



ООО «ИНТЕРПРОМТЕХСЕРВИС-М»

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ООО «ИНТЕРПРОМТЕХСЕРВИС-М» в сотрудничестве с **Jiangsu Moon Motor Co.,Ltd.** предлагает вашему предприятию целый спектр промышленных электродвигателей.

Нашей основной продукцией являются взрывозащищенные двигатели, высоковольтные трехфазные двигатели и общие электродвигатели. Взрывозащищенные электродвигатели включают серии YB3, YB2, YBS (DSB), BK2, YBJ, EK3, YAKK т. д. Мы также производим Y, Y2, YKK и высокого напряжения трехфазные двигатели YRKK-серии.

- Наша продукция соответствует сертификату ISO9001: 2000, который мы получили в 2004 году.
- Все наши двигатели признаны на международном рынке и отличаются хорошим качеством и конкурентоспособными ценами.
- Мы осуществляем полный цикл поставки товара, включающий в себя размещение заказа любой сложности на предприятии Китая, вывоз товара из Китая, таможенную очистку и доставку по всей территории России и стран СНГ.
- Возможно производство двигателей по чертежам заказчика.
- Срок выполнения заказа с момента предоплаты — 2 месяца.



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Products

YB3-63~355 series explosion-proof three-phases asynchronous motors





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1. Introduction

Superseding the old generation of YB2, YB3 flame proof three-phase asynchronous motors, the basic series of flame proof motors, are developed and manufactured by our company. This series motors are of remarkable features, such as compact construction, lightweight, attractive appearance, safe and reliable operation, long operation life excellent performance and easy maintenance.

For this series motors, the output ratings and mounting dimensions conform to the specifications of IEC standards and the correlation between them basically agrees with EIN42673. The motors are easy to complete with export machinery and equipment and to supply as spare accessories in the import equipment.

This series motors are designed and manufactured into flameproof type and the flameproof property conforms to GB3836.1-2010 explosive environment Part 1: general requirement on equipment Part 2: equipment inside explosion-proof enclosure "d", IEC60079-1:2007, MOD. Explosion-proof mark ExdI Mb is suitable for the equipment used in the coal mine containing methane (class I). ExdII AT4 Gb, ExdII BT4 Gb is suitable for the equipment used in the coal mine containing explosive gases (class II).

2. Construction Features

- 1) The flameproof constructions for ExdI Mb, ExdII AT4 Gb, ExdII BT4 Gb are available.
- 2) The degree of protection is IP55 for motor main enclosures.
- 3) The cooling form is IC410 and IC411.
- 4) The stator windings are of class F insulation and ensures a large margin of safety in temperature rise and long service life.
- 5) A cylindrical shaft extension is equipped on motors, which is driven by coupling or spur gearing.
- 6) The stator windings are wound with polyester enamel round wire of high strength and them treated with the progress of vacuum-pressure impregnation, to make them become a solid integral. Therefore, the winding insulation is excellent in electrical and mechanical properties, moisture resistance and thermal stability.
- 7) The rotors are of cast-aluminum and dynamically balanced to make the motor operate smoothly with small vibration and low noise.
- 8) The stator and rotor cores are laminated with high-class electrical steel sheet with high permeability and low loss. Thus makes the motors possess low loss and high efficiency.
- 9) The motors are fitted with low vibration and low noise bearings special for motors. For the motors of frame size 160 and below, bilaterally shielded ball bearings are used and corrugated spring washers at the driving ends pressed on bearings with proper pressure to restrain effectively the vibration and noise produced during motors' operation. For the motors of frame size 180 and above, the bearings position are equipped on shafts to prevent the rotor efficiently from moving axially.

In order to operate safely and reliably, the bearings of the motors frame size 180 and above are provide with greasing attachments, which are of the use to drain or replenish the lubricating grease without stopping the motors. For the frame size 250 and above, the positions for mounting bearing temperature monitoring censors are preliminary left.

3. Service Conditions

.Rated voltage: 380V, 660V, 1140V, 380/660V, 660/1140V

.Rated frequency: 50Hz.

Duty type: Continuous running duty-type S1



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The altitude is not up to 1000m high sea level. The ambient temperature, which is subject to seasonal variation belongs to indoor circumstance of -20~+40°C.

The correlation between frame size, output and speed are shown in the below table

YB3-63~355 Series Explosion-Proof Three-phase Asynchronous Motors

Motor Code	Power(KW)				Motor Code	Power(KW)				
	SPEED: 3000r/min	SPEED: 1500r/min	SPEED: 1000r/min	SPEED: 750r/min		SPEED: 3000r/min	SPEED: 1500r/min	SPEED: 1000r/min	SPEED: 750r/min	SPEED: 600r/min
63-1	0.18	0.12	—	—	180L	—	22	15	11	—
63-2	0.25	0.18	—	—	200L1	30	30	18.5	15	—
71-1	0.37	0.25	0.18	—	200L2	37	30	22	15	—
71-2	0.55	0.37	0.25	—	225S	—	37	—	18.5	—
80-1	0.75	0.55	0.37	0.18	225M	45	45	30	22	—
80-2	1.1	0.75	0.55	0.25	250M	55	55	37	30	—
90S	1.5	1.1	0.75	0.37	280S	75	75	45	37	—
90L	2.2	1.5	1.1	0.55	280M	90	90	55	45	—
100L1	3	2.2	1.5	0.75	315S	110	110	75	55	45
100L2	3	3	1.5	1.10	315M	132	132	90	75	55
112M	4	4	2.2	1.5	315L1	160	160	110	90	75
132S1	5.5	5.5	3	2.2	315L2	200	200	132	110	90
132S2	7.5	5.5	3	2.2	355S1	(185)	(185)	160	132	90
132M1	—	7.5	4	3	355S2	200	200	160	132	90
132M2	—	7.5	5.5	3	355M1	(220)	(220)	(185)	160	110
160M1	11	11	7.5	4	355M2	250	250	200	160	132
160M2	15	11	7.5	5.5	355L1	(280)	(280)	(220)	(185)	160
160L	18.5	15	11	7.5	355L2	315	315	250	200	(185)
180M	22	18.5	—	—	—	—	—	—	—	—

4. Constructions, mounting arrangements and overall dimensions

The installation way of this series electromotor shall be in accordance with the stipulations of the structural style, installing form and classification of junction box location of GB997 electric rotating machine. This series electromotors is containing five basic structures.

B3-with foot mounted, but without flange

B5-with flange mounted and footless.

B35-with both foot and flange mounted

B14-with small flange mounted and footless

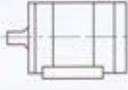
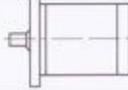
B34-with both foot and small flange mounted

Based on five constructions mentioned above, this series motors can be modified 15 constructions and mounting arrangements. For the manufacture range, see Table 2. And for constructions and mounting arrangements, see table3.

Table 2

Fram size	Sample of constructions and mounting arrangements(IM)
63-71	B3,B5,B6.B7,B8,B14,B34,V1,V3,V5,V6,V18
80-112	B3,B5,B6.B7,B8,B14,B34,B35,V1,V3,V5,V6,V15,V18,V36
132-160	B3,B5,B6.B7,B8,B35,V1,V3,V5,V6,V15,V36
315-450	B3,B35,V1.

Table 3

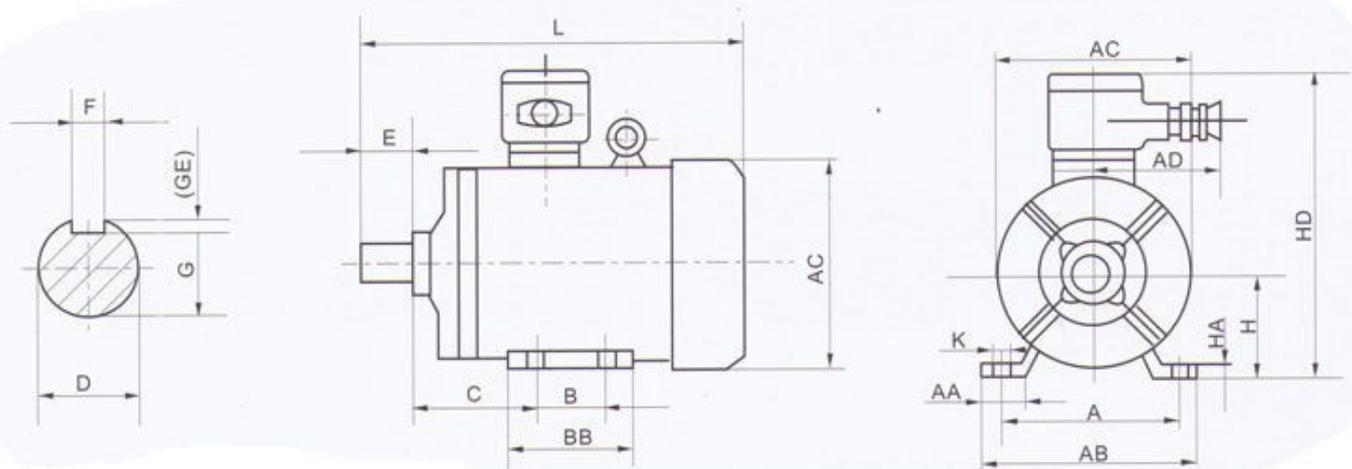
安装结构型式 Constructions and mounting arrangements	B3	B5	B6	B7	B8
示意图 Illustrated diagram					
安装结构型式 Constructions and mounting arrangements	B14	B34	B35	V1	V3
示意图 Illustrated diagram					
安装结构型式 Constructions and mounting arrangements	V5	V6	V15	V18	V36
示意图 Illustrated diagram					

5. Motor terminal construction

The structure of the terminal boxes is in possession of excellent flameproof performance, higher protection degree and bigger compartment being in favor of connection. Three entry forms are available: they are rubber-insulated cable, conduit entry and explosion-proof flexible pipe(armoured cable). According to different starting requirements, the inlet entry can be made into one or two,(one entry is suitable for motor direct-on-line starting and two entries Y-Δ starting). For the inlet entry and scope of terminal box.

