



TAIZHOU

ETERNAL HYDRAULIC



2020413



2020412



2020410



2020411



YE2 SERIES

YE2系列三相异步电动机
YE2 SERIES THREE-PHASE INDUCTION MOTOR



P01

YS SERIES

YS系列铝壳三相异步电动机
YS Series Aluminum Shell Three-phase Asynchronous Motor



P05

MS SERIES

MS系列铝壳三相异步电动机
MS Series Aluminum Shell Three-phase Asynchronous Motor



P08

YL SERIES

YL系列单相双值电容异步电动机
YL SERIES SINGLE PHASE DUAL CAPACITORS INDUCTION MOTOR



P12

ML SERIES

ML系列铝壳单相双值电容异步电动机
ML SERIES ALUMINUM SHELL SINGLE-PHASE DUAL-VALUE CAPACITANCE ASYNCHRONOUS MOTOR



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YL SERIES

(闽东式)系列单相双值电容异步电动机
YL Series Fujian East Type Dual-Value Capacitance Asynchronous Motor Series



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YC SERIES

单相电容起动异步电动机
YC Series Single-phase capacitor starting asynchronous motor



P17

JW SERIES

JW系列分马力异步电动机
JW series fractional horsepower asynchronous motor



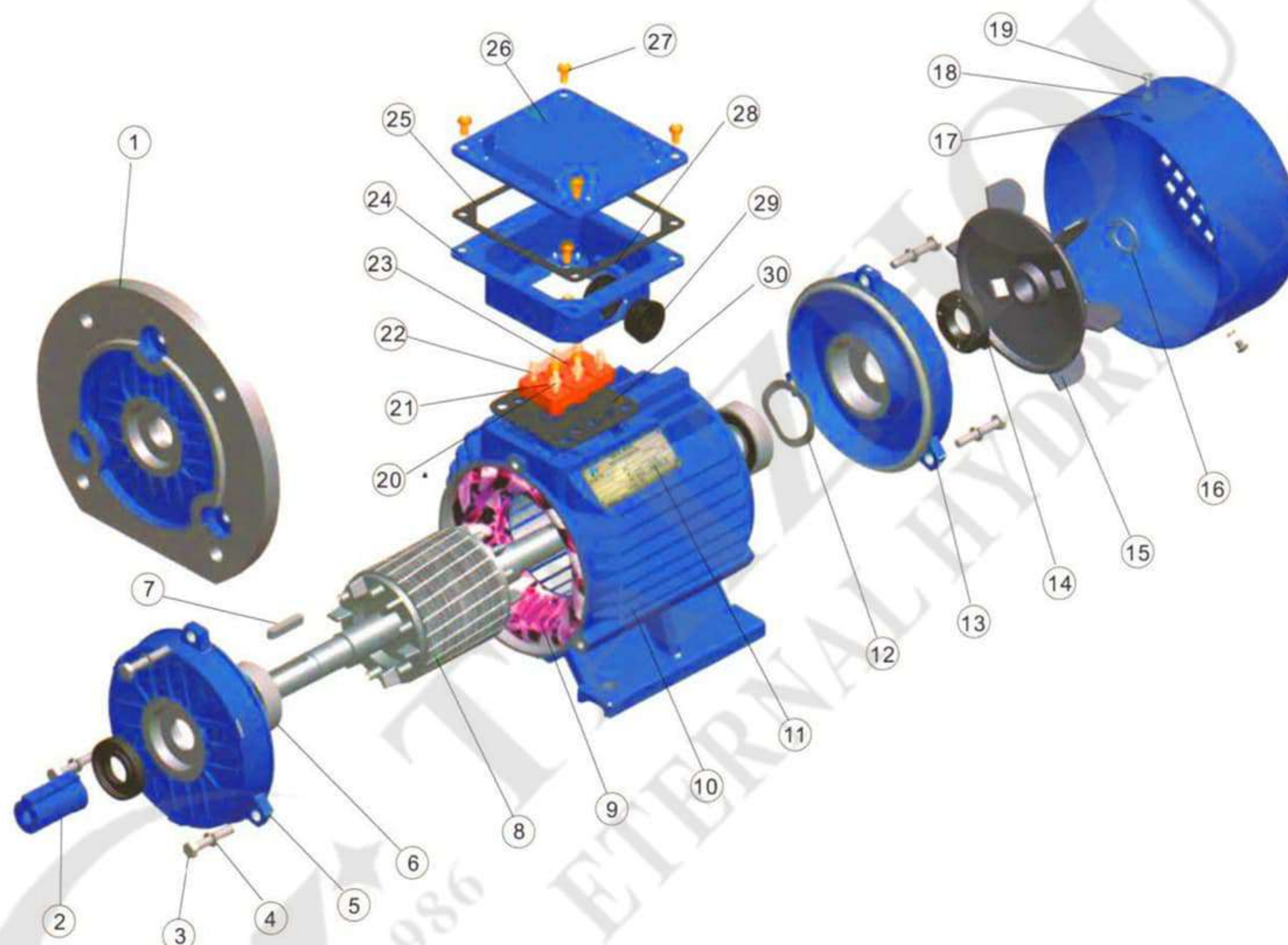
P18

JX SERIES

JX系列分马力异步电动机
JX series fractional horsepower asynchronous motor



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1.B5法兰(B5 Flange)	11铭牌(Name plate)	21铜垫片(Brass net)
2轴套(Shaft cover)	12波形垫圈(Wave form)	22铜连接片(Brass lug)
3螺栓(Eot	13后端盖(Rear endshield)	23接线板(Terminal board)
4弹簧垫圈(Spring washer)	14密封圈(WRing)Oil seal	24.接线盒座(Terminal box base)
5前端盖(Front endshield)	15风叶(Fan)	25密封垫(Gasket
6轴承(Bearing)	16风叶卡簧(Fan clamp)	26接线盒盖(Terminal box lid)
7键(Key)	17风罩(-an cow)	27螺丝crew)
8转子(Rotor)	18垫圈(Washer)	28接地标志(Earth mark)
9定子(Stator)	19风罩螺丝(Fan cowl screw)	29.护套(Jacket)
10机座(Frame)	20.铜螺帽(Brass washer)	30皮垫(Leather washe

YE2 SERIES

YE2系列三相异步电动机

YE2 Series Three-phase Asynchronous Motor



产品概述 PRODUCT OVERVIEW

YE2系列(中心高H80-355MM,0.55-250KW)电动机是全封闭、自扇冷式鼠笼型三相异步电动机,是在Y系列电机基础上更新设计的一般用途低压三相异步电动机。基本系列产品达到国际90年代先进水平。它是取代Y系列更新换代的产品。YE2系列电动机较Y系列效率高,起动转矩大,且提高了防护等级(P54),提高了绝缘等级(F级)B级考核,降低了噪声。且用负载噪声考核,其电机结构更加合理,外形新颖美观。电机冷却方式为IC411。安装尺寸及功率等级完全符合IEC标准(与Y系列相同)YE2系列电动机为一般用途的电动机,适用于无特殊要求的各种机械设备。YE2系列电动机额定电压为380V,额定频率为50HZ,3KW以下为Y接法,4KW以上为Δ接法。环境温度不超过40℃,海拔不超过1000,工作方式连续(S1)

Ye2 series (center high H80-355MM, 0.55-250KW) motors are fully enclosed, self-fan cooled squirrel cage type three-phase asynchronous motors. They are general purpose low-voltage three-phase asynchronous motors updated and designed on the basis of Y series motors. The basic series of products have reached the advanced level in the 1990s. It is a replacement of Y series. Compared with Y series, YE2 series motors have higher efficiency, higher starting torque, higher protection level (P54), higher insulation level (F) and B level examination, and lower noise. The structure of the motor is more reasonable and the shape is novel and beautiful when the load noise is used to check. The cooling mode of the motor is IC411. Installation size and power level fully meet IEC standard (same as Y series). YE2 series motors are general purpose motors, suitable for all kinds of mechanical equipment without special requirements. YE2 series motor rated voltage 380V, rated frequency 50HZ, below 3KW is Y connection, above 4KW is delta connection. The ambient temperature does not exceed 40 degrees C, the altitude does not exceed 1000, the working mode is continuous (S1)

使用条件 CONDITIONS OF USE

环境空气温度: $-15^{\circ}\text{C} \leq t \leq 40^{\circ}\text{C}$

海拔: 不超过1000米

电压: 220/380V 230/440V 380/660V 400/690V

频率: 50HZ 60HZ

接法: 3KW及以下规格为Y接法, 4KW及以上规格为Δ接法

工作方法: 连续(S1)

绝缘等级: F, 绕组定子温升考核80K

防护等级: 机壳IP54、IP55, 接线盒IP55。

冷却方式: IC411

Ambient temperature: $-15^{\circ}\text{C} \leq t \leq 40^{\circ}\text{C}$

Altitude: not exceeding 1000 meters

Voltage: 220 / 380V 230 / 440V 380 / 660V 400 / 690V

Rated Frequency: 50HZ 60HZ

Connection: Star-connection for 3KW or less whereas delta-connection

for 4KW or more.

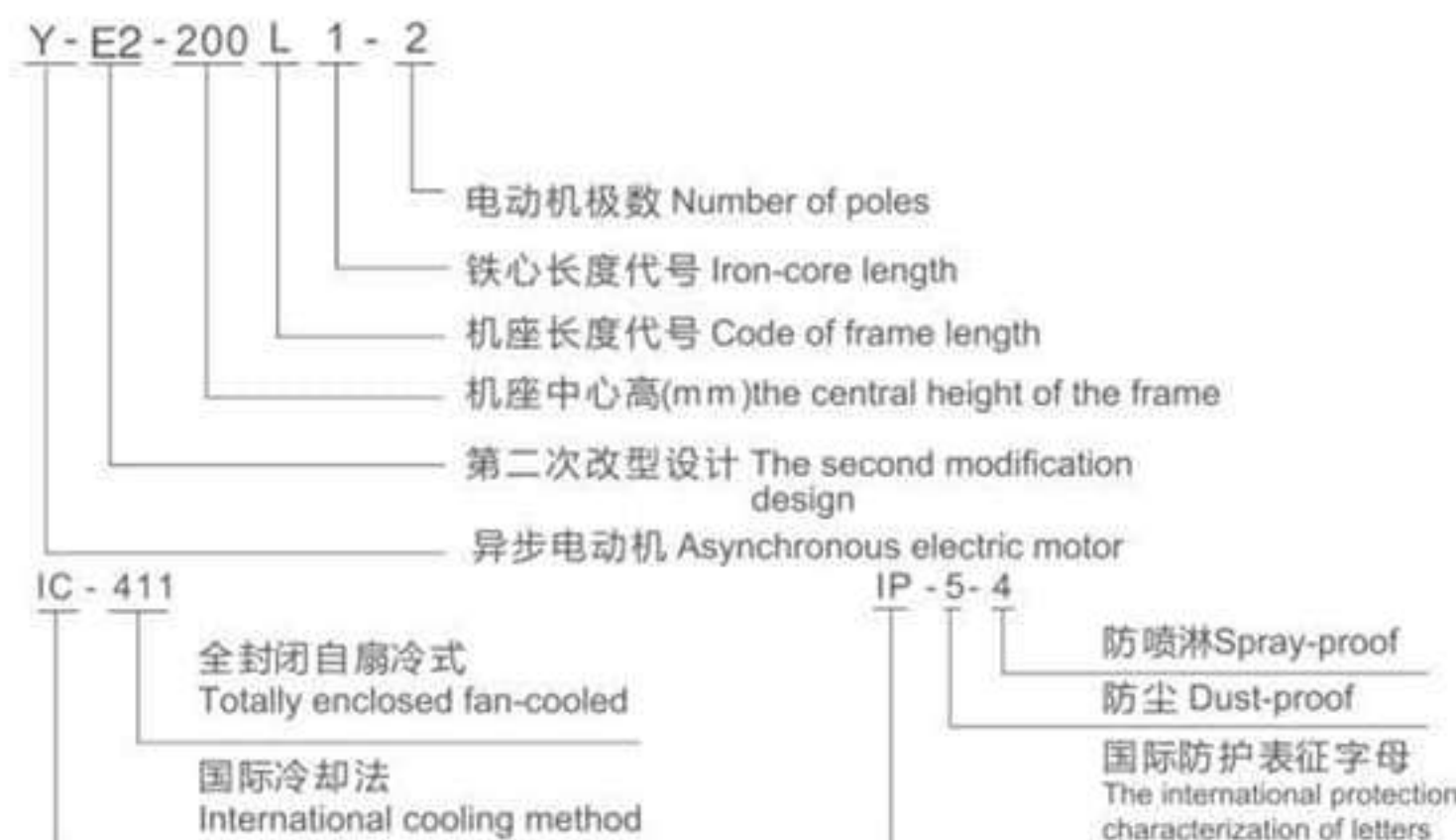
Duty/Rating: Continuous(S1).

Insulation class: F, the temperature rise of the stator winding is examined at 80K(by resistance method).

Protection class: The main body of the motor is IP54, but the terminal box reaches IP55.

