

IE5/YE5

直连电机
Direct connected motor



直连电机

Direct connected motor



IE3/YE3

铁壳三相异步电动机
Iron shell three-phase asynchronous motor



B3

YL/ML

单相异步铝壳电动机
Yl/ml series single phase asynchronous aluminum shell motor



B5

YS

铝壳三相异步电动机

YS series aluminum shell three phase asynchronous motor



B3



B5



B14

YEJ

制动电机

YEJ brake motor



B3



B5



B14

YVF

变频调速三相电机

Yvf frequency control three phase motor



B3



B5



B14

YY/MY

单相异步铝壳电动机

YY, my series single phase asynchronous aluminum motor



B14

IE5/YE5

超高效三相异步电动机

High efficiency three phase asynchronous motor

技术参数 / Technical parameters

SPEED 3000RPM 2-POLE 50HZ

High Efficiency (IE5-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE5)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE5-562-2	0.12	0.18	2760	71.4	71.4	70.0	0.72	0.35	0.34	0.32	0.42	2.1	2.2	5.2	6.1
YE5-631-2	0.18	0.25	2745	75.2	75.2	73.7	0.80	0.45	0.43	0.42	0.63	2.2	2.2	5.5	7.2
YE5-632-2	0.25	0.37	2745	78.3	78.3	76.7	0.81	0.60	0.57	0.55	0.87	2.2	2.2	5.5	7.5
YE5-711-2	0.37	0.5	2765	81.7	81.7	80.1	0.81	0.85	0.81	0.78	1.28	2.2	2.2	6.1	8
YE5-712-2	0.55	0.75	2765	84.6	84.6	82.9	0.82	1.20	1.14	1.10	1.90	2.3	2.3	6.1	9.2
YE5-801-2	0.75	1	2910	86.3	86.3	84.6	0.82	1.61	1.53	1.47	2.46	2.3	2.3	8.5	11.8
YE5-802-2	1.1	1.5	2920	87.8	87.8	86.0	0.83	2.29	2.18	2.10	3.60	2.2	2.3	8.5	12.5
YE5-90S-2	1.5	2	2930	88.9	88.9	87.1	0.84	3.05	2.90	2.79	4.89	2.2	2.3	9.0	17.2
YE5-90L-2	2.2	3	2930	90.2	90.2	88.4	0.85	4.36	4.14	3.99	7.17	2.2	2.3	9.0	22
YE5-100L-2	3	4	2935	91.1	91.1	89.3	0.87	5.75	5.46	5.27	9.76	2.2	2.3	9.5	25.2
YE5-112M-2	4	5.5	2940	91.8	91.8	90.0	0.88	7.52	7.15	6.89	13.0	2.2	2.3	9.5	45
YE5-132S1-2	5.5	7.5	2945	92.6	92.6	90.7	0.88	10.3	9.7	9.39	17.8	2.0	2.3	9.5	50
YE5-132S2-2	7.5	10	2950	93.3	93.3	91.4	0.88	13.9	13.2	12.7	24.3	2.0	2.3	9.5	56

技术参数 / Technical parameters

SPEED 1500RPM 4-POLE 50HZ

High Efficiency (IE5-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE5)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE5-631-4	0.12	0.18	1340	74.3	74.3	72.8	0.72	0.34	0.32	0.31	0.86	2.1	2.2	4.4	5.9
YE5-632-4	0.18	0.25	1340	78.7	78.7	77.1	0.73	0.48	0.45	0.44	1.28	2.1	2.2	4.4	6.6
YE5-711-4	0.25	0.37	1355	81.5	81.5	79.9	0.74	0.63	0.60	0.58	1.76	2.1	2.2	5.2	8
YE5-712-4	0.37	0.5	1355	84.3	84.3	82.6	0.75	0.89	0.84	0.81	2.61	2.1	2.2	5.2	9
YE5-801-4	0.55	0.75	1420	86.7	86.7	85.0	0.75	1.29	1.22	1.18	3.70	2.4	2.3	5.2	11
YE5-802-4	0.75	1	1430	88.2	88.2	86.4	0.75	1.72	1.64	1.58	5.01	2.3	2.3	8.5	14
YE5-90S-4	1.1	1.5	1445	89.5	89.5	87.7	0.76	2.46	2.33	2.25	7.27	2.3	2.3	8.5	18
YE5-90L-4	1.5	2	1450	90.4	90.4	88.6	0.77	3.27	3.11	3.00	9.88	2.3	2.3	9.0	21
YE5-100L1-4	2.2	3	1455	91.4	91.4	89.6	0.81	4.51	4.29	4.13	14.4	2.3	2.3	9.0	27
YE5-100L2-4	3	4	1455	92.1	92.1	90.3	0.82	6.04	5.73	5.53	19.7	2.3	2.3	9.5	33
YE5-112M-4	4	5.5	1460	92.8	92.8	90.9	0.82	7.99	7.59	7.31	26.2	2.2	2.3	9.5	41
YE5-132S-4	5.5	7.5	1470	93.4	93.4	91.5	0.83	10.8	10.2	9.87	35.7	2.0	2.3	9.5	53.5
YE5-132M-4	7.5	10	1470	94.0	94.0	92.1	0.84	14.4	13.7	13.2	48.7	2.0	2.3	9.5	69

技术参数 / Technical parameters

SPEED 1000RPM 6-POLE 50HZ

High Efficiency (IE5-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE5)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE5-632-6	0.12	0.18	860	69.8	69.8	68.4	0.60	0.44	0.41	0.40	1.33	1.8	1.9	3.5	7.2
YE5-711-6	0.18	0.25	860	74.6	74.6	73.1	0.66	0.56	0.53	0.51	2.00	1.9	2.0	4.0	10.5
YE5-712-6	0.25	0.37	860	78.1	78.1	76.5	0.68	0.72	0.68	0.65	2.78	1.9	2.0	4.0	11.1
YE5-801-6	0.37	0.5	895	81.6	81.6	80.0	0.70	0.98	0.93	0.90	3.95	1.9	2.0	4.7	13.3
YE5-802-6	0.55	0.75	895	84.2	84.2	82.5	0.72	1.38	1.31	1.26	5.87	1.9	2.1	4.7	14.5
YE5-90S-6	0.75	1	950	85.7	85.7	84.0	0.71	1.87	1.78	1.71	7.54	2.0	2.1	7.5	18.4
YE5-90L-6	1.1	1.5	955	87.2	87.2	85.5	0.73	2.63	2.49	2.40	11.0	2.0	2.1	7.5	23.7
YE5-100L-6	1.5	2	960	88.4	88.4	86.6	0.73	3.53	3.36	3.23	14.9	2.0	2.1	7.5	35
YE5-112M-6	2.2	3	965	89.7	89.7	87.9	0.74	5.04	4.78	4.61	21.8	2.0	2.1	7.5	40.4
YE5-132S-6	3	4	970	90.6	90.6	88.8	0.74	6.80	6.46	6.23	29.5	2.0	2.1	7.5	48
YE5-132M1-6	4	5.5	975	91.4	91.4	89.6	0.74	8.99	8.54	8.23	39.2	2.0	2.1	8.0	57
YE5-132M2-6	5.5	7.5	975	92.2	92.2	90.4	0.75	12.1	11.5	11.1	53.9	2.0	2.1	8.0	65

技术参数 / Technical parameters

SPEED 750RPM 8-POLE 50HZ

High Efficiency (IE5-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE5)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE5-712-8	0.12	0.18	610	67.4	67.4	66.1	0.57	0.47	0.45	0.43	1.88	1.8	1.9	2.8	11.6
YE5-801-8	0.18	0.25	655	71.9	71.9	70.5	0.61	0.62	0.59	0.57	2.62	1.8	1.9	3.3	13
YE5-802-8	0.25	0.37	655	75.2	75.2	73.7	0.61	0.83	0.79	0.76	3.65	1.8	1.9	3.3	13.7
YE5-90S-8	0.37	0.5	680	78.4	78.4	76.8	0.61	1.18	1.12	1.08	5.20	1.8	1.9	4.0	18.8
YE5-90L-8	0.55	0.75	680	80.6	80.6	79.0	0.61	1.70	1.61	1.56	7.72	1.8	2.0	4.0	23.2
YE5-100L1-8	0.75	1	700	82.0	82.0	80.4	0.67	2.07	1.97	1.90	10.2	1.8	2.0	7.0	32.3
YE5-100L2-8	1.1	1.5	700	84.0	84.0	82.3	0.69	2.88	2.74	2.64	15.0	1.8	2.0	7.0	35
YE5-112M-8	1.5	2	710	85.5	85.5	83.8	0.70	3.81	3.62	3.49	20.2	1.8	2.0	7.0	41.6
YE5-132S-8	2.2	3	720	87.2	87.2	85.5	0.71	5.40	5.13	4.94	29.2	1.8	2.0	7.5	55
YE5-132M-8	3	4	720	88.4	88.4	86.6	0.73	7.06	6.71	6.47	39.8	1.8	2.0	7.8	64

IE4/YE4

超高效三相异步电动机

High efficiency three phase asynchronous motor



产品概述 / Product overview

YE4-80~132(IP54~IP55)系列小型低压三相异步电动机是我公司设计开发的高效节能三相异步电动机，具有设计新颖、造型美观、噪声低、转矩高、启动性能好，结构紧凑、使用维护方便等特点。其效率完全达到GB18613-2012《中小型三相异步电动机能效限定值及能效等级》中的1级自并通过了中国质量认证中心的节能产品认证，取得中国节能产品认证证书。

本系列电动机的功率等级、电气性能和安装尺寸及公差均符合国家标准GB755《旋转电机》国际电工委员会标准IEC34-1《旋转电机定额和性能》和机械行业标准GB/T4772.1等。

