	132	175	244	985	95.4	0.86	2.0	—	—	83	2.8	1200
YPT3-355M1-6	160	220	296	990	95.6	0.86	2.0	—	—	85	2.8	1775
YPT3-355M-6	185	250	342	990	95.6	0.86	2.0	—	—	85	2.8	1920
YPT3-355L1-6	200	270	365	990	95.8	0.87	2.0	—	—	85	2.8	1960
YPT3-355L2-6	220	300	401	990	95.8	0.87	2.0	—	—	85	2.8	1985
YPT3-355L-6	250	350	456	990	95.8	0.87	2.0	—	—	85	2.8	2090
YPT3-90S-8	0.37	0.5	1.33	670	69.3	0.61	1.9	—	—	66	1.6	26
YPT3-90L-8	0.55	0.75	1.88	670	73	0.61	2.0	—	—	56	1.6	29
YPT3-100L1-8	0.75	1	2.27	680	75	0.67	2.0	—	—	59	1.6	38
YPT3-100L2-8	1.1	1.5	3.12	680	77.7	0.69	2.0	—	—	59	1.6	40
YPT3-112M-8	1.5	2	4.09	690	79.7	0.70	2.0	—	—	61	1.6	55
YPT3-132S-8	2.2	3	5.75	705	81.9	0.71	2.0	—	—	64	1.6	70
YPT3-132M-8	3	4	7.48	705	83.5	0.73	2.0	—	—	64	1.6	79
YPT3-160M1-8	4	5.5	9.82	720	84.8	0.73	2.0	—	—	68	2.2	105
YPT3-160M2-8	5.5	7.5	13.1	720	86.2	0.74	2.0	—	—	68	2.2	115
YPT3-160L-8	7.5	10	17.4	720	87.3	0.75	2.0	—	—	68	2.2	132

YPT3 series variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YPT3-180L-8	11	15	25.2	730	88.6	0.75	2.0	—	—	70	2.2	186
YPT3-200L-8	15	20	33.5	730	89.6	0.76	2.0	—	—	73	2.2	228
YPT3-225S-8	18.5	25	41	730	90.1	0.76	2.0	—	—	73	2.2	255
YPT3-225M-8	22	30	47.3	730	90.6	0.78	2.0	—	—	73	2.2	360
YPT3-250M-8	30	40	63.2	735	91.3	0.79	2.0	—	—	75	2.2	410
YPT3-280S-8	37	50	77.5	735	91.8	0.79	2.0	—	—	76	2.2	482
YPT3-280M-8	45	60	93.9	735	92.2	0.79	2.0	—	—	76	2.2	525
YPT3-315S-8	55	75	112	735	92.5	0.81	2.0	—	—	82	2.8	825
YPT3-315M-8	75	100	151	735	93.1	0.81	2.0	—	—	82	2.8	925
YPT3-315L1-8	90	125	179	735	93.4	0.82	2.0	—	—	82	2.8	1045
YPT3-315L2-8	110	150	218	735	93.7	0.82	2.0	—	—	82	2.8	1220
YPT3-355M1-8	132	175	260	740	94.0	0.82	2.0	—	—	89	2.8	1565
YPT3-355M2-8	160	220	314	740	94.3	0.82	2.0	—	—	89	2.8	1650
YPT3-355L1-8	185	250	364	740	94.3	0.82	2.0	—	—	89	2.8	1710
YPT3-355L-8	200	270	387	740	94.6	0.83	2.0	—	—	89	2.8	1755
YPT3-355L3-8	220	300	426	740	94.6	0.83	2.0	—	—	89	2.8	1870
YPT3-355L4-8	250	350	484	740	94.6	0.83	2.0	—	—	89	2.8	2000
YPT3-4001-2	500	680	881	2985	95.8	0.9	2.2	—	—	100	2.8	3140
YPT3-4002-2	560	760	976	2985	95.8	0.91	2.2	—	—	100	2.8	3520
YPT3-4003-2	630	860	1098	2985	95.8	0.91	2.2	—	—	100	2.8	4010
YPT3-4001-4	500	680	899	1490	96	0.88	2.2	—	—	96	2.8	3150
YPT3-4002-4	560	760	995	1490	96	0.89	2.2	—	—	96	2.8	3470
YPT3-4003-4	630	860	1120	1490	96	0.89	2.2	—	—	96	2.8	3610
YPT3-4001-6	400	540	764	990	95.8	0.83	2.0	—	—	94	2.8	3580
YPT3-4002-6	450	610	859	990	95.8	0.83	2.0	—	—	94	2.8	3870
YPT3-4003-6	500	680	955	990	95.8	0.83	2.0	—	—	94	2.8	3870
YPT3-4001-8	355	480	712	745	94.6	0.8	2.0	—	—	92	2.8	3620
YPT3-4002-8	400	540	803	745	94.6	0.8	2.0	—	—	92	2.8	3970

YBX3 SERIES HIGH EFFICIENCY EXPLOSIVE PROOF THREE-PHASE ASYNCHRONOUS MOTOR

Brief Introduction

YBX3 series high efficiency explosive proof three-phase asynchronous motor (hereinafter referred to as YBX3 motor) is a fully enclosed self-fan-cooled three-phase asynchronous motor developed and designed by our company. The efficiency index is in line with the provisions of level 3 efficiency in GB18613-2020 "Motor Energy Efficiency Limit Value and energy efficiency Grade".

This series of motors comply with the national standard GB3836.1 "Electrical Equipment for Explosive gas environment Part 1: General requirements" and GB3836.2 "Electrical equipment for Explosive gas environment Part 2: explosive proof type" d ". At the same time, the design of its explosive proof structure and parameters refers to IEC60079-1 "Structure and test of explosive proof housing of Electrical equipment" and EN50018 "Electrical equipment for explosive environment" d ". The motor is made of explosive proof type.

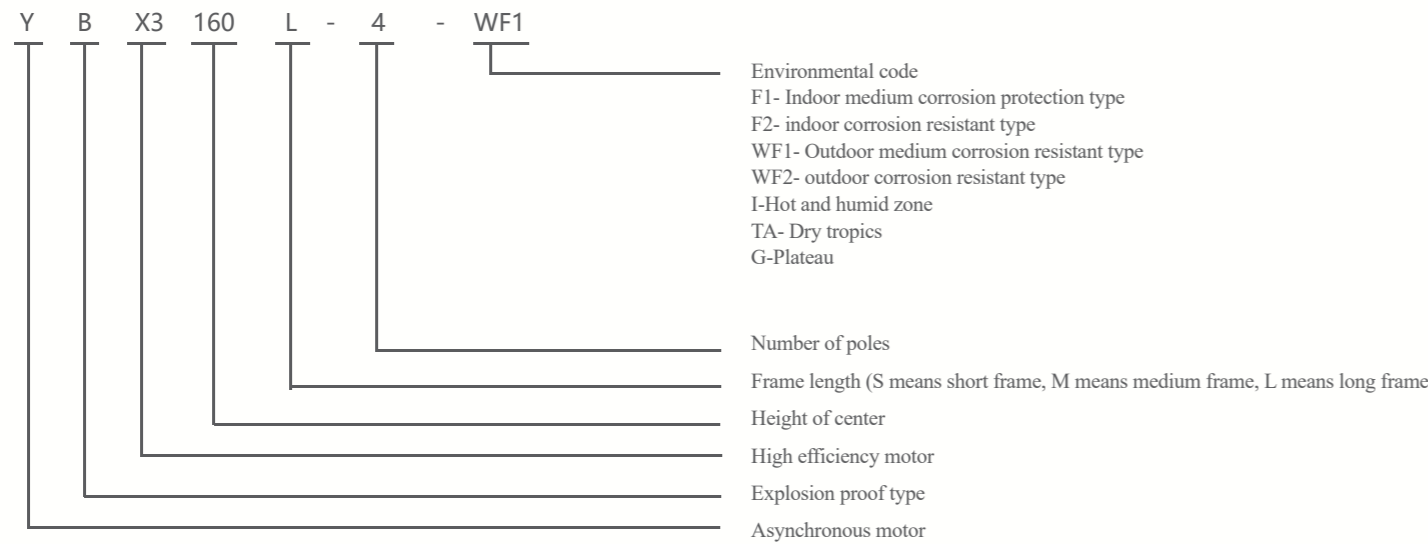
The explosion-proof mark is ExdI, ExdIAT4, ExdIIBT4, ExdIICT4, which are respectively suitable for the fixed equipment in coal mine and the factory with IIA, IIB, IIC, and the temperature group is the explosive gas mixture of T1~T4 group.

This series of motors meet IEC standards for power rating and mounting dimensions. And the corresponding relationship and YB, YB2 series is the same, so it can be interchangeable with YB YB2 motor.