Cooling type: IC411

代号说明 EXPLANATION OF TYPE DESIGNATION



YE2系列三相异步电动机

YE2 Series Three-phase Asynchronous Motor



电机型号 Motor type	额定功率 Rated output (kW)	额定电流 Rated current (A)	额定转速 Rated speed (r/min)	功率因数 Rated Factor (cos φ)	效率 EFF (%)	堵转电流 额定电流	堵转转矩 额定转矩	最大转矩 额定转矩	转动惯量 J of 1kgm ²	噪音 Noise dB(A)	重量 Weight (kg)
2极同步转速3000 (r/min) 2 pole-3000 rpm synchronous speed(r/min)											
YE2-80M1-2	0.75	1.8	2875	0.83	77.4	6.5	2.4	2.3	0.001	62	17
YE2-80M2-2	1.1	2.4	2875	0.84	79.6	6.7	2.4	2.3	0.002	62	19
YE2-90S-2	1.5	3.2	2890	0.84	81.3	7.3	2.4	2.3	0.002	67	24
YE2-90L-2	2.2	4.6	2890	0.85	83.2	7.4	2.4	2.3	0.003	67	28
YE2-100L-2	3	6.0	2890	0.87	84.6	7.8	2.5	2.3	0.005	74	35
YE2-112M-2	4	7.9	2910	0.88	85.8	8.1	2.3	2.3	0.008	77	42
YE2-132S1-2	5.5	10.7	2920	0.88	87	7.6	2.3	2.3	0.014	79	62
YE2-132S2-2	7.5	14.3	2920	0.88	88.1	7.8	2.3	2.3	0.018	79	65
YE2-160M1-2	11	20.8	2930	0.89	89.4	7.5	2.3	2.3	0.051	81	108
YE2-160M2-2	15	28.0	2930	0.89	90.3	7.2	2.2	2.3	0.064	81	118
YE2-160L-2	18.5	34.4	2940	0.9	90.9	7.5	2.3	2.3	0.076	81	134
YE2-180M-2	22	40.7	2940	0.9	91.3	8.1	2.4	2.3	0.105	83	170
YE2-200L1-2	30	55.1	2950	0.9	92	7.5	2.2	2.3	0.179	84	217
YE2-200L2-2	37	67.7	2950	0.9	92.5	7.5	2.1	2.3	0.201	84	242
YE2-225M-2	45	82.0	2960	0.9	92.9	7.5	2.2	2.3	0.305	86	295
YE2-250M-2	55	99.9	2965	0.9	93.2	7.6	2.2	2.3	0.414	89	389
YE2-280S-2	75	135.3	2970	0.9	93.8	6.9	1.9	2.3	0.695	91	524
YE2-280M-2	90	161.7	2970	0.91	94.1	6.9	2.0	2.3	0.852	91	555
YE2-315S-2	110	195.5	2975	0.91	94.3	7.0	1.9	2.2	1.753	92	935
YE2-315M-2	132	233.6	2975	0.91	94.6	7.0	1.9	2.2	1.874	92	985
YE2-315L1-2	160	280.0	2975	0.92	94.8	7.1	1.9	2.2	2.296	92	1100
YE2-315L2-2	200	350.0	2975	0.92	95	7.1	1.8	2.2	2.478	92	1200
YE2-355M-2	250	435.7	2980	0.92	95	7.1	1.6	2.2	3.498	100	1730
YE2-355L-2	315	549.0	2980	0.92	95	7.2	1.6	2.2	4.436	100	1920
4极同步转速1500 (r/min) 4 pole-1500 rpm synchronous speed(r/min)											
YE2-80M1-4	0.55	1.57	1390	0.75	71	5.2	2.4	2.5	0.002	52	16
YE-80M2-4	0.75	2.0	1400	0.77	79.6	6.2	2.4	2.5	0.003	56	18
YE2-90S-4	1.1	2.8	1425	0.77	81.4	6.4	2.4	2.5	0.004	59	23
YE2-90L-4	1.5	3.7	1425	0.79	82.8	6.5	2.3	2.4	0.006	59	28
YE2-100L1-4	2.2	5	1440	0.81	84.3	7.2	2.4	2.5	0.010	64	35
YE2-100L2-4	3	6.8	1440	0.82	85.5	7.1	2.4	2.5	0.013	64	39
YE2-112M-4	4	8.7	1450	0.82	86.6	7.3	2.3	2.5	0.019	65	48
YE2-132S-4	5.5	11.6	1455	0.83	87.7	7.3	2.3	2.4	0.036	71	62
YE2-132M-4	7.5	15.4	1455	0.84	88.7	7.1	2.0	2.5	0.047	71	77
YE2-160M-4	11	22.4	1465	0.83	89.8	7.4	2.0	2.4	0.103	73	111
YE2-160L-4	15	29.8	1465	0.85	90.6	7.5	2.2	2.6	0.131	73	133
YE2-180M-4	18.5	35.8	1470	0.86	91.2	7.6	2.2	2.6	0.183	76	170
YE2-180L-4	22	42.4	1470	0.85	91.6	7.7	2.1	2.6	0.219	76	190
YE2-200L-4	30	56.8	1475	0.86	92.3	6.9	2.1	2.5	0.297	76	238
YE2-225S-4	37	68.2	1480	0.87	92.7	6.8	2.1	2.4	0.578	78	290
YE2-225M-4	45	84.2	1480	0.87	93.1	7.2	2.1	2.5	0.659	78	330
YE2-250M-4	55	103	1480	0.87	93.5	7.0	2.2	2.5	0.818	79	396
YE2-280S-4	75	137.6	1485	0.87	94	6.7	2.2	2.6	1.571	80	525
YE2-280M-4	90	164.8	1485	0.88	94.2	6.9	2.3	2.6	1.964	80	615
YE2-315S-4	110	198.7	1485	0.89	94.5	6.9	2.2	2.6	3.247	88	945
YE2-315M-4	132	238	1485	0.89	94.7	6.9	2.1	2.6	3.527	88	1030
YE2-315L1-4	160	284.6	1485	0.90	94.9	6.9	2.1	2.5	4.087	88	1100
YE2-315L2-4	200	355.0	1485	0.90	95.1	6.9	2.1	2.6	5.374	88	1210
YE2-355M-4	250	443.8	1490	0.90	95.1	6.9	2.0	2.2	8.404	95	1780
YE2-355L-4	315	559.2	1490	0.90	95.1	6.9	2.0	2.2	9.927	95	1960

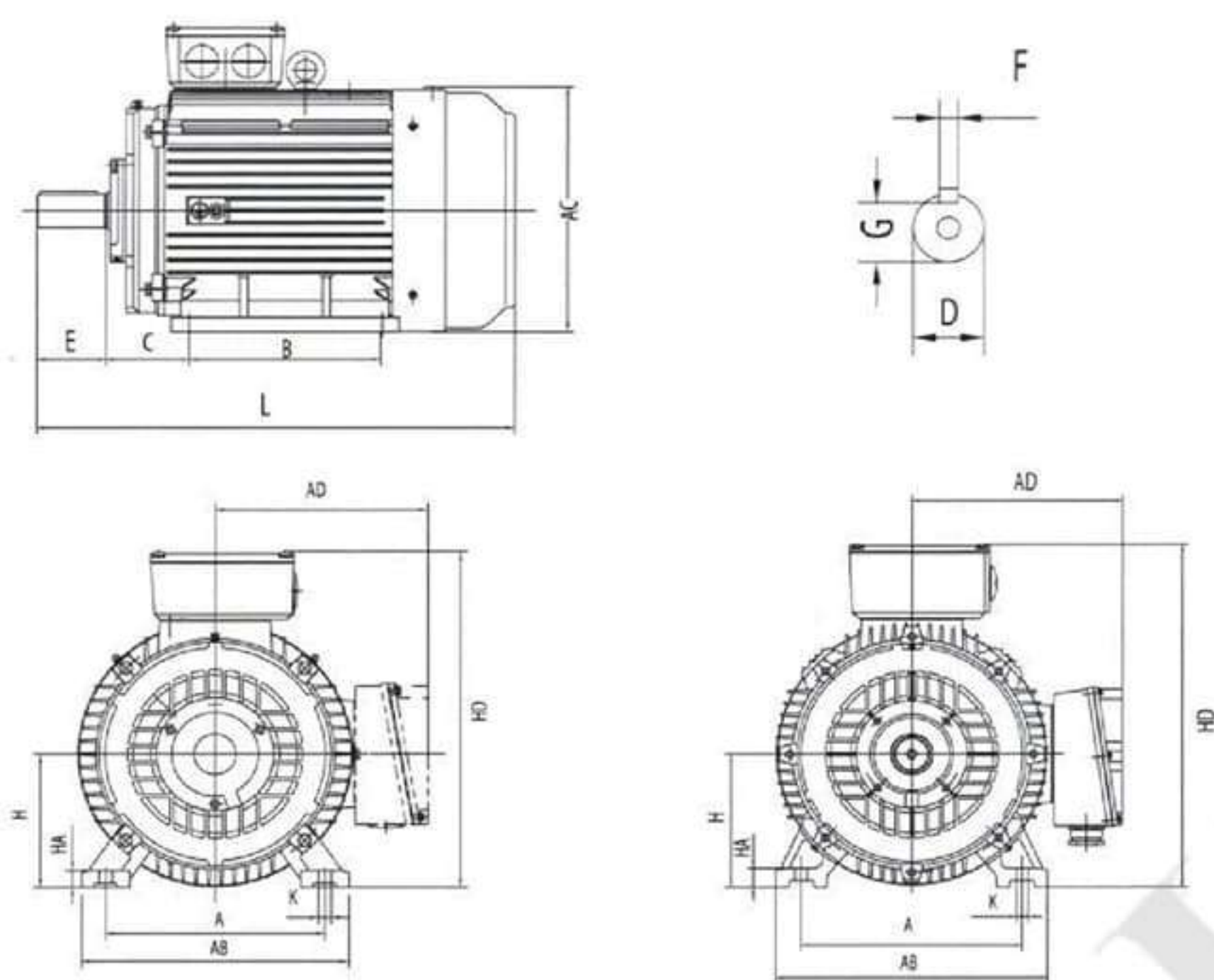
YE2系列三相异步电动机

YE2 Series Three-phase Asynchronous Motor



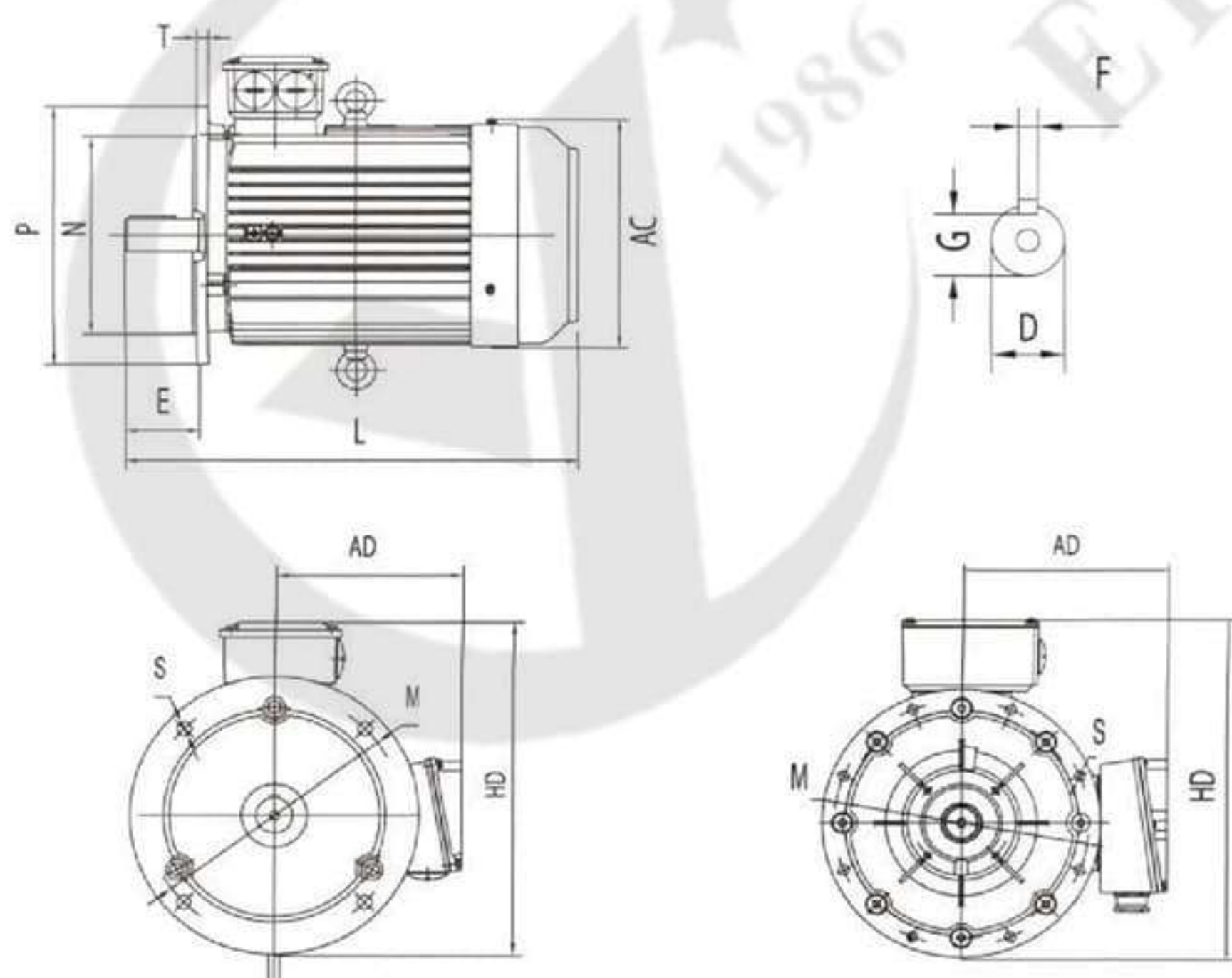
电机型号 Motor type	额定功率 Rated output (kW)	额定电流 Rated current (A)	额定转速 Rated speed (r/min)	功率因数 Rated Factor (cos φ)	效率 EFF (%)	堵转电流 额定电流	堵转转矩 额定转矩	最大转矩 额定转矩	转动惯量 J of 1kgm ²	噪音 Noise dB(A)	重量 Weight (kg)
2极同步转速3000 (r/min) 2 pole-3000 rpm synchronous speed(r/min)											
YE2-80M1-6	0.37	13	885	0.70	62	4.7	1.9	2.0	0.0016	47	15
YE2-80M2-6	0.55	1.79	885	0.72	65	4.7	1.9	2.1	0.002	47	19
YE2-90S-6	0.75	2.3	935	0.72	75.9	5.6	25.2	2.4	0.005	57	23
YE2-90L-6	1.1	3.2	940	0.73	78.1	5.5	2.2	2.5	0.008	57	27
YE2-100L-6	1.5	4.0	945	0.75	79.8	5.6	2.1	2.4	0.013	61	35
YE2-112M-6	2.2	5.6	950	0.76	81.8	6.0	2.1	2.3	0.020	65	42
YE2-132S-6	3	7.2	960	0.76	83.3	6.4	2.2	2.4	0.038	69	57
YE2-132M1-6	4	9.4	960	0.76	84.6	6.5	2.1	2.4	0.050	69	68
YE2-132M2-6	5.5	13	960	0.77	86.0	6.4	2.1	2.3	0.066	69	75
YE2-160M-6	7.5	17	970	0.77	87.2	6.8	2.3	2.5	0.121	73	102
YE2-160L-6	11	24.6	970	0.78	88.7	6.7	2.1	2.5	0.161	73	130
YE2-180L-6	15	31.4	975	0.83	89.7	7.3	2.2	2.4	0.264	73	172
YE2-200L1-6	18.5	37.9	975	0.81	90.4	7.0	2.1	2.5	0.407	73	215
YE2-200L2-6	22	44.7	975	0.82	90.9	7.0	2.1	2.4	0.459	73	230
YE2-225M-6	30	59.5	985	0.82	91.7	6.6	2.3	2.3	0.648	74	290
YE2-250M-6	37	70.5	985	0.83	92.2	7.0	2.3	2.6	0.979	76	382
YE2-280S-6	45	84.2	985	0.85	92.7	6.8	2.1	2.5	1.790	78	481
YE2-280M-6	55	102	985	0.86	93.1	7.1	2.2	2.5	2.164	78	555
YE2-315S-6	75	144.6	990	0.84	93.7	6.5	2.1	2.5	4.279	83	876
YE2-315M-6	90	171	990	0.85	94.0	6.4	2.0	2.5	5.017	83	955
YE2-315L1-6	110	208.3	990	0.85	94.3	6.5	2.1	2.5	5.607	83	1125
YE2-315L2-6	132	246.5	990	0.86	94.6	6.6	2.1	2.5	6.640	83	1195
YE2-355M1-6	160	298.2	990	0.86	94.8	6.7	2.0	2.0	9.555	85	1650
YE2-355M2-6	200	367.6	990	0.87	95.0	6.8	2.0	2.0	11.944	85	1770
YE2-355L-6	250	409.1	990	0.86	95.0	6.8	2.0	2.0	13.377	85	1880
4极同步转速1500 (r/min) 4 pole-1500 rpm synchronous speed(r/min)											
YE2-80M1-8	0.18	0.88	645	0.61	51.0	3.3	1.8	1.9	0.0018	33	16
YE2-80M2-8	0.25	1.15	645	0.61	54.0	3.3	1.8	1.9	0.0021	33	17
YE2-90S-8	0.37	1.49	670	0.61	62.0	4.0	1.8	1.9	0.0031	40	24
YE2-90L-8	0.55	2.17	670	0.61	63.0	4.0	1.8	2.0	0.0040	40	29
YE2-100L1-8	0.75	2.4	680	0.67	71.0	4.0	1.8	2.0	0.0063	40	37
YE2-100L2-8	1.1	3.4	680	0.69	73.0	5.0	1.8	2.0	0.0097	50	39
YE2-112M-8	1.5	4.4	700	0.69	75.0	5.0	1.8	2.0	0.012	50	45
YE2-132S-8	2.2	6	710	0.71	78.0	6.0	1.8	2.0	0.029	60	68
YE2-132M-8	3	7.9	710	0.73	79.0	6.0	1.8	2.0	0.038	60	72
YE2-160M1-8	4	10.3	720	0.73	81.0	6.0	1.9	2.0	0.0649	60	101
YE2-160M2-8	5.5	13.6	720	0.74	83.0	6.0	2.0	2.0	0.0821	60	113
YE2-160L-8	7.5	18	720	0.75	85.5	6.0	2.0	2.0	0.1141	60	135
YE2-180L-8	11	25	730	0.76	87.5	6.6	2.0	2.0	0.187	66	178
YE2-200L-8	15	34	730	0.76	88.0	6.6	2.0	2.0	0.325	66	228
YE2-225S-8	18.5	41	730	0.76	90.0	6.6	1.9	2.0	0.481	66	280
YE2-225M-8	22	48	730	0.78	90.5	6.6	1.9	2.0	0.531	66	305
YE2-250M-8	30	64	730	0.79	91.0	6.6	1.9	2.0	0.809	66	382
YE2-280S-8	37	78	735	0.79	91.5	6.6	1.9	2.0	1.381	66	487
YE2-280M-8	45	95	735	0.79	92.0	6.6	1.9	2.0	1.721	66	570
YE2-315S-8	55	112	735	0.81	92.8	6.6	1.8	2.0	4.59	66	920
YE2-315M-8	75	151	735	0.81	93.0	6.6	1.8	2.0	5.36	66	996
YE2-315L1-8	90	178	735	0.82	93.8	6.6	1.8	2.0	6.11	66	1085
YE2-315L2-8	110	217	735	0.82	94.0	6.4	1.8	2.0	6.55	64	1175
YE2-355M1-8	132	261	745	0.82	93.7	6.4	1.8	2.0	10.40	64	1720
YE2-355M2-8	160	315	745	0.82	94.2	6.4	1.8	2.0	11.7	64	1760
YE2-355L-8	200	388	745	0.83	94.5	6.4	1.8	2.0	12.8	64	2010