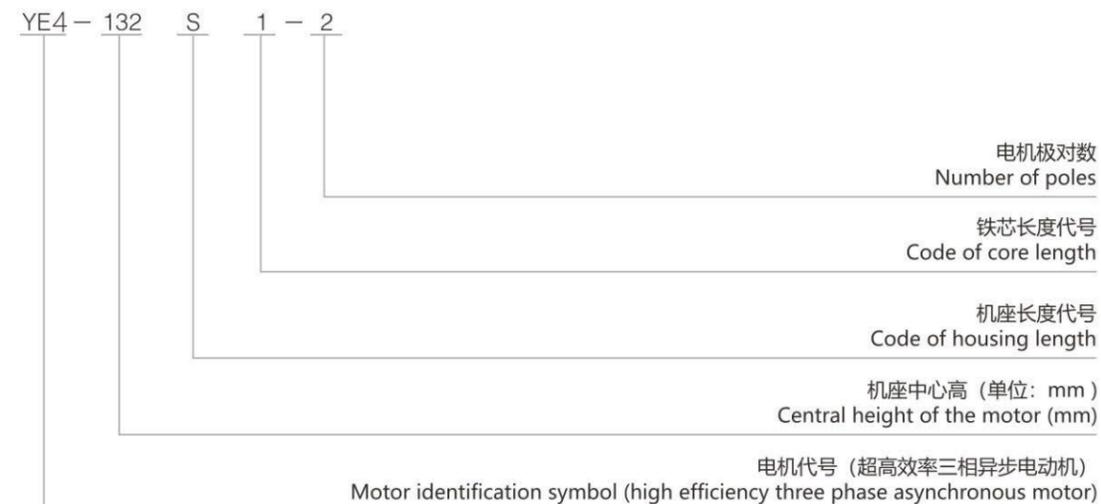
本系列电动机的外壳防护等级根据GB4942.1和IEC34-5《旋转电机外壳防护等级》的标准本系列电动机的冷却方法根据GB/T1993和IEC34-6《旋转电机冷却方法》的标准为IC411。

本系列电动机的结构及安装型式为IMB3(卧式带底脚，端盖无凸缘),IMB5(卧式机座不带底脚，端盖有凸缘),IMB35(卧式机座带底脚，端盖有凸缘),IMV1(立式机座不带底脚，端盖有凸缘)符合GB/T997和IEC34-7《电机结构及安装型式代号》的规定。

本系列电动机采用F级绝缘，且全系列温升按B级考核，从而大大提高了安全可靠。

型号说明 / Model description

电机型号释义 / Explanation of type designation YE3- 132 S 1 - 2esignation



安装方式(Mounting Arrangements): IMB3、IMB5、IMB6、IMB7、IMB8、IMB14、IMB34、IMB35、IMV1、IMV3、IMV5、IMV6、IMV15、IMV17、IMV18、IMV19、IMV35、IMV37。

使用条件 / Operating conditions

环境温度: -15°C~40°C

海拔: 不超过1000米

额定电压: 380V、400V、415V

额定频率: 50Hz、60Hz

接法: 额定功率3kW及以下电机为Y接法
额定功率4kW及以上电机为△接法

工作制: 连续工作制 (S1)

防护等级: IP54/IP55

绝缘等级: B级/F级

冷却方式: IC411

Ambient Temperature: - 15°C ~40°C

Altitude: Up to 1000 meters

Rated Voltage: 380V, 400V, 415V

Rated Frequency: 50Hz, 60Hz

Connection: Output ≤3kW, 'Y' connection
Output ≥4kW, '△' connection;

Duty: Continuous (S1)

Ingress Protection: IP54 / IP55

Insulation Class: Class B / Class F

Cooling Method: IC411

IE4/YE4

超高效三相异步电动机

High efficiency three phase asynchronous motor

技术参数 / Technical parameters

SPEED 3000RPM 2-POLE 50HZ

High Efficiency (IE4-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE4)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE4-562-2	0.12	0.18	2760	66.5	66.5	65.2	0.72	0.38	0.36	0.35	0.42	2.1	2.2	5.2	5.5
YE4-631-2	0.18	0.25	2745	70.8	70.8	69.4	0.80	0.48	0.46	0.44	0.63	2.2	2.2	5.5	6.5
YE4-632-2	0.25	0.37	2745	74.3	74.3	72.8	0.81	0.63	0.60	0.58	0.87	2.2	2.2	5.5	6.8
YE4-711-2	0.37	0.5	2765	78.1	78.1	76.5	0.81	0.89	0.84	0.81	1.28	2.2	2.2	6.1	7.3
YE4-712-2	0.55	0.75	2765	81.5	81.5	79.9	0.82	1.25	1.19	1.14	1.90	2.3	2.3	6.1	8.5
YE4-801-2	0.75	1	2910	83.5	83.5	81.8	0.82	1.66	1.58	1.52	2.46	2.3	2.3	7.0	11
YE4-802-2	1.1	1.5	2920	85.2	85.2	83.5	0.83	2.36	2.25	2.16	3.60	2.2	2.3	7.3	11.6
YE4-90S-2	1.5	2	2930	86.5	86.5	84.8	0.84	3.14	2.98	2.87	4.89	2.2	2.3	7.6	16
YE4-90L-2	2.2	3	2930	88.0	88.0	86.2	0.85	4.47	4.25	4.09	7.17	2.2	2.3	7.6	20.6
YE4-100L-2	3	4	2935	89.1	89.1	87.3	0.87	5.88	5.59	5.38	9.76	2.2	2.3	7.8	23.7
YE4-112M-2	4	5.5	2940	90.0	90.0	88.2	0.88	7.67	7.29	7.03	13.0	2.2	2.3	8.3	42
YE4-132S1-2	5.5	7.5	2945	90.9	90.9	89.1	0.88	10.4	9.9	9.57	17.8	2.0	2.3	8.3	46
YE4-132S2-2	7.5	10	2950	91.7	91.7	89.9	0.88	14.1	13.4	12.9	24.3	2.0	2.3	7.9	52

技术参数 / Technical parameters

SPEED 1500RPM 4-POLE 50HZ

High Efficiency (IE4-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE4)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE4-631-4	0.12	0.18	1340	69.8	69.8	68.4	0.72	0.36	0.34	0.33	0.86	2.1	2.2	4.4	5.2
YE4-632-4	0.18	0.25	1340	74.7	74.7	73.2	0.73	0.50	0.48	0.46	1.28	2.1	2.2	4.4	5.8
YE4-711-4	0.25	0.37	1355	77.9	77.9	76.3	0.74	0.66	0.63	0.6	1.76	2.1	2.2	5.2	7.2
YE4-712-4	0.37	0.5	1355	81.1	81.1	79.5	0.75	0.92	0.88	0.85	2.61	2.1	2.2	5.2	8.2
YE4-801-4	0.55	0.75	1420	83.9	83.9	82.2	0.75	1.33	1.26	1.22	3.70	2.4	2.3	5.2	10
YE4-802-4	0.75	1	1430	85.7	85.7	84.0	0.75	1.77	1.68	1.62	5.01	2.3	2.3	6.6	12.9
YE4-90S-4	1.1	1.5	1445	87.2	87.2	85.5	0.76	2.52	2.40	2.31	7.27	2.3	2.3	6.8	16.8
YE4-90L-4	1.5	2	1450	88.2	88.2	86.4	0.77	3.36	3.19	3.07	9.88	2.3	2.3	7.0	19.7
YE4-100L1-4	2.2	3	1455	89.5	89.5	87.7	0.81	4.61	4.38	4.22	14.4	2.3	2.3	7.6	25.5
YE4-100L2-4	3	4	1455	90.4	90.4	88.6	0.82	6.15	5.84	5.63	19.7	2.3	2.3	7.6	31.3
YE4-112M-4	4	5.5	1460	91.1	91.1	89.3	0.82	8.14	7.73	7.45	26.2	2.2	2.3	7.8	39.2
YE4-132S-4	5.5	7.5	1470	91.9	91.9	90.1	0.83	11.0	10.4	10.0	35.7	2.0	2.3	7.9	51.2
YE4-132M-4	7.5	10	1470	92.6	92.6	90.7	0.84	14.6	13.9	13.4	48.7	2.0	2.3	7.5	65

技术参数 / Technical parameters

SPEED 1000RPM 6-POLE 50HZ

High Efficiency (IE4-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE4)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE4-632-6	0.12	0.18	860	64.9	64.9	63.6	0.60	0.47	0.44	0.43	1.33	1.8	1.9	3.5	6.5
YE4-711-6	0.18	0.25	860	70.1	70.1	68.7	0.66	0.59	0.56	0.54	2.00	1.9	2.0	4.0	9.8
YE4-712-6	0.25	0.37	860	74.1	74.1	72.6	0.68	0.75	0.72	0.69	2.78	1.9	2.0	4.0	10.3
YE4-801-6	0.37	0.5	895	78.0	78.0	76.4	0.70	1.03	0.98	0.94	3.95	1.9	2.0	4.7	12.5
YE4-802-6	0.55	0.75	895	80.9	80.9	79.3	0.72	1.43	1.36	1.31	5.87	1.9	2.1	4.7	13.6
YE4-90S-6	0.75	1	950	82.7	82.7	81.0	0.71	1.94	1.84	1.78	7.54	2.0	2.1	6.0	17.2
YE4-90L-6	1.1	1.5	955	84.5	84.5	82.8	0.73	2.71	2.57	2.48	11.0	2.0	2.1	6.0	22.4
YE4-100L-6	1.5	2	960	85.9	85.9	84.2	0.73	3.63	3.45	3.33	14.9	2.0	2.1	6.5	33.5
YE4-112M-6	2.2	3	965	87.4	87.4	85.7	0.74	5.17	4.91	4.73	21.8	2.0	2.1	6.6	38.6
YE4-132S-6	3	4	970	88.6	88.6	86.8	0.74	6.95	6.60	6.37	29.5	2.0	2.1	6.8	46
YE4-132M1-6	4	5.5	975	89.5	89.5	87.7	0.74	9.18	8.72	8.40	39.2	2.0	2.1	6.8	54
YE4-132M2-6	5.5	7.5	975	90.5	90.5	88.7	0.75	12.3	11.7	11.3	53.9	2.0	2.1	7.0	61.8