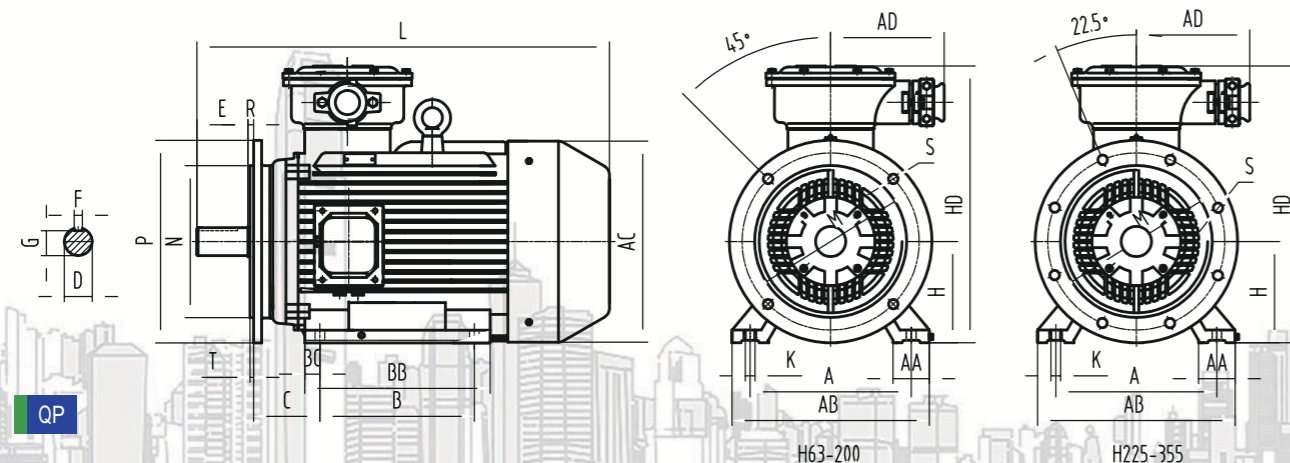
Motor cooling mode IC411(GB/T1993).

The protection class : IP55

Model definition



Installation and overall dimensions



YBX3 series high-efficiency flameproof three-phase asynchronous motor installation and dimensions

Frame Size	Number of poles	Mounting size (mm)										Overall dimensions (mm)					
		H	A	B	C	D	E	F	G	K	AB	AC	AD	HD	L		
80M	2, 4, 6, 8	80	125	100	50	19	40	6	15.5	10	162	165	175	320	330		
90S	2, 4, 6, 8	90	140	100	56	24	50	8	20	10	176	180	175	330	375		
90L	2, 4, 6, 8	90	140	125	56	24	50	8	20	10	176	180	175	330	400		
100L	2, 4, 6, 8	100	160	140	63	28	60	8	24	12	200	205	180	357	450		
112M	2, 4, 6, 8	112	190	140	70	28	60	8	24	12	240	215	195	420	460		
132S	2, 4, 6, 8	132	216	140	89	38	80	10	33	12	280	255	195	430	536		
132M	2, 4, 6, 8	132	216	178	89	38	80	10	33	12	280	255	195	430	561		
160M	2, 4, 6, 8	160	254	210	108	42	110	12	37	15	325	315	208	500	695		
160L	2, 4, 6, 8	160	254	254	108	42	110	12	37	15	325	315	208	500	735		
180M	2, 4, 6, 8	180	279	241	121	48	110	14	42.5	15	350	355	220	560	780		
180L	2, 4, 6, 8	180	279	279	121	48	110	14	42.5	15	350	355	220	560	800		
200L	2, 4, 6, 8	200	318	305	133	55	110	16	49	19	390	395	250	645	851		
225S	4, 8	225	356	286	149	60	140	18	53	19	435	445	250	690	886		
225M	2	225	356	311	149	55	110	16	49	19	435	445	250	690	881		
225M	4, 6, 8	225	356	311	149	60	140	18	53	19	435	445	250	690	916		
250M	2	250	406	349	168	60	140	18	53	24	490	495	275	720	968		
250M	4, 6, 8	250	406	349	168	65	140	18	58	24	490	495	275	720	968		
280S	2	280	457	368	190	65	140	18	58	24	540	560	300	790	1050		
280S	4, 6, 8	280	457	368	190	75	140	20	67.5	24	545	545	300	810	1050		
280M	2	280	457	419	190	65	140	18	58	24	545	545	300	790	1120		
280M	4, 6, 8	280	457	419	190	75	140	20	67.5	24	540	545	300	810	1120		
315S	2	315	508	406	216	65	140	18	58	28	640	620	400	960	1290		
315S	4, 6, 8, 10	315	508	406	216	80	170	22	71	28	630	620	365	960	1320		
315M	2	315	508	457	216	65	140	18	58	28	630	620	365	960	1437		
315M	4, 6, 8, 10	315	508	457	216	80	170	22	71	28	630	620	365	960	1437		
315L	2	315	508	508	216	65	140	18	58	28	630	620	365	1080	1555		
315L	4, 6, 8, 10	315	508	508	216	80	170	22	71	28	630	620	365	1080	1585		
355S	2	355	610	500	254	75	140	20	67.5	28	760	700	700	1020	1315		
355S	4, 6, 8, 10	355	610	500	254	95	170	25	86	28	760	700	700	1020	1610		
355M	2	355	610	560	254	75	140	20	67.5	28	760	700	700	1080	1455		
355M	4, 6, 8, 10	355	610	560	254	95	170	25	86	28	760	700	700	1080	1485		
355L	2	355	610	630	254	75	140	20	67.5	28	760	700	700	1080	1555		
355L	4, 6, 8, 10	355	610	630	254	95	170	25	86	28	760	700	700	1080	1585		

YBX3 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque rated torque	Blocked rotor torque rated torque	Lock current rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX3-80M1-2	0.75	1	1.7	2850	80.7	0.83	2.3	2.3	6.8	67	1.6	29
YBX3-80M2-2	1.1	1.5	2.43	2840	82.7	0.83	2.3	2.3	7.3	67	1.6	31
YBX3-90S-2	1.5	2	3.22	2850	84.2	0.84	2.3	2.3	7.6	72	1.6	36
YBX3-90L-2	2.2	3	4.58	2890	85.9	0.85	2.3	2.3	7.8	72	1.6	39
YBX3-100L-2	3	4	6.02	2870	87.1	0.87	2.3	2.3	8.1	76	1.6	47
YBX3-112M-2	4	5.5	7.84	2890	88.1	0.88	2.3	2.3	8.3	77	1.6	60
YBX3-132S1-2	5.5	7.5	10.6	2900	89.2	0.88	2.3	2.2	8.0	80	1.6	95
YBX3-132S2-2	7.5	10	14.2	2900	90.1	0.89	2.3	2.2	7.8	80	1.6	100
YBX3-160M1-2	11	15	20.6	2940	91.2	0.89	2.3	2.2	7.9	86	2.2	149
YBX3-160M2-2	15	20	27.9	2940	91.9	0.89	2.3	2.2	8.0	86	2.2	158
YBX3-160L-2	18.5	25	34.2	2940	92.4	0.89	2.3	2.2	8.1	86	2.2	180
YBX3-180M-2	22	30	40.5	2950	92.7	0.89	2.3	2.2	8.2	88	2.2	212
YBX3-200L1-2	30	40	54.9	2945	93.3	0.89	2.3	2.2	7.5	90	2.2	284
YBX3-200L2-2	37	50	67.4	2945	93.7	0.89	2.3	2.2	7.5	90	2.2	299
YBX3-225M-2	45	60	81.7	2960	94.0	0.89	2.3	2.2	7.6	92	2.2	367
YBX3-250M-2	55	75	99.6	2970	94.3	0.89	2.3	2.2	7.6	92	2.2	486
YBX3-280S-2	75	100	135	2970	94.7	0.89	2.3	2.0	6.9	94	2.2	645
YBX3-280M-2	90	125	162	2970	95.0	0.89	2.3	2.0	7.0	94	2.2	725
YBX3-315S-2	110	150	197	2975	95.2	0.89	2.2	1.9	7.1	96	2.8	1024
YBX3-315M-2	132	175	236	2975	95.4	0.89	2.2	1.9	7.1	96	2.8	1145
YBX3-315L1-2	160	220	286	2975	95.6	0.89	2.2	1.9	7.1	98	2.8	1239
YBX3-315L2-2	200	270	356	2975	95.8	0.89	2.2	1.9	7.1	98	2.8	1328
YBX3-355S1-2	185	250	330	2980	95.6	0.89	2.2	1.9	7.1	98	2.8	1712
YBX3-355S2-2	200	270	356	2980	95.8	0.89	2.2	1.9	7.1	98	2.8	1785
YBX3-355M1-2	220	300	392	2980	95.8	0.89	2.2	1.8	7.1	100	2.8	1995
YBX3-355M2-2	250	350	441	2980	95.8	0.90	2.2	1.8	7.1	190	2.8	2163
YBX3-355L1-2	280	380	493	2980	95.8	0.90	2.2	1.8	7.1	100	2.8	2626
YBX3-355L2-2	315	425	555	2980	95.8	0.90	2.2	1.8	7.1	100	2.8	2783
YBX3-80M1-4	0.55	0.75	1.43	1390	77.8	0.75	2.3	2.3	6.3	58	1.6	31
YBX3-80M2-4	0.75	1	1.84	1390	82.5	0.75	2.3	2.3	6.5	58	1.6	32