Overall and mounting schematic diagram & dimensions

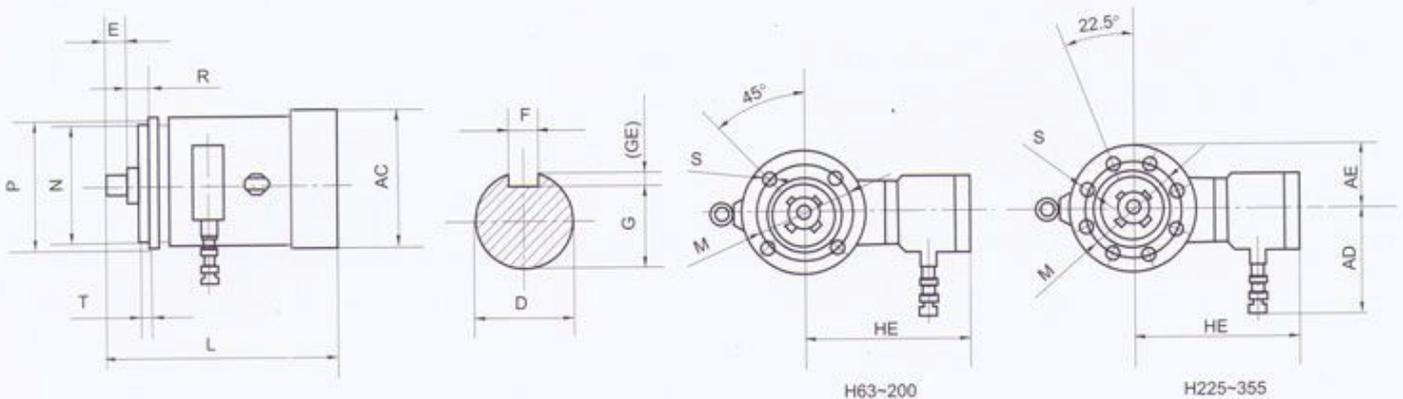
B3结构 机座带底脚, 端盖无凸缘
 Structure B3, Frame with Foundation, Cover without Flange



Mounting and Overall Dimensions

Frame Code	H	A	B	C	Overall and mounting dimensions(mm)																		
					D		E		F		G		K	AB	AD	AC	HD	AA	BB	HA	L		
					No. of Poles		No. of Poles		No. of Poles		No. of Poles										No. of Poles		
					2	4,6,8,10	2	4,6,8,10	2	4,6,8,10	2	4,6,8,10	2	4,6,8,10	2	4,6,8	10						
63	63	100	80	40	11	11	23	23	4	4	8.5	8.5	7	125	165	130	230	25	110	8	241	241	
71	71	112	90	45	14	14	30	30	5	5	11	11	7	140	165	146	250	28	114	8	267	267	
80	80	125	100	50	19	19	40	40	6	6	15.5	15.5	10	165	175	165	300	34	130	10	320	320	
90S	90	140	100	56	24	24	50	50	8	8	20	20	10	180	175	180	320	36	135	14	355	355	
90L	90	140	125	56	24	24	50	50	8	8	20	20	10	180	175	180	320	36	160	14	380	380	
100L	100	160	140	63	28	28	60	60	8	8	24	24	12	200	180	205	345	43	180	14	435	435	
112M	112	190	140	70	28	28	60	60	8	8	24	24	12	245	175	230	360	50	180	16	445	445	
132S	132	216	140	89	38	38	80	80	10	10	33	33	12	280	185	270	420	60	190	18	490	490	
132M	132	216	178	89	38	38	80	80	10	10	33	33	12	280	185	270	420	60	230	18	520	520	
160M	160	254	210	108	42	42	110	110	12	12	37	37	15	330	208	330	485	70	260	25	645	645	
160L	160	254	254	108	42	42	110	110	12	12	37	37	15	330	208	330	485	70	310	25	685	685	
180M	180	279	241	121	48	48	110	110	14	14	42.5	42.5	15	355	202	360	525	70	311	22	720	720	
180L	180	279	279	121	48	48	110	110	14	14	42.5	42.5	15	355	202	360	525	70	349	22	740	740	
200L	200	318	305	133	55	55	110	110	16	16	49	49	19	390	250	400	645	70	370	25	805	805	
225S	225	356	286	149	55	60	110	140	16	18	49	53	19	435	250	450	690	75	355	28		865	
225M	225	356	311	149	55	60	110	140	16	18	49	53	19	435	250	450	690	75	380	28	860	890	
250M	250	406	349	168	60	65	140	140	18	18	53	58	24	490	275	500	720	80	420	30	945	945	
280S	280	457	368	190	65	75	140	140	18	20	58	67.5	24	545	300	560	790	85	438	35	1010	1010	
280M	280	457	419	190	65	75	140	140	18	20	58	67.5	24	545	300	560	790	85	489	35	1060	1060	
315S	315	508	406	216	65	80	140	170	18	22	58	71	28	640	400	630	1020	130	551	38	1240	1270	1270
315M	315	508	457	216	65	80	140	170	18	22	58	71	28	640	400	630	1020	130	602	38	1320	1350	1350
315L	315	508	508	216	65	80	140	170	18	22	58	71	28	640	400	630	1020	130	653	38	1410	1440	1440
355S	355	610	500	254	75	95	140	170	20	25	67.5	86	28	740	500	750	1080	150	900	40	1510	1540	1540
355M	355	610	560	254	75	95	140	170	20	25	67.5	86	28	740	500	750	1080	150	900	40	1570	1600	1600
355L	355	610	630	254	75	95	140	170	20	25	67.5	86	28	740	500	750	1080	150	1000	40	1690	1720	1720

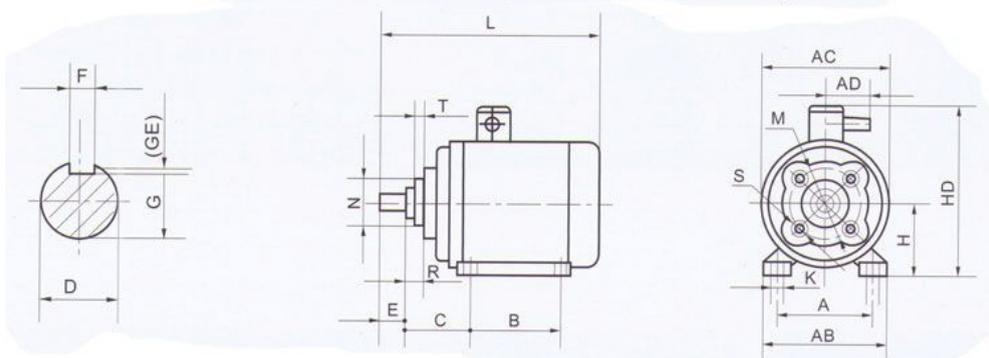
B5 结构 机座不带底脚, 端盖有凸缘
Structure B5, Frame with Foundation, Cover with Flange



Structure B5 Mounting and Overall Dimensions

Frame Code	Overall and mounting dimensions(mm)																	
	D		E		F		G		T	M	N	P	S	AD	AE	AC	L	
	No.of Poles		No.of Poles		No.of Poles		No.of Poles										No.of Poles	
	2	4,6,8,10	2	4,6,8,10	2	4,6,8,10	2	4,6,8,10	2	4,6,8,10	2	4,6,8,10						
63	11	11	23	23	4	4	8.5	8.5	3	115	95	140	4XΦ10	165	70	130	270	270
71	14	14	30	30	5	5	11	11	3	130	110	160	4XΦ10	165	80	145	300	300
80	19	19	40	40	6	6	15.5	15.5	3.5	165	130	200	4XΦ12	175	100	165	330	330
90S	24	24	50	50	8	8	20	20	3.5	165	130	200	4XΦ12	175	100	180	360	360
90L	24	24	50	50	8	8	20	20	3.5	165	130	200	4XΦ12	175	100	180	385	385
100L	28	28	60	60	8	8	24	24	4	215	180	250	4XΦ15	180	125	205	440	440
112M	28	28	60	60	8	8	24	24	4	215	180	250	4XΦ15	175	125	230	460	460
132S	38	38	80	80	10	10	33	33	4	265	230	300	4XΦ15	185	150	270	510	510
132M	38	38	80	80	10	10	33	33	4	265	230	300	4XΦ15	185	150	270	550	550
160M	42	42	110	110	12	12	37	37	5	300	250	350	4XΦ19	208	175	330	655	655
160L	42	42	110	110	12	12	37	37	5	300	250	350	4XΦ19	208	175	330	695	695
180M	48	48	110	110	14	14	42.5	42.5	5	300	250	350	4XΦ19	202	175	360	730	800
180L	48	48	110	110	14	14	42.5	42.5	5	300	250	350	4XΦ19	202	175	360	750	820
200L	55	55	110	110	16	16	49	49	5	350	300	400	4XΦ19	250	200	400	805	875
225S	55	60	110	140	16	18	49	53	5	400	350	450	8XΦ19	250	225	450	865	865
225M	55	60	110	140	16	18	49	53	5	400	350	450	8XΦ19	250	225	450	860	890
250M	60	65	140	140	18	18	53	58	5	500	450	550	8XΦ19	275	275	500	945	945
280S	65	75	140	140	18	20	58	67.5	5	500	450	550	8XΦ19	300	275	560	1010	1010
280M	65	75	140	140	18	20	58	67.5	5	500	450	550	8XΦ19	300	275	560	1060	1060
315S	65	80	140	170	18	22	58	71	6	600	550	660	8XΦ24	400	330	630	1190	1220
315M	65	80	140	170	18	22	58	71	6	600	550	660	8XΦ24	400	330	630	1300	1330
315L	65	80	140	170	18	22	58	71	6	600	550	660	8XΦ24	400	330	630	1300	1330
355S	75	95	140	170	20	25	67.5	86	6	740	680	800	8XΦ24	500	400	750	1510	1540
355M	75	95	140	170	20	25	67.5	86	6	740	680	800	8XΦ24	500	400	750	1570	1600
355L	75	95	140	170	20	25	67.5	86	6	740	680	800	8XΦ24	500	400	750	1690	1720