技术参数 / Technical parameters

SPEED 750RPM 8-POLE 50HZ

High Efficiency (IE5-Aluminum motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE4)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE4-712-8	0.12	0.18	610	62.3	62.3	61.1	0.57	0.51	0.49	0.47	1.88	1.8	1.9	2.8	11
YE4-801-8	0.18	0.25	655	67.2	67.2	65.9	0.61	0.67	0.63	0.61	2.62	1.8	1.9	3.3	12.2
YE4-802-8	0.25	0.37	655	70.8	70.8	69.4	0.61	0.88	0.84	0.81	3.65	1.8	1.9	3.3	12.9
YE4-90S-8	0.37	0.5	680	74.3	74.3	72.8	0.61	1.24	1.18	1.14	5.20	1.8	1.9	4.0	17.8
YE4-90L-8	0.55	0.75	680	77.0	77.0	75.5	0.61	1.78	1.69	1.63	7.72	1.8	2.0	4.0	22.1
YE4-100L1-8	0.75	1	700	78.4	78.4	76.8	0.67	2.17	2.06	1.99	10.2	1.8	2.0	4.0	31
YE4-100L2-8	1.1	1.5	700	80.8	80.8	79.2	0.69	3.00	2.85	2.74	15.0	1.8	2.0	5.0	33.5
YE4-112M-8	1.5	2	710	82.6	82.6	80.9	0.70	3.94	3.74	3.61	20.2	1.8	2.0	5.0	39.8
YE4-132S-8	2.2	3	720	84.5	84.5	82.8	0.71	5.57	5.29	5.10	29.2	1.8	2.0	6.0	53
YE4-132M-8	3	4	720	85.9	85.9	84.2	0.73	7.27	6.91	6.66	39.8	1.8	2.0	6.0	61

IE3/YE3

铁壳三相异步电动机

Iron shell three-phase asynchronous motor



产品概述 / Product overview

IE3/YE3系列三相异步电动机符合IEC60034-30:2008标准的IE3能效等级。

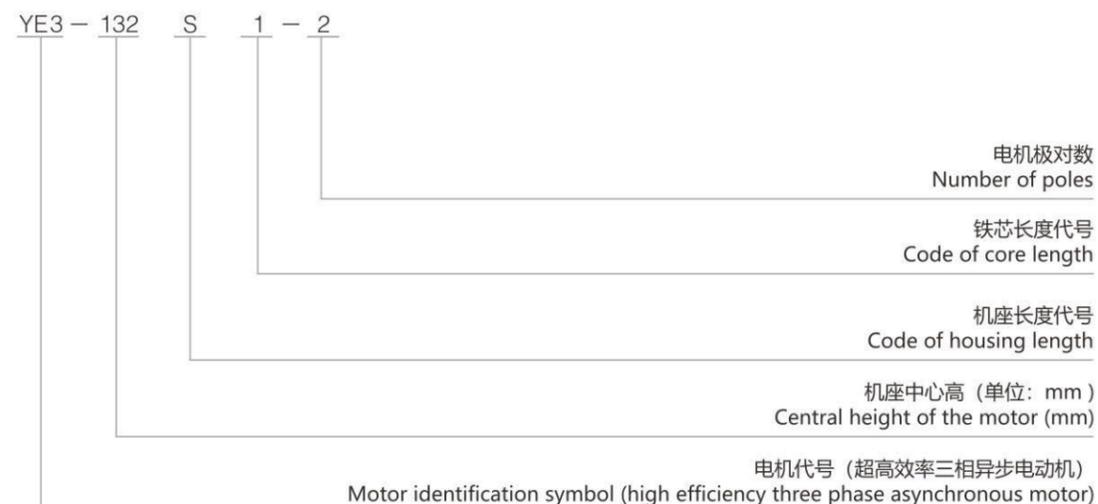
IE3/YE3系列三相异步电动机的安装尺寸符合IEC60034标准，具有结构合理，外表美观、噪声低、防护等级高、绝缘等级高等优点，可广泛应用于风机、水泵、机床、压缩机、运输机械等各种通用机械设备，也可在石油、化工、钢铁、矿山等其他环境比较恶劣的场所使用。

The IE3/YE3 series three-phase asynchronous motors meet the IE3 energy efficiency level of the IEC60034-30:2008 standard.

The installation dimensions of the IE3/YE3 series three-phase asynchronous motors comply with the IEC60034 standard, and have the advantages of reasonable structure, beautiful appearance, low noise, high protection level, and high insulation level. They can be widely used in various general mechanical equipment such as fans, water pumps, machine tools, compressors, transportation machinery, and can also be used in other harsh environments such as petroleum, chemical, steel, and mining.

型号说明 / Model description

电机型号释义 / Explanation of type designation YE3- 132 S 1 - 2



安装方式(Mounting Arrangements): IMB3、IMB5、IMB6、IMB7、IMB8、IMB14、IMB34、IMB35、IMV1、IMV3、IMV5、IMV6、IMV15、IMV17、IMV18、IMV19、IMV35、IMV37。

使用条件 / Operating conditions

环境温度: -15°C~40°C

海拔: 不超过1000米

额定电压: 380V、400V、415V

额定频率: 50Hz、60Hz

接法: 额定功率3kW及以下电机为Y接法
额定功率4kW及以上电机为△接法

工作制: 连续工作制 (S1)

防护等级: IP54/IP55

绝缘等级: B级/F级

冷却方式: IC411

Ambient Temperature: - 15°C ~40°C

Altitude: Up to 1000 meters

Rated Voltage: 380V, 400V, 415V

Rated Frequency: 50Hz, 60Hz

Connection: Output ≤3kW, 'Y' connection
Output ≥4kW, '△' connection;

Duty: Continuous (S1)

Ingress Protection: IP54 / IP55

Insulation Class: Class B / Class F

Cooling Method: IC411

○ 技术参数 / Technical parameters

SPEED 3000RPM 2-POLE 50HZ

High Efficiency (IE3-Cast-iron motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE3)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE3-631-2	0.18	0.25	2730	65.9	65.9	64.6	0.80	0.52	0.49	0.47	0.63	2.2	2.2	5.5	9.5
YE3-632-2	0.25	0.37	2730	69.7	69.7	68.3	0.81	0.67	0.64	0.62	0.87	2.2	2.2	5.5	10
YE3-711-2	0.37	0.5	2750	73.8	73.8	72.3	0.81	0.94	0.89	0.86	1.28	2.2	2.2	6.1	11
YE3-712-2	0.55	0.75	2750	77.8	77.8	76.2	0.82	1.31	1.24	1.20	1.91	2.3	2.3	6.1	12.1
YE3-801-2	0.75	1	2880	80.7	80.7	79.1	0.82	1.72	1.64	1.58	2.49	2.3	2.3	7.0	18.1
YE3-802-2	1.1	1.5	2880	82.7	82.7	81.0	0.83	2.43	2.31	2.23	3.65	2.2	2.3	7.3	19.5
YE3-90S-2	1.5	2	2895	84.2	84.2	82.5	0.84	3.22	3.06	2.95	4.95	2.2	2.3	7.6	23.3
YE3-90L-2	2.2	3	2895	85.9	85.9	84.2	0.85	4.58	4.35	4.19	7.26	2.2	2.3	7.6	27.1
YE3-100L-2	3	4	2895	87.1	87.1	85.4	0.87	6.02	5.71	5.51	9.90	2.2	2.3	7.8	38.8
YE3-112M-2	4	5.5	2905	88.1	88.1	86.3	0.88	7.84	7.45	7.18	13.1	2.2	2.3	8.3	48.3
YE3-132S1-2	5.5	7.5	2930	89.2	89.2	87.4	0.88	10.6	10.1	9.75	17.9	2.0	2.3	8.3	55.1
YE3-132S2-2	7.5	10	2930	90.1	90.1	88.3	0.88	14.4	13.7	13.2	24.4	2.0	2.3	7.9	69.2
YE3-160M1-2	11	15	2945	91.2	91.2	89.4	0.89	20.6	19.6	18.9	35.7	2.0	2.3	8.1	113
YE3-160M2-2	15	20	2945	91.9	91.9	90.1	0.89	27.9	26.5	25.5	48.6	2.0	2.3	8.1	123
YE3-160L-2	18.5	25	2940	92.4	92.4	90.6	0.89	34.2	32.5	31.3	60.1	2.0	2.3	8.2	142
YE3-180M-2	22	30	2955	92.7	92.7	90.8	0.89	40.5	38.5	37.1	71.1	2.0	2.3	8.2	182
YE3-200L1-2	30	40	2960	93.3	93.3	91.4	0.89	54.9	52.1	50.3	96.8	2.0	2.3	7.6	246
YE3-200L2-2	37	50	2960	93.7	93.7	91.8	0.89	67.4	64.0	61.7	119.4	2.0	2.3	7.6	265
YE3-225M-2	45	60	2965	94.0	94.0	92.1	0.90	80.8	76.8	74.0	144.9	2.0	2.3	7.7	323
YE3-250M-2	55	75	2970	94.3	94.3	92.4	0.90	98.5	93.5	90.2	176.9	2.0	2.3	7.7	413
YE3-280S-2	75	100	2975	94.7	94.7	92.8	0.90	134	127	122	240.8	1.8	2.3	7.1	546
YE3-280M-2	90	125	2975	95.0	95.0	93.1	0.90	160	152	146	288.9	1.8	2.3	7.1	569
YE3-315S-2	110	150	2978	95.2	95.2	93.3	0.90	195	185	179	352.8	1.8	2.3	7.1	897
YE3-315M-2	132	180	2978	95.4	95.4	93.5	0.90	234	222	214	423.3	1.8	2.3	7.1	1029
YE3-315L1-2	160	200	2980	95.6	95.6	93.7	0.91	279	265	256	512.8	1.8	2.3	7.2	1067
YE3-315L2-2	200	270	2980	95.8	95.8	93.9	0.91	349	331	319	640.9	1.8	2.2	7.2	1194
YE3-355M-2	250	340	2982	95.8	95.8	93.9	0.91	436	414	399	800.6	1.6	2.2	7.2	1685
YE3-355L-2	315	430	2982	95.8	95.8	93.9	0.91	549	522	503	1009	1.6	2.2	7.2	1734