YBX3 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque rated torque	Blocked rotor torque rated torque	Lock current rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX3-90S-4	1.1	1.5	2.65	1390	84.1	0.75	2.3	2.3	6.6	61	1.6	36
YBX3-90L-4	1.5	2	3.56	1390	85.3	0.75	2.3	2.3	6.9	61	1.6	41
YBX3-100L1-4	2.2	3	4.76	1420	86.7	0.81	2.3	2.3	7.5	64	1.6	48
YBX3-100L2-4	3	4	6.34	1420	88.6	0.82	2.3	2.3	7.6	64	1.6	53
YBX3-112M-4	4	5.5	8.37	1430	89.6	0.82	2.3	2.3	7.7	65	1.6	59
YBX3-132S-4	5.5	7.5	11.4	1450	90.4	0.82	2.3	2.0	7.5	71	1.6	95
YBX3-132M-4	7.5	10	15.2	1450	91.4	0.83	2.3	2.0	7.4	71	1.6	111
YBX3-160M-4	11	15	21.5	1460	90.1	0.85	2.3	2.0	7.5	75	2.2	155
YBX3-160L-4	15	20	29.1	1460	92.1	0.85	2.3	2.0	7.5	75	2.2	178
YBX3-180M-4	18.5	25	35.3	1470	92.6	0.86	2.3	2.0	7.7	76	2.2	213
YBX3-180L-4	22	30	41.8	1470	93.0	0.86	2.3	2.0	7.8	76	2.2	236
YBX3-200L-4	30	40	56.0	1470	93.6	0.87	2.3	2.0	7.2	79	2.2	315
YBX3-225S-4	37	50	68.8	1480	93.9	0.87	2.3	2.0	7.3	81	2.2	340
YBX3-225M-4	45	60	83.4	1480	94.2	0.87	2.3	2.0	7.4	81	2.2	378
YBX3-250M-4	55	75	100	1480	94.6	0.88	2.3	2.0	7.4	83	2.2	511
YBX3-280S-4	75	100	136	1480	95.0	0.88	2.3	2.0	6.7	86	2.2	664
YBX3-280M-4	90	125	161	1480	95.2	0.89	2.3	2.0	7.0	86	2.2	774
YBX3-315S-4	110	150	197	1480	95.4	0.89	2.2	2.0	7.0	93	2.8	1034
YBX3-315M-4	132	175	236	1480	95.6	0.89	2.2	2.0	7.0	93	2.8	1218
YBX3-315L1-4	160	220	285	1480	95.8	0.89	2.2	2.0	7.0	94	2.8	1286
YBX3-315L2-4	200	270	356	1480	96.0	0.89	2.2	2.0	7.0	94	2.8	1386
YBX3-355S1-4	185	250	330	1488	95.8	0.89	2.2	2.0	7.0	94	2.8	1785
YBX3-355S2-4	200	270	356	1488	96.0	0.89	2.2	2.0	7.0	94	2.8	1890
YBX3-355M1-4	220	300	391	1488	96.0	0.89	2.2	2.0	7.0	95	2.8	2116
YBX3-355M2-4	250	350	445	1488	96.0	0.89	2.2	2.0	7.0	95	2.8	2150
YBX3-355L1-4	280	380	498	1488	96.0	0.89	2.2	2.0	7.0	95	2.8	2720
YBX3-355L2-4	315	425	560	1488	96.0	0.89	2.2	2.0	7.0	95	2.8	2909
YBX3-80M1-6	0.37	0.5	1.30	890	62.0	0.70	2.0	1.9	4.7	54	1.6	24
YBX3-80M2-6	0.55	0.75	1.58	890	73.6	0.72	2.1	1.9	4.7	54	1.6	25
YBX3-90S-6	0.75	1	2.01	910	78.9	0.72	2.1	2.1	5.8	57	1.6	37

YBX3 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX3-90L-6	1.1	1.5	2.83	910	81	0.73	2.1	2.1	5.9	57	1.6	39
YBX3-100L-6	1.5	2	3.73	930	82.5	0.74	2.1	2.1	6.0	61	1.6	47
YBX3-112M-6	2.2	3	5.36	940	84.3	0.74	2.1	2.1	6.0	65	1.6	60
YBX3-132S-6	3	4	7.20	970	85.6	0.74	2.1	2.0	6.2	69	1.6	92
YBX3-132M1-6	4	5.5	9.46	970	86.8	0.74	2.1	2.0	6.8	69	1.6	103
YBX3-132M2-6	5.5	7.5	12.7	970	88.0	0.75	2.1	2.0	7.1	69	1.6	115
YBX3-160M-6	7.5	10	16.4	970	89.1	0.78	2.1	2.1	6.7	73	2.2	151
YBX3-160L-6	11	15	23.7	970	90.3	0.78	2.1	2.1	6.9	73	2.2	181
YBX3-180L-6	15	20	30.9	980	91.2	0.81	2.1	2.0	7.2	73	2.2	225
YBX3-200L1-6	18.5	25	37.8	978	91.7	0.81	2.1	2.1	7.2	76	2.2	263
YBX3-200L2-6	22	30	44.2	978	92.2	0.82	2.1	2.1	7.3	76	2.2	294
YBX3-225M-6	30	40	60.6	980	92.9	0.81	2.1	2.0	7.1	76	2.2	349
YBX3-250M-6	37	50	71.7	980	93.3	0.84	2.1	2.1	7.1	78	2.2	491
YBX3-280S-6	45	60	84.8	990	93.7	0.86	2.0	2.1	7.2	80	2.2	636
YBX3-280M-6	55	75	103	990	94.1	0.86	2.0	2.1	7.2	80	2.2	698
YBX3-315S-6	75	100	142	985	94.6	0.85	2.0	2.0	7.0	85	2.8	977
YBX3-315M-6	90	125	172	985	94.9	0.84	2.0	2.0	7.0	85	2.8	1092
YBX3-315L1-6	110	150	207	985	95.1	0.85	2.0	2.0	7.0	85	2.8	1187
YBX3-315L2-6	132	175	244	985	95.4	0.86	2.0	2.0	7.0	85	2.8	1292
YBX3-355S-6	160	220	292	985	95.6	0.87	2.0	1.9	7.0	92	2.8	1991
YBX3-355M1-6	185	250	338	985	95.6	0.87	2.0	1.9	7.0	92	2.8	2048
YBX3-355M2-6	200	270	365	985	95.8	0.87	2.0	1.9	7.0	92	2.8	2090
YBX3-355L1-6	220	300	401	985	95.8	0.87	2.0	1.9	7.0	92	2.8	3024
YBX3-355L2-6	250	350	456	985	95.8	0.87	2.0	1.9	7.0	92	2.8	3056
YBX3-80M-8	0.18	0.25	0.88	650	51.0	0.61	1.9	1.8	3.3	52	1.6	22
YBX3-80M2-8	0.25	0.33	1.15	650	54.0	0.61	1.9	1.8	3.3	52	1.6	23
YBX3-90S-8	0.37	0.5	1.49	670	62.0	0.61	1.9	1.8	4.0	56	1.6	37
YBX3-90L-8	0.55	0.75	2.17	670	63.0	0.61	2.0	1.8	4.0	56	1.6	39
YBX3-100L1-8	0.75	1	2.48	690	98.7	0.67	2.0	1.8	4.0	59	1.6	43
YBX3-100L2-8	1.1	1.5	3.53	690	70.7	0.67	2.0	1.8	5.0	59	1.6	45

YBX3 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX3-112M-8	1.5	2	4.41	690	72.8	0.71	2.0	1.8	5.0	61	1.6	55
YBX3-132S-8	2.2	3	6.04	710	77.9	0.71	2.0	1.8	6.0	64	1.6	92
YBX3-132M-8	3	4	7.91	710	79.9	0.73	2.0	1.8	6.0	64	1.6	109
YBX3-160M1-8	4	5.5	10.4	720	79.9	0.73	2.0	1.9	6.0	68	2.2	150
YBX3-160M2-8	5.5	7.5	13.8	720	82.0	0.74	2.0	1.9	6.0	68	2.2	151
YBX3-160L-8	7.5	10	18.1	720	84.0	0.75	2.0	1.9	6.0	68	2.2	181
YBX3-180L-8	11	15	25.8	720	86.4	0.75	2.0	2.0	6.5	70	2.2	225
YBX3-200L-8	15	20	34.5	730	86.9	0.76	2.0	2.0	6.6	73	2.2	294
YBX3-225S-8	18.5	25	41.5	740	89.1	0.76	2.0	1.9	6.6	73	2.2	321
YBX3-225M-8	22	30	47.8	740	89.6	0.78	2.0	1.9	6.6	73	2.2	349
YBX3-250M-8	30	40	63.8	740	90.4	0.79	2.0	1.9	6.5	75	2.2	488
YBX3-280S-8	37	50	78.3	740	90.9	0.79	2.0	1.9	6.6	76	2.2	620
YBX3-280M-8	45	60	94.7	740	91.4	0.79	2.0	1.9	6.6	76	2.2	695
YBX3-315S-8	55	75	113	735	92.3	0.80	2.0	1.8	6.6	82	2.8	945
YBX3-315M-8	75	100	153	735	93.2	0.80	2.0	1.8	6.4	82	2.8	1139
YBX3-315L1-8	90	125	183	735	93.5	0.80	2.0	1.8	6.4	82	2.8	1208
YBX3-315L2-8	110	150	218	735	93.5	0.82	2.0	1.8	6.4	82	2.8	1344
YBX3-355S-8	132	175	261	740	93.8	0.82	2.0	1.8	6.4	90	2.8	1911
YBX3-355M-8	160	220	315	740	94.0	0.82	2.0	1.8	6.4	90	2.8	2168
YBX3-355L1-8	185	250	365	740	94.0	0.82	2.0	1.8	6.4	90	2.8	2615
YBX3-355L2-8	200	270	389	740	94.2	0.83	2.0	1.8	6.4	90	2.8	2751
YBX3-315S-10	45	60	100	590	91.2	0.75	2.0	1.3	6.2	82	2.8	987
YBX3-315M-10	55	75	121	590	91.8	0.75	2.0	1.3	6.2	82	2.8	1139
YBX3-315L1-10	75	100	162	590	92.3	0.76	2.0	1.3	6.2	82	2.8	1260
YBX3-315L2-10	90	125	191	590	92.9	0.77	2.0	1.3	6.2	82	2.8	1313
YBX3-355S-10	90	125	191	590	92.9	0.77	2.0	1.3	6.2	82	2.8	2279
YBX3-355M1-10	110	150	230	590	93.1	0.78	2.0	1.3	6.0	90	2.8	2457
YBX3-355M2-10	132	175	275	590	93.5	0.78	2.0	1.3	6.0	90	2.8	2531
YBX3-355L1-10	160	220	333	590	93.5	0.78	2.0	1.3	6.0	90	2.8	2814
YBX3-355L2-10	185	250	385	590	93.5	0.78	2.0	1.3	6.0	90	2.8	2900