B3外形及安装尺寸



型号 Model	极数 The number of poles	安 装 尺 寸 Installation size														HA	HD
		A	B	C	D	E	F	G	H	K	L	AB	AC	AD			
80	2,4,6,8	125	105	50	19	40	6	15.5	80	10	305	165	175	140	10	220	
90S	2,4,6,8	140	100	56	24	50	8	20	90	10	395	180	195	150	12.5	265	
90L	2,4,6,8	140	125	56	24	50	8	20	90	10	425	180	195	150	12.5	265	
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	435	205	215	160	14	270	
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	475	230	240	185	14	310	
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	535	270	275	205	16	365	
132M	2,4,6,8	216	178	89	38	80	10	33	132	12	550	270	275	205	16	365	
160M	2,4,6,8	254	210	108	42	110	12	37	160	14.5	730	320	330	250	19	420	
160L	2,4,6,8	254	254	108	42	110	12	37	160	14.5	760	320	330	250	19	420	
180M	2,4,6,8	279	241	121	48	110	14	42.5	180	14.5	805	350	380	270	22	460	
180L	2,4,6,8	279	279	121	48	110	14	42.5	180	14.5	835	350	380	270	22	460	
200L	2,4,6,8	318	305	133	55	110	16	49	200	18.5	890	395	420	325	25	475	
225S	4,6,8	356	286	149	60	140	18	53	225	18.5	865	436	465	335	28	560	
225M	2	356	311	149	55	110	16	49	225	18.5	865	436	465	335	28	560	
	4,6,8	356	311	149	60	140	18	53	225	18.5	895	436	465	335	28	560	
250M	2	406	349	168	60	140	18	53	250	24	995	495	520	370	33	635	
	4,6,8	406	349	168	65	140	18	58	250	24	995	495	520	370	33	635	
280S	2	457	368	190	65	140	18	58	280	24	1030	550	570	395	35	705	
	4,6,8	457	368	190	75	140	20	67.5	280	24	1030	550	570	395	35	705	
280M	2	457	419	190	65	140	18	58	280	24	1080	550	570	395	35	705	
	4,6,8	457	419	190	75	140	20	67.5	280	24	1080	550	570	395	35	705	
315S	2	508	406	216	65	140	18	58	315	28	1160	635	650	495	45	845	
	4,6,8	508	406	216	80	170	22	71	315	28	1290	635	650	495	45	845	
315M	2	508	457	216	65	140	18	58	315	28	1210	635	650	495	45	845	
	4,6,8	508	457	216	80	170	22	71	315	28	1320	635	650	495	45	845	
315L	2	508	508	216	65	140	18	58	315	28	1210	635	650	495	45	845	
	4,6,8	508	508	216	80	170	22	71	315	28	1320	635	650	495	45	845	
355M	2	610	560	254	75	140	20	67.5	355	28	1500	735	735	650	49	1000	
	4,6,8	610	560	254	95	170	25	86	355	28	1530	735	735	650	49	1000	
355L	2	610	630	254	75	140	20	67.5	355	28	1500	735	735	650	49	1000	
	4,6,8	610	630	254	95	170	25	86	355	28	1630	735	735	650	49	1000	

B5外形及安装尺寸



型号 Model	极数 Poles	安装尺寸 Installation size												
		D	E	F	G	L	M	N	P	S	T	AC	AD	HC
80	2,4,6,8	19	40	6	15.5	301	165	130	200	12	3.5	175	140	220
90S	2,4,6,8	24	50	8	20	360	165	130	200	12	3.5	195	150	260
90L	2,4,6,8	24	50	8	20	390	165	130	200	12	3.5	195	150	260
100L	2,4,6,8	28	60	8	24	435	215	180	250	14.5	4	215	160	275
112M	2,4,6,8	28	60	8	24	480	215	180	250	14.5	4	240	185	310
132S	2,4,6,8	38	80	10	33	510	265	230	300	14.5	4	275	205	345
132M	2,4,6,8	38	80	10	33	550	265	230	300	14.5	4	275	205	345
160M	2,4,6,8	42	110	12	37	667	300	250	350	18.5	5	330	250	425
160L	2,4,6,8	42	110	12	37	689	300	250	350	18.5	5	330	250	425
180M	2,4,6,8	48	110	14	42.5	732	300	250	350	18.5	5	380	270	460
180L	2,4,6,8	48	110	14	42.5	780	300	250	350	18.5	5	380	270	460
200L	2,4,6,8	55	110	16	49	779	350	300	400	18.5	5	420	325	475
225S	4,6,8	60	140	18	53	836	400	350	450	18.5	5	465	335	560
	2	55	110	16	49	831	400	350	450	18.5	5	465	335	560
225M	4,6,8	60	140	18	53	866	400	350	450	18.5	5	465	335	560
	2	60	140	18	53	936	500	450	550	18.5	5	520	370	620
250M	4,6,8	65	140	18	58	942	500	450	550	18.5	5	520	370	620
	2	65	140	18	58	970	500	450	550	18.5	5	570	395	685
280S	4,6,8	75	140	20	67.5	975	500	450	550	18.5	5	570	395	685
	2	65	140	18	58	1020	500	450	550	18.5	5	570	395	685
280M	4,6,8	75	140	20	67.5	1015	500	450	550	18.5	5	570	395	685
	2	65	140	18	58	1160	600	550	660	24	6	650	495	820
315S	4,6,8	80	170	22	71	1270	600	550	660	24	6	650	495	820
	2	65	140	18	58	1270	600	550	660	24	6	650	495	820
315M	4,6,8	80	170	22	71	1207	600	550	660	24	6	650	495	820
	2	65	140	18	58	1317	600	550	660	24	6	650	495	820
315L	4,6,8	80	170	22	71	1317	600	550	660	24	6	650	495	820
	2	75	140	20	67.5	1500	740	680	800	24	6	735	650	1000
355M	4,6,8	95	170	25	86	1500	740	680	800	24	6	735	650	1000
	2	75	140	20	67.5	1630	740	680	800	24	6	735	650	1000
355L	4,6,8	95	170	25	86	1630	740	680	800	24	6	735	650	1000

YS SERIES

系列铝壳三相异步电动机

YS Series Aluminum Shell Three-phase Asynchronous Motor



产品概述 PRODUCT OVERVIEW

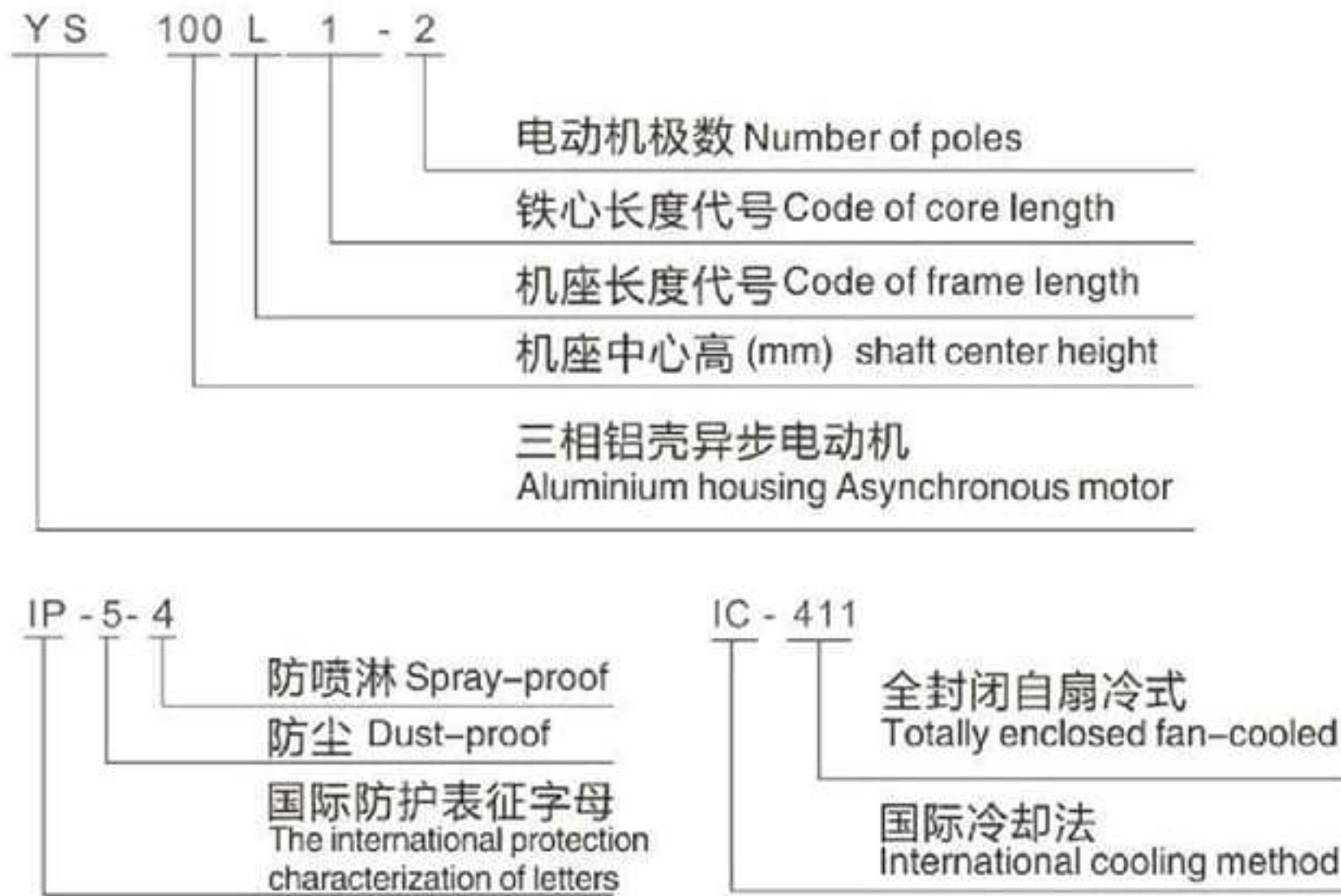
YS系列电动机是最新设计的全封闭式微型三相异步电动机，具有结构简单，运行可靠、维护方便、技术经济指标优异等特点，广泛适用于各种小型机床，医疗器械，电子仪器及家用电器等。YS系列电动机防护等级IP54，绝缘等级为F级，冷却方法为IC0141。