○ 技术参数 / Technical parameters

SPEED 1500RPM 4-POLE 50HZ

High Efficiency (IE3-Cast-iron motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η% (IE3)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE3-631-4	0.12	0.18	1320	64.8	64.8	63.5	0.72	0.39	0.37	0.36	0.87	2.1	2.2	4.4	9.8
YE3-632-4	0.18	0.25	1320	69.9	69.9	68.5	0.73	0.54	0.51	0.49	1.30	2.1	2.2	4.4	10.5
YE3-711-4	0.25	0.37	1340	73.5	73.5	72.0	0.74	0.70	0.66	0.64	1.78	2.1	2.2	5.2	15.2
YE3-712-4	0.37	0.5	1340	77.3	77.3	75.8	0.75	0.97	0.92	0.89	2.64	2.1	2.2	5.2	16.6
YE3-801-4	0.55	0.75	1400	80.8	80.8	79.2	0.75	1.38	1.31	1.26	3.75	2.4	2.3	5.2	17.6
YE3-802-4	0.75	1	1420	82.5	82.5	80.9	0.75	1.84	1.75	1.69	5.04	2.3	2.3	6.6	18.4
YE3-90S-4	1.1	1.5	1445	84.1	84.1	82.4	0.76	2.61	2.48	2.39	7.27	2.3	2.3	6.8	24.2
YE3-90L-4	1.5	2	1445	85.3	85.3	83.6	0.77	3.47	3.3	3.18	9.91	2.3	2.3	7.0	29.7
YE3-100L1-4	2.2	3	1450	86.7	86.7	85.0	0.81	4.76	4.52	4.36	14.5	2.3	2.3	7.6	41.5
YE3-100L2-4	3	4	1450	87.7	87.7	85.9	0.82	6.34	6.02	5.8	19.8	2.3	2.3	7.6	46
YE3-112M-4	4	5.5	1450	88.6	88.6	86.8	0.82	8.37	7.95	7.66	26.3	2.2	2.3	7.8	63.2
YE3-132S-4	5.5	7.5	1460	89.6	89.6	87.8	0.83	11.2	10.7	10.3	36.0	2.0	2.3	7.9	71.2
YE3-132M-4	7.5	10	1460	90.4	90.4	88.6	0.84	15.0	14.3	13.7	49.1	2.0	2.3	7.5	85.1
YE3-160M-4	11	15	1465	91.4	91.4	89.6	0.85	21.5	20.4	19.7	71.7	2.2	2.3	7.7	121
YE3-160L-4	15	20	1465	92.1	92.1	90.3	0.86	28.8	27.3	26.3	97.8	2.2	2.3	7.8	142
YE3-180M-4	18.5	25	1470	92.6	92.6	90.7	0.86	35.3	33.5	32.3	120.2	2.0	2.3	7.8	181
YE3-180L-4	22	30	1470	93.0	93.0	91.1	0.86	41.8	39.7	38.3	142.9	2.0	2.3	7.8	209
YE3-200L-4	30	40	1475	93.6	93.6	91.7	0.86	56.6	53.8	51.8	194.2	2.0	2.3	7.3	284
YE3-225S-4	37	50	1485	93.9	93.9	92.0	0.86	69.6	66.1	63.7	237.9	2.0	2.3	7.4	328
YE3-225M-4	45	60	1485	94.2	94.2	92.3	0.86	84.4	80.2	77.3	289.4	2.0	2.3	7.4	363
YE3-250M-4	55	75	1485	94.6	94.6	92.7	0.86	103	97.6	94.1	353.7	2.2	2.3	7.4	442
YE3-280S-4	75	100	1486	95.0	95.0	93.1	0.88	136	129	125	482.0	2.0	2.3	6.9	569
YE3-280M-4	90	125	1486	95.2	95.2	93.3	0.88	163	155	149	578.4	2.0	2.3	6.9	639
YE3-315S-4	110	150	1488	95.4	95.4	93.5	0.89	197	187	180	706.0	2.0	2.2	7.0	939
YE3-315M-4	132	180	1488	95.6	95.6	93.7	0.89	236	224	216	847.2	2.0	2.2	7.0	1033
YE3-315L1-4	160	200	1488	95.8	95.8	93.9	0.89	285	271	261	1027	2.0	2.2	7.1	1126
YE3-315L2-4	200	270	1490	96.0	96.0	94.1	0.90	352	334	322	1282	2.0	2.2	7.1	1238
YE3-355M-4	250	340	1490	96.0	96.0	94.1	0.90	440	418	403	1602	2.0	2.2	7.1	1830
YE3-355L-4	315	430	1490	96.0	96.0	94.1	0.90	554	526	507	2019	2.0	2.2	7.1	1950

○ 技术参数 / Technical parameters

SPEED 1000RPM 6-POLE 50HZ

High Efficiency (IE3-Cast-iron motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η % (IE3)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE3-632-6	0.12	0.18	855	57.7	57.7	56.5	0.60	0.53	0.50	0.48	1.34	1.8	1.9	3.5	10.3
YE3-711-6	0.18	0.25	855	63.9	63.9	62.6	0.66	0.65	0.62	0.59	2.01	1.9	2.0	4.0	11
YE3-712-6	0.25	0.37	855	68.6	68.6	67.2	0.68	0.81	0.77	0.75	2.79	1.9	2.0	4.0	11.5
YE3-801-6	0.37	0.5	890	73.5	73.5	72.0	0.70	1.09	1.04	1.00	3.97	1.9	2.0	4.7	15.2
YE3-802-6	0.55	0.75	890	77.2	77.2	75.7	0.72	1.50	1.43	1.38	5.90	1.9	2.1	4.7	16.6
YE3-90S-6	0.75	1	935	78.9	78.9	77.3	0.71	2.03	1.93	1.86	7.66	2.0	2.1	6.0	24.1
YE3-90L-6	1.1	1.5	945	81.0	81.0	79.4	0.73	2.83	2.69	2.59	11.1	2.0	2.1	6.0	25.7
YE3-100L-6	1.5	2	949	82.5	82.5	80.9	0.73	3.78	3.59	3.47	15.1	2.0	2.1	6.5	34.9
YE3-112M-6	2.2	3	955	84.3	84.3	82.6	0.74	5.36	5.09	4.91	22.0	2.0	2.1	6.6	54.2
YE3-132S-6	3	4	968	85.6	85.6	83.9	0.74	7.20	6.84	6.59	29.6	2.0	2.1	6.8	62.3
YE3-132M1-6	4	5.5	968	86.8	86.8	85.1	0.74	9.46	8.99	8.66	39.5	2.0	2.1	6.8	75.2
YE3-132M2-6	5.5	7.5	968	88.0	88.0	86.2	0.75	12.7	12.0	11.6	54.3	2.0	2.1	7.0	82.3
YE3-160M-6	7.5	10	970	89.1	89.1	87.3	0.79	16.2	15.4	14.8	73.8	2.0	2.1	7.0	112
YE3-160L-6	11	15	970	90.3	90.3	88.5	0.80	23.1	22.0	21.2	108.3	2.0	2.1	7.2	134
YE3-180L-6	15	20	978	91.2	91.2	89.4	0.81	30.9	29.3	28.2	146.5	2.0	2.1	7.3	197
YE3-200L1-6	18.5	25	980	91.7	91.7	89.9	0.81	37.8	35.9	34.7	180.3	2.0	2.1	7.3	234
YE3-200L2-6	22	30	980	92.2	92.2	90.4	0.81	44.8	42.5	41.0	214.4	2.0	2.1	7.4	251
YE3-225M-6	30	40	980	92.9	92.9	91.0	0.83	59.1	56.2	54.1	292.3	2.0	2.1	6.9	308
YE3-250M-6	37	50	985	93.3	93.3	91.4	0.84	71.7	68.1	65.7	358.7	2.0	2.1	7.1	383
YE3-280S-6	45	60	985	93.7	93.7	91.8	0.85	85.8	81.6	78.6	436.3	2.0	2.0	7.3	501
YE3-280M-6	55	75	985	94.1	94.1	92.2	0.86	103	98.1	94.6	533.2	2.0	2.0	7.3	573
YE3-315S-6	75	100	985	94.6	94.6	92.7	0.84	143	136	131	727.2	2.0	2.0	6.6	843
YE3-315M-6	90	125	988	94.9	94.9	93.0	0.85	170	161	155	869.9	2.0	2.0	6.7	941
YE3-315L1-6	110	150	988	95.1	95.1	93.2	0.85	207	196	189	1063	2.0	2.0	6.7	1017
YE3-315L2-6	132	180	988	95.4	95.4	93.5	0.86	244	232	224	1276	2.0	2.0	6.8	1121
YE3-355M1-6	160	200	990	95.6	95.6	93.7	0.86	296	281	271	1543	1.8	2.0	6.8	1715
YE3-355M2-6	200	270	990	95.8	95.8	93.9	0.87	365	346	334	1929	1.8	2.0	6.8	1846
YE3-355L-6	250	340	990	95.8	95.8	93.9	0.87	456	433	417	2412	1.8	2.0	6.8	2085