YBX4 SERIES HIGH EFFICIENCY EXPLOSIVE PROOF THREE-PHASE ASYNCHRONOUS MOTOR

Brief Introduction

YBX4 series high efficiency explosive proof three-phase asynchronous motor (hereinafter referred to as YBX4 motor) is a fully enclosed self-fan-cooled three-phase asynchronous motor developed and designed by our company. The efficiency index meets the requirements of level

2 efficiency in GB18613-2020 "Motor Energy Efficiency Limit Value and energy efficiency Grade". This series of motors has the advantages of high efficiency, energy saving, large temperature rise margin, long life, good performance, low vibration, low noise, advanced explosive proof structure, excellent starting performance, beautiful appearance and high reliability.

This series of motors comply with the provisions of national standard GB3836.1 "Electrical Equipment for Explosive gas environment Part 1: General requirements" and GB3836.2 "Electrical equipment for explosive gas environment Part 2: Explosive proof type" d ". At the same time, the design of its explosive proof structure and parameters refers to IEC60079-1 "Structure and test of explosive proof housing of Electrical equipment" and EN50018 "Electrical equipment for explosive environment" d ". The motor is made of explosive proof type. The explosion-proof mark is ExdI, ExdIIAT4, ExdIIIBT4, ExdIICT4, which are respectively suitable for the fixed equipment in coal mine and the factory with class IIA, class IIB, class IIC, and the temperature group is the explosive gas mixture of group T1~T4.

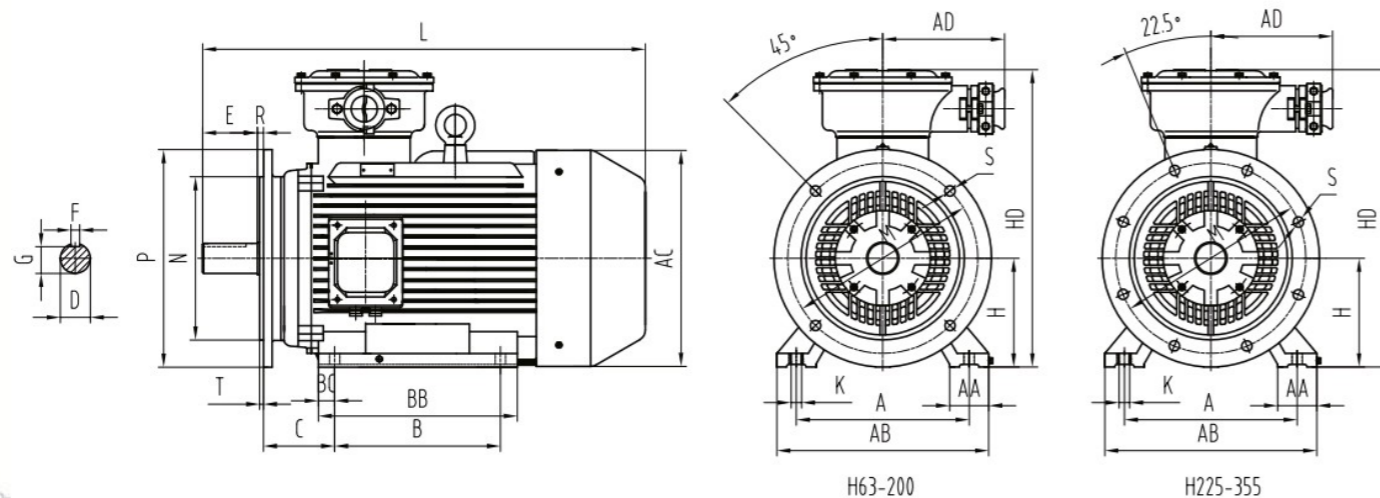
The power level and installation size of this series of motors comply with IEC standards, and the corresponding relationship is the same as the German DIN42673 standard, which is conducive to the export of equipment and spare parts of imported equipment.

Cooling mode IC411(GB/T1993).

The protection class of the main housing of this series of motors is IP55. And can produce "W", "TH", "TA", "F", "WTH" and "WF" at the same time, its technical performance indicators, installation and dimensions and explosion-proof grade with the YBX4 series.

YBX4 series high efficiency explosive proof three-phase asynchronous motor installation and dimensions

Frame Size	Number of poles	Mounting size (mm)											Overall dimensions (mm)					
		H	A	B	C	D	E	F	G	K	AB	AC	AD	HD	L			
80M	2,4	80	125	100	50	19	40	6	15.5	10	162	178	175	320	330			
90S	2,4,6	90	140	100	56	24	50	8	20	10	176	194	175	320	380			
90L	2,4,6	90	140	125	56	24	50	8	20	10	176	194	175	330	400			
100L	2,4,6,8	100	160	140	63	28	60	8	24	12	200	220	180	357	450			
112M	2,4,6,8	112	190	140	70	28	60	8	24	12	240	246	195	357	510			
132S	2,4,6,8	132	216	140	89	38	80	10	33	12	280	280	195	430	536			
132M	2,4,6,8	132	216	178	89	38	80	10	33	12	280	280	195	430	570			
160M	2,4,6,8	160	254	210	108	42	110	12	37	15	324	324	208	500	695			
160L	2,4,6,8	160	254	254	108	42	110	12	37	15	324	324	208	500	735			
180M	2,4,6,8	180	279	241	121	48	110	14	42.5	15	349	349	208	560	805			
180L	2,4,6,8	180	279	279	121	48	110	14	42.5	15	349	349	208	560	825			
200L	2,4,6,8	200	318	305	133	55	110	16	49	19	390	390	250	645	855			
225S	4,8	225	356	286	149	60	140	18	53	19	435	435	250	645	890			
225M	2	225	356	311	149	55	110	16	49	19	435	435	250	690	890			
225M	4,6,8	225	356	311	149	60	140	18	53	19	431	431	250	690	920			
250M	2	250	406	349	168	60	140	18	53	24	490	490	275	690	968			
250M	4,6,8	250	406	349	168	65	140	18	58	24	490	490	275	720	968			
280S	2	280	457	368	190	65	140	18	58	24	545	545	300	720	1050			
280S	4,6,8	280	457	368	190	75	140	20	67.5	24	545	545	300	790	1050			
280M	2	280	457	419	190	65	140	18	58	24	542	542	300	790	1120			
280M	4,6,8	280	457	419	190	75	140	20	67.5	24	542	542	300	790	1050			
315S	2	315	508	406	216	65	140	18	58	28	635	635	365	790	1290			
315S	4,6,8,10	315	508	406	216	80	170	22	71	28	635	635	365	960	1320			
315M	2	315	508	457	216	65	140	18	58	28	630	630	365	960	1385			
315M	4,6,8,10	315	508	457	216	80	170	22	71	28	630	630	365	960	1437			
315L	2	315	508	508	216	65	140	18	58	28	630	630	365	960	1385			
315L	4,6,8,10	315	508	508	216	80	170	22	71	28	630	630	395	960	1437			
355S	2	355	610	500	254	75	140	20	67.5	28	750	750	420	1020	1450			
355S	4,6,8,10	355	610	500	254	95	170	25	86	28	725	725	420	1020	1610			
355M	2	355	610	560	254	75	140	20	67.5	28	725	725	420	1020	1505			
355M	4,6,8,10	355	610	560	254	95	170	25	86	28	725	725	420	1020	1535			
355L	2	355	610	630	254	75	140	20	67.5	28	750	750	420	1020	1615			
355L	4,6,8,10	355	610	630	254	95	170	25	86	28	750	750	420	1020	1645			