This motor is a miniature three-phase asynchronous motor which designed newly and all closed. It is simple in structure, reliable in running, convenient in characteristic such as being excellent of technical and economic index to safeguard is extensively suitable for various kinds of small-scale lathes, medical equipment, electron tube instrument and household appliances, IP54. F, IC0141

使用条件 CONDITIONS OF USE

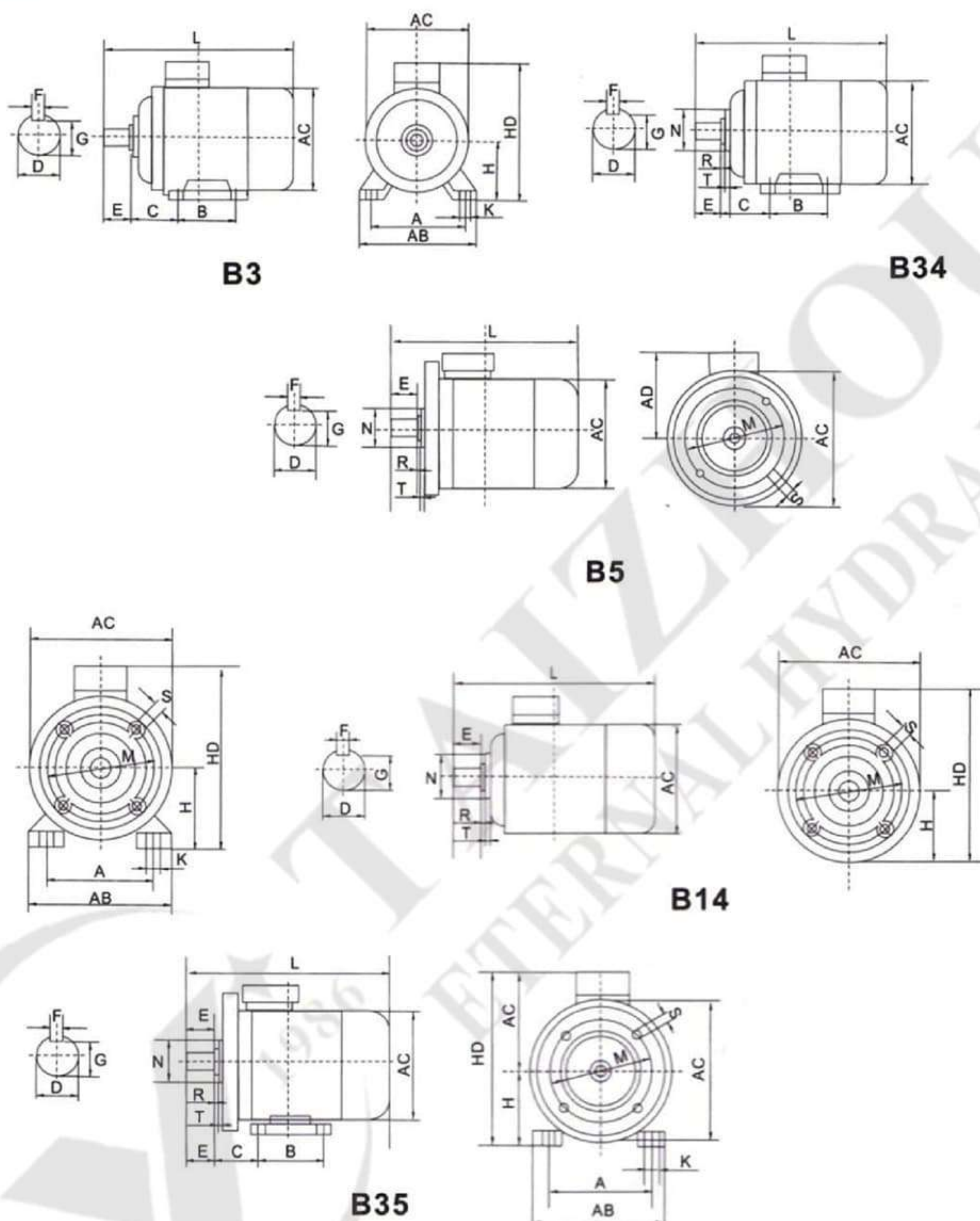
环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$
海拔: 不超过1000米
额定电压: $380\text{V} \pm 5\%$
额定频率: 50Hz(按要求也可以生产60Hz)
工作制: S1连续工作制
绝缘等级: F级
防护等级: Ip54
接法: Y/ Δ
冷却方式: IC0141
Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$
Altitude: Not exceeding 1000meters
Rated voltage $380\text{V} \pm 5\%$
Rated frequency: 50HZ(60Hz is available on request)
Duty/ Rating: Continuous(S1)
Insulation class: Class F
Protection class: Ip54
Connection: Y/ Δ
Cooling method: IC 0141

代号说明 EXPLANATION OF TYPE DESIGNATION



技术参数 Technical Data

型号 Model	功率Output		满载时 Full load				75%负载时75%load		50%负载时50%load		堵转转矩	堵转电流	最大转矩
	kW	HP	电流 Current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因数 Power (factor)	效率 Eff (%)	功率因数 Power (factor)	效率 Eff (%)	功率因数 Power (factor)	额定转矩 Tstart/Tn	额定电流 Ist/In	额定转矩 Tmax/Tn
同步转速3000转/分 (2极) 380V/50Hz Synchronous Speed 3000r/min(2 poles)													
YS63M1-2	0.18	0.25	0.53	2720	63.0	0.80	62.0	0.80	60.5	0.76	2.2	5.5	2.2
Y63M2-2	0.25	0.33	0.69	2720	65.0	0.81	64.0	0.80	62.5	0.77	2.2	5.5	2.2
YS71M1-2	0.37	0.50	0.99	2740	66.0	0.81	65.0	0.80	63.5	0.78	2.2	6.1	2.2
YS71M2-2	0.55	0.75	1.40	2740	71.0	0.82	70.0	0.82	68.5	0.79	2.2	6.1	2.3
YS80M1-2	0.75	1	1.83	2835	77.4	0.83	72.0	0.83	70.2	0.80	2.2	6.1	2.3
YS80M2-2	1.1	1.5	2.58	2835	79.6	0.84	75.1	0.83	73.0	0.80	2.2	7.0	2.3
YS90S-2	1.5	2	3.43	2845	81.3	0.84	77.0	0.85	70.0	0.81	2.2	7.0	2.3
YS90L-2	2.2	3	4.85	2845	83.2	0.85	80.0	0.85	78.0	0.84	2.2	7.0	2.3
YS100L-2	3.0	4	6.31	2875	84.6	0.87	81.0	0.86	79.3	0.86	2.2	7.0	2.3
YS112M-2	4.0	5.5	8.10	2895	85.8	0.88	83.5	0.87	81.0	0.84	2.2	7.5	2.3
YS132S1-2	5.5	7.5	11.0	2905	87.0	0.88	84.3	0.89	83.0	0.84	2.2	7.5	2.3
YS132S2-2	7.5	10	14.9	2905	88.1	0.88	85.9	0.87	83.7	0.84	2.2	7.5	2.3
YS160M1-2	11	15	21.3	2935	89.4	0.89	86.8	0.89	84.1	0.84	2.2	7.5	2.3
YS160M2-2	15	20	28.8	2935	90.3	0.89	88.0	0.89	86.4	0.85	2.2	7.5	2.3
YS160L-2	18.5	25	34.7	2935	90.9	0.90	89.0	0.88	86.8	0.86	2.2	7.5	2.3
同步转速1500转/分 (4极) 380V/50Hz Synchronous Speed 1500r/min(4 poles)													
YS63M1-4	0.12	0.18	0.42	1310	57.0	0.72	56.1	0.69	53.9	0.57	2.1	5.2	2.2
YS63M2-4	0.18	0.25	0.62	1310	60.0	0.73	58.5	0.70	56.7	0.59	2.1	5.2	2.2
YS71M1-4	0.25	0.33	0.79	1330	65.0	0.74	62.4	0.73	59.3	0.59	2.1	5.2	2.2
YS71M2-4	0.37	0.50	1.12	1330	67.0	0.75	65.3	0.74	60.8	0.63	2.1	5.2	2.2
YS80M1-4	0.55	0.75	1.57	1395	71.0	0.75	69.2	0.74	67.2	0.64	2.4	5.2	2.3
YS80M2-4	0.75	1.0	2.03	1395	79.6	0.76	71.7	0.75	69.8	0.67	2.3	6.0	2.3
YS90S-4	1.1	1.5	2.89	1405	81.4	0.77	73.1	0.75	70.8	0.67	2.3	6.0	2.3
YS90L-4	1.5	2	3.70	1405	82.8	0.79	76.1	0.76	73.7	0.69	2.3	6.0	2.3
YS100L1-4	2.2	3	5.16	1435	84.3	0.81	78.0	0.79	75.5	0.69	2.3	7.0	2.3
YS100L2-4	3.0	4	6.78	1435	85.5	0.82	79.9	0.78	77.5	0.70	2.3	7.0	2.3
YS112M-4	4.0	5.5	8.80	1445	86.6	0.82	81.9	0.79	79.6	0.70	2.3	7.0	2.3
YS132S-4	5.5	7.5	11.7	1445	87.7	0.83	82.8	0.81	80.4	0.73	2.3	7.0	2.3
YS132M-4	7.5	10	15.6	1445	88.7	0.84	84.8	0.82	82.6	0.74	2.3	7.0	2.3
YS160M-4	11	15	22.3	1465	89.8	0.84	85.8	0.83	83.8	0.75	2.2	7.0	2.3
YS160L-4	15	20	30.1	1465	90.6	0.85	90.0	0.83	88.5	0.75	2.2	7.5	2.3
同步转速1000转/分 (6极) 380V/50Hz Synchronous Speed 1000r/min(6 poles)													
YS71M1-6	0.18	0.25	0.74	850	56.0	0.66	54.6	0.66	53.0	0.65	1.9	4.0	2.0
YS71M2-6	0.25	0.33	0.95	850	59.0	0.68	57.5	0.68	56.1	0.62	1.9	4.0	2.0
YS80M1-6	0.37	0.50	1.30	895	62.0	0.70	60.5	0.69	59.1	0.64	1.9	4.7	2.0
YS80M2-6	0.55	0.75	1.79	895	65.0	0.72	63.3	0.71	60.1	0.64	1.9	4.7	2.1
YS90S-6	0.75	1	2.29	915	75.9	0.72	67.3	0.72	66.3	0.65	2.0	5.5	2.1
YS90L-6	1.1	1.5	3.18	915	78.1	0.73	70.2	0.72	68.0	0.66	2.0	5.5	2.2
YS100L-6	1.5	2	3.94	945	79.8	0.75	74.0	0.75	71.0	0.68	2.0	5.5	2.1
YS112M-6	2.2	3	5.60	945	81.8	0.73	77.1	0.77	75.1	0.69	2.0	6.5	2.1
YS132S-6	3.0	4	7.40	965	83.3	0.76	78.9	0.77	76.1	0.69	2.1	6.5	2.1
YS132M1-6	4.0	5.5	9.80	965	84.6	0.76	80.0	0.76	77.5	0.70	2.1	6.5	2.1
YS132M2-6	5.5	7.5	12.9	965	86.0	0.77	82.1	0.77	79.4	0.70	2.1	6.5	2.1
YS160M-6	7.5	10	17.0	975	87.2	0.77	83.4	0.77	82.4	0.70	2.0	6.5	2.1
YS160L-6	11	15	24.2	975	88.7	0.78	86.6	0.78	84.8	0.72	2.0	6.5	2.1
同步转速750转/分 (8极) 380V/50Hz Synchronous Speed 750r/min(8 poles)													
YS80M1-8	0.18	0.25	0.88	630	51.0	0.61	47.9	0.52	44.6	0.54	1.8	4.0	1.9
YS80M2-8	0.25	0.33	1.15	640	54.0	0.61	48.9	0.54	45.3	0.55	1.8	4.0	1.9
YS90S-8	0.37	0.50	1.49	660	62.0	0.61	55.6	0.57	50.7	0.56	1.8	4.0	1.9
YS90L-8	0.55	0.75	2.18	660	63.0	0.61	55.9	0.58	50.9	0.59	1.8	4.0	2.0
YS100L1-8	0.75	1	2.17	690	71.0	0.67	60.9	0.65	59.7	0.56	1.8	4.0	2.0
YS100L2-8	1.1	1.5	2.39	690	73.0	0.69	72.0	0.61	59.8	0.57	1.8	5.0	2.0
YS112M-8	1.5	2	4.50	680	75.0	0.69	74.2	0.64	59.8	0.58	1.8	5.0	2.0
YS132S-8	2.2	3	6.00	710	78.0	0.71	77.2	0.61	60.1	0.58	1.8	6.0	2.0
YS132M-8	3.0	4	7.90	710	79.0	0.73	78.2	0.62	60.0	0.59	1.8	6.0	2.0
YS160M1-8	4.0	5.5	10.3	720	81.0	0.73	80.2	0.63	61.0	0.58	1.9	6.0	2.0
YS160M2-8	5.5	7.5	13.6	720	83.0	0.74	81.2	0.61	62.0	0.59	2.0	6.0	2.0
YS160L-8	7.5	10	17.8	720	85.5	0.75	84.5	0.63	65.9	0.59	2.0	6.0	2.0

安装尺寸 Overall&Installation dimensions

Frame No.	Installation Size									Installation Size IMB14					Installation Size IMB5					Overall Dimension				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	6	65	50	80	M5	2	100	80	120	8.5	3	112	108	93	149	192
63	100	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3	120	120	97	160	211
71	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	135	140	104	175	240
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3	165	130	200	12	3.5	155	160	113	193	284
90S	140	100	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	175	123	213	316
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	175	123	213	341
100L	160	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	15	4	200	195	157	257	377
112M	190	140	70	28	60	8	24	112	12	130	110	160	M8	3.5	215	180	250	15	4	226	220	163	275	392
132S	216	140	89	38	80	10	33	132	12	165	130	200	M10	3.5	265	230	300	15	4	265	265	183	315	463
132M	216	178	89	38	80	10	33	132	12	165	130	200	M10	3.5	265	230	300	15	4	265	265	183	315	501
160M	254	210	108	42	110	12	37	160	15	215	180	250	M12	4	300	250	350	19	5	310	320	223	383	606
160L	254	254	108	42	110	12	37	160	15	215	180	250	M12	4	300	250	350	19	5	310	320	223	383	650

MS SERIES

MS系列铝壳三相异步电动机

MS Series Aluminum Shell Three-phase Asynchronous Motor



产品概述 PRODUCT OVERVIEW

MS系列三相铝壳异步电动机是选用优质材料，根据IEC标准进行最新式整体设计而成。

MS电机拥有高性能、操作安全可靠、外观优美、便于保养、低噪音、振动小并且有重量轻、结构简单等优点。本系列电动机适用于一般驱动用。

Ms series aluminium housing three-phase asynchronous motors, with latest design in entirety, are made of selected quality materials and conformed to iec standard.