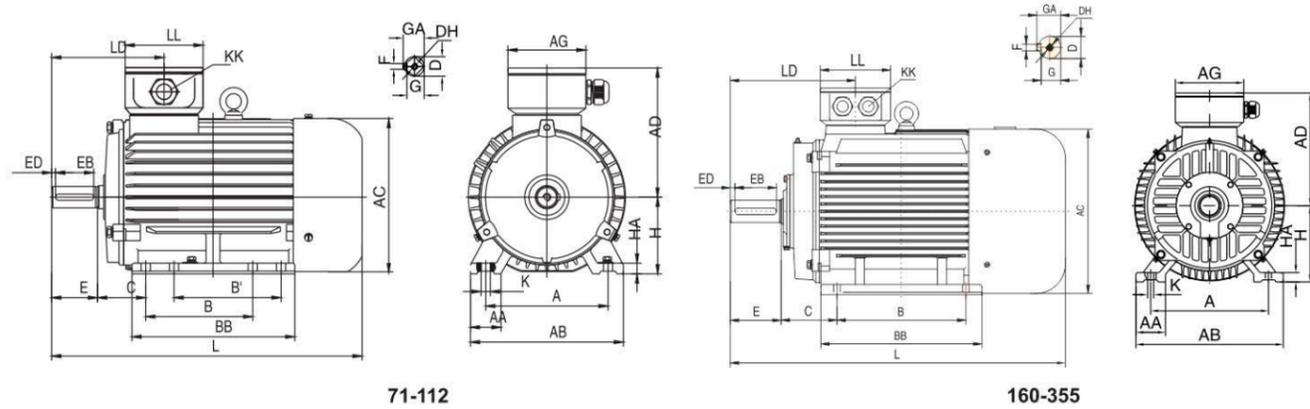
○ 技术参数 / Technical parameters

SPEED 750RPM 8-POLE 50HZ

High Efficiency (IE3-Cast-iron motor) 50Hz TECHNICAL DATA															
型号 Type	额定功率 Rated Output		额定 转速 Rated Speed rpm	效率 Efficiency η % (IE3)	效率 75%负载 Efficiency at 75% load	效率 50%负载 Efficiency at 50% load	功率 因数 Power factor cosΦ	额定电流 Rated current A			额定 转矩 Rated Torque Nm	堵转转矩/ 额定转矩 Ts/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Is/In	重量 Weight kg
	kW	HP						380	400	415					
YE3-712-8	0.12	0.18	605	50.7	50.7	49.7	0.57	0.63	0.60	0.58	1.89	1.8	1.9	2.8	11
YE3-801-8	0.18	0.25	650	58.7	58.7	57.5	0.61	0.76	0.73	0.70	2.64	1.8	1.9	3.3	14.5
YE3-802-8	0.25	0.37	650	64.1	64.1	62.8	0.61	0.97	0.92	0.89	3.67	1.8	1.9	3.3	16.7
YE3-90S-8	0.37	0.5	675	69.3	69.3	67.9	0.61	1.33	1.26	1.22	5.23	1.8	1.9	4.0	28.2
YE3-90L-8	0.55	0.75	675	73.0	73.0	71.5	0.61	1.88	1.78	1.72	7.78	1.8	2.0	4.0	29.7
YE3-100L1-8	0.75	1	685	75.0	75.0	73.5	0.67	2.27	2.15	2.08	10.5	1.8	2.0	4.0	40
YE3-100L2-8	1.1	1.5	685	77.7	77.7	76.1	0.69	3.12	2.96	2.85	15.3	1.8	2.0	5.0	41.4
YE3-112M-8	1.5	2	695	79.7	79.7	78.1	0.70	4.08	3.88	3.74	20.6	1.8	2.0	5.0	57.5
YE3-132S-8	2.2	3	710	81.9	81.9	80.3	0.71	5.75	5.46	5.26	29.6	1.8	2.0	6.0	74.8
YE3-132M-8	3	4	710	83.5	83.5	81.8	0.73	7.48	7.10	6.85	40.4	1.8	2.0	6.0	89.1
YE3-160M1-8	4	5.5	725	84.8	84.8	83.1	0.73	9.82	9.33	8.99	52.7	1.9	2.0	6.0	101
YE3-160M2-8	5.5	7.5	725	86.2	86.2	84.5	0.74	13.1	12.4	12.0	72.4	1.9	2.0	6.0	126.5
YE3-160L-8	7.5	10	725	87.3	87.3	85.6	0.75	17.4	16.5	15.9	98.8	1.9	2.0	6.0	136
YE3-180L-8	11	15	735	88.6	88.6	86.8	0.75	25.2	23.9	23.0	142.9	2.0	2.0	6.5	198
YE3-200L-8	15	20	730	89.6	89.6	87.8	0.76	33.5	31.8	30.6	196.2	2.0	2.0	6.6	234
YE3-225S-8	18.5	25	730	90.1	90.1	88.3	0.76	41.0	39.0	37.6	242.0	1.9	2.0	6.6	284
YE3-225M-8	22	30	730	90.6	90.6	88.8	0.78	47.3	44.9	43.3	287.8	1.9	2.0	6.6	325
YE3-250M-8	30	40	735	91.3	91.3	89.5	0.79	63.2	60.0	57.9	389.8	1.9	2.0	6.5	425
YE3-280S-8	37	50	735	91.8	91.8	90.0	0.79	77.5	73.6	71.0	480.7	1.9	2.0	6.6	518
YE3-280M-8	45	60	735	92.2	92.2	90.4	0.79	93.9	89.2	85.9	584.7	1.9	2.0	6.6	582
YE3-315S-8	55	75	735	92.5	92.5	90.7	0.81	112	106	102	714.6	1.8	2.0	6.6	852
YE3-315M-8	75	100	735	93.1	93.1	91.2	0.81	151	144	138	974.5	1.8	2.0	6.2	952
YE3-315L1-8	90	125	735	93.4	93.4	91.5	0.82	179	170	163	1169	1.8	2.0	6.4	1040
YE3-315L2-8	110	150	735	93.7	93.7	91.8	0.82	218	207	199	1429	1.8	2.0	6.4	1056
YE3-355M1-8	132	180	740	94.0	94.0	92.1	0.82	260	247	238	1704	1.8	2.0	6.4	1784
YE3-355M2-8	160	220	740	94.3	94.3	92.4	0.82	314	299	288	2065	1.8	2.0	6.4	1941
YE3-355L-8	200	270	740	94.6	94.6	92.7	0.83	387	368	354	2581	1.8	2.0	6.4	2026