YBX4 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX4-80M1-2	0.75	1	1.64	2840	83.5	0.83	2.3	2.2	8.5	67	1.6	30
YBX4-80M2-2	1.1	1.5	2.36	2840	85.2	0.83	2.3	2.2	8.5	67	1.6	33
YBX4-90S-2	1.5	2	3.1	2840	86.5	0.85	2.3	2.2	9.0	72	1.6	38
YBX4-90L-2	2.2	3	4.42	2840	88.0	0.86	2.3	2.2	9.0	72	1.6	41
YBX4-100L-2	3	4	5.88	2860	89.1	0.87	2.3	2.2	9.5	76	1.6	49
YBX4-112M-2	4	5.5	7.67	2880	90.0	0.88	2.3	2.2	9.5	77	1.6	63
YBX4-132S1-2	5.5	7.5	10.4	2900	90.9	0.88	2.3	2.0	9.5	80	1.6	100
YBX4-132S2-2	7.5	10	14	2900	91.7	0.89	2.3	2.0	9.5	80	1.6	105
YBX4-160M1-2	11	15	20.3	2930	92.6	0.89	2.3	2.0	9.5	86	2.2	156
YBX4-160M2-2	15	20	27.4	2930	93.3	0.89	2.3	2.0	9.5	86	2.2	166
YBX4-160L-2	18.5	25	33.7	2930	93.7	0.89	2.3	2.0	9.5	86	2.2	189
YBX4-180M-2	22	30	40	2940	94.0	0.89	2.3	2.0	9.5	88	2.2	233
YBX4-200L1-2	30	40	54.2	2950	94.5	0.89	2.3	2.0	9.0	90	2.2	312
YBX4-200L2-2	37	50	66.6	2950	94.8	0.89	2.3	2.0	9.0	90	2.2	329
YBX4-225M-2	45	60	80.9	2960	95.0	0.89	2.3	2.0	9.0	92	2.2	404
YBX4-250L-2	55	75	98.5	2965	95.3	0.89	2.3	2.0	9.0	92	2.2	535
YBX4-280S-2	75	100	134	2970	95.6	0.89	2.3	1.8	8.5	94	2.2	710
YBX4-280M-2	90	125	160	2970	95.8	0.89	2.3	1.8	8.5	94	2.2	798
YBX4-315S-2	110	150	196	2975	96.0	0.89	2.2	1.8	8.5	96	2.8	1126
YBX4-315M-2	132	175	234	2975	96.2	0.89	2.2	1.8	8.5	96	2.8	1260
YBX4-315L1-2	160	220	284	2975	96.3	0.89	2.2	1.8	8.5	98	2.8	1363
YBX4-315L2-2	200	270	354	2975	96.5	0.89	2.2	1.8	8.5	98	2.8	1461
YBX4-355S1-2	185	250	328	2980	96.4	0.89	2.2	1.8	8.5	98	2.8	1883
YBX4-355S2-2	200	270	354	2980	96.5	0.89	2.2	1.8	8.5	98	2.8	1964
YBX4-355M1-2	220	300	385	2980	96.5	0.90	2.2	1.6	8.5	100	2.8	2195
YBX4-355M2-2	250	350	433	2980	96.5	0.91	2.2	1.6	8.5	100	2.8	2379
YBX4-355L1-2	280	380	484	2980	96.5	0.91	2.2	1.6	8.5	100	2.8	2889
YBX4-355L2-2	315	425	545	2980	96.5	0.91	2.2	1.6	8.5	100	2.8	3061
YBX4-80M1-4	0.55	0.75	1.34	1390	83.9	0.75	2.3	2.3	8.5	58	1.6	34

YBX4 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX4-80M2-4	0.75	1	1.8	1390	85.7	0.75	2.3	2.3	8.5	58	1.6	35
YBX4-90S-4	1.1	1.5	2.56	1390	87.2	0.75	2.3	2.3	8.5	61	1.6	40
YBX4-90L-4	1.5	2	3.4	1390	88.2	0.76	2.3	2.3	9.0	61	1.6	45
YBX4-100L1-4	2.2	3	4.73	1410	89.5	0.79	2.3	2.3	9.0	64	1.6	53
YBX4-100L2-4	3	4	6.3	1410	90.4	0.80	2.3	2.3	9.5	64	1.6	58
YBX4-112M-4	4	5.5	8.34	1435	91.1	0.80	2.3	2.3	9.5	65	1.6	65
YBX4-132S-4	5.5	7.5	11.4	1440	91.9	0.80	2.3	2.0	9.5	71	1.6	105
YBX4-132M-4	7.5	10	15.2	1440	92.6	0.81	2.3	2.0	9.5	71	1.6	122
YBX4-160M-4	11	15	21.6	1460	93.3	0.83	2.3	2.0	9.5	75	2.2	171
YBX4-160L-4	15	20	28.9	1460	93.9	0.84	2.3	2.0	9.5	75	2.2	196
YBX4-180M-4	18.5	25	35.1	1470	94.2	0.85	2.3	2.0	9.5	76	2.2	234
YBX4-180L-4	22	30	41.6	1470	94.5	0.85	2.3	2.0	9.5	76	2.2	260
YBX4-200L-4	30	40	56.5	1470	94.9	0.85	2.3	2.0	9.0	79	2.2	347
YBX4-225S-4	37	50	69.5	1475	95.2	0.85	2.3	2.0	9.0	81	2.2	374
YBX4-225M-4	45	60	84.3	1475	95.4	0.85	2.3	2.0	9.0	81	2.2	416
YBX4-250M-4	55	75	102	1480	95.7	0.86	2.3	2.0	9.0	83	2.2	562
YBX4-280S-4	75	100	136	1480	96.0	0.87	2.3	2.0	8.5	86	2.2	730
YBX4-280M-4	90	125	162	1480	96.1	0.88	2.3	2.0	8.5	86	2.2	851
YBX4-315S-4	110	150	195	1480	96.3	0.89	2.2	1.8	8.5	93	2.8	1137
YBX4-315M-4	132	175	234	1480	96.4	0.89	2.2	1.8	8.5	93	2.8	1340
YBX4-315L1-4	160	220	280	1480	96.6	0.90	2.2	1.8	8.5	94	2.8	1415
YBX4-315L2-4	200	270	349	1480	96.7	0.90	2.2	1.8	8.5	94	2.8	1525
YBX4-355S1-4	185	250	323	1490	96.6	0.90	2.2	1.8	8.5	94	2.8	1964
YBX4-355S2-4	200	270	349	1490	96.7	0.90	2.2	1.8	8.5	94	2.8	2079
YBX4-355M1-4	220	300	384	1490	96.7	0.90	2.2	1.8	8.5	95	2.8	2328
YBX4-355M2-4	250	350	436	1490	96.7	0.90	2.2	1.8	8.5	95	2.8	2365
YBX4-355L1-4	280	380	489	1490	96.7	0.90	2.2	1.8	8.5	95	2.8	2992
YBX4-355L2-4	315	425	550	1490	96.7	0.90	2.2	1.8	8.5	95	2.8	3200
YBX4-90S-6	0.75	1	1.97	910	82.7	0.70	2.1	2.1	7.5	57	1.6	41

YBX4 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX4-90L-6	1.1	1.5	2.83	910	84.5	0.70	2.1	2.1	7.5	57	1.6	43
YBX4-100L-6	1.5	2	3.74	920	85.9	0.71	2.1	2.1	7.5	61	1.6	52
YBX4-112M-6	2.2	3	5.39	935	87.4	0.71	2.1	2.1	7.5	65	1.6	66
YBX4-132S-6	3	4	7.25	960	88.6	0.71	2.1	2.0	7.5	69	1.6	101
YBX4-132M1-6	4	5.5	9.43	960	89.5	0.72	2.1	2.0	8.0	69	1.6	113
YBX4-132M2-6	5.5	7.5	12.8	960	90.5	0.72	2.1	2.0	8.0	69	1.6	127
YBX4-160M-6	7.5	10	16.4	970	91.3	0.76	2.1	2.0	8.0	73	2.2	166
YBX4-160L-6	11	15	23.5	970	92.3	0.77	2.1	2.0	8.5	73	2.2	199
YBX4-180L-6	15	20	30.7	970	92.9	0.80	2.1	2.0	8.5	73	2.2	248
YBX4-200L1-6	18.5	25	37.6	980	93.4	0.80	2.1	2.0	8.5	76	2.2	289
YBX4-200L2-6	22	30	44.0	980	93.7	0.81	2.1	2.0	8.5	76	2.2	323
YBX4-225M-6	30	40	59.0	980	94.2	0.82	2.1	2.0	8.3	76	2.2	384
YBX4-250M-6	37	50	71.7	980	94.5	0.83	2.1	2.0	8.3	78	2.2	540
YBX4-280S-6	45	60	86.9	980	94.8	0.83	2.0	2.0	8.5	80	2.2	700
YBX4-280M-6	55	75	105	980	95.1	0.84	2.0	2.0	8.5	80	2.2	768
YBX4-315S-6	75	100	142	985	95.4	0.84	2.0	1.6	8.0	85	2.8	1075
YBX4-315M-6	90	125	168	985	95.6	0.85	2.0	1.6	8.0	85	2.8	1201
YBX4-315L1-6	110	150	205	985	95.8	0.85	2.0	1.6	8.0	85	2.8	1306
YBX4-315L2-6	132	175	243	985	96.0	0.86	2.0	1.6	8.0	85	2.8	1421
YBX4-355S-6	160	220	294	990	96.2	0.86	2.0	1.6	8.0	92	2.8	2190
YBX4-355M1-6	185	250	340	990	96.2	0.86	2.0	1.6	8.0	92	2.8	2253
YBX4-355M2-6	200	270	367	990	96.3	0.86	2.0	1.6	8.0	92	2.8	2299
YBX4-355L1-6	220	300	403	990	96.4	0.86	2.0	1.6	8.0	92	2.8	3326
YBX4-355L2-6	250	350	458	990	96.5	0.86	2.0	1.6	8.0	92	2.8	3362
YBX4-100L1-8	0.75	1	2.2	680	78.4	0.66	1.6	2.0	7.0	59	1.6	47
YBX4-100L2-8	1.1	1.5	3.09	680	80.8	0.67	1.6	2.0	7.0	59	1.6	50
YBX4-112M-8	1.5	2	4.00	690	82.6	0.69	1.6	2.0	7.0	61	1.6	61
YBX4-132S-8	2.2	3	5.65	705	84.5	0.70	1.6	1.8	7.5	64	1.6	101
YBX4-132M-8	3	4	7.58	705	85.9	0.70	1.6	1.8	7.8	64	1.6	120