B34 结构 机座带底脚, 端盖上有凸缘(带螺孔)的电动机
Structure B34, Frame with Foundation, Cover with Flange





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Structure B34 Mounting and Overall Dimensions

Frame Code	Overall and mounting dimensions(mm)																		
	H	A	B	C	D	E	F	G	K	M	N	R	S	T	AB	AC	AD	HD	L
63	63	100	80	40	11	23	4	8.5	7	75	60	0	4-M5	2.5	130	150	165	230	270
71	71	112	90	45	14	30	5	11	7	85	70	0	4-M6	2.5	140	155	165	240	300
80	80	125	100	50	19	40	6	15.5	10	100	80	0	4-M6	3	165	165	180	320	330
90S	90	140	100	56	24	50	8	20	10	115	95	0	4-M8	3	180	180	180	350	360
90L	90	140	125	56	24	50	8	20	10	115	95	0	4-M8	3	180	180	180	350	385
100L	100	160	140	63	28	60	8	24	12	130	110	0	4-M8	3.5	200	205	180	400	440
112M	112	190	140	70	28	60	8	24	12	130	110	0	4-M8	3.5	245	230	200	420	460

● © ◆ Please contact us for motors if you want motors with frame No. 400 and above or 12 poles and above.



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YBK-112 ~ 355 series explosion-proof three-phases asynchronous motors for coal mines



YBK2 explosion-proof three-phase asynchronous motors are specially designed for coal mine under pit operation. The frame is made by steel plate, while the fan cover, terminal box and insulation are reinforced. This series of motors are up to the National Standards: GB3836.1-2010 explosive environment Part 1: general requirement on equipment and GB3836.2-2010 explosive environment Part 2: equipment inside explosion-proof enclose "d". Made of flame-proof ExdI Mb. Explosion-proof Mark ExdI Mb is suitable for the equipment used in the coal mine containing methane.

The electric features, mounting dimensions and rated power of this series motors are all the same as YB3 series series motors except the frame, fan cover and terminal box.

The main hull of the motors is at the protection degree IP55, up to the requirement in GB/T4942.1. The cooling system is IC411 up to GB/1993.

Technical data

Rated voltage: 380V,660V,380/660V,660/1140V.

Way of connection: Δ/Y

Way of working: continuous S1

Frequency: 50Hz

Form of installation: B3, B5

Frame size: 112-355

Power: 1.5-315kW.



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YBD2-80 ~ 280 Series explosion-proof polar changeable and multispeed three-phase asynchronous motors



Introduction

Developed from YB3 series motors, this series of motors are totally enclosed, squirrel-cage explosion-proof three-phase asynchronous ones. The number of poles and output power are changed through the different connection of coils to meet the load requirement of machines, to simplify the speed system and to save the electric energy.

The multispeed motors are satisfied by the change of poles. They have two-speed, three-speed and four-speed ones. The terminal box of the two-speed motors has six connection bolts, three-speed motors nine connection bolts and the four-speed motors 12 connection bolts for the different poles and speeds.

This series of motors are up to the National standard GB3836.2-2010 explosive environment Part 2 equipment inside explosion-proof enclosure "d". ExdII AT4 Gb, ExdII BT4 Gb is suitable for the equipment used in the coal mine containing explosive gases. Temperature group T1-T4 is applicable to the equipment used in the conditions where explosive gases are present.

Technical data:

Protection degree: IP44 or IP54, the terminal box at IP54.

The cooling way: IC411.

Rated Voltage of the motor: 380V

Frequency: 50Hz

Way of working: continuous S1.

Comparison Table among frame size, RPM and power



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YBD2-80~280 Series Explosion-Proof, Multi-polar, varispeed Three-phase asynchronous Motors

Frame Code	Powder(KW)																							
	Two Speeds (r/min)		Two Speeds (r/min)		Two Speeds (r/min)		Two Speeds (r/min)		Two Speeds (r/min)		Three Speeds (r/min)			Three Speeds (r/min)			Three Speeds (r/min)			Four Speeds(r/min)				
	1500	3000	1000	1500	750	1500	750	1000	500	1000	1000	1500	3000	750	1500	3000	750	1000	1500	500	750	1000	1500	
80-1	0.45	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
80-2	0.55	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
90S	0.85	1.1	0.65	0.85	—	—	0.35	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
90L	1.3	1.8	0.85	1.1	0.45	0.75	0.45	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
100L1	2	2.4	1.3	1.8	0.85	1.5	0.75	1.1	—	—	0.75	1.3	1.8	—	—	—	—	—	—	—	—	—	—	
100L2	2.4	3	1.5	2.2	0.85	1.5	0.75	1.1	—	—	0.75	1.3	1.8	—	—	—	—	—	—	—	—	—	—	
112M	3.3	4	2.2	2.8	1.5	2.4	1.3	1.8	—	—	1.1	2	2.4	0.65	2	2.4	0.85	1	1.5	—	—	—	—	
132S	4.5	5.5	3	4	2.2	3.3	1.8	2.4	—	—	1.8	2.6	3	1	2.6	3	1.1	1.5	1.8	—	—	—	—	
132M1	6.5	8	4	5.5	3	4.5	2.6	3.7	—	—	2.2	3.3	4	1.3	3.7	4.5	1.5	2	2.2	—	—	—	—	
132M2	6.5	8	4	5.5	3	4.5	2.6	3.7	—	—	2.6	4	5	1.3	3.7	4.5	1.8	2.6	3	—	—	—	—	
160M	9	11	6.5	8	5	7.5	4.5	6	2.6	5	3.7	5	6	2.2	5	6	3.3	4	5.5	—	—	—	—	
160L	11	14	6.5	8	7	11	6	8	3.7	7	4.5	7	9	2.8	7	9	4.5	6	7.5	—	—	—	—	
180M	15	18.5	11	14	—	—	7.5	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
180L	18.5	22	13	16	11	17	9	12	5.5	10	—	—	—	—	—	7	9	12	3.30	5.00	6.50	9.00		
200L1	26	30	18.5	22	14	22	12	17	7.5	13	—	—	—	—	—	10	13	17	4.50	7.00	8.00	11.00		
200L2	26	30	18.5	22	17	26	15	20	9	15	—	—	—	—	—	10	13	17	5.50	8.00	10.00	13.00		
225S	32	37	22	28	—	—	—	—	—	—	—	—	—	—	—	14	18.5	24	—	—	—	—		
225M	37	45	26	32	24	34	—	—	12	20	—	—	—	—	—	17	22	28	7.00	11.00	13.00	20.00		
250M	45	55	32	42	30	42	—	—	15	24	—	—	—	—	—	24	26	34	9.00	14.00	16.00	26.00		
280S	60	72	42	55	40	55	—	—	20	30	—	—	—	—	—	30	34	42	11.00	18.50	20.00	34.00		
280M	72	82	55	72	47	67	—	—	24	37	—	—	—	—	—	34	37	50	13.00	22.00	24.00	40.00		



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YB2-W,TH,WTH series explosion-proof three-phases asynchronous motors(H80-355)



YB2-W,TH,WTH series of motors, developed from YB3 series motors, are totally enclosed, self-cooled, squirrel-cage explosion-proof three-phase asynchronous ones for the use in out door light corrosive area(W type), in-door humid tropical area (TH type) and out-door humid tropical area (WTH) and for the light corrosive condition and factories with explosive gas mixture at the explosion-proof grade IIA, IIB and temperature grade T1-T4 group.

The properties of this series motors are up to the standard JB/T9596-1999, with the explosion-proof features are up to GB3836.1-2011. The explosion-proof types is divided into ExdII AT4 Gb and ExdII BT4 Gb.

The rated power, electrical features, synchronous speed and mounting dimensions of this series motors are all the same as YB3 series motors.

Technical data:

The protection grade: IP55, the terminal box at IP55.

The cooling system is IC411.

Rated voltage: 220V, 380V, 660V, 1140V, 220/380V, 380/660V, 660/1140V.

Frequency: 50Hz

Way of working: continuous S1.



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Environment condition for use

Environment Condition for Use

Item No.	Environment Parameter		Proof type of motors		
			YB2-W	YB2-TH	YB2-WTH
1	Air temperature(°C)	Highest in a year	40°C	40°C	40°C
		Lowest in a year	-20°C	-5°C	-100°C
2	Relative Humidity of Air(%)	High relative Humidity	100	95	100
		Highest relative humidity	—	95	—
3	Air Pressure(kPa)		90	90	90
4	Sun radiation(W/m ²)		1120	—	1120
5	Environment air movement(m/s)		30	35	35
6	Rainfall(mm/min)		6	6	6
7	Water except the rain		exist	—	exist
8	Condensation conditions		exist	exist	exist
9	Salty air		exist	—	exist
10	Icing, frosting conditions		exist	exist	exist
11	Thunderstorm		exist	frequently	frequently
12	Sand(mg/m ³)		300	—	300
13	Floating dust(mg/m ³)		5	—	5
14	Falling dust(mg/m ³)		500	—	500
15	Mildew		exist	exist	exist
16	Harmful animals		exist	exist	exist
17	Sulfur Dioxide(mg/m ³)		0.3	—	0.3
18	Hydrogen Sulfide(mg/m ³)		0.1	—	0.1
19	Chlorine(mg/m ³)		0.1	—	0.1
20	Hydrogen Chloride(mg/m ³)		0.1	—	0.1
21	Hydrogen fluoride(mg/m ³)		0.01	—	0.01
22	Ammonia(mg/m ³)		1	—	1
23	Nitrogen Oxide(mg/m ³)		0.5	—	0.5

YBF63-160 series explosion-proof three-phases asynchronous motors for blowers



This series of motors are up to the explosion-proof properties specified in GB3836.2-2010 explosive environment Part 2 equipment inside explosion-proof enclosure "d". Explosion-proof mark ExdI Mb is suitable for the equipment used in the coal mine containing methane (class I). ExdII AT4 Gb, ExdII BT4 Gb is suitable for the equipment used in the coal mine containing explosive gases (class II). Temperature group T1-T4 is applicable to the equipment used in the conditions where explosive gases are present.