Ms motors have good performance, safety and reliable operation, nice appearance, and can be maintained very conveniently, while with low noises, little vibration and at the same time light weight and simple construction. These motors can be used for general drive

使用条件 CONDITIONS OF USE

环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

海拔: 不超过1000米

额定电压: $380\text{V} \pm 5\%$

额定频率: 50Hz(按要求也可以生产60Hz)

工作制: S1连续工作制

绝缘等级: F级

防护等级: $\text{Ip}54$

接法: Y/ Δ

冷却方式: IC0141

Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

Altitude: Not exceeding 1000meters

Rated voltage $380\text{V} \pm 5\%$

Rated frequency: 50HZ(60Hz is available on request)

Duty/ Rating: Continuous(S1)

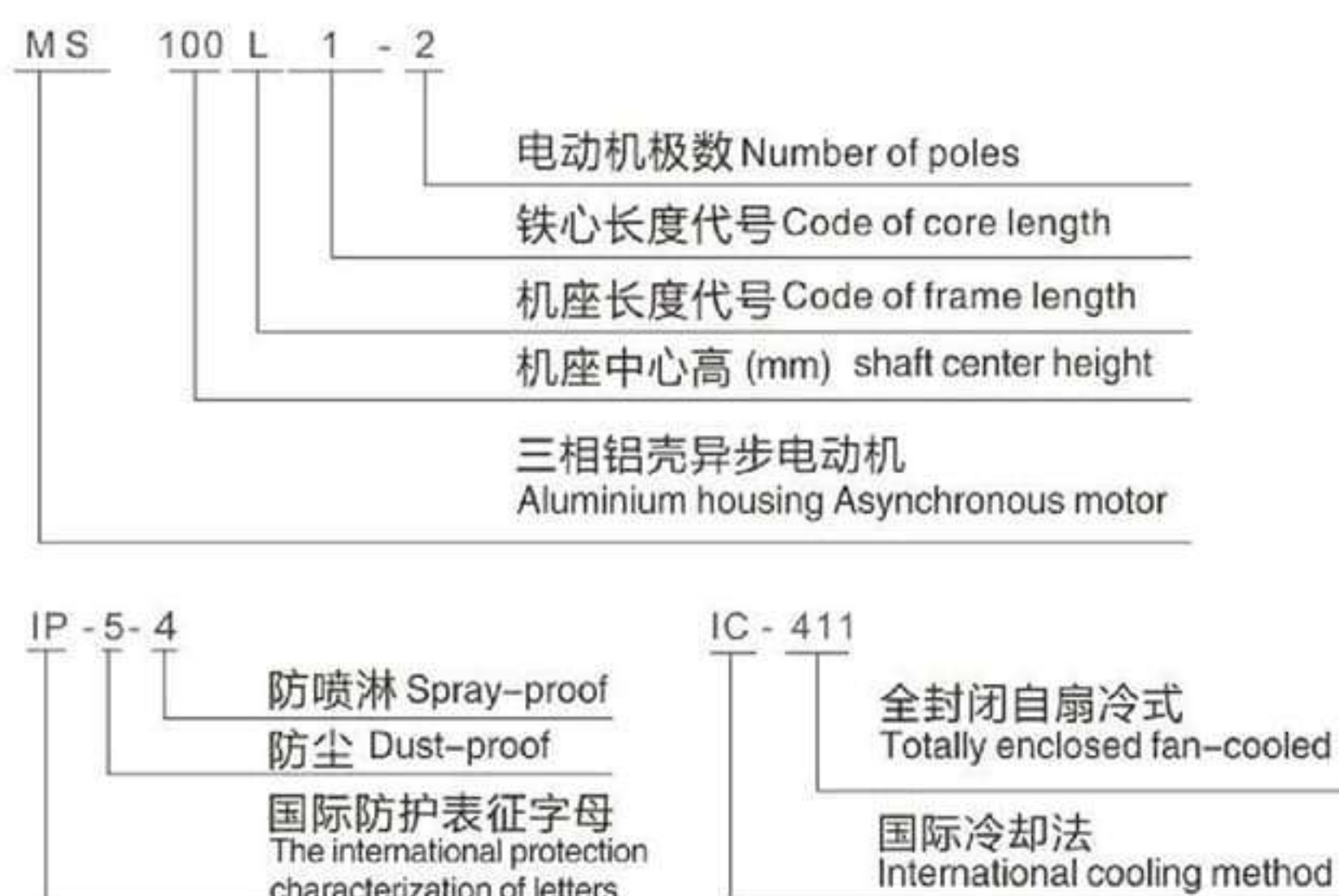
Insulation class: Class F

Protection class: $\text{Ip}54$

Connection: Y/ Δ

Cooling method: IC 0141

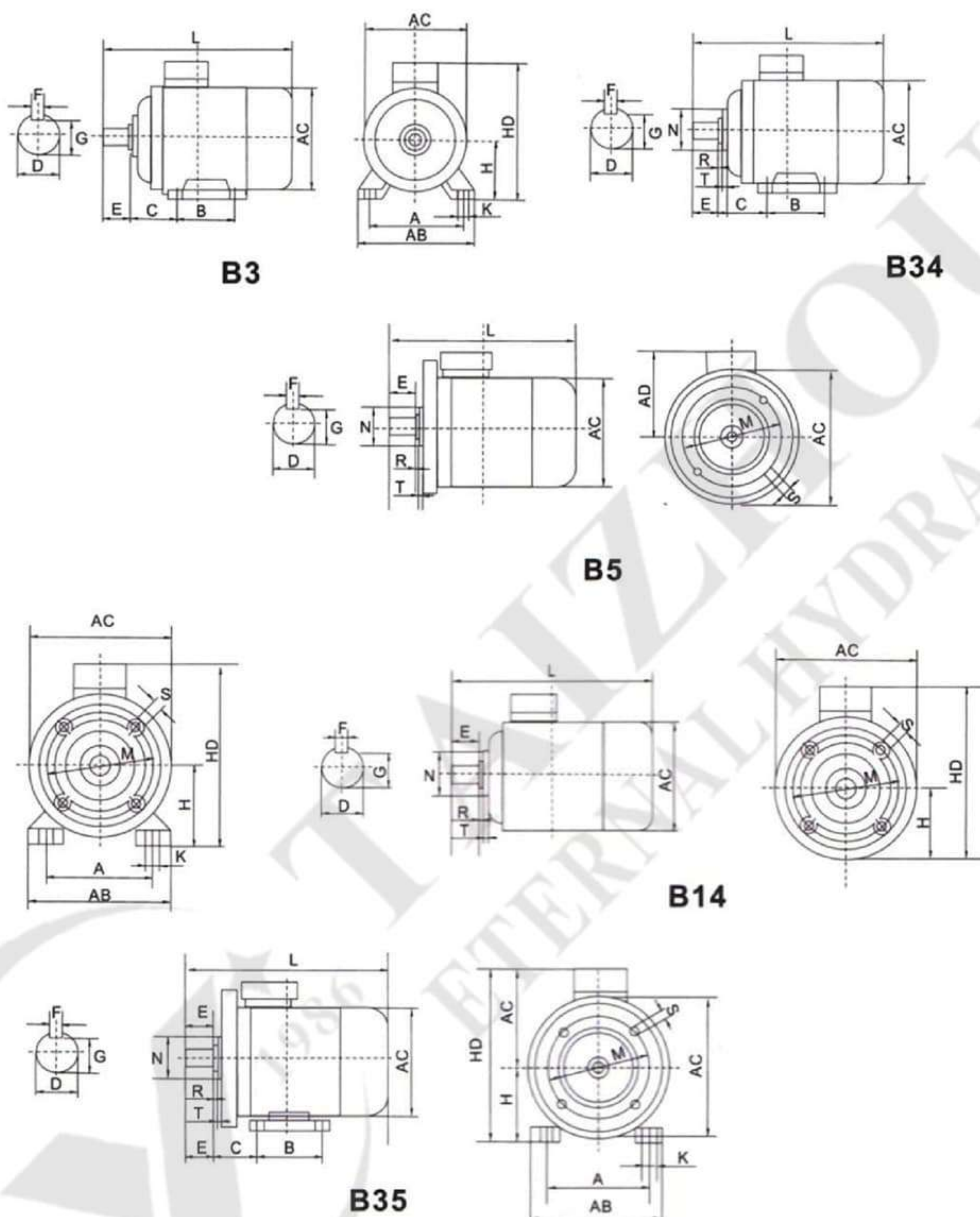
代号说明 EXPLANATION OF TYPE DESIGNATION



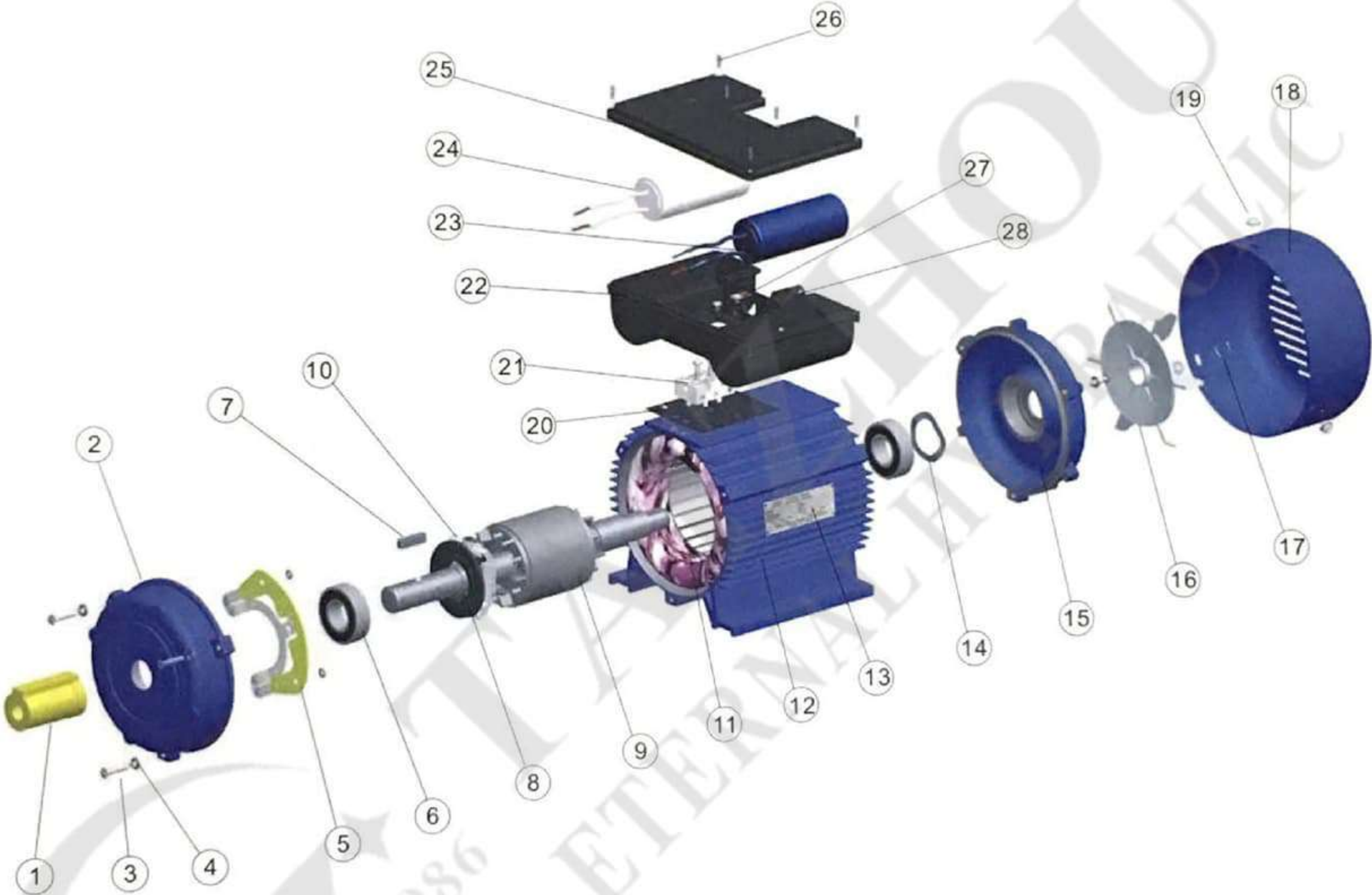
技术参数 Technical Data

型号 Model	功率Output		满载时 Full load				75%负载时 75%load		50%负载时 50%load		堵转转矩	堵转电流	最大转矩
	kW	HP	电流 Current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因数 Power (factor)	效率 Eff (%)	功率因数 Power (factor)	效率 Eff (%)	功率因数 Power (factor)	额定转矩 Tstart/Tn	额定电流 Ist/In	额定转矩 Tmax/Tn
同步转速3000转/分 (2极) 380V/50Hz Synchronous Speed 3000r/min(2 poles)													
MS63M1-2	0.18	0.25	0.53	2720	63.0	0.80	62.0	0.80	60.5	0.76	2.2	5.5	2.2
MS63M2-2	0.25	0.33	0.69	2720	65.0	0.81	64.0	0.80	62.5	0.77	2.2	5.5	2.2
MS71M1-2	0.37	0.50	0.99	2740	66.0	0.81	65.0	0.80	63.5	0.78	2.2	6.1	2.2
MS71M2-2	0.55	0.75	1.40	2740	71.0	0.82	70.0	0.82	68.5	0.79	2.2	6.1	2.3
MS80M1-2	0.75	1	1.83	2835	77.4	0.83	72.0	0.83	70.2	0.80	2.2	6.1	2.3
MS80M2-2	1.1	1.5	2.58	2835	79.6	0.84	75.1	0.83	73.0	0.80	2.2	7.0	2.3
MS90S-2	1.5	2	3.43	2845	81.3	0.84	77.0	0.85	70.0	0.81	2.2	7.0	2.3
MS90L-2	2.2	3	4.85	2845	83.2	0.85	80.0	0.85	78.0	0.84	2.2	7.0	2.3
MS100L-2	3.0	4	6.31	2875	84.6	0.87	81.0	0.86	79.3	0.86	2.2	7.0	2.3
MS112M-2	4.0	5.5	8.10	2895	85.8	0.88	83.5	0.87	81.0	0.84	2.2	7.5	2.3
MS132S1-2	5.5	7.5	11.0	2905	87.0	0.88	84.3	0.89	83.0	0.84	2.2	7.5	2.3
MS132S2-2	7.5	10	14.9	2905	88.1	0.88	85.9	0.87	83.7	0.84	2.2	7.5	2.3
MS160M1-2	11	15	21.3	2935	89.4	0.89	86.8	0.89	84.1	0.84	2.2	7.5	2.3
MS160M2-2	15	20	28.8	2935	90.3	0.89	88.0	0.89	86.4	0.85	2.2	7.5	2.3
MS160L-2	18.5	25	34.7	2935	90.9	0.90	89.0	0.88	86.8	0.86	2.2	7.5	2.3
同步转速1500转/分 (4极) 380V/50Hz Synchronous Speed 1500r/min(4 poles)													
MS63M1-4	0.12	0.18	0.42	1310	57.0	0.72	56.1	0.69	53.9	0.57	2.1	5.2	2.2
MS63M2-4	0.18	0.25	0.62	1310	60.0	0.73	58.5	0.70	56.7	0.59	2.1	5.2	2.2
MS71M1-4	0.25	0.33	0.79	1330	65.0	0.74	62.4	0.73	59.3	0.59	2.1	5.2	2.2
MS71M2-4	0.37	0.50	1.12	1330	67.0	0.75	65.3	0.74	60.8	0.63	2.1	5.2	2.2
MS80M1-4	0.55	0.75	1.57	1395	71.0	0.75	69.2	0.74	67.2	0.64	2.4	5.2	2.3
MS80M2-4	0.75	1.0	2.03	1395	79.6	0.76	71.7	0.75	69.8	0.67	2.3	6.0	2.3
MS90S-4	1.1	1.5	2.89	1405	81.4	0.77	73.1	0.75	70.8	0.67	2.3	6.0	2.3
MS90L-4	1.5	2	3.70	1405	82.8	0.79	76.1	0.76	73.7	0.69	2.3	6.0	2.3
MS100L1-4	2.2	3	5.16	1435	84.3	0.81	78.0	0.79	75.5	0.69	2.3	7.0	2.3
MS100L2-4	3.0	4	6.78	1435	85.5	0.82	79.9	0.78	77.5	0.70	2.3	7.0	2.3
MS112M-4	4.0	5.5	8.80	1445	86.6	0.82	81.9	0.79	79.6	0.70	2.3	7.0	2.3
MS132S-4	5.5	7.5	11.7	1445	87.7	0.83	82.8	0.81	80.4	0.73	2.3	7.0	2.3
MS132M-4	7.5	10	15.6	1445	88.7	0.84	84.8	0.82	82.6	0.74	2.3	7.0	2.3
MS160M-4	11	15	22.3	1465	89.8	0.84	85.8	0.83	83.8	0.75	2.2	7.0	2.3
MS160L-4	15	20	30.1	1465	90.6	0.85	90.0	0.83	88.5	0.75	2.2	7.5	2.3
同步转速1000转/分 (6极) 380V/50Hz Synchronous Speed 1000r/min(6 poles)													
MS71M1-6	0.18	0.25	0.74	850	56.0	0.66	54.6	0.66	53.0	0.65	1.9	4.0	2.0
MS71M2-6	0.25	0.33	0.95	850	59.0	0.68	57.5	0.68	56.1	0.62	1.9	4.0	2.0
MS80M1-6	0.37	0.50	1.30	895	62.0	0.70	60.5	0.69	59.1	0.64	1.9	4.7	2.0