YBX4 series high efficiency explosive proof three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque / rated torque	Blocked rotor torque / rated torque	Lock current / rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBX4-160M1-8	4	5.5	9.83	720	87.1	0.71	1.6	1.8	7.9	68	2.2	165
YBX4-160M2-8	5.5	7.5	13.1	720	88.3	0.72	1.6	1.8	8.1	68	2.2	166
YBX4-160L-8	7.5	10	17.2	720	89.3	0.74	1.6	1.8	7.8	68	2.2	199
YBX4-180L-8	11	15	25	730	90.4	0.74	1.6	1.8	7.9	70	2.2	248
YBX4-200L-8	15	20	33.3	730	91.2	0.75	1.6	1.8	8.0	73	2.2	323
YBX4-225S-8	18.5	25	40.9	730	91.7	0.75	1.6	1.8	8.1	73	2.2	353
YBX4-225M-8	22	30	47.8	730	92.1	0.76	1.6	1.8	8.3	73	2.2	384
YBX4-250L-8	30	40	63.9	735	92.7	0.77	1.6	1.8	7.9	75	2.2	537
YBX4-280S-8	37	50	77.4	735	93.1	0.78	1.6	1.8	7.9	76	2.2	682
YBX4-280M-8	45	60	93.9	735	93.4	0.78	1.6	1.8	7.9	76	2.2	765
YBX4-315S-8	55	75	111	735	93.7	0.80	1.6	1.6	8.2	82	2.8	1040
YBX4-315M-8	75	100	151	735	94.2	0.80	1.6	1.6	7.6	82	2.8	1253
YBX4-315L1-8	90	125	179	735	94.4	0.81	1.6	1.6	7.7	82	2.8	1329
YBX4-315L2-8	110	150	218	735	94.7	0.81	1.6	1.6	7.7	82	2.2	1478
YBX4-355S-8	132	175	261	740	94.9	0.81	1.6	1.6	7.7	90	2.8	2102
YBX4-355M-8	160	220	312	740	95.1	0.82	1.4	1.6	7.7	90	2.8	2385
YBX4-355L1-8	185	250	360	740	95.3	0.82	1.4	1.6	7.7	90	2.8	2877
YBX4-355L2-8	200	270	388	740	95.4	0.82	1.4	1.6	7.7	90	2.8	3026
YBX4-315S-10	45	60	100	590	91.3	0.75	1.4	1.8	7.5	82	2.8	1086
YBX4-315M-10	55	75	121	590	91.9	0.75	1.4	1.6	7.5	82	2.8	1253
YBX4-315L1-10	75	100	162	590	92.4	0.76	1.4	1.6	7.5	82	2.8	1386
YBX4-315L2-10	90	125	191	590	93.0	0.77	1.4	1.6	7.5	82	2.8	1444
YBX4-355S-10	90	125	191	590	93.0	0.77	1.4	1.6	7.5	82	2.8	2507
YBX4-355M1-10	110	150	230	590	93.2	0.78	1.4	1.6	7.3	90	2.8	2703
YBX4-355M2-10	132	175	275	590	93.6	0.78	1.4	1.6	7.3	90	2.8	2784
YBX4-355L1-10	160	220	333	590	93.6	0.78	1.4	1.6	7.3	90	2.8	3095
YBX4-355L2-10	185	250	385	590	93.6	0.78	1.4	1.6	7.3	90	2.8	3190

YBBPX3 SERIES HIGH EFFICIENCY EXPLOSIVE PROOF VARIABLE FREQUENCY SPEED REGULATING THREE-PHASE ASYNCHRONOUS MOTOR

Brief Introduction

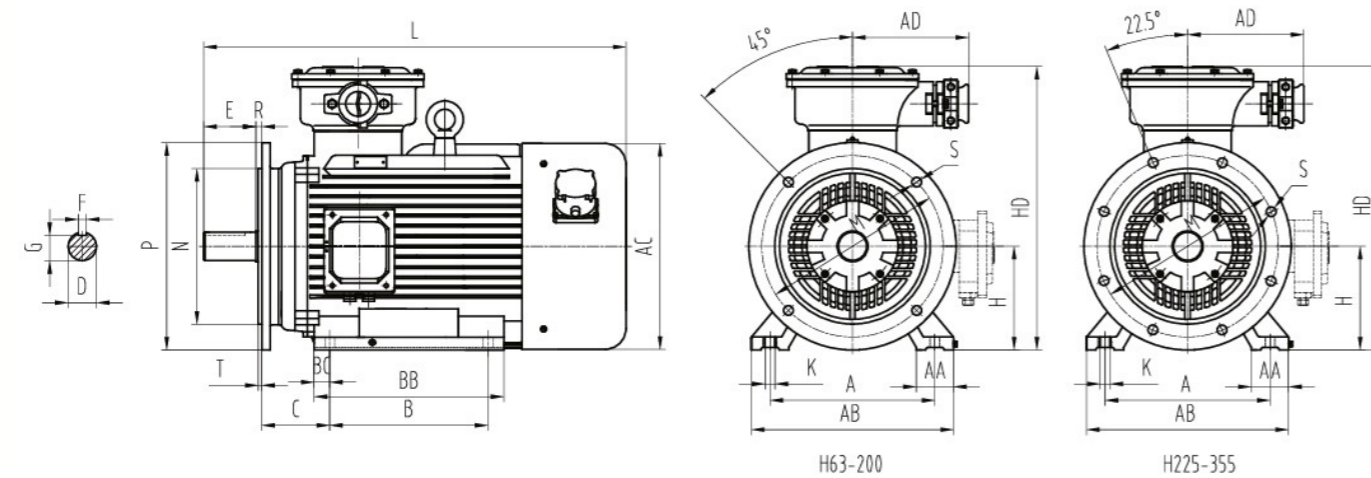
YBBPX3 series explosive proof variable frequency speed regulating three-phase asynchronous motor (hereinafter referred to as YBBPX3 motor) is derived on the basis of YBX3 series explosiveproof three-phase asynchronous motor. Efficiency indicators meet the requirements of level 3 efficiency in 6B18613-2020 "Motor Energy Efficiency Limits and energy efficiency grades", the efficiency level is equivalent to the European Eff1 high efficiency motor, and meets the requirements of the United States energy law for motors to meet EPACT efficiency indicators.

This series of motors has the advantages of small size, light weight, beautiful appearance, safe and reliable operation, long life, easy installation, use and maintenance, etc., in line with environmental requirements and can be in line with international standards.

This series of motors comply with the provisions of national standard GB3836.1 "Electrical Equipment for Explosive gas environment Part 1: General requirements" and GB3836.2 "Electrical equipment for Explosive gas environment Part 2: explosiveproof type "d". At the same time, the design of its explosiveproof structure and parameters refers to IEC60079-1 "Structure and test of explosiveproof housing of Electrical equipment" and EN50018 "Electrical equipment for explosive environment "d". The motor is made of explosiveproof type. The explosion-proof mark is ExdI, ExdIIAT4, ExdIIBT4, ExdIICT4, which are respectively suitable for the fixed equipment in coal mine and the factory with IIA class, IIB class, IIC class, and the temperature group is the explosive gas mixture of T1 ~ T4 group. The frequency range of this series of motors is 5~50Hz; Speed regulation is achieved by frequency modulation.

When the cooling mode of this series of motors is 1C416, the explosion-proof axial flow fan with independent power supply is forced to cool.

When the cooling mode is IC411, self-fan cooling with external fan rotating with the motor.