The main hull of the motors is at the protection grade IP54, the terminal box at IP55.

The cooling system of the motors is IC411 by the circulating air from the blower to cool the motor.

Rated voltage: 380V, 660V, 380/660V, 660/1140V.

Frequency: 50Hz

Way of work: continuous S1

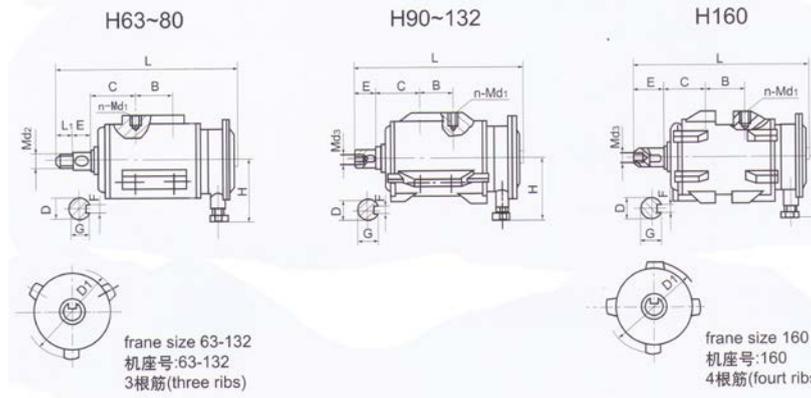
Comparison Table among frame size, RPM and power.

YBF63~160 Series Explosion-Proof Three-phase asynchronous motors for blowers

Frame Code	Power(KW)				Frame Code	Power(KW)			
	SPEED: 3000r/mi n	SPEED: 1500r/mi n	SPEED: 1000r/mi n	SPEED: 750r/min		SPEED: 3000r/mi n	SPEED: 1500r/mi n	SPEED: 1000r/mi n	SPEED: 750r/min
63-1	0.18	0.12	—	—	100L2	3	3	1.5	1.1
63-2	0.25	0.18	—	—	112M	4	4	2.2	1.5
71-1	0.37	0.25	0.18	—	132S1	5.5	5.5	3	2.2
71-2	0.55	0.37	0.25	—	132S2	7.5	5.5	3	2.2
80-1	0.75	0.55	0.37	0.18	132M1	—	7.5	4	3
80-2	1.1	0.75	0.55	0.25	132M2	—	7.5	5.5	3
90S	1.5	1.1	0.75	0.37	160M1	11	11	7.5	4
90L	2.2	1.5	1.1	0.55	160M2	15	11	7.5	5.5
100L1	3	2.2	1.5	0.75	160L	18.5	15	11	7.5

Overall and mounting schematic diagram & dimensions

机座无底脚，端盖无凸缘，机座有3或4根筋，借筋接触安装电动机。
Footless frame, flangeless cover, the frame with 3 or 4 sticks of ribs for motor erection



Mounting, Overall Dimensions and tolerance

Frame Code	No. of Poles	Overall Dimensions(mm)							Mounting dimensions and tolerance(mm)								
		L1	n-Md1	Md2	Md3	D1	L	H	E	C	B	D		F	G		
63	2,4	10	6-M8	M8		148	280	100	23±0.26	60±1.5	65±0.35	11	(-0.003,+0.008)	4	0-0.03	8.5	0-0.10
71	2,4	12	6-M8	M8		160	335	100	30±0.26	65±1.5	70±0.35	14	(-0.003,+0.008)	5	0-0.03	11	0-0.10
80	2,4,6	12	6-M8	M10		180	370	100	40±0.31	67±1.5	85±0.70	19	(-0.004,+0.009)	6	0-0.03	15.5	0-0.10
90S	2,4,6		6-M12		M6	210	395	100	50±0.31	76±1.5	86±0.70	24	(-0.004,+0.009)	8	0-0.036	20	0-0.20
90L	2,4,6		6-M12		M6	210	420	100	50±0.31	76±1.5	115±0.70	24	(-0.004,+0.009)	8	0-0.036	20	0-0.20
100L	2,4,6		6-M12		M6	225	470	110	60±0.37	76±1.5	130±0.70	28	(-0.004,+0.009)	8	0-0.036	24	0-0.20
112M	2,4,6		6-M12		M6	245	480	110	60±0.37	80±1.5	130±0.70	28	(-0.004,+0.009)	8	0-0.036	24	0-0.20
132S	2,4,6		6-M14		M6	290	500	110	80±0.37	100±0.20	130±0.70	38	(-0.002,+0.018)	10	0-0.036	33	0-0.20
132M	2,4,6		6-M14		M6	290	540	110	80±0.37	100±0.20	168±0.70	38	(-0.002,+0.018)	10	0-0.036	33	0-0.20
160M	2,4,6		8-M16		M8	350	655	110	110±0.43	120±0.20	200±1.05	42	(-0.002,+0.018)	12	0-0.036	37	0-0.20
160L	2,4,6		8-M16		M8	350	695	110	110±0.43	120±0.20	244±1.05	42	(-0.002,+0.018)	12	0-0.036	37	0-0.20



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YBF2-112 ~ 355 series explosion-proof three-phases asynchronous motors for blowers



This series of motors are from YB2 series flame-proof three-phase asynchronous motors. Explosion-proof mark ExdI Mb is suitable for the equipment used in the coal mine containing methane (class I). ExdII AT4 Gb, ExdII BT4 Gb is suitable for the equipment used in the coal mine containing explosive gases (class II). Temperature group T1-T4 is applicable to the equipment used in the conditions where explosive gases are present.

The main hull of the motors is at the protection grade IP55.

Cooling system: IC411

Frequency: 50Hz

The rated voltage: 380V, 660V, 380/660V, 660/1140V

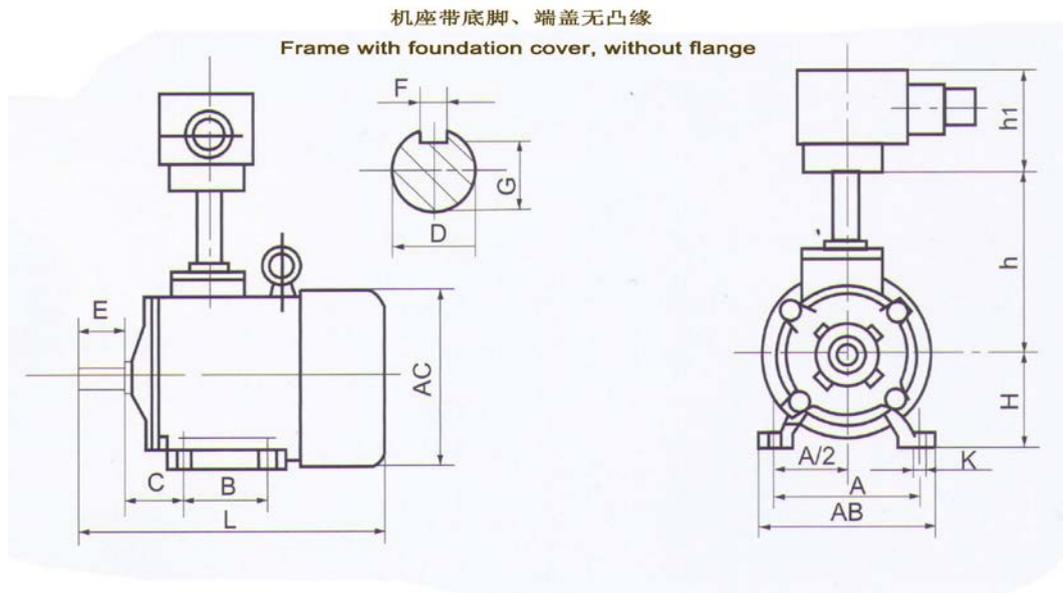
Way of working: continuous S1.

Comparison Table among frame size, RPM and power

YBF2-112~355 Series Explosion-Proof Three-phase asynchronous FAN motors

Frame Code	Power(KW)				Frame Code	Power(KW)				
	SPEED: 3000r/min	SPEED: 1500r/min	SPEED: 1000r/min	SPEED: 750r/min		SPEED: 3000r/min	SPEED: 1500r/min	SPEED: 1000r/min	SPEED: 750r/min	SPEED: 600r/min
112M	4	4	2	1.5	250M	55	55	37	30	
132S1	5.5	5.5	3	2.2	280S	75	75	45	37	
132S2	7.5	5.5	3	2.2	280M	90	90.00	55	45	
132M1		7.5	4	3	315S	110	110.00	75	55	45
132M2		7.5	5.5	3	315M	132	132.00	90	75	55
160M1	11	11	7.5	4	315L1	160	160.00	110	90	75
160M2	15	11	7.5	5.5	315L2	200	200.00	132	110	90
160L	18.5	15	11	7.5	355S1	185	185.00	160	132	90
180M	22	18.5			355S2	200	200.00	160	132	90
180L		22	15	11	355M1	220	220.00	185	160	110
200L1	30	30	18.5	15	355M2	250	250.0	200	160	132
200L2	37	30	22	15	355L1	280	280.0	220	185	160
225S		37		18.5	355L2	315	315.0	250	200	185
225M	45	45	30	22						

Overall and mounting schematic diagram & dimensions.