MS80M2-6	0.55	0.75	1.79	895	65.0	0.72	63.3	0.71	60.1	0.64	1.9	4.7	2.1
MS90S-6	0.75	1	2.29	915	75.9	0.72	67.3	0.72	66.3	0.65	2.0	5.5	2.1
MS90L-6	1.1	1.5	3.18	915	78.1	0.73	70.2	0.72	68.0	0.66	2.0	5.5	2.2
MS100L-6	1.5	2	3.94	945	79.8	0.75	74.0	0.75	71.0	0.68	2.0	5.5	2.1
MS112M-6	2.2	3	5.60	945	81.8	0.73	77.1	0.77	75.1	0.69	2.0	6.5	2.1
MS132S-6	3.0	4	7.40	965	83.3	0.76	78.9	0.77	76.1	0.69	2.1	6.5	2.1
MS132M1-6	4.0	5.5	9.80	965	84.6	0.76	80.0	0.76	77.5	0.70	2.1	6.5	2.1
MS132M2-6	5.5	7.5	12.9	965	86.0	0.77	82.1	0.77	79.4	0.70	2.1	6.5	2.1
MS160M-6	7.5	10	17.0	975	87.2	0.77	83.4	0.77	82.4	0.70	2.0	6.5	2.1
MS160L-6	11	15	24.2	975	88.7	0.78	86.6	0.78	84.8	0.72	2.0	6.5	2.1
同步转速750转/分 (8极) 380V/50Hz Synchronous Speed 750r/min(8 poles)													
MS80M1-8	0.18	0.25	0.88	630	51.0	0.61	47.9	0.52	44.6	0.54	1.8	4.0	1.9
MS80M2-8	0.25	0.33	1.15	640	54.0	0.61	48.9	0.54	45.3	0.55	1.8	4.0	1.9
MS90S-8	0.37	0.50	1.49	660	62.0	0.61	55.6	0.57	50.7	0.56	1.8	4.0	1.9
MS90L-8	0.55	0.75	2.18	660	63.0	0.61	55.9	0.58	50.9	0.59	1.8	4.0	2.0
MS100L1-8	0.75	1	2.17	690	71.0	0.67	60.9	0.65	59.7	0.56	1.8	4.0	2.0
MS100L2-8	1.1	1.5	2.39	690	73.0	0.69	72.0	0.61	59.8	0.57	1.8	5.0	2.0
MS112M-8	1.5	2	4.50	680	75.0	0.69	74.2	0.64	59.8	0.58	1.8	5.0	2.0
MS132S-8	2.2	3	6.00	710	78.0	0.71	77.2	0.61	60.1	0.58	1.8	6.0	2.0
MS132M-8	3.0	4	7.90	710	79.0	0.73	78.2	0.62	60.0	0.59	1.8	6.0	2.0
MS160M1-8	4.0	5.5	10.3	720	81.0	0.73	80.2	0.63	61.0	0.58	1.9	6.0	2.0
MS160M2-8	5.5	7.5	13.6	720	83.0	0.74	81.2	0.61	62.0	0.59	2.0	6.0	2.0
MS160L-8	7.5	10	17.8	720	85.5	0.75	84.5	0.63	65.9	0.59	2.0	6.0	2.0

安装尺寸 Overall&Installation dimensions



Frame No.	Installation Size									Installation Size IMB14					Installation Size IMB5					Overall Dimension				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L
63	100	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3	120	120	97	160	211
71	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	135	140	104	175	240
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3	165	130	200	12	3.5	155	160	113	193	284
90S	140	100	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	175	123	213	316
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	175	123	213	341
100L	160	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	15	4	200	195	157	257	377
112M	190	140	70	28	60	8	24	112	12	130	110	160	M8	3.5	215	180	250	15	4	226	220	163	275	392
132S	216	140	89	38	80	10	33	132	12	165	130	200	M10	3.5	265	230	300	15	4	265	265	183	315	463
132M	216	178	89	38	80	10	33	132	12	165	130	200	M10	3.5	265	230	300	15	4	265	265	183	315	501
160M	254	210	108	42	110	12	37	160	15	215	180	250	M12	4	300	250	350	19	5	310	320	223	383	606
160L	254	254	108	42	110	12	37	160	15	215	180	250	M12	4	300	250	350	19	5	310	320	223	383	650

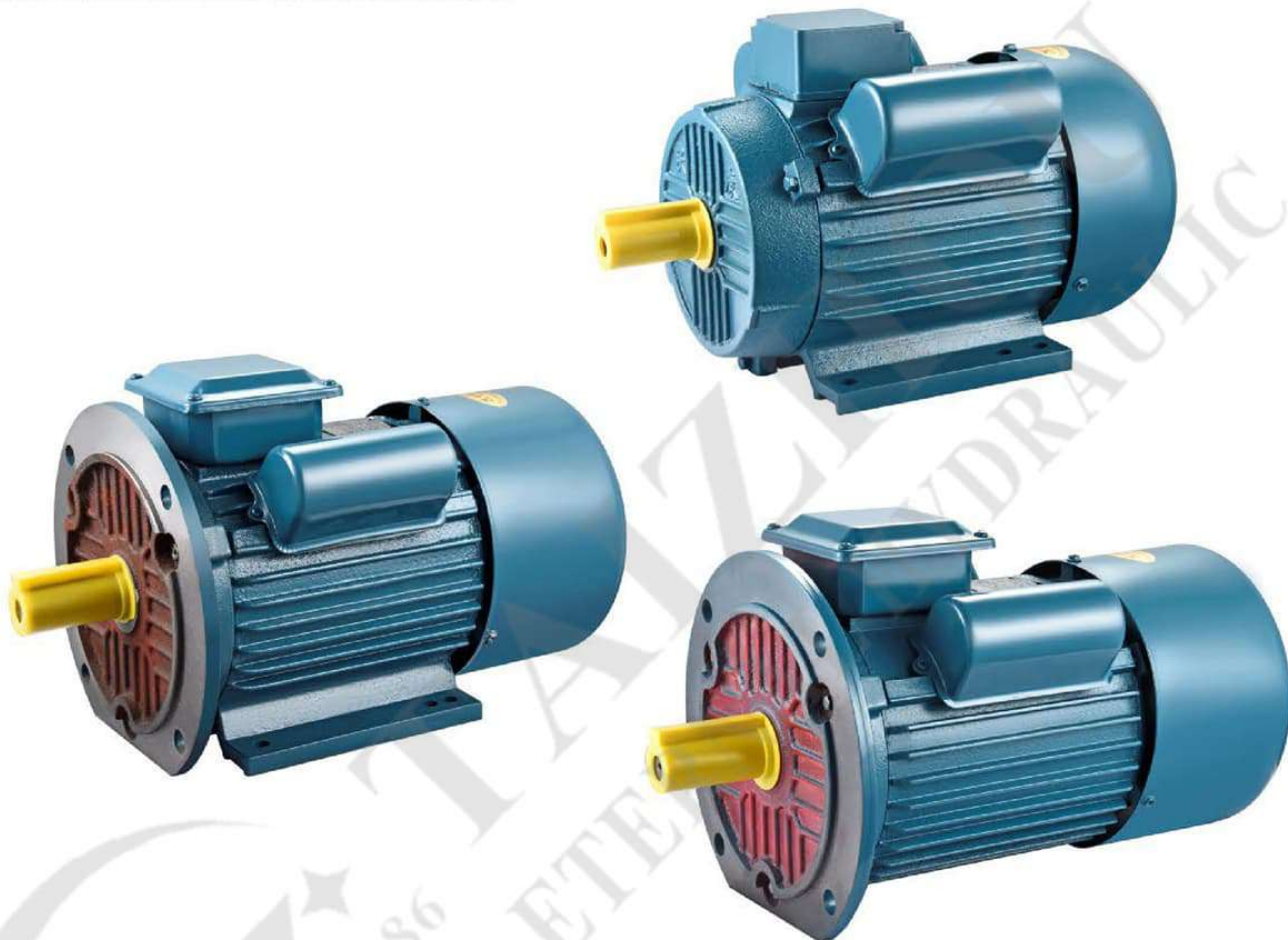


1.轴套(Shaft cover)	11.定子(Stator)	21.接线板(Terminal board)
2.前端盖(Front endshield)	12.机座(Frame)	22.电容盒座(Capacitor box base)
3.螺栓(Bolt)	13.铭牌(Name plate)	23.电容器(Capacitor)CBB60
4.弹簧垫圈(Spring washer)	14.波形垫圈(Wave form)	24.电容器(Capacitor)CD60
5.离心底板(Centrifugal backplane)	15.后端盖(Rear endshield)	25.电容盒盖(Capacitor box lid)
6.轴承(Bearing)	16.风叶(Fan)	26.螺丝(Screw)
7.键(Key)	17.风叶卡簧(Fan clamp)	27.接地标志(Earth mark)
8.卡簧(Clamp)	18.风罩(Fan cowl)	28.PG
9.转子(Rotor)	19.风罩螺丝(Fan cowl Screw)	
10.离心开关(Centrifugal switch)	20.皮垫 (Leather washer)	

YL SERIES

YL系列单相双值电容异步电动机

YL SERIES SINGLE PHASE DUAL CAPACITORS INDUCTION MOTOR



产品概述 PRODUCT OVERVIEW

YL系列单相双值电容异步电动机是按照国家标准设计和制造的，具有低噪音，结构紧凑，重量轻，维修方便等特点。这些电机广泛应用于空气压缩机，水泵，风机，减速机，食品机械，小型机械等，特别是对只能提供单相电源的场所非常适用。

YL series single phase dual capacitor induction motor is designed and manufactured in accordance with national standard, newly developed by our company with low noise, compact construction, light weight, easy maintenance etc.