○ 安装尺寸及外形尺寸 / Installation dimension and overall dimension

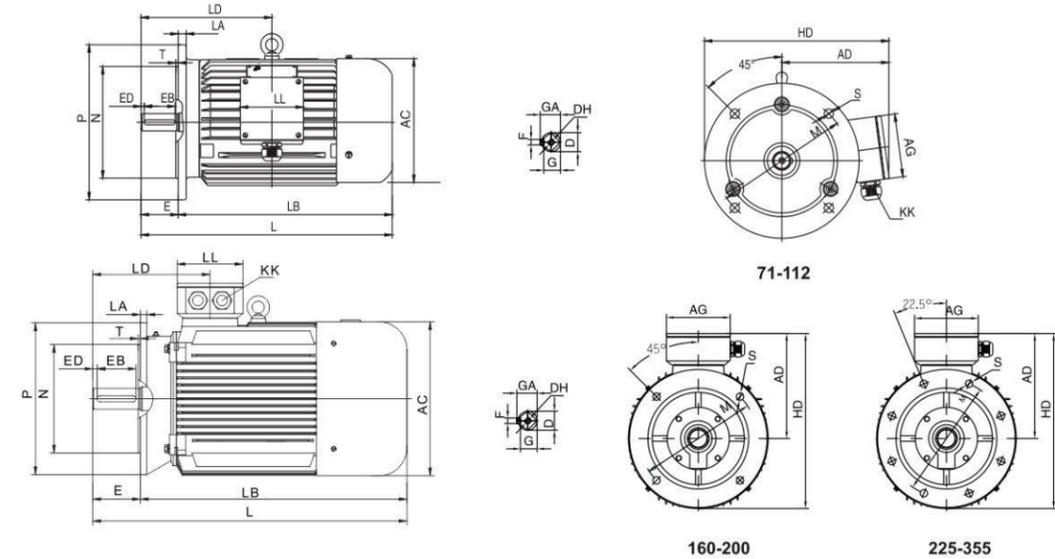
IM B3 H63-355



型号 TYPE	极数 POLE	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	KK	L	LD	LL
63	2, 4, 6	100	30	130	120	113	94	80	110	40	11	M4X12	23	16	3.5	4	8.5	12.5	63	8	4-Φ7	1-M20X1.5	217	80.5	94
71	2, 4, 6	112	32	144	136	119	94	90	120	45	14	M5X12	30	25	2.5	5	11	16	71	8	4-Φ7	1-M20X1.5	242	99	94
80	2, 4, 6, 8	125	34	160	167	147	102	100	150	50	19	M6X16	40	30	5	6	15.5	21.5	80	10	4-Φ10	1-M25X1.5	304	119	102
90S	2, 4, 6, 8	140	36	176	182.4	154.5	102	100	161	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	1-M25X1.5	336	143	102
90L	2, 4, 6, 8	140	36	176	182.4	154.5	102	125	186	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	1-M25X1.5	361	143	102
100L	2, 4, 6, 8	160	40	200	205.4	166	102	140	213	63	28	M10X22	60	50	5	8	24	31	100	14	4-Φ12	1-M32X1.5	406	147	102
112M	2, 4, 6, 8	190	50	240	230	188	118	140	188	70	28	M10X22	60	50	5	8	24	31	112	15	4-Φ12	2-M32X1.5	394	147	110
132S	2, 4, 6, 8	216	55	262	258.4	203	118	140	200	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	2-M32X1.5	438	172	110
132M	4, 6, 8	216	55	262	258.4	203	118	178	238	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	2-M32X1.5	476	172	110
160M	2, 4, 6, 8	254	65	314	314	251	162	210	260	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	2-M40X1.5	608	256	152
160L	2, 4, 6, 8	254	65	314	314	251	162	254	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	2-M40X1.5	652	256	152
180M	2, 4, 8	279	70	349	355	267	162	241	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	2-M40X1.5	688	271	152
180L	4, 6, 8	279	70	349	355	267	162	279	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	2-M40X1.5	726	271	152
200L	2, 4, 6, 8	318	70	388	397	299	210	305	369	133	55	M20X42	110	100	5	16	49	59	200	25	4-Φ18.5	2-M50X1.5	779	296	190
225S	4, 8	356	75	431	446	322	210	286	368	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Φ18.5	2-M50X1.5	824	329	190
225M	2	356	75	431	446	322	210	311	393	149	55	M20X42	110	100	5	16	49	59	225	28	4-Φ18.5	2-M50X1.5	819	299	190
225M	4, 6, 8	356	75	431	446	322	210	311	393	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Φ18.5	2-M50X1.5	849	329	190
250M	2	406	80	484	485	358	248	349	445	168	60	M20X42	140	125	7.5	18	53	64	250	30	4-Φ24	2-M63X1.5	910	347	218
250M	4, 6, 8	406	80	484	485	358	248	349	445	168	65	M20X42	140	125	7.5	18	58	69	250	30	4-Φ24	2-M63X1.5	910	347	218
280S	2	457	85	542	547	387	248	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	2-M63X1.5	982	355.5	218
280S	4, 6, 8	457	85	542	547	387	248	368	485	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	2-M63X1.5	982	355.5	218
280M	2	457	85	542	547	387	248	419	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	2-M63X1.5	1033	355.5	218
280M	4, 6, 8	457	85	542	547	387	248	419	536	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	2-M63X1.5	1033	355.5	218
315S	2	508	120	628	620	527	320	406	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1194	397	280
315S	4, 6, 8, 10	508	120	628	620	527	320	406	570	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	2-M63X1.5	1224	427	280
315M	2	508	120	628	620	527	320	457	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1304	397	280
315M	4, 6, 8, 10	508	120	628	620	527	320	457	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	2-M63X1.5	1334	427	280
315L	2	508	120	628	620	527	320	508	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1304	397	280
315L	4, 6, 8, 10	508	120	628	620	527	320	508	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	2-M63X1.5	1334	427	280
355M	2	610	116	726	698	642	380	560	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	2-M63X1.5	1486	414	330
355M	4, 6, 8, 10	610	116	726	698	642	380	560	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Φ28	2-M63X1.5	1516	444	330
355L	2	610	116	726	698	642	380	630	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	2-M63X1.5	1486	414	330
355L	4, 6, 8, 10	610	116	726	698	642	380	630	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Φ28	2-M63X1.5	1516	444	330

○ 安装尺寸及外形尺寸 / Installation dimension and overall dimension

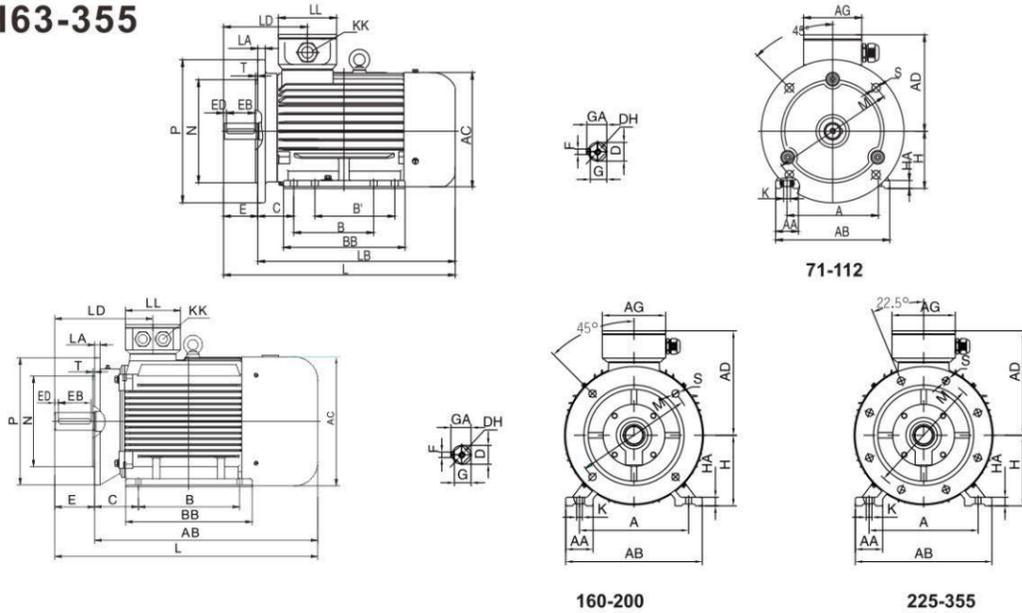
IM B5 H63-355



型号 TYPE	极数 POLE	AC	AD	AG	D	DH	E	EB	ED	F	G	GA	HD	KK	L	LA	LB	LD	LL	M	N	P	S	T
63	2, 4, 6	120	113	94	11	M4X12	23	16	3.5	4	8.5	12.5	183	1-M20X1.5	217	10	194	80.5	94	115	95	140	10	3
71	2, 4, 6	136	119	94	14	M5X12	30	25	2.5	5	11	16	199	1-M20X1.5	242	10	212	99	94	130	110	160	10	3.5
80	2, 4, 6, 8	167	154.5	102	19	M6X16	40	30	5	6	15.5	21.5	254.5	1-M25X1.5	304	12	264	112	102	165	130	200	12	3.5
90S	2, 4, 6, 8	182.4	162	102	24	M8X19	50	40	5	8	20	27	262	1-M25X1.5	336	12	286	130	102	165	130	200	12	3.5
90L	2, 4, 6, 8	182.4	162	102	24	M8X19	50	40	5	8	20	27	262	1-M25X1.5	361	12	311	130	102	165	130	200	12	3.5
100L	2, 4, 6, 8	205.4	173.5	102	28	M10X22	60	50	5	8	24	31	298.5	1-M32X1.5	406	13	346	139	102	215	180	250	14.5	4
112M	2, 4, 6, 8	230	188	118	28	M10X22	60	50	5	8	24	31	315	2-M32X1.5	394	14	334	205	110	215	180	250	14.5	4
132S	2, 4, 6, 8	258.4	203	118	38	M12X28	80	65	7.5	10	33	41	353	2-M32X1.5	438	14	390	172	110	265	230	300	14.5	4
132M	4, 6, 8	258.4	203	118	38	M12X28	80	65	7.5	10	33	41	353	2-M32X1.5	476	14	428	172	110	265	230	300	14.5	4
160M	2, 4, 6, 8	314	251	162	42	M16X36	110	90	10	12	37	45	426	2-M40X1.5	608	15	498	256	152	300	250	350	18.5	5
160L	2, 4, 6, 8	314	251	162	42	M16X36	110	90	10	12	37	45	426	2-M40X1.5	652	15	542	256	152	300	250	350	18.5	5
180M	2, 4, 8	355	267	162	48	M16X36	110	90	10	14	42.5	51.5	444.5	2-M40X1.5	688	15	578	271	152	300	250	350	18.5	5
180L	4, 6, 8	355	267	162	48	M16X36	110	90	10	14	42.5	51.5	444.5	2-M40X1.5	726	15	616	271	152	300	250	350	18.5	5
200L	2, 4, 6, 8	397	299	210	55	M20X42	110	100	5	16	49	59	499	2-M50X1.5	779	17	669	296	190	350	300	400	18.5	5
225S	4, 8	446	322	210	60	M20X42	140	125	7.5	18	53	64	547	2-M50X1.5	824	20	684	329	190	400	350	450	18.5	5
225M	2	446	322	210	55	M20X42	110	100	5	16	49	59	547	2-M50X1.5	819	20	709	299	190	400	350	450	18.5	5
225M	4, 6, 8	446	322	210	60	M20X42	140	125	7.5	18	53	64	547	2-M50X1.5	849	20	709	299	190	400	350	450	18.5	5
250M	2	485	358	248	60	M20X42	140	125	7.5	18	53	64	633	2-M63X1.5	910	22	770	347	218	500	450	550	18.5	5
250M	4, 6, 8	485	358	248	65	M20X42	140	125	7.5	18	58	69	633	2-M63X1.5	910	22	770	347	218	500	450	55		