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Mounting and Overall Dimensions

Frame Code	No. of Poles	Overall Dimensions					Installment measurements(mm)										
		AB	AC	h	h1	L1	A	B	C	D	E	F	G	H	K	Entry wire	
112M	2,4,6	245	225	470	170	460	190	140	70	28	60	8	24	112	12	M42X2	
132S	2,4,6,8	280	230	530	170	510	216	140	89	38	80	10	33	132	12	M42X2	
132M	2,4,6,8	280	230	590	170	550	216	178	89	38	80	10	33	132	12	M42X2	
160M	2,4,6,8	330	320	710	170	655	254	210	108	42	110	12	37	160	15	M42X2	
160L	2,4,6,8	330	320	770	170	695	254	254	108	42	110	12	37	160	15	M42X2	
180M	2,4,6,8	355	360	810	170	730	279	241	121	48	110	14	42.5	180	15	M42X2	
180L	2,4,6,8	355	360	910	170	750	279	279	121	48	110	14	42.5	180	15	M42X2	
200L	2,4,6,8	390	400	985	250	805	318	305	133	55	110	16	49	200	19	M56X2	
225S	4,8	435	450	1020	250	845	356	286	149	60	140	18	53	225	19	M56X2	
225M	2	435	450	1080	250	840	356	311	149	55	110	16	49	225	19	M56X2	
225M	4,6,8	435	450	1080	250	870	356	311	149	60	140	18	53	225	19	M56X2	
250M	2	490	500		250	935	406	349	168	60	140	18	53	250	24	M56X2	
250M	4,6,8	490	500		250	935	406	349	168	65	140	18	58	250	24	M56X2	
280S	2	545	560		250	1010	457	368	190	65	140	18	58	280	24	M68X2	
280S	4,6,8	545	560		250	1010	457	368	190	75	140	20	67.5	280	24	M68X2	
280M	2	545	560		250	1060	457	419	190	65	140	18	58	280	24	M68X2	
280M	4,6,8	545	560		250	1060	457	419	190	75	140	20	67.5	280	24	M68X2	
315S	2	640	630		430	1240	508	406	216	65	140	18	58	315	28	M68X2	
315S	4,6,8,10	640	630		430	1270	508	406	216	80	170	22	71	315	28	M68X2	
315M	2	640	630		430	1320	508	457	216	65	140	18	58	315	28	M68X2	
315M	4,6,8,10	640	630		430	1350	508	457	216	80	170	22	71	315	28	M68X2	
315L	2	640	630		430	1320	508	508	216	65	140	18	58	315	28	M68X2	
315L	4,6,8,10	640	630		430	1350	508	508	216	80	170	22	71	315	28	M68X2	
355S	2	740	750		430	1500	610	500	254	75	140	20	67.5	355	28	M68X2	
355S	4,6,8,10	740	750		430	1500	610	500	254	95	170	25	86	355	28	M68X2	
355M	2	740	750		430	1560	610	560	254	75	140	20	67.5	355	28	M68X2	
355M	4,6,8,10	740	750		430	1560	610	560	254	95	170	25	86	355	28	M68X2	
355L	2	740	750		430	1680	610	630	254	75	140	20	67.5	355	28	M68X2	
355L	4,6,8,10	740	750		430	1680	610	630	254	95	170	25	86	355	28	M68X2	



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YBSO63~80 series flame-proof three-phases asynchronous motors



This series of motors made by explosion-proof type are up to the National standard GB3836.2-2010<<Explosive environment general equipment inside explosion-proof enclosure "d">>. Explosion-proof mark ExdI Mb is suitable for the equipments used in the coal mine containing methane (class I). ExdII AT4 Gb and ExdII BT4 Gb are suitable for the equipments used in the coal mine containing explosive gases (class II). Temperature group T1-T4 is applicable to the equipment used in the conditions where explosive gases (class II) are present.

The main enclosure of the motor is at the protection grade IP54, the terminal box is at IP55.

Cooling system: IC411

Rated voltage: 380V

Frequency: 50Hz

Way of working: continuous S1

Installation type: B3,B34,B14,B5

Technical data:

YBSO63~80 Series Explosion-Proof Three-phase asynchronous Motors

Motor Code	Power (W)	Rated Current (A)	Rated voltage (V)	Rated Frequency (Hz)	Speed (r/min)	Efficiency (%)	Powder factor(cosΦ)	Lock Torque/ Rated torque	Locked rotor current / Rated current	Maximum torque/ Rated torque
6312	180	0.53	380	50	2800	69.0	0.75	2.3	6	2.4
6322	250	0.67	380	50	2800	72.0	0.78	2.3	6	2.4
7112	370	0.95	380	50	2800	73.5	0.80	2.3	6	2.4
7122	550	1.35	380	50	2800	75.5	0.82	2.3	6	2.4
6314	120	0.48	380	50	1400	60.0	0.63	2.4	6	2.4
6324	180	0.65	380	50	1400	64.0	0.66	2.4	6	2.4
7114	250	0.83	380	50	1400	67.0	0.68	2.4	6	2.4
7124	370	1.12	380	50	1400	69.5	0.72	2.4	6	2.4
7134	550	1.60	380	50	1400	70.2	0.75	2.4	6	2.4
7116	180	0.75	380	50	960	64.0	0.65	2.4	6	2.4
7126	250	1.0	380	50	960	66.0	0.67	2.4	6	2.4
8016	370	1.2	380	50	960	67.0	0.68	2.4	6	2.4
8026	550	1.5	380	50	960	70.0	0.74	2.4	6	2.4



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YBJ series explosion-proof three-phases asynchronous motors for coal mine winches.



YBJ explosion-proof three-phase asynchronous motors are up to the standard GB3836.2-2010 Part 2 equipment inside explosion-proof enclosure "d". Explosion-proof mark ExdI Mb is suitable for the equipments used in the coal mine containing methane, as ascension and heavy machinery and equipments of traction power with the drive.

Technical data:

Insulation class: F

Protection grade: IP55

Rated voltage: 380/660V, 660/1140V

Frequency: 50Hz

Synchronous speed: 1500 r/min

Way of working: continuous S1.

Overall and mounting schematic diagram & dimensions.

YBS(DSB) series explosion-proof three-phase asynchronous motors for conveyor



This series of motors are suitable for using together with the scraper conveyor, belt conveyor, loading machine and fragmentate machine. The performance of the safety of the motors is confirming to the standard of GB3836.2-2010<<Electric equipment for using in the explosive gas environment general equipment>>. The explosion-proof mark is "ExdI Mb".

Main technical data:

Rated voltage: 380/660V,660/1140V

Rated frequency: 50Hz

Application scope: 4-125kW

Protection class: IP54, Junction box is IP55.

Insulation class: F or H

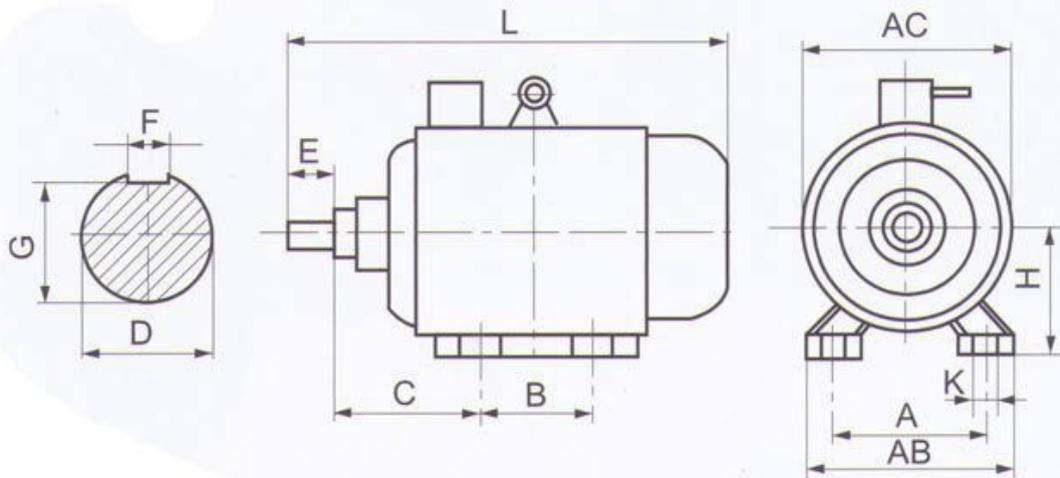
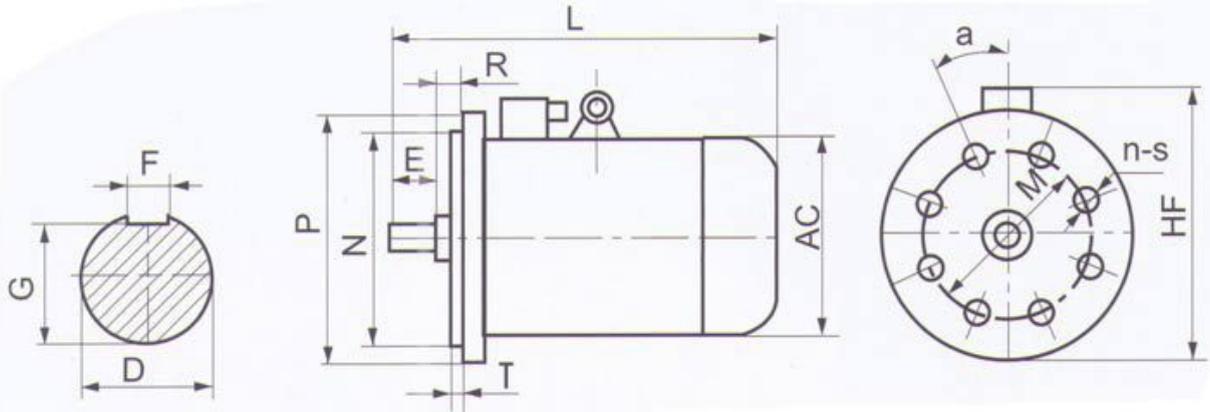
Mounting arrangement: IMB3, IMB5, IMB10.