These motors are widely used in air compressors, pumps, fans, refrigerator, medical instruments, small-size machines etc, especially for occasion where only single-phase power supply is available.

使用条件 CONDITIONS OF USE

环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

海拔: 不超过1000m

额定电压: 220V

额定频率: 50Hz、60Hz

防护等级: IP44、IP54

绝缘等级: B级、F级

冷却方式: ICO141

工作方式: 连续S1

Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

Altitude: not exceeding 1000m

Rated voltage: 220V

Rated Frequency: 50Hz, 60Hz

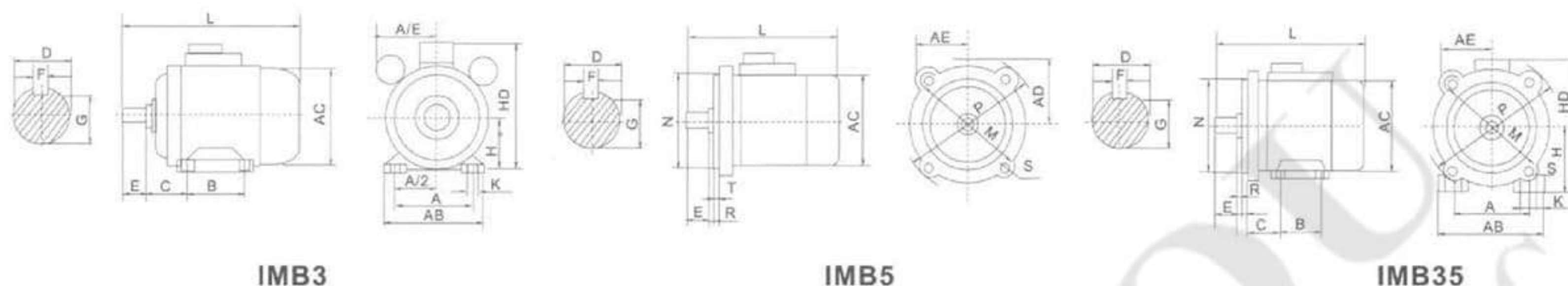
Protection Level: IP44, IP54

Insulation Class: Class B, Class F

Cooling mode: ICO141

Working mode: continuous S1

安装尺寸 Overall&Installatiorn dimensions



Frame No.	Mounting Dimensions(mm)															Overall Dimension(mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	145	145	140	180	255
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	160	165	150	200	295
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	160	240	370
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	160	240	400
100L	150	125	63	28	60	8	24	100	12	215	180	250	0	15	4.0	205	220	180	260	430
112M	190	140	70	28	60	8	24	112	12	215	180	250	0	15	4.0	245	250	190	300	455
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	4.0	280	262	210	350	525
132M	216	178	89	38	80	10	33	132	12	265	230	300	0	15	4.0	280	262	210	350	553

技术参数 Technical Data

型号 Type	功率Output		电压 Voltage (V)	频率 Frequency (Hz)	电流 Current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因数 Power factor	堵转转矩 额定转矩 Tstart/Tn	堵转电流 额定电流 Ist/In	最大转矩 额定转矩 Tmax/Tn
	kW	HP									
YL7112	0.37	0.5	220	50	2.73	2800	67	0.92	1.8	6.0	1.8
YL7122	0.55	0.75	220	50	3.88	2800	70	0.92	1.8	6.0	1.8
YL7114	0.25	0.33	220	50	1.99	1400	62	0.92	1.8	6.0	1.8
YL7124	0.37	0.5	220	50	2.81	1400	65	0.92	1.8	6.0	1.8
YL8012	0.75	1	220	50	5.15	2800	72	0.92	1.8	6.0	1.8
YL8022	1.1	1.5	220	50	7.02	2800	75	0.95	1.8	6.0	1.8
YL8014	0.55	0.75	220	50	4.0	1400	68	0.92	1.8	6.0	1.8
YL8024	0.75	1	220	50	5.22	1400	71	0.92	1.8	6.0	1.8
YL90S-2	1.5	2	220	50	9.4	2800	76	0.95	1.8	6.0	1.8
YL90L-2	2.2	3	220	50	13.7	2800	77	0.95	1.8	6.0	1.8
YL90S-4	1.1	1.5	220	50	7.21	1400	73	0.95	1.8	6.0	1.8
YL90L-4	1.5	2	220	50	9.57	1400	75	0.95	1.8	6.0	1.8
YL100L-2	3	4	220	50	18.4	2820	78	0.95	1.8	6.0	1.8
YL100L1-4	2.2	3	220	50	13.9	1410	76	0.95	1.8	6.0	1.8
YL100L2-4	3	4	220	50	18.6	1420	77	0.95	1.8	6.0	1.8
YL112M-2	3.7	5	220	50	22.2	2820	80	0.95	1.8	6.0	1.8
YL112M-4	2.2	3	220	50	13.9	1410	76	0.95	1.8	6.0	1.8
YL112M1-4	3	4	220	50	18.17	1420	77	0.95	1.8	6.0	1.8
YL112M2-4	3.7	5	220	50	23	1430	78	0.95	1.8	6.0	1.8
YL132S1-4	3	4	220	50	18.17	1420	77	0.95	1.8	6.0	1.8
YL132S2-4	3.7	5	220	50	23	1430	78	0.95	1.8	6.0	1.8
YL132M-4	5.5	7.5	220	50	32.5	1430	81	0.95	1.8	6.0	1.8

ML SERIES

ML系列铝壳单相双值电容异步电动机

ML SERIES ALUMINUM SHELL SINGLE-PHASE DUAL-VALUE
CAPACITANCE ASYNCHRONOUS MOTOR



产品概述 PRODUCT OVERVIEW

MY系列铝壳单相电容运转异步电动机，符合国际电工协会IEC有关规定，选用优质原材料，进行最新式整体设计，具有性能好、噪音低、振动小、运行安全可靠、外观美观、体积小、重量轻、结构简单、维护方便等特点。

MY series aluminum shell of single-phase capacitor running asynchronous motor, in conformity with the relevant provisions of the international association of electrician IEC, choose high quality raw materials, the latest overall design, has a good performance low noise, little vibration, safety and reliable operation and beautiful appearance, small volume, light weight, simple structure convenient maintenance, etc

使用条件 CONDITIONS OF USE

环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

海拔: 不超过1000m

额定电压: 220V

额定频率: 50Hz、60Hz

防护等级: IP54

绝缘等级: B级、F级

冷却方式: ICO141

工作方式: 连续S1

Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

Altitude: not exceeding 1000m

Rated voltage: 220V

Rated Frequency: 50Hz, 60Hz

Protection Level: IP54

Insulation Class: Class B, Class F

Cooling mode: ICO141

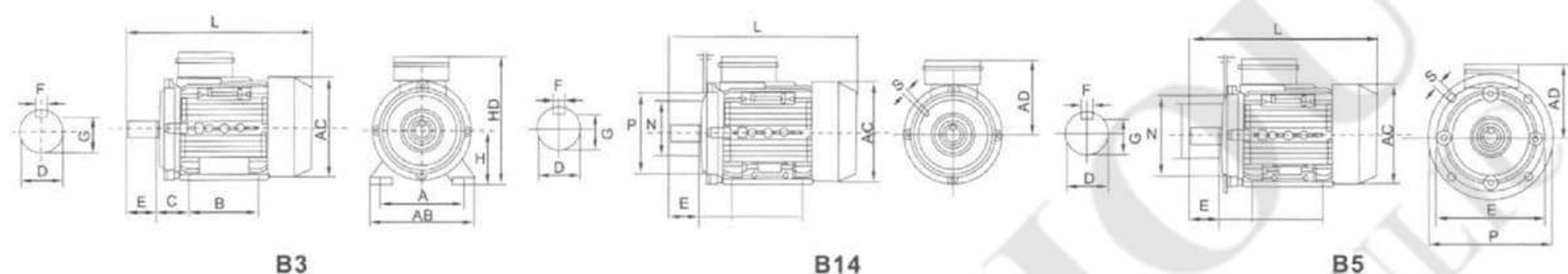
Working mode: continuous S1

ML系列铝壳单相双值电容异步电动机

ML Series Aluminum Shell Single-Phase Dual Value Capacitance Asynchronous Motor



安装尺寸 Overall&Installatiorn dimensions



Frame No.	A	Installation Size								Installation Size IMB14						Installation Size IMB5						Overall Dimension				
		B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	145	265	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	200	195	160	260	412
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	226	220	166	278	421

技术参数 Technical Data

型号 Type	功率Output		电压 Voltage (V)	频率 Frequency (Hz)	电流 Current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因数 Power factor	堵转转矩 额定转矩 Tstart/Tn	堵转电流 额定电流 Ist/In	最大转矩 额定转矩 Tmax/Tn
	kW	HP									
ML7112	0.37	0.5	220	50	2.60	2760	68	0.95	2.2	6.5	1.7
ML7122	0.55	0.75	220	50	3.71	2760	71	0.95	2.2	6.5	1.7
ML8012	0.75	1	220	50	4.92	2780	73	0.95	2.2	6.5	1.7
ML8022	1.1	1.5	220	50	7.02	2780	75	0.95	2.2	6.5	1.7
ML90S-2	1.5	2	220	50	9.32	2800	77	0.95	2.2	6.5	1.7
ML90L-2	2.2	3	220	50	13.50	2800	78	0.95	2.2	6.5	1.7
ML100L-2	3	4	220	50	18.20	2820	79	0.95	2	7	1.7
ML112M-2	3.7	5	220	50	22.10	2820	80	0.95	2	7	1.7
ML7114	0.25	0.33	220	50	1.90	1360	63	0.95	2.2	6.5	1.7
ML7124	0.37	0.5	220	50	2.64	1360	67	0.95	2.2	6.5	1.7
ML8014	0.55	0.75	220	50	3.76	1380	70	0.95	2.2	6.5	1.7
ML8024	0.75	1	220	50	4.98	1380	72	0.95	2.2	6.5	1.7
ML90S-4	1.1	1.5	220	50	7.11	1400	74	0.95	2.2	6.5	1.7
ML90L-4	1.5	2	220	50	9.44	1400	76	0.95	2.2	6.5	1.7
ML100L1-4	2.2	3	220	50	13.70	1410	77	0.95	2	7	1.7
ML100L2-4	3	4	220	50	18.40	1420	78	0.95	2	7	1.7
ML112M-4	3.7	5	220	50	22.40	1420	79	0.95	2	7	1.7

YL SERIES

(闽东式)系列单相双值电容异步电动机

YL Series Fujian East Type Dual-Value Capacitance Asynchronous Motor Series

产品概述 PRODUCT OVERVIEW

YL系列单相双值电容异步电动机按国家标准JB/T7588要求设计制造。具有优良的起动和运行性能，噪音低、振动小、结构紧凑，重量轻和维护方便等特点。广泛用于空压机、水泵及家庭作坊等机械设备作为动力。

YL series single-phase dual-value capacitor asynchronous motor Eucalyptus national standard JB/T7588 requires the manufacture of clothes. It has excellent starting and running performance, low noise, small vibration, compact structure, light weight and easy maintenance. It is widely used in air compressor, water pump and home workshop as power.



使用条件 CONDITIONS OF USE

环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

海拔: 不超过1000m

额定电压: 220V

额定频率: 50Hz、60Hz

防护等级: IP44、IP54

绝缘等级: B级、F级

冷却方式: ICO141

工作方式: 连续S1

Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

Altitude: not exceeding 1000m

Rated voltage: 220V

Rated Frequency: 50Hz, 60Hz

Protection Level: IP44, IP54

Insulation Class: Class B, Class F

Cooling mode: ICO141

Working mode: continuous S1

技术参数 Technical Data

型 号 Type	功率 OutPut		电压 Voltage (V)	频率 Frequency (Hz)	电流 Current (A)	转速 Speed (r/min)	效率 Efficiency (%)	功率因数 Power factor (cos φ)	堵转转矩 额定转矩 Tst/TN	堵转电流 额定转矩 Ist/IN	最大转矩 额定转矩 Tmax/TN
	HP	kW									
YL90S-2	2	1.5	220	50	9.4	2800	76	0.95	1.8	6.0	1.8
YL90L-2	3	2.2	220	50	13.7	2800	77	0.95	1.8	6.0	1.8
YL90S-4	1.5	1.1	220	50	7.21	1400	73	0.95	1.8	6.0	1.8
YL90L-4	2	1.5	220	50	9.57	1400	75	0.95	1.8	6.0	1.8
YL100L-2	4	3	220	50	18.4	2820	78	0.95	1.8	6.0	1.8
YL100L1-4	3	2.2	220	50	13.9	1410	76	0.95	1.8	6.0	1.8
YL100L2-4	4	3	220	50	18.6	1420	77	0.95	1.8	6.0	1.8
YL112M-2	5	3.7	220	50	22.2	2820	80	0.95	1.8	6.0	1.8
YL112M-4	3	2.2	220	50	13.9	1410	76	0.95	1.8	6.0	1.8
YL112M1-4	4	3	220	50	18.17	1420	77	0.95	1.8	6.0	1.8
YL112M24	5	3.7	220	50	23	1430	78	0.95	1.8	6.0	1.8
YL132S1-4	4	3	220	50	18.17	1420	77	0.95	1.8	6.0	1.8
YL132S2-4	5	3.7	220	50	23	1430	78	0.95	1.8	6.0	1.8
YL132M-4	7.5	5.5	220	50	32.5	1430	81	0.95	1.8	6.0	1.8

YC SERIES

单相电容启动异步电动机

YC Series Single-phase capacitor starting asynchronous motor

产品概述 PRODUCT OVERVIEW

YC系列电动机全封闭自扇冷式,其安装方式符合国际电工协会(IEC)标准。输出功率3HP及以下采用电容启动,输出功率4HP及以上采用电容启动、运转。该系列电动机采用先进技术、优质材料,具有维护方便、运行可靠、温度低、噪声小、启动电流小,启动转矩大等特点,使用转大等特点,使用于驱动小型车床水泵,对只有单相电源的家庭作坊尤为适用。

YC series motors are fully enclosed and self-fan-cooled. The installation method conforms to IEC standard. The output power of 3HP and below is started by capacitor, and the output power of 4HP and above is started and operated by capacitor. This series of motors adopt advanced technology and high-quality materials. They have the characteristics of easy maintenance, reliable operation, low temperature, low noise, small starting current, large starting torque and so on. They are used to drive small lathe pumps, especially for home workshops with single-phase power supply.