○ 安装尺寸及外形尺寸 / Installation dimension and overall dimension

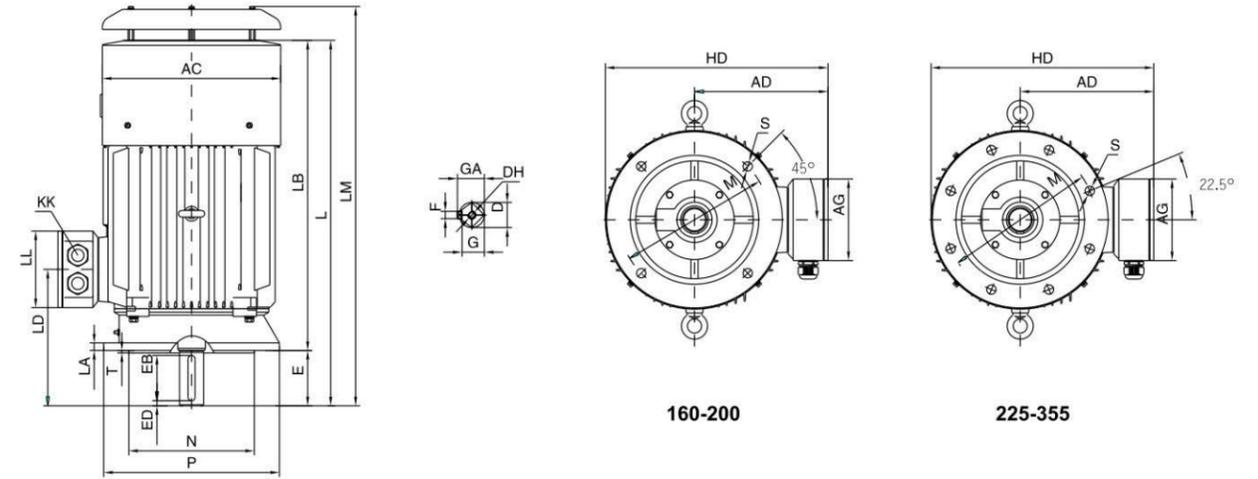
IM B35 H63-355



型号 TYPE	极数 POLE	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	KK	L	LA	LB	LD	LL	M	N	P	S	T
63	2,4,6	100	30	130	120	113	94	80	110	40	11	M4X12	23	16	3.5	4	8.5	12.5	63	8	4-Ø7	1-M20X1.5	217	10	194	80.5	94	115	95	140	10	3
71	2,4,6	112	32	144	136	119	94	90	120	45	14	M5X12	30	25	2.5	5	11	16	71	8	4-Ø7	1-M20X1.5	242	10	212	99	94	130	110	160	10	3.5
80	2,4,6,8	125	34	160	167	147	102	100	150	50	19	M6X16	40	30	5	6	15.5	21.5	80	10	4-Ø10	1-M25X1.5	304	12	264	112	102	165	130	200	12	3.5
90S	2,4,6,8	140	36	176	182.4	154.5	102	100	161	56	24	M8X19	50	40	5	8	20	27	90	12	4-Ø10	1-M25X1.5	336	12	286	130	102	165	130	200	12	3.5
90L	2,4,6,8	140	36	176	182.4	154.5	102	125	186	56	24	M8X19	50	40	5	8	20	27	90	12	4-Ø10	1-M25X1.5	361	12	311	130	102	165	130	200	12	3.5
100L	2,4,6,8	160	40	200	205.4	166	102	140	213	63	28	M10X22	60	50	5	8	24	31	100	14	4-Ø12	1-M32X1.5	406	13	346	139	102	215	180	250	14.5	4
112M	2,4,6,8	190	50	240	230	188	118	140	188	70	28	M10X22	60	50	5	8	24	31	112	15	4-Ø12	2-M32X1.5	394	14	334	147	110	215	180	250	14.5	4
132S	2,4,6,8	216	55	262	258.4	203	118	140	200	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Ø12	2-M32X1.5	438	14	390	172	110	265	230	300	14.5	4
132M	4,6,8	216	55	262	258.4	203	118	178	238	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Ø12	2-M32X1.5	476	14	428	172	110	265	230	300	14.5	4
160M	2,4,6,8	254	65	314	314	251	162	210	260	108	42	M16X36	110	90	10	12	37	45	160	20	4-Ø14.52	M40X1.5	589	15	498	256	152	300	250	350	18.5	5
160L	2,4,6,8	254	65	314	314	251	162	254	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Ø14.52	M40X1.5	633	15	542	256	152	300	250	350	18.5	5
180M	2,4,8	279	70	349	355	267	162	241	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Ø14.52	M40X1.5	661	15	578	271	152	300	250	350	18.5	5
180L	4,6,8	279	70	349	355	267	162	279	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Ø14.52	M40X1.5	726	15	616	271	152	300	250	350	18.5	5
200L	2,4,6,8	318	70	388	397	299	210	305	369	133	55	M20X42	110	100	5	16	49	59	200	25	4-Ø18.52	M50X1.5	757	17	669	296	190	350	300	400	18.5	5
225S	4,8	356	75	431	446	322	210	286	368	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Ø18.52	M50X1.5	824	20	684	329	190	400	350	450	18.5	5
225M	2	356	75	431	446	322	210	311	393	149	55	M20X42	110	100	5	16	49	59	225	28	4-Ø18.52	M50X1.5	793	20	709	299	190	400	350	450	18.5	5
225M	4,6,8	356	75	431	446	322	210	311	393	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Ø18.52	M50X1.5	849	20	709	329	190	400	350	450	18.5	5
250M	2	406	80	484	485	358	248	349	445	168	60	M20X42	140	125	7.5	18	53	64	250	30	4-Ø24	2-M63X1.5	900	22	770	347	218	500	450	550	18.5	5
250M	4,6,8	406	80	484	485	358	248	349	445	168	65	M20X42	140	125	7.5	18	58	69	250	30	4-Ø24	2-M63X1.5	900	22	770	347	218	500	450	550	18.5	5
280S	2	457	85	542	547	387	248	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Ø24	2-M63X1.5	953	22	842	355.5	218	500	450	550	18.5	5
280S	4,6,8	457	85	542	547	387	248	368	485	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Ø24	2-M63X1.5	953	22	842	355.5	218	500	450	550	18.5	5
280M	2	457	85	542	547	387	248	419	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Ø24	2-M63X1.5	1004	22	893	355.5	218	500	450	550	18.5	5
280M	4,6,8	457	85	542	547	387	248	419	536	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Ø24	2-M63X1.5	1004	22	893	355.5	218	500	450	550	18.5	5
315S	2	508	120	628	620	527	320	406	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Ø28	2-M63X1.5	1194	22	1054	397	280	600	550	660	24	6
315S	4,6,8,10	508	120	628	620	527	320	406	570	216	80	M20X42	170	160	5	22	71	85	315	45	4-Ø28	2-M63X1.5	1224	22	1054	427	280	600	550	660	24	6
315M	2	508	120	628	620	527	320	457	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Ø28	2-M63X1.5	1304	22	1164	397	280	600	550	660	24	6
315M	4,6,8,10	508	120	628	620	527	320	457	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Ø28	2-M63X1.5	1334	22	1164	427	280	600	550	660	24	6
315L	2	508	120	628	620	527	320	508	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Ø28	2-M63X1.5	1304	22	1164	397	280	600	550	660	24	6
315L	4,6,8,10	508	120	628	620	527	320	508	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Ø28	2-M63X1.5	1334	22	1164	427	280	600	550	660	24	6
355M	2	610	116	726	698	642	380	560	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Ø28	2-M63X1.5	1486	25	1346	414	330	740	680	800	24	6
355M	4,6,8,10	610	116	726	698	642	380	560	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Ø28	2-M63X1.5	1516	25	1346	444	330	740	680	800	24	6
355L	2	610	116	726	698	642	380	630	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Ø28	2-M63X1.5	1486	25	1346	414	330	740	680	800	24	6
355L	4,6,8,10	610	116	726	698	642	380	630	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Ø28	2-M63X1.5	1516	25	1346	444	330	740	680	800	24	6

○ 安装尺寸及外形尺寸 / Installation dimension and overall dimension

IM V1 H160-355



型号 TYPE	极数 POLE	AC	AD	AG	D	DH	E	EB	ED	F	G	GA	HD	KK	L	LA	LB	LD	LL	LM	M	N	P	S	T
160M	2,4,6,8	314	251	162	42	M16X36	110	90	10	12	37	45	426	2-M40X1.5	608	15	498	256	152	670	300	250	350	18.5	5
160L	2,4,6,8	314	251	162	42	M16X36	110	90	10	12	37	45	426	2-M40X1.5	652	15	542	256	152	714	300	250	350	18.5	5
180M	2,4,8	355	267	162	48	M16X36	110	90	10	14	42.5	51.5	444.5	2-M40X1.5	688	15	578	271	152	760	300	250	350	18.5	5
180L	4,6,8	355	267	162	48	M16X36	110	90	10	14	42.5	51.5	444.5	2-M40X1.5	726	15	616	271	152	798	300	250	350	18.5	5
200L	2,4,6,8	397	299	210	55	M20X42	110	100	5	16	49	59	499	2-M50X1.5	779	17	669	296	190	853	350	300	400	18.5	5
225S	4,8	446	322	210	60	M20X42	140	125	7.5	18	53	64	547	2-M50X1.5	824	20	684	329	190	898	400	350	450	18.5	5
225M	2	446	322	210	55	M20X42	110	100	5	16	49	59	547	2-M50X1.5	819	20	709	299	190	893	400	350	450	18.5	5
225M	4,6,8	446	322	210	60	M20X42	140	125	7.5	18	53	64	547	2-M50X1.5	849	20	709	329	190	893	400	350	450	18.5	5
250M	2	485	358	248	60	M20X42	140	125	7.5	18	53	64	633	2-M63X1.5	910	22	770	347	218	986	500	450	550	18.5	5
250M	4,6,8	485	358	248	65	M20X42	140	125	7.5	18	58	69	633	2-M63X1.5	910	22	770	347	218	986	500	450	550	18.5	

YS

铝壳三相异步电动机

YS series aluminum shell three phase asynchronous motor



产品概述 / Product overview

YS系列铝壳三相异步电动机，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、外形美观、体积小、重量轻、结构简单、维修方便等优点。

YS系列电动机适用于各类机械设备上

YS series aluminum housing three-phase asynchronous motors are latest design and are made of selected quality materials and conform to the international IEC standard. YS motor have a very safe and reliable performance, are attractive in appearance and can be easily maintained. They have low noise with little vibration but at the same time are light weight and of simple construction. YS series motor can be used for general electric motor applications.