Performance Indicator & Technical data of rated electricity.

YBS(DSB) Series Explosion-Proof Three phase asynchronous Motors for conveyor

Motor Code	Power(KW)	Efficiency (%)	Power factor(cosΦ)	Lock Torque/ Rated torque	Locked rotor current / Rated current	Maximum torque/ Rated torque	Minimum torque/ Rated torque	Noise dB(A)	Vibration(mm/s)
YBS4.4	4	84.5	0.82	2.5	6.5	2.3	1.8	77	1.8
YBS5.5-4	5.5	85.0	0.82	2.5	6.5	2.3	1.8	77	1.8
YBS7.5-4	7.5	86.0	0.82	2.5	6.5	2.3	1.8	78	1.8
YBS10-4	10	87.0	0.82	2.5	6.5	2.3	1.8	78	1.8
YBS11-4	11	87.0	0.83	2.5	6.5	2.3	1.8	78	1.8
YBS17-4	17	88.0	0.84	2.5	6.5	2.3	1.8	82	1.8
YBS22-4	22	89.5	0.85	2.5	6.5	2.3	1.8	82	2.8
YBS30-4	30	90.5	0.85	2.5	6.5	2.3	1.8	84	2.8
YBS40-4	40	91.0	0.86	2.5	6.5	2.3	1.8	88	2.8
YBS55-4	55	92.0	0.86	2.5	6.5	2.3	1.8	88	2.8
YBS75-4	75	92.5	0.87	2.3	6.0	2.2	1.8	92	2.8
YBS90-4	90	92.5	0.87	2.3	6.0	2.2	1.8	92	2.8
YBS100-4	100	93.0	0.87	2.3	6.0	2.2	1.8	92	2.8
YBS110-4	110	93.0	0.87	2.3	6.0	2.2	1.8	97	2.8
YBS125-4	125	93.0	0.87	2.3	6.0	2.2	1.8	97	2.8
YBS132-4	132	93.0	0.87	2.3	6.0	2.2	1.8	97	2.8
YBS160-4	160	93.0	0.87	2.3	6.0	2.2	1.8	101	2.8
YBS200-4	200	93.5	0.88	2.3	6.0	2.2	1.8	101	2.8
YBS250-4	250	93.5	0.88	2.3	6.0	2.2	1.8	101	2.8
YBS315-4	315	94.0	0.84	2.3	6.0	2.2	1.8	101	2.8

Overall and mounting schematic diagram & dimensions



Mounting and Overall Dimensions (Frame with foundation, cover without flange)

Frame Code	Overall dimensions(mm)			Installment measurements(mm)								
	AB	AC	L	A	B	C	D	E	F	G	H	K
YBS17.4	350	453	752	279	241	121	42	110	12	36.8	180	4-Φ15
YBS22.4	330	453	789	260	400	162	48	75	14	42.2	170	4-Φ16
YBS30.4	330	520	840	356	311	149	48	110	14	42.2	255	4-Φ19
YBS40.4	488	488	935	356	311	149	60	140	18	53	250	4-Φ25
YBS55.4	488	488	965	406	349	168	60	140	18	53	250	4-Φ25



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Mounting and Overall Dimensions (Frame with foundation, cover flange)

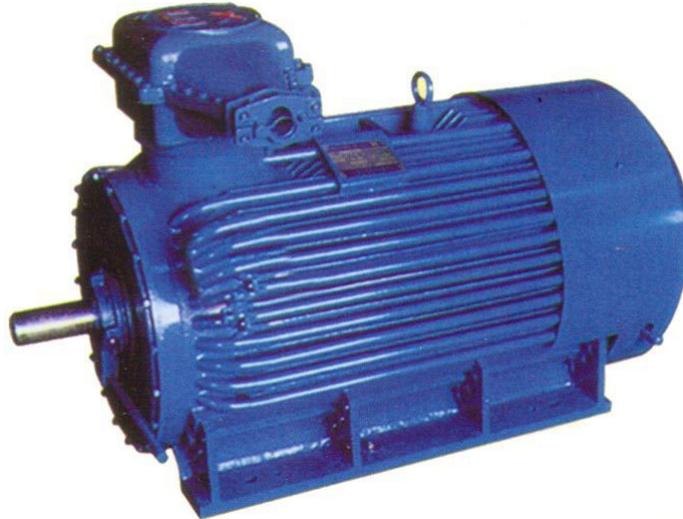
Frame Code	Dimensions of Motor(mm)				Installment measurement(mm)											
	a	AC	HF	L	D	E	F	G	M	N	P	R	S	T	n	
YBS4-4	30°	264	478	597	32	80	10	26.8	300	250	350	8	Φ19	5	6	
YBS5.5-4	30°	264	478	597	32	80	10	26.8	300	250	350	8	Φ19	5	6	
YBS7.5-4	45°	320	545	663	38	80	12	32.8	300	250	350	0	Φ19	5	4	
YBS10-4	45°	320	545	663	38	80	12	32.8	300	250	350	0	Φ19	5	4	
YBS11-4	45°	320	505	673	45	90	14	39.5	350	295	400	28	Φ19	5	4	
YBS17-4	45°	356	570	760	45	90	14	39.5	350	295	400	19	Φ19	5	4	
YBS22-4	22.5°	423	630	770	48	110	14	42.5	450	400	500	8	Φ19	5	8	
YBS30-4	22.5°	423	630	821	48	110	14	42.5	450	400	500	8	Φ19	5	8	
YBS30-4A	22.5°	423	630	825	48	110	14	42.5	400	350	450	8	Φ19	5	8	
YBS40-4	22.5°	458	740	900	55	110	16	50	500	450	545	8	Φ18	5	8	
YBS55-4	22.5°	492	767.5	975	55	120	16	50	500	450	545	8	Φ18	5	8	
YBS75-4	22.5°	523	734	1116	60	110	18	54.5	460	390	510	8	Φ18	5	8	
YBS90-4	22.5°	560	739	1200	75	140	20	67	500	450	550	0	Φ18	5	8	
YBS100-4	22.5°	560	814	1320	80	170	24	71	550	500	600	8	Φ24	6	8	
YBS110-4	22.5°	560	841	1250	80	170	22	71	600	550	640	0	Φ24	6	8	
YBS125-4	22.5°	560	814	1320	80	170	24	71	550	500	600	8	Φ24	6	8	
YBS75-4A	22.5°	560	834	1045	75	140	20	67.5	600	550	640	-25	Φ22	6	8	
YBS132-4	22.5°	593		1180	80	170	22	71	600	550	660	0	Φ24	6	8	
YBS160-4	22.5°	593		1290	90	170	25	81	740	680	800	0	Φ24	6	8	
YBS200-4	22.5°				100	210	28	90	740	680	800	0	Φ24	6	8	
YBS250-4	22.5°				100	210	28	90	740	680	800	0	Φ24	6	8	
YBS315-4	36°				110	210	28	100	940	880	1000	0	Φ24	6	10	



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YB2-400~450 series explosion-safe three-phase asynchronous electric motors



This series of explosion-safe three-phase asynchronous motor are working by fan-cooled with inn-circulated ventilation. It features high efficiency, superior performance and rational structure of explosion-safe. The performance of the safety of the products is confirming to the standard of GB3836-2010<<explosive environment Part 2 equipment inside explosion-proof enclosure "d">>. The "ExdI Mb" or "ExdII BT4 Gb" types in this series of products are according to the equipment of application. Explosion-proof mark ExdI Mb is suitable for the equipments used in the coal mine containing methane(class I). ExdII AT4 Gb, ExdII BT4 Gb is suitable for the equipment used in the coal mine containing explosive gases(class II).

Main Technical data:

Rated voltage:3000V, 3300V,6000V,10000V

Rated Frequency: 50Hz

Protection class: IP55, IP44

Application scope: 160kW~500kW

Insulation class: F

Installation type: B3



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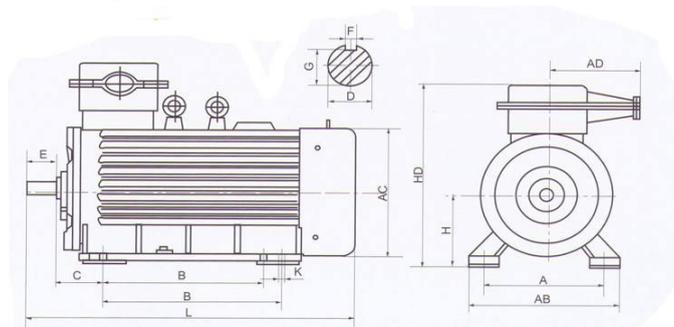
e-mail: info@interpts.ru сайт: www.interpts.ru