YBBPX3 series high efficiency explosive proof variable frequency speed regulating three-phase asynchronous motor installation and dimensions

Frame Size	Number of poles	Mounting size (mm)											Overall dimensions (mm)					
		A	B	C	D	E	F	G	K	H	AD	AC	AB	HD	L			
80M	2, 4, 6, 8	80	125	100	50	19	40	6	15.5	10	162	175	165	162	320	480		
90S	2, 4, 6, 8	90	140	100	56	24	50	8	20	10	176	175	180	176	330	470		
90L	2, 4, 6, 8	90	140	125	56	24	50	8	20	10	176	175	180	176	330	495		
100L	2, 4, 6, 8	100	160	140	63	28	60	8	24	12	200	180	205	180	357	610		
112M	2, 4, 6, 8	112	190	140	70	28	60	8	24	12	240	195	215	195	420	620		
132S	2, 4, 6, 8	132	216	140	89	38	80	10	33	12	280	255	255	195	430	670		
132M	2, 4, 6, 8	132	216	178	89	38	80	10	33	12	280	255	255	195	430	715		
160M	2, 4, 6, 8	160	254	210	108	42	110	12	37	15	325	315	315	208	500	970		
160L	2, 4, 6, 8	160	254	254	108	42	110	12	37	15	325	315	315	208	500	1000		
180M	2, 4, 6, 8	180	279	241	121	48	110	14	42.5	15	350	355	355	220	560	1100		
180L	2, 4, 6, 8	180	279	279	121	48	110	14	42.5	15	350	355	355	220	560	1100		
200L	2, 4, 6, 8	200	318	305	133	55	110	16	49	19	390	395	395	250	645	1040		
225S	4, 8	225	356	286	149	60	140	18	53	19	435	445	445	250	690	1190		
225M	2	225	356	311	149	55	110	16	49	19	435	445	445	250	690	1220		
225M	4, 6, 8	225	356	311	149	60	140	18	53	19	435	445	445	250	690	1220		
250M	2	250	406	349	168	60	140	18	53	24	490	495	495	275	720	1265		
250M	4, 6, 8	250	406	349	168	65	140	18	58	24	490	495	495	275	720	1265		
280S	2	280	457	368	190	65	140	18	58	24	545	560	560	300	790	1210		
280S	4, 6, 8	280	457	368	190	75	140	20	67.5	24	545	545	545	300	810	1210		
280M	2	280	457	419	190	65	140	18	58	24	545	545	545	300	790	1275		
280M	4, 6, 8	280	457	419	190	75	140	20	67.5	24	545	545	545	300	810	1275		
315S	2	315	508	406	216	65	140	18	58	28	640	620	620	400	960	1385		
315S	4, 6, 8, 10	315	508	406	216	80	170	22	71	28	630	620	620	400	960	1385		
315M	2	315	508	457	216	65	140	18	58	28	630	620	620	400	960	1460		
315M	4, 6, 8, 10	315	508	457	216	80	170	22	71	28	630	620	620	400	960	1460		
315L	2	315	508	508	216	65	140	18	58	28	630	620	620	400	960	1505		
315L	4, 6, 8, 10	315	508	508	216	80	170	22	71	28	630	620	620	400	960	1505		
355S	2	355	610	500	254	75	140	20	67.5	28	760	700	700	500	1020	1580		
355S	4, 6, 8, 10	355	610	500	254	95	170	25	86	28	760	700	700	500	1020	1735		
355M	2	355	610	560	254	75	140	20	67.5	28	760	700	700	500	1020	1755		
355M	4, 6, 8, 10	355	610	560	254	95	170	25	86	28	760	700	700	500	1020	1755		
355L	2	355	610	630	254	75	140	20	67.5	28	760	700	700	500	1020	1815		
355L	4, 6, 8, 10	355	610	630	254	95	170	25	86	28	760	700	700	500	1020	1815		
355L	2	355	610	630	254	95	170	25	86	28	760	700	700	500	1020	1895		
355L	4, 6, 8, 10	355	610	630	254	95	170	25	86	28	760	700	700	500	1020	1895		

YBBPX3 series high efficiency explosive proof variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque rated torque	Blocked rotor torque rated torque	Lock current rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBBPX3-80M1-2	0.75	1	1.7	2850	80.7	0.83	2.3	—	—	67	1.6	35
YBBPX3-80M2-2	1.1	1.5	2.43	2840	82.7	0.83	2.3	—	—	67	1.6	38
YBBPX3-90S-2	1.5	2	3.22	2850	84.2	0.84	2.3	—	—	72	1.6	42
YBBPX3-90L-2	2.2	3	4.58	2890	85.9	0.85	2.3	—	—	72	1.6	45
YBBPX3-100L-2	3	4	6.02	2870	87.1	0.87	2.3	—	—	76	1.6	55
YBBPX3-112M-2	4	5.5	7.84	2890	88.1	0.88	2.3	—	—	77	1.6	65
YBBPX3-132S1-2	5.5	7.5	10.6	2900	89.2	0.88	2.3	—	—	80	1.6	70
YBBPX3-132S2-2	7.5	10	14.2	2900	90.1	0.89	2.3	—	—	80	1.6	105
YBBPX3-160M1-2	11	15	20.6	2940	91.2	0.89	2.3	—	—	86	2.2	160
YBBPX3-160M2-2	15	20	27.9	2940	91.9	0.89	2.3	—	—	86	2.2	170
YBBPX3-160L-2	18.5	25	34.2	2940	92.4	0.89	2.3	—	—	86	2.2	190
YBBPX3-180M-2	22	30	40.5	2950	92.7	0.89	2.3	—	—	88	2.2	225
YBBPX3-200L1-2	30	40	54.9	2945	93.3	0.89	2.3	—	—	90	2.2	295
YBBPX3-200L2-2	37	50	67.4	2945	93.7	0.89	2.3	—	—	90	2.2	310
YBBPX3-225M-2	45	60	81.7	2960	94.0	0.89	2.3	—	—	92	2.2	380
YBBPX3-250M-2	55	75	99.6	2970	94.3	0.89	2.3	—	—	92	2.2	495
YBBPX3-280S-2	75	100	135	2970	94.7	0.89	2.3	—	—	94	2.2	660
YBBPX3-280M-2	90	125	162	2970	95.0	0.89	2.3	—	—	94	2.2	740
YBBPX3-315S-2	110	150	197	2975	95.2	0.89	2.2	—	—	96	2.8	1050
YBBPX3-315M-2	132	175	236	2975	95.4	0.89	2.2	—	—	96	2.8	1200
YBBPX3-315L1-2	160	220	286	2975	95.6	0.89	2.2	—	—	98	2.8	1260
YBBPX3-315L2-2	200	270	356	2975	95.8	0.89	2.2	—	—	98	2.8	1350
YBBPX3-355S1-2	185	250	330	2980	95.6	0.89	2.2	—	—	98	2.8	1740
YBBPX3-355S2-2	200	270	356	2980	95.8	0.89	2.2	—	—	98	2.8	1805
YBBPX3-355M1-2	220	300	392	2980	95.8	0.89	2.2	—	—	100	2.8	2015
YBBPX3-355M2-2	250	350	441	2980	95.8	0.9	2.2	—	—	190	2.8	2185
YBBPX3-355L1-2	280	380	493	2980	95.8	0.9	2.2	—	—	100	2.8	2660
YBBPX3-355L2-2	315	420	555	2980	95.8	0.9	2.2	—	—	100	2.8	2800
YBBPX3-80M1-4	0.55	0.75	1.43	1390	77.8	0.75	2.3	—	—	58	1.6	36
YBBPX3-80M2-4	0.75	1	1.84	1390	82.5	0.75	2.3	—	—	58	1.6	42

YBBPX3 series high efficiency explosive proof variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSΦ)	Maximum torque rated torque	Blocked rotor torque rated torque	Lock current rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBBPX3-90L-6	1.1	1.5	2.65	1390	84.1	0.75	2.3	—	—	61	1.6	41
YBBPX3-100L-6	1.5	2	3.56	1390	85.3	0.75	2.3	—	—	61	1.6	46
YBBPX3-112M-6	2.2	3	4.76	1420	86.7	0.81	2.3	—	—	64	1.6	53
YBBPX3-132S-6	3	4	6.34	1420	87.7	0.82	2.3	—	—	64	1.6	53
YBBPX3-132M1-6	4	5.5	8.37	1430	88.6	0.82	2.3	—	—	65	1.6	64
YBBPX3-132M2-6	5.5	7.5	11.4	1450	89.6	0.82	2.3	—	—	71	1.6	100
YBBPX3-160M-b	7.5	10	15.2	1450	90.4	0.83	2.3	—	—	71	1.6	116
YBBPX3-160L-6	11	15	21.5	1460	91.4	0.85	2.3	—	—	75	1.6	165
YBBPX3-180L-6	15	20	29.1	1460	92.1	0.85	2.3	—	—	75	2.2	188
YBBPX3-200L1-6	18.5	25	35.3	1470	92.6	0.86	2.3	—	—	76	2.2	223
YBBPX3-200L2-6	22	30	41.8	1470	93	0.86	2.3	—	—	76	2.2	246
YBBPX3-225M-6	30	40	56.0	1480	93.6	0.87	2.3	—	—	79	2.2	325
YBBPX3-250M-6	37	50	68.8	1480	93.9	0.87	2.3	—	—	81	2.2	350
YBBPX3-280S-6	45	60	83.4	1480	94.2	0.87	2.3	—	—	81	2.2	388
YBBPX3-280M-6	55	75	100	1480	94.6	0.88	2.3	—	—	83	2.2	521
YBBPX3-315S-6	75	100	136	1480	95	0.88	2.3	—	—	86	2.2	680
YBBPX3-315M-6	90	125	161	1480	95.2	0.89	2.3	—	—	86	2.2	690
YBBPX3-315L1-6	110	150	197	1480	95.4	0.89	2.2	—	—	93	2.2	1054
YBBPX3-315L2-6	132	175	236	1480	95.6	0.89	2.2	—	—	93	2.8	1238
YBBPX3-355S-6	160	220	285	1480	95.8	0.89	2.2	—	—	94	2.8	1306
YBBPX3-355M1-6	200	270	356	1480	96	0.89	2.2	—	—	94	2.8	1406
YBBPX3-355M2-6	185	250	330	1488	95.8	0.89	2.2	—	—	94	2.8	1805
YBBPX3-355L1-6	200	270	356	1488	96	0.89	2.2	—	—	94	2.8	1910
YBBPX3-355L2-6	220	300	391	1488	96	0.89	2.2	—	—	95	2.8	2136
YBBPX3-80M1-8	250	350	445	1488	96	0.89	2.2	—	—	95	2.8	2170
YBBPX3-80M2-8	280	380	498	1488	96	0.89	2.2	—	—	95	2.8	2720
YBBPX3-90S-8	315	420	560	1488	96	0.89	2.2	—	—	95	2.8	2929
YBBPX3-90L-8	0.37	0.5	1.30	890	62	0.7	2.0	—	—	54	2.8	29
YBBPX3-80M2-6	0.55	0.75	1.58	890	73.6	0.72	2.1	—	—	54	1.6	30
YBBPX3-90S-6	0.75	1	2.01	910	78.9	0.72	2.1	—	—	57	1.6	42