使用条件 CONDITIONS OF USE

环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

海拔: 不超过1000m

额定电压: 220V

额定频率: 50Hz、60Hz

防护等级: IP44、IP54

绝缘等级: B级、F级

冷却方式: ICO141

工作方式: 连续S1

Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$

Altitude: not exceeding 1000m

Rated voltage: 220V

Rated Frequency: 50Hz, 60Hz

Protection Level: IP44, IP54

Insulation Class: Class B, Class F

Cooling mode: ICO141

Working mode: continuous S1

技术参数 Technical Data

型号 Type	功率 OutPut		电压 Voltage (V)	频率 Frequency (Hz)	电流 Current (A)	转速 Speed (r/min)	效率 Efficiency (%)	功率因数 Power factor (cos φ)	堵转转矩 额定转矩 Tst/TN	堵转电流 额定转矩 Ist/IN	最大转矩 额定转矩 Tmax/TN
	HP	kW									
YC80a-2	0.37	0.5	220	50	3.4	2800	66	0.74	3	6.5	2
YC80b-2	0.55	0.75	220	50	5.0	2800	67	0.74	3	6.5	2
YC80c-2	0.75	1	220	50	6.7	2800	68	0.75	3	6.5	2
YC90S-2	1.1	1.5	220	50	8.8	2800	71	0.8	2.8	7	2
YC90L-2	1.5	2	220	50	11.5	2800	72	0.82	2.8	7	2
YC100L-2	2.2	3	220	50	16.5	2820	74	0.82	2.5	7	2
YC112M1-2	3	4	220	50	21.4	2820	76	0.84	2.2	7	2
YC112M2-2	3.7	5	220	50	24.8	2820	79	0.86	2.2	7	2
YC80a-4	0.25	0.33	220	50	3.3	1400	56	0.62	3	6	2
YC80b-4	0.37	0.5	220	50	4.4	1400	60	0.64	3	6	2
YC80c-4	0.55	0.75	220	50	6.0	1400	64	0.65	3	6	2
YC90S-4	0.75	1	220	50	7.1	1400	67	0.72	2.8	6.5	2
YC90L-4	1.1	1.5	220	50	9.9	1400	70	0.72	2.8	6.5	2
YC100L-4	1.5	2	220	50	13.0	1410	72	0.73	2.8	6.5	2
YC112M-4	2.2	3	220	50	18.5	1410	73	0.74	2.5	6.5	2
YC132Sa-4	3	4	220	50	22.4	1420	76	0.8	2.2	6.5	2
YC132Sb-4	3.7	5	220	50	26.0	1430	79	0.82	2.2	6.5	2
YC132M-4	5.5	7.5	220	50	32.1	1430	82	0.95	2.2	6.5	2

JW SERIES

JW系列分马力异步电动机

JW series fractional horsepower asynchronous motor

产品概述 PRODUCT OVERVIEW

JW系列电动机是供一般用途的小功率全封闭自扇冷式三相异步电动机，其功率等级和安装尺寸符合IEC标准。具有重量轻，噪声低，起动性能好，运行可靠，维护方便等特点。外壳防护等级IP44，冷却方式IC411，广泛用于钻床，小型机床，医疗器械，风机，各种机械设备等。

This series motors are available for general-purpose low-power fully closed since the fan-cooling three-phase asynchronous motor, the Power Level and installation dimensions in line with the IEC standards. With light weight, low noise, good starting performance, reliable operation, easy maintenance and so on. enclosure protection Ip44cooling method C411, is widely used in drilling machine, small machine tools, medical equipment, fans, all kinds of mechanical equipment.



使用条件 CONDITIONS OF USE

机座号:50-71
频率:50Hz
功率范围:80-750W
防护等级:B

Frame No: 50-71
Frequency: 50Hz
Power: 80-750W
Protection Class: B

技术参数 Technical Data

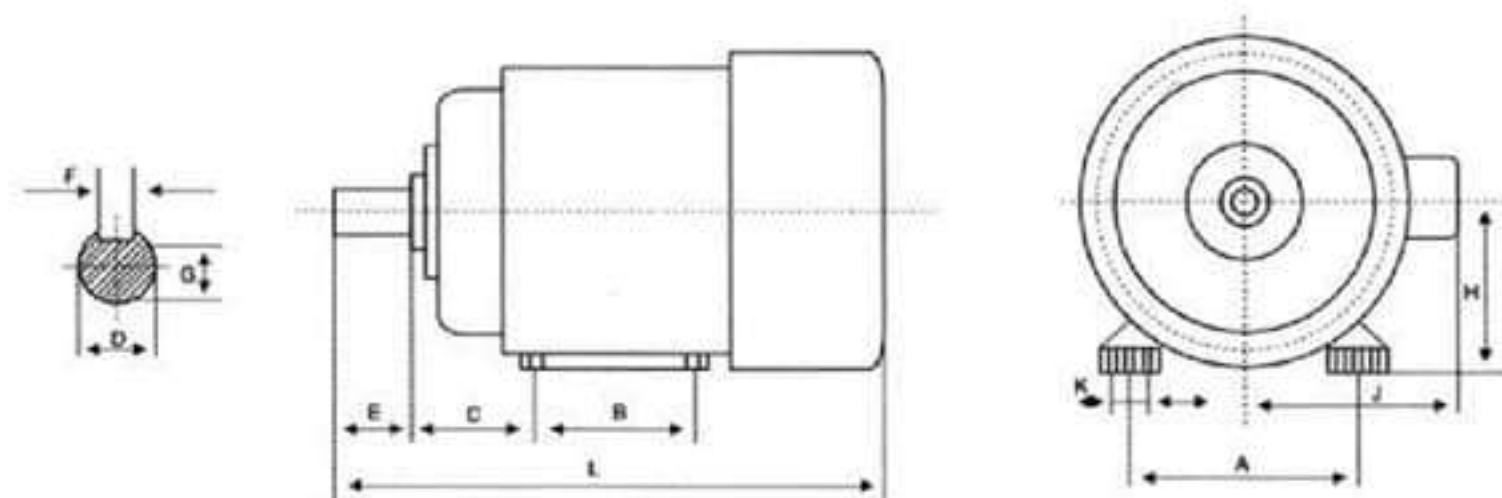
型 号 Type	功 率 Power W	电 压 Voltage (V)	转 速 Rpm (r/min)	电 流 Current (A)	效 率 Eff (%)
JW5012	60	380	2800	0.25	61
JW5022	90	380	2800	0.30	65
JW5014	40	380	1400	0.25	53
JW5024	60	380	1400	0.30	57
JW5612	120	380	2800	0.39	67
JW5622	180	380	2800	0.53	69
JW5614	90	380	1400	0.39	58
JW5624	120	380	1400	0.48	60
JW6312	250	380	2800	0.69	71
JW6322	370	380	2800	1.00	72.5
JW6314	180	380	1400	0.63	64
JW6324	250	380	1400	0.81	67
JW7112	550	380	2800	1.35	74
JW7122	750	380	2800	1.80	75
JW7104	250	380	1400	0.81	67
JW7114	370	380	1400	1.05	70
JW7124	550	380	1400	1.60	73
JW7134	750	380	1400	2.10	75
JW7116	250	380	910	0.85	62
JW7126	370	380	910	1.10	65
JW7136	550	380	910	1.60	68
JW7118	180	380	710	0.64	60
JW7128	250	380	710	0.75	62
JW7138	370	380	710	0.98	66

安装及外形尺寸 Instruction And Overall Dimension

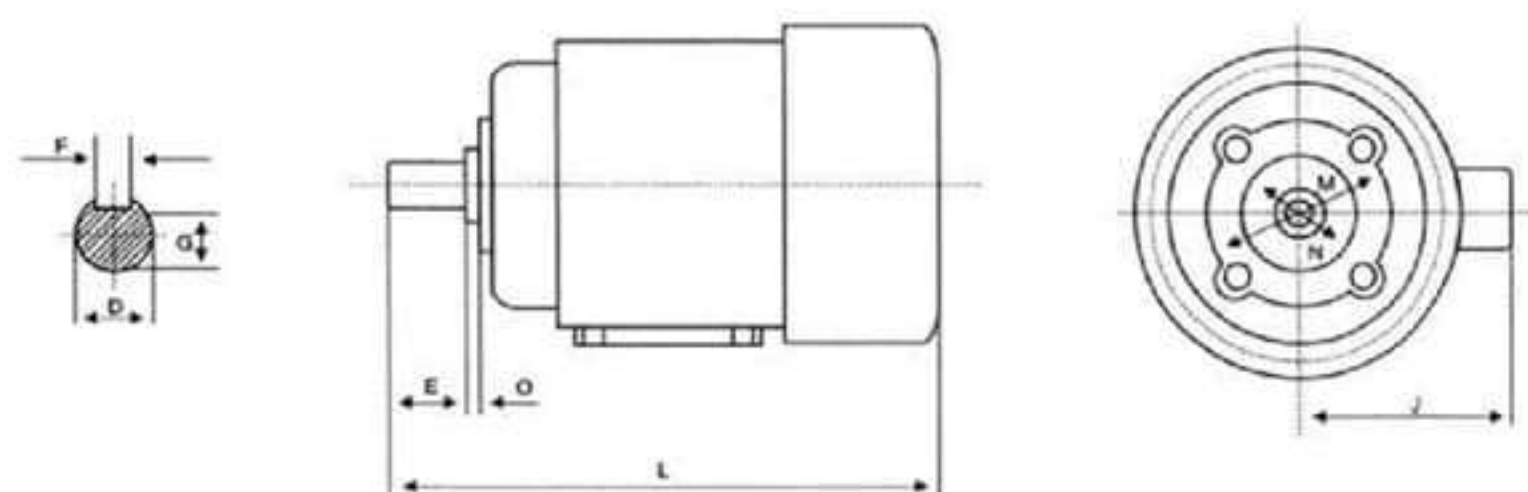
(mm)

机座号 Frame NO	A	B	C	D	E	F	G	H	K	M	N	e	S	≤L	≤J
71	112	90	45	16	40	5	12.8	71	10	85	70	1	M6	225	92
63	100	80	40	14	30	4	11.5	63	8	75	60	1	M5	230	85
56	90	70	36	11	23	4	8.5	56	7	65	50	2	M5	200	75
50	80	63	32	9	20	3	8	50	6	55	40	2	M5	150	60

IMB3 卧式安装 Horizontal foot mounted



IMB14 小法兰式安装 Small flange



JX SERIES

JX系列分马力异步电动机

JX series fractional horsepower asynchronous motor

产品概述 PRODUCT OVERVIEW

Jx系列电动机是供一般用途的小功率全封闭自扇冷式单相异步电动机,其功率等级和安装尺寸符合IEC标准。具有重量轻,噪声低,起动性能好,运行可靠,维护方便等特点。采用B级绝缘,外壳防护等IP44,冷却方式IC411,额定频率为50Hz,广泛用于进口农用灌溉机械,制冷设备,通风设备,洗车机械,纺织机械,食品机械等。

This series motors are available for general-purpose low-power fully closed since the fan-cooling three-phase asynchronous motor, the Power level and installation dimensions in line with the IEC standards. With light weight, low noise, good starting performance, reliable operation, easy maintenance and so on. the use of B-class insulation, enclosure protection IP44, cooling method IC411, rated frequency of 50HZ, is widely used in the import of agricultural irrigation machinery, refrigeration equipment, ventilation equipment, car washing machinery, textile machinery, food machinery, etc



技术参数 Technical Data

型号 Type	功率 Power W	电压 Voltage (V)	转速 Rpm (r/min)	电流 Current (A)	效率 Eff (%)	电容器 Capacitor
JX06B-2	25	220	2800	0.33	42	1.5
JX06A-2	40	220	2800	0.45	48	2
JX06B-4	15	220	1400	0.29	30	1.5
JX06A-4	25	220	1400	0.40	35	2
JX-5012	40	220	2800	0.50	55	2
JX-5022	60	220	2800	0.60	58	2
JX-5014	25	220	1400	0.50	57	2
JX-5024	40	220	1400	0.60	59	2
JX-5612	90	220	2800	1.00	60	4
JX-5622	120	220	2800	1.20	63	4
JX-5614	60	220	1400	0.80	61	4
JX-5624	90	220	1400	1.00	65	4
JX-6312	180	220	2800	1.44	66	4
JX-6322	250	220	2800	1.85	69	6
JX-6314	120	220	1400	1.20	53	4
JX-6324	180	220	1400	1.70	57	6
JX-7112	370	220	2800	3.00	72	8
JX-7122	550	220	2800	4.15	75	8
JX-7114	250	220	1400	2.80	64	8
JX-7124	370	220	1400	3.50	66	8

安装及外形尺寸 Instruction And Overall Dimension

(mm)

机座号 Frame NO	A	B	C	D	E	F	G	H	K	M	N	e	S	≤L	≤J
71	112	90	45	16	40	5	12.8	71	10	85	70	1	M6	225	92
63	100	80	40	14	30	4	11.5	63	8	75	60	1	M5	230	85
56	90	70	36	11	23	4	8.5	56	7	65	50	2	M5	200	75
50	80	63	32	9	20	3	8	50	6	55	40	2	M5	150	60

IMB3
卧式安装
Horizontal foot mounted