Performance indicator and Technical data of rated electricity

YB2-400~450 Series explosion-proof three-phase asynchronous electric motors

Frame Code	Power (KW)	Rated Current (A)	Speed (r/min)	Efficiency (%)	Power factor(cosΦ)	Lock Torque/ Rated torque	Locked rotor current / Rated current	Maximum torque/ Rated torque	Noise dB(A)	Vibration (mm/s)	Flywheel moment(Kg.m)	Weight (Kg)
YB2-400S1-2	200	24.0	2985	93.0	0.86	10	7.0	2.3	109	4.5	19	2100
YB2-400S2-2	220	26.5	2985	93.0	0.86	10	7.0	2.3	109	4.5	19	2100
YB2-400M1-2	250	30.1	2985	93.0	0.86	10	7.0	2.3	111	4.5	20	2450
YB2-400M2-2	280	33.7	2985	93.0	0.86	10	7.0	2.3	111	4.5	23	2510
YB2-450S1-2	315	37.1	2985	94.0	0.87	10	6.5	2.3	111	2.8	25	2700
YB2-450S2-2	355	41.8	2985	94.0	0.87	10	6.5	2.3	111	2.8	26	2810
YB2-450S3-2	400	47.1	2985	94.0	0.87	10	6.5	2.3	111	2.8	27	2950
YB2-450M1-2	450	52.9	2985	94.0	0.87	10	6.5	2.3	111	2.8	30	3150
YB2-450M2-2	500	58.8	2985	94.0	0.87	10	6.5	2.3	111	2.8	35	3280
YB2-400S1-4	200	24.0	1488	93.0	0.86	12	7.0	2.1	106	4.5	30	2100
YB2-400S2-4	220	26.5	1488	93.0	0.86	12	7.0	2.1	106	4.5	33	2100
YB2-400M1-4	250	30.1	1488	93.0	0.86	12	7.0	2.1	108	4.5	38	2450
YB2-400M2-4	280	33.7	1488	93.0	0.86	12	7.0	2.1	108	4.5	42	2510
YB2-450S1-4	315	37.1	1488	94.0	0.87	12	6.5	2	108	2.8	56	2750
YB2-450S2-4	355	41.8	1488	94.0	0.87	12	6.5	2	108	2.8	59	2850
YB2-450S3-4	400	47.1	1488	94.0	0.87	12	6.5	2	108	2.8	70	3000
YB2-450M1-4	450	52.9	1488	94.0	0.87	12	6.5	2	108	2.8	75	3250
YB2-450M2-4	500	58.8	1488	94.0	0.87	12	6.5	2	108	2.8	80	3350
YB2-400S1-6	160	19.8	987	92.5	0.84	1	6.5	2	103	4.5	—	3100
YB2-400S2-6	185	22.9	987	92.5	0.84	1	6.5	2	103	4.5	—	3100
YB2-400M1-6	200	24.8	987	92.5	0.84	1	6.5	2	103	4.5	—	3250
YB2-400M2-6	220	27.3	987	92.5	0.84	1	6.5	2	103	4.5	—	3280
YB2-450S1-6	250	31.0	987	92.5	0.84	1	6.0	2	105	2.8	—	—
YB2-450S2-6	280	34.7	987	92.5	0.84	1	6.0	2	105	2.8	—	—
YB2-450S3-6	315	39.1	987	92.5	0.84	1	6.0	2	105	2.8	—	—
YB2-450M1-6	355	44.0	987	92.5	0.84	1	6.0	2	105	2.8	—	—
YB2-450M2-6	400	49.6	987	92.5	0.84	1	6.0	2	105	2.8	—	—
YB2-400M1-8	160	20.0	742	92.5	0.83	1	6.0	2	99	4.5	—	3200
YB2-400M2-8	185	23.2	742	92.5	0.83	1	6.0	2	99	4.5	—	3280
YB2-450S1-8	200	25.1	742	92.5	0.83	1	6.0	2	99	2.8	—	—
YB2-450S2-8	220	27.6	742	92.5	0.83	1	6.0	2	99	2.8	—	—
YB2-450S3-8	250	31.4	742	92.5	0.83	1	6.0	2	101	2.8	—	—
YB2-450M1-8	280	35.1	742	92.5	0.83	1	6.0	2	101	2.8	—	—
YB2-450M2-8	315	39.5	742	92.5	0.83	1	6.0	2	101	2.8	—	—
YB2-450S1-10	160	20.6	592	92.0	0.81	1	5.5	1.8	99	2.8	—	—
YB2-450S2-10	185	23.9	592	92.0	0.81	1	5.5	1.8	99	2.8	—	—
YB2-450S3-10	200	25.8	592	92.0	0.81	1	5.5	1.8	99	2.8	—	—
YB2-450M1-10	220	28.4	592	92.0	0.81	1	5.5	1.8	99	2.8	—	—
YB2-450M2-10	250	32.3	592	92.0	0.81	1	5.5	1.8	99	2.8	—	—

Overall and mounting schematic diagram & dimensions



YB2-400~450 Mounting and Overall Dimensions

Frame Code	Overall dimensions(mm)					Installment measurements and tolerance(mm)									
	AB	AC	AD	HD	L	A	B	C	D	E	F	G	H	K	
400S-2	850	850	560	1160	1900	686	900	280±4	75	140±0.5	20	67.5	400	35	Φ 25(M)
400S-4~8	850	850	560	1160	1900	686	900	280±4	90	170±0.5	25	81	400	35	Φ 25(M)
400M-2	850	850	560	1160	2000	686	1000	280±4	75	140±0.5	20	67.5	400	35	Φ 25(M)
400M-4~8	850	850	560	1160	2000	686	1000	280±4	90	170±0.5	25	81	400	35	Φ 25(M)
450S-2	900	960	560	1260	2150	750	900	315±4	85	170±0.5	22	76	450	35	Φ 25(M)
450S-4~10	900	960	560	1260	2150	750	900	315±4	100	210±0.57	28	90	450	35	Φ 25(M)
450M-2	900	960	560	1260	2270	750	1000	315±4	85	170±0.5	22	76	450	35	Φ 25(M)
450M-4~10	900	960	560	1260	2270	750	1000	315±4	100	210±0.57	28	90	450	35	Φ 25(M)



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YB2-560~800 series explosion-safe three-phase asynchronous electric motors



Series YB2-560 ~ 800 high voltage flame-proof three-phase induction motors are working by fan-cooled with inn-circulated ventilation and with axial cooled-pipes around frame. This series motors have many remarkable features such as compact construction, light weight, excellent performance, little vibration, low noise, safe and reliable operation and easy maintenance etc. The performance to the standard of GB3836<<Electric equipment for using in the explosive environment general equipment>>. Explosion-proof mark ExdI Mb is suitable for the equipment used in the coal mine containing methane(class I). ExdII AT4 Gb, ExdII BT4 Gb is suitable for the equipment used in the coal mine containing explosive gases(class II). This series products are according to the equipment of the application. They are safe to use in the locations where there are explosive gas mixtures and can be used to drive ventilators, water pumps and compressors etc.

Main technical data:

Rated voltage:3300V,6000V,10000V

Rated frequency:50Hz

Protection class:IP44, IP54

Application scope: 315kW-1800kW

Insulation class: F

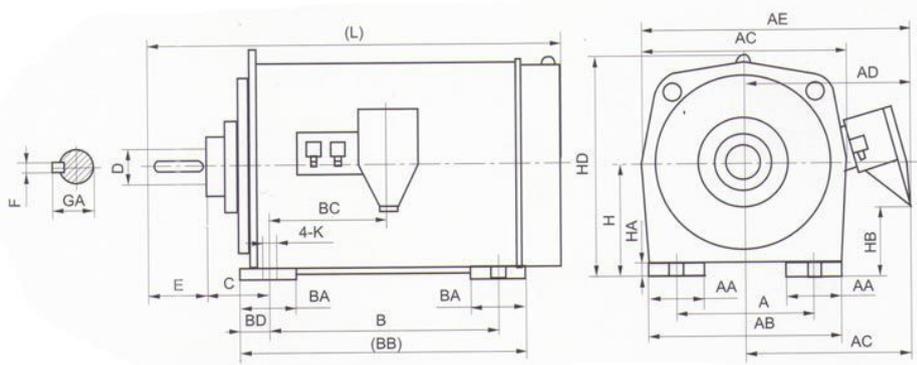
Installation type: IMB3.