YBBPX3 series high efficiency explosive proof variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSφ)	Maximum torque rated torque	Blocked rotor torque rated torque	Lock current rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBBPX3-90L-6	1.1	1.5	2.83	910	81	0.73	2.1	—	—	57	1.6	44
YBBPX3-100L-6	1.5	2	3.73	930	82.5	0.74	2.1	—	—	61	1.6	52
YBBPX3-112M-6	2.2	3	5.36	940	84.3	0.74	2.1	—	—	65	1.6	65
YBBPX3-132S-6	3	4	7.20	970	85.6	0.74	2.1	—	—	69	1.6	97
YBBPX3-132M1-6	4	5.5	9.46	970	86.8	0.74	2.1	—	—	69	1.6	108
YBBPX3-132M2-6	5.5	7.5	12.7	970	88	0.75	2.1	—	—	69	1.6	120
YBBPX3-160M-b	7.5	10	16.4	970	89.1	0.78	2.1	—	—	73	2.2	161
YBBPX3-160L-6	11	15	23.7	970	90.3	0.78	2.1	—	—	73	2.2	191
YBBPX3-180L-6	15	20	30.9	980	91.2	0.81	2.1	—	—	73	2.2	235
YBBPX3-200L1-6	18.5	25	37.8	978	91.7	0.81	2.1	—	—	76	2.2	273
YBBPX3-200L2-6	22	30	44.2	978	92.2	0.82	2.1	—	—	76	2.2	304
YBBPX3-225M-6	30	40	60.6	980	92.9	0.81	2.1	—	—	76	2.2	359
YBBPX3-250M-6	37	50	71.7	980	93.3	0.84	2.1	—	—	78	2.2	501
YBBPX3-280S-6	45	60	84.8	990	93.7	0.86	2.0	—	—	80	2.2	651
YBBPX3-280M-6	55	75	103	990	94.1	0.86	2.0	—	—	80	2.2	713
YBBPX3-315S-6	75	100	142	985	94.6	0.85	2.0	—	—	85	2.8	997
YBBPX3-315M-6	90	125	172	985	94.9	0.84	2.0	—	—	85	2.8	1112
YBBPX3-315L1-6	110	150	207	985	95.1	0.85	2.0	—	—	85	2.8	1207
YBBPX3-315L2-6	132	175	244	985	95.4	0.86	2.0	—	—	85	2.8	1312
YBBPX3-355S-6	160	220	292	985	95.6	0.87	2.0	—	—	92	2.8	2111
YBBPX3-355M1-6	185	270	338	985	95.6	0.87	2.0	—	—	92	2.8	2068
YBBPX3-355M2-6	200	250	365	985	95.8	0.87	2.0	—	—	92	2.8	2110
YBBPX3-355L1-6	220	270	401	985	95.8	0.87	2.0	—	—	92	2.8	3044
YBBPX3-355L2-6	250	300	456	985	95.8	0.87	2.0	—	—	92	2.8	3076
YBBPX3-80M1-8	0.18	350	0.88	650	51	0.61	1.9	—	—	52	1.6	27
YBBPX3-80M2-8	0.25	380	1.15	650	54	0.61	1.9	—	—	52	1.6	28
YBBPX3-90S-8	0.37	420	1.49	670	62	0.61	1.9	—	—	56	1.6	42
YBBPX3-90L-8	0.55	0.5	2.17	670	63	0.61	2.0	—	—	56	1.6	44
YBBPX3-100L1-8	0.75	0.75	2.48	690	68.7	0.67	2.0	—	—	59	1.6	48
YBBPX3-100L2-8	1.1	1	3.53	690	70.7	0.67	2	—	—	59	1.6	50

YBBPX3 series high efficiency explosive proof variable frequency speed regulating three-phase asynchronous motor technical data

Model	Rated power		Current (amp)	Speed (RPM)	Efficiency (%)	Power factor (COSφ)	Maximum torque rated torque	Blocked rotor torque rated torque	Lock current rated torque	Noise Limit (A)	Vibration limit (mm/s)	Weight (kg)
	kW	HP										
YBBPX3-112M-8	1.5	2	4.41	690	72.8	0.71	2.0	—	—	61	1.6	60
YBBPX3-132S-8	2.2	3	6.04	710	77.9	0.71	2.0	—	—	64	1.6	97
YBBPX3-132M-8	3	4	7.91	710	79.9	0.73	2.0	—	—	64	1.6	114
YBBPX3-160M1-8	4	5.5	10.4	720	79.9	0.73	2.0	—	—	68	2.2	160
YBBPX3-160M2-8	5.5	7.5	13.8	720	82	0.74	2.0	—	—	68	2.2	161
YBBPX3-160L-8	7.5	10	18.1	720	84	0.75	2.0	—	—	68	2.2	201
YBBPX3-180L-8	11	15	25.8	720	86.4	0.75	2.0	—	—	70	2.2	245
YBBPX3-200L-8	15	20	34.5	730	86.9	0.76	2.0	—	—	73	2.2	294
YBBPX3-225S-8	18.5	25	41.5	740	89.1	0.76	2.0	—	—	73	2.2	341
YBBPX3-225M-8	22	30	47.8	740	89.6	0.78	2.0	—	—	73	2.2	369
YBBPX3-250M-8	30	40	63.8	740	90.4	0.79	2.0	—	—	75	2.2	508
YBBPX3-280S-8	37	50	78.3	740	90.9	0.79	2.0	—	—	76	2.2	635
YBBPX3-280M-8	45	60	94.7	740	91.4	0.79	2.0	—	—	76	2.2	710
YBBPX3-315S-8	55	75	113	735	92.3	0.80	2.0	—	—	82	2.8	965
YBBPX3-315M-8	75	100	153	735	93.2	0.80	2.0	—	—	82	2.8	1159
YBBPX3-315L1-8	90	125	183	735	93.5	0.80	2.0	—	—	82	2.8	1228
YBBPX3-315L2-8	110	150	218	735	93.5	0.82	2.0	—	—	82	2.8	1344
YBBPX3-355S-8	132	175	261	740	93.8	0.82	2.0	—	—	90	2.8	1911
YBBPX3-355W-8	160	220	315	740	94	0.82	2.0	—	—	90	2.8	2188
YBBPX3-355L1-8	185	250	365	740	94	0.82	2.0	—	—	90	2.8	2635
YBBPX3-355L2-8	200	270	389	740	94.2	0.83	2.0	—	—	90	2.8	2771
YBBPX3-315S-10	45	60	100	590	91.2	0.75	2.0	—	—	82	2.8	1007
YBBPX3-315M-10	55	75	121	590	91.8	0.75	2.0	—	—	82	2.8	1159
YBBPX3-315L1-10	75	100	162	590	92.3	0.76	2.0	—	—	82	2.8	1280
YBBPX3-315L2-10	90	125	191	590	92.9	0.77	2.0	—	—	82	2.8	1333
YBBPX3-355S-10	90	125	191	590	92.9	0.77	2.0	—	—	82	2.8	2299
YBBPX3-355M1-10	110	150	230	590	93.1	0.78	2.0	—	—	90	2.8	2477
YBBPX3-355M2-10	132	175	275	590	93.5	0.78	2.0	—	—	90	2.8	2551
YBBPX3-355L1-10	160	220	333	590	93.5	0.78	2.0	—	—	90	2.8	2834
YBBPX3-355L2-10	185	250	385	590	93.5	0.78	2.0	—	—	90	2.8	2920

## ASSEMBLY LINE PRODUCTION

Each process responsibility to the person, the whole process can be traced; The next process is the quality inspection of the previous process to ensure product quality.