Performance Indicator & Technical data of rated electricity

YB2-560~800 系列高压隔爆型三相异步电动机

电机型号	功率 (kW)	电流 (A)	转速 (r/min)	效率 (%)	功率因数 (cosφ)	堵转转矩/额定转矩	堵转电流/额定电流	最大转矩/额定转矩	噪声 dB(A)	振动 (mm/s)	电机型号	功率 (kW)	电流 (A)	转速 (r/min)	效率 (%)	功率因数 (cosφ)	堵转转矩/额定转矩	堵转电流/额定电流	最大转矩/额定转矩	噪声 dB(A)	振动 (mm/s)
YB2-560S1-2	500	56.9	2988	95.0	0.89	0.75	6.0	2.2	111	2.8	YB2-630M1-8	630	76.9	743	95.0	0.83	0.90	5.5	2.2	105	2.8
YB2-560S2-2	560	63.7	2988	95.0	0.89	0.75	6.0	2.2	112	2.8	YB2-630M2-8	710	86.2	743	95.5	0.83	0.90	5.5	2.2	105	2.8
YB2-560M1-2	630	71.3	2988	95.5	0.89	0.75	6.0	2.2	112	2.8	YB2-710S1-8	800	97.1	743	95.5	0.83	0.80	5.5	2.2	105	2.8
YB2-560M2-2	710	80.4	2988	95.5	0.89	0.75	6.0	2.2	112	2.8	YB2-710S2-8	900	109.3	743	95.5	0.83	0.80	5.5	2.2	105	2.8
YB2-630S1-2	800	90.6	2988	95.5	0.89	0.75	6.5	2.2	112	2.8	YB2-710M1-8	1000	121.4	743	95.5	0.83	0.80	5.5	2.2	105	2.8
YB2-630S2-2	900	102.0	2988	95.5	0.89	0.75	6.5	2.2	112	2.8	YB2-710M2-8	1120	135.3	743	96.0	0.83	0.80	5.5	2.2	107	2.8
YB2-630M1-2	1000	112.6	2988	96.0	0.89	0.75	6.5	2.2	112	2.8	YB2-630S1-10	250	33.2	594	93.0	0.78	0.80	1.8	5.5	101	2.8
YB2-630M2-2	1120	126.1	2988	96.0	0.89	0.75	6.5	2.2	113	2.8	YB2-630S2-10	280	37.1	594	93.0	0.78	0.80	1.8	5.5	101	2.8
YB2-710S1-2	1250	139.2	2988	96.0	0.90	0.70	6.0	2.2	113	2.8	YB2-630M1-10	315	41.6	594	93.4	0.78	0.80	1.8	5.5	101	2.8
YB2-710S2-2	1400	156.0	2988	96.0	0.90	0.70	6.0	2.2	113	2.8	YB2-630M2-10	355	46.9	594	93.4	0.78	0.80	1.8	5.5	101	2.8
YB2-710M1-2	1600	177.3	2988	96.5	0.90	0.70	6.0	2.2	113	2.8	YB2-710S1-10	400	52.2	594	93.4	0.79	0.80	1.8	5.5	102	2.8
YB2-710M2-2	1800	199.4	2988	96.5	0.90	0.70	6.0	2.2	113	2.8	YB2-710S2-10	450	58.6	594	93.5	0.79	0.80	1.8	5.5	102	2.8
YB2-560S1-4	500	59.6	1490	95.0	0.85	0.90	6.0	2.2	108	2.8	YB2-710M1-10	500	64.8	594	94.0	0.79	0.80	1.8	5.5	102	2.8
YB2-560S2-4	560	66.7	1490	95.0	0.85	0.90	6.0	2.2	111	2.8	YB2-710M2-10	560	72.6	594	94.0	0.79	0.80	1.8	5.5	102	2.8
YB2-560M1-4	630	74.7	1490	95.5	0.85	0.90	6.0	2.2	111	2.8	YB2-800S1-10	630	79.6	594	94.0	0.81	0.80	1.8	5.5	103	2.8
YB2-560M2-4	710	84.2	1490	95.5	0.85	0.90	6.0	2.2	111	2.8	YB2-800S2-10	710	89.5	594	94.2	0.81	0.80	1.8	5.5	103	2.8
YB2-630S1-4	800	93.7	1490	95.5	0.86	0.90	6.5	2.2	111	2.8	YB2-800M1-10	800	100.6	594	94.5	0.81	0.80	1.8	5.5	103	2.8
YB2-630S2-4	900	105.4	1490	95.5	0.86	0.90	6.5	2.2	111	2.8	YB2-800M2-10	900	113.1	594	94.5	0.81	0.80	1.8	5.5	103	2.8
YB2-630M1-4	1000	116.6	1490	96.0	0.86	0.90	6.5	2.2	111	2.8	YB2-630S1-12	200	28.5	494	92.5	0.73	0.80	1.8	5	99	2.8
YB2-630M2-4	1120	130.5	1490	96.0	0.86	0.90	6.5	2.2	113	2.8	YB2-630S2-12	220	31.4	494	92.5	0.73	0.80	1.8	5	99	2.8
YB2-710S1-4	1250	142.4	1490	96.0	0.88	0.80	6.0	2.2	113	2.8	YB2-630M1-12	250	35.6	494	92.5	0.73	0.80	1.8	5	99	2.8
YB2-710S2-4	1400	159.5	1490	96.0	0.88	0.80	6.0	2.2	113	2.8	YB2-630M2-12	280	39.8	494	92.7	0.73	0.80	1.8	5	99	2.8
YB2-710M1-4	1600	181.3	1490	96.5	0.88	0.80	6.0	2.2	113	2.8	YB2-710S1-12	315	43.4	494	93.2	0.75	0.80	1.8	5	100	2.8
YB2-710M2-4	1800	204.6	1490	96.5	0.88	0.80	6.0	2.2	113	2.8	YB2-710S2-12	355	48.8	494	93.4	0.75	0.80	1.8	5	100	2.8
YB2-560S1-6	400	49.7	990	94.5	0.82	0.90	5.5	2.2	105	2.8	YB2-710M1-12	400	54.8	494	93.6	0.75	0.80	1.8	5	100	2.8
YB2-560S2-6	450	55.6	990	94.5	0.82	0.90	5.5	2.2	105	2.8	YB2-710M2-12	450	61.6	494	93.8	0.75	0.80	1.8	5	100	2.8
YB2-560M1-6	500	61.8	990	95.0	0.82	0.90	5.5	2.2	105	2.8	YB2-800S1-12	500	67.4	494	94.0	0.76	0.80	1.8	5	101	2.8
YB2-560M2-6	560	69.2	990	95.0	0.82	0.90	5.5	2.2	108	2.8	YB2-800S2-12	560	75.3	494	94.2	0.76	0.80	1.8	5	101	2.8
YB2-630S1-6	630	76.0	990	95.0	0.84	0.90	5.5	2.2	108	2.8	YB2-800M1-12	630	84.7	494	94.2	0.76	0.80	1.8	5	101	2.8
YB2-630S2-6	710	85.6	990	95.0	0.84	0.90	5.5	2.2	108	2.8	YB2-800M2-12	710	95.1	494	94.5	0.76	0.80	1.8	5	101	2.8
YB2-630M1-6	800	96.0	990	95.5	0.84	0.90	5.5	2.2	108	2.8	YB2-630S1-14	160	25.2	423	91.2	0.67	0.80	1.8	5	98	2.8
YB2-630M2-6	900	108.0	990	95.5	0.84	0.90	5.5	2.2	108	2.8	YB2-630S2-14	185	29.1	423	91.2	0.67	0.80	1.8	5	98	2.8
YB2-710S1-6	1000	117.9	990	96.0	0.85	0.80	5.5	2.2	108	2.8	YB2-630M1-14	200	31.4	423	91.5	0.67	0.80	1.8	5	98	2.8
YB2-710S2-6	1120	132.0	990	96.0	0.85	0.80	5.5	2.2	110	2.8	YB2-630M2-14	220	34.5	423	91.5	0.67	0.80	1.8	5	98	2.8
YB2-710M1-6	1250	147.4	990	96.0	0.85	0.80	5.5	2.2	110	2.8	YB2-710S1-14	250	38.0	423	91.7	0.69	0.80	1.8	5	99	2.8
YB2-710M2-6	1400	164.2	990	96.5	0.85	0.80	5.5	2.2	110	2.8	YB2-710S2-14	280	42.4	423	92.0	0.69	0.80	1.8	5	99	2.8
YB2-560S1-8	315	39.3	743	94.0	0.82	0.90	5.5	2.2	102	2.8	YB2-710M1-14	315	47.8	423	92.0	0.69	0.80	1.8	5	99	2.8
YB2-560S2-8	355	44.3	743	94.0	0.82	0.90	5.5	2.2	102	2.8	YB2-710M2-14	355	52.5	423	92.5	0.69	0.80	1.8	5	99	2.8
YB2-560M1-8	400	49.7	743	94.5	0.82	0.90	5.5	2.2	102	2.8	YB2-800S1-14	400	58.6	423	92.5	0.71	0.80	1.8	5	100	2.8
YB2-560M2-8	450	55.9	743	94.5	0.82	0.90	5.5	2.2	102	2.8	YB2-800S2-14	450	65.9	423	92.5	0.71	0.80	1.8	5	100	2.8
YB2-630S1-8	500	61.8	743	95.0	0.82	0.90	5.5	2.2	102	2.8	YB2-800M1-14	500	72.9	423	93.2	0.71	0.80	1.8	5	100	2.8
YB2-630S2-8	560	68.3	743	95.0	0.83	0.90	5.5	2.2	105	2.8	YB2-800M2-14	560	81.4	423	93.2	0.71	0.80	1.8	5	100	2.8

Overall and mounting schematic diagram & dimensions.





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Mounting and Overall Dimensions

Frame Code	Dimensions of Motor(mm)												Installment measurement(mm)								
	AA	AB	AD	BB	BC	BD	GD	HA	HB	HD	L	AG	A	B	C	D	E	F	G	H	K
560S-2	200	1180	1000	1510	355	195	14	38	170	1160	2200	925	950	1120	280	85	170	22	76	560	42
560S-4~14	200	1180	1000	1510	355	195	16	38	170	1160	2150	925	950	1120	280	110	210	28	100	560	42
560M-2	200	1180	1000	1610	405	195	14	38	170	1160	2300	925	950	1250	280	85	170	22	76	560	42
560M-4~14	200	1180	1000	1610	355	195	16	38	170	1160	2250	925	950	1250	280	110	210	28	100	560	42
630S-2	225	1280	1060	1610	185	185	14	39	240	1300	2350	985	1120	1250	280	95	170	25	86	630	42
630S-4	225	1280	1060	1610	185	185	18	40	240	1300	2350	985	1120	1250	280	120	210	32	109	630	42
630S-6~16	225	1280	1060	1610	185	185	18	40	240	1300	2350	985	1120	1250	280	130	250	32	119	630	42
630M-2	225	1280	1060	1710	185	185	14	39	240	1300	2450	985	1120	1400	280	95	170	25	86	630	42
630M-4	225	1280	1060	1710	185	185	18	40	240	1300	2450	985	1120	1400	280	120	210	32	109	630	42
630M-6~18	225	1280	1060	1710	185	185	18	40	240	1300	2450	985	1120	1400	280	130	250	32	119	630	42
710S-4	225	1400	1200	1750	160	220	20	40	500	1500	2500	1130	1180	1250	355	140	250	36	128	710	48
710S-6~18	225	1400	1200	1750	160	220	20	40	500	1500	2500	1130	1180	1250	355	150	250	36	138	710	48
710M-4	225	1400	1200	1850	160	220	20	40	500	1500	2600	1130	1180	1400	355	140	250	36	128	710	48
710M-6~20	225	1400	1200	1850	160	220	20	40	500	1500	2600	1130	1180	1400	355	150	250	36	138	710	48
800S-4~20	350	1750	1350	2000	550	200	22	50	225	1750	3200	1130	1500	1600	355	160	300	40	147	800	48
800M-4~20	350	1750	1350	2000	550	200	22	50	225	1750	3200	1130	1500	1600	355	160	300	40	147	800	48
900S-6~20	360	1560	1395	2000	90	260	25	50	240	1830	3435	1235	1400	1600	530	200	350	45	185	900	56
900M-6~20	360	1560	1395	2000	90	260	25	50	240	1830	3435	1235	1400	1600	530	200	350	45	185	900	56