使用条件 / Operating conditions

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

海拔: 不超过1000米

额定电压: 380V, 可选用220-760V

额定功率: 50Hz/60Hz

绝缘等级: B/F/H级

防护等级: IP54、IP55

冷却方式: IC014

工作方式: 连续 (S1)

接法: 3KW及以下规格为Y接法; 4KW及以上为Δ接法

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

Altitude: Not exceeding 1000 meters

Rated voltage: 380V

Rated frequency: 50HZ/60HZ

Insulation class: Class B/F/H

Protection class: P54/P55

Cooling type: IC014

Duty: Rating: Continuous (S1)

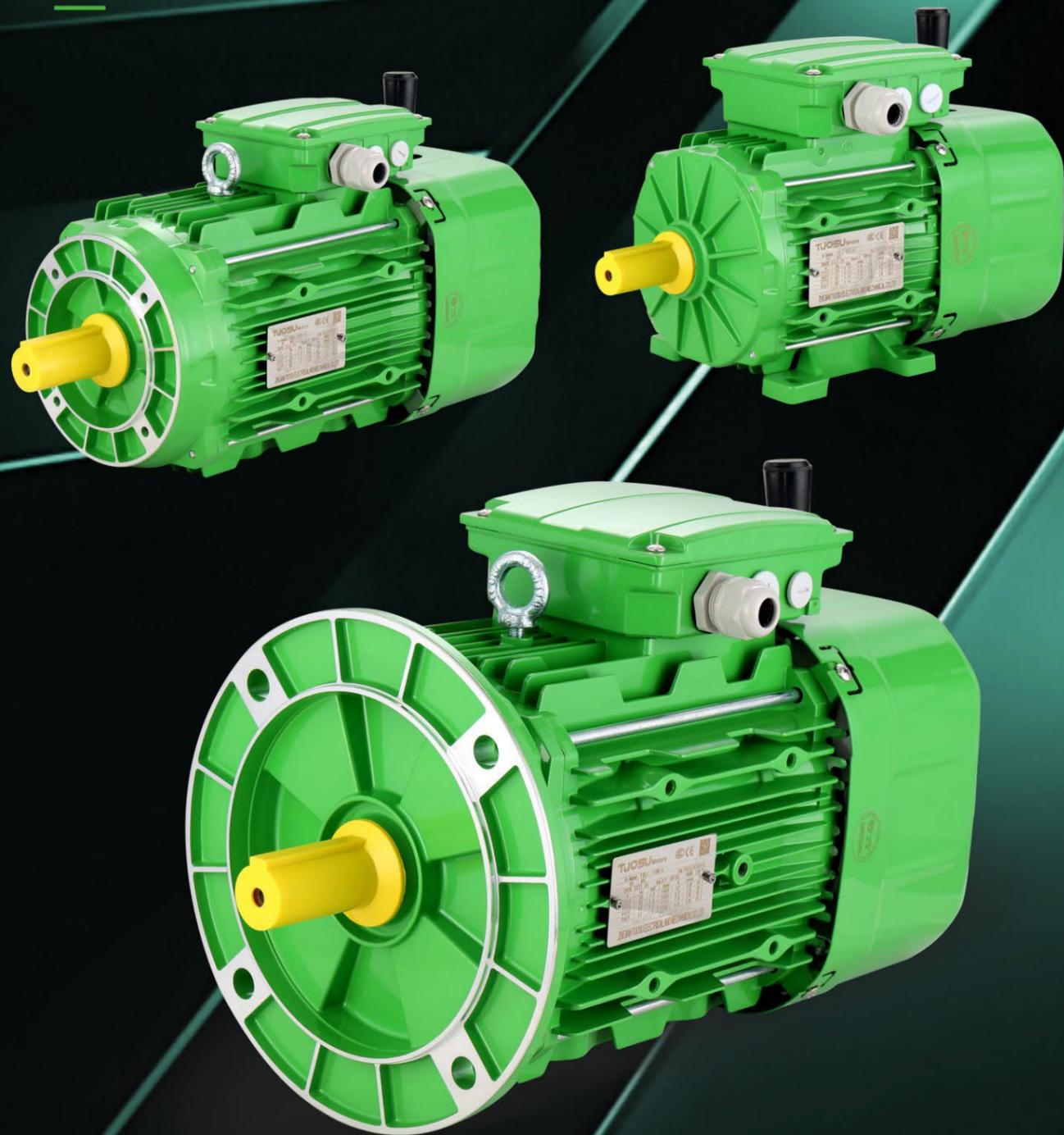
Connection: Star-connection for 3KW or less

whereas delta-connection for 4KW or more

TYPE	POWER		Amps (A)						Ferquency speed (50HZ) r/min	Ferquency speed (60HZ) r/min	LRT	BDT	LRA	n (%)	Power factor (cosΦ)	J kg
	kW	HP	220V Δ	380V	400V	415V	440V	660V Y								
YS-561-2	0.09	0.12	0.5	0.29	0.27	0.26	0.25		2700	3300	2.2	2.1	5.2	62.00	0.77	3.6
YS-562-2	0.12	0.16	0.64	0.37	0.35	0.33	0.32		2700	3300	2.2	2.1	5.2	64.00	0.78	4.0
YS-63M1-2	0.18	0.25	0.92	0.53	0.5	0.49	0.45		2720	3320	2.3	2.3	5.5	65.00	0.80	4.1
YS-63M2-2	0.25	0.34	1.2	0.69	0.65	0.63	0.59		2720	3320	2.3	2.3	5.5	68.00	0.81	4.5
YS-63M3-2	0.37	0.5	1.75	1.01	0.96	0.92	0.87		2755	3355	2.2	2.3	6.1	69.00	0.81	5.5
YS-71M1-2	0.37	0.5	1.75	1.01	0.96	0.92	0.87		2755	3355	2.2	2.3	6.1	69.00	0.81	5.6
YS-71M2-2	0.55	0.75	2.39	1.38	1.3	1.26	1.19		2790	3390	2.3	2.2	6.1	74.00	0.82	6.2
YS-71M3-2	0.75	1	3.06	1.77	1.67	1.6	1.53		2845	3445	2.3	2.3	6.1	75.00	0.83	7.2
YS-80M1-2	0.75	1	3.06	1.77	1.67	1.6	1.53		2845	3445	2.3	2.3	6.1	75.00	0.83	9.0
YS-80M2-2	1.1	1.5	4.52	2.61	2.48	2.39	2.25		2845	3445	2.3	2.2	6.9	76.20	0.84	10
YS-90S-2	1.5	2	5.99	3.46	3.29	3.15	2.98		2850	3450	2.3	2.2	7.0	78.50	0.84	12
YS-90L-2	2.2	3	8.4	4.85	4.6	4.4	4.18		2855	3455	2.3	2.2	7.0	81.00	0.85	13.2
YS-100L-2	3	4	10.98	6.34	6.02	5.77	5.47		2860	3460	2.3	2.2	7.5	82.60	0.87	22
YS-112M-2	4	5.5		8.2	7.8	7.46	7.08	4.73	2880	3480	2.3	2.2	7.5	84.20	0.88	30
YS-132S1-2	5.5	7.5		11.1	10.5	10.1	9.58	5.83	2900	3500	2.3	2.2	7.5	85.7	0.88	43
YS-132S2-2	7.5	10		14.9	14.15	13.56	12.86	7.83	2900	3500	2.3	2.2	7.5	87.00	0.88	49
YS-160M1-2	11	15		21.3	20.2	19.4	18.38	10.1	2930	3530	2.3	2.2	7.5	88.00	0.89	65
YS-160M2-2	15	20		28.8	27.4	26.2	24.85	15.1	2930	3530	2.3	2.2	7.5	89.00	0.89	73
YS-160L-2	18.5	25		34.7	32.97	31.6	29.95	18.2	2930	3530	2.3	2.2	7.5	90.00	0.90	85
YS-561-4	0.06	0.08	0.398	0.23	0.22	0.21	0.2		1300	1600	2.1	2.0	4.0	56.00	0.70	3.6
YS-562-4	0.09	0.12	0.57	0.33	0.31	0.30	0.285		1300	1600	2.1	2.0	4.0	58.00	0.72	7.0
YS-563-4	0.12	0.16	0.76	0.44	0.42	0.40	0.38		1310	1610	2.2	2.1	4.4	57.00	0.72	4.2
YS-63M1-4	0.12	0.16	0.76	0.44	0.42	0.40	0.38		1310	1610	2.2	2.1	4.4	57.00	0.72	4.0
YS-63M2-4	0.18	0.25	1.07	0.62	0.59	0.56	0.54		1310	1610	2.2	2.1	4.4	60.00	0.73	4.5
YS-63M3-4	0.25	0.34	1.37	0.79	0.75	0.72	0.68		1340	1640	2.2	2.1	5.2	65.00	0.74	5.0
YS-63M4-4	0.37	0.5	1.94	1.12	1.1	1.0	0.97		1340	1640	2.2	2.1	5.2	67.00	0.75	6
YS-71M1-4	0.25	0.34	1.37	0.79	0.75	0.72	0.68		1340	1640	2.2	2.1	5.2	65.00	0.74	5.6
YS-71M2-4	0.37	0.5	1.94	1.12	1.1	1.0	0.97		1340	1640	2.2	2.1	5.2	67.00	0.75	6.0
YS-71M3-4	0.55	0.75	2.63	1.52	1.44	1.38	1.31		1390	1690	2.3	2.4	5.2	71.00	0.75	7.0
YS-71M4-4	0.75	1	3.38	1.95	1.85	1.77	1.68		1390	1690	2.3	2.3	6.0	73.00	0.76	8.5
YS-80M1-4	0.55	0.75	2.63	1.52	1.44	1.38	1.31		1390	1690	2.3	2.4	5.2	71.00	0.75	9.0
YS-80M2-4	0.75	1	3.38	1.95	1.85	1.77	1.68		1390	1690	2.3	2.3	6.0	73.00	0.76	10
YS-80M3-4	1.1	1.5	4.93	2.85	2.7	2.6	2.46		1390	1690	2.3	2.3	6.0	76.20	0.77	12
YS-90S-4	1.1	1.5	4.93	2.85	2.7	2.6	2.46		1390	1690	2.3	2.3	6.0	76.20	0.77	12.5
YS-90L-4	1.5	2	6.44	3.72	3.53	3.39	3.21		1400	1700	2.3	2.3	6.0	78.50	0.78	14.5
YS-90L3-4	2.2	3	8.81	5.09	4.83	4.6	4.38		1420	1720	2.3	2.3	7.0	81.00	0.81	18.5
YS-100L1-4	2.2	3	8.81	5.09	4.83	4.6	4.38		1420	1720	2.3	2.3	7.0	81.00	0.81	21
YS-100L2-4	3	4	11.7	6.78	6.4	6.17	5.85		1420	1720	2.3	2.3	7.0	82.60	0.82	24.8

YEJ 制动电机

YEJ brake motor



产品概述 / Product overview

制动电机是由三相异步电动机和制动器两部份组成，是三相异步电动机的派生系列。制动器分为手动释放和螺栓释放两种形式。制动器是制动电机的重要部件。其工作电源分为两类：一类是交流制动，另一类是直流制动。目前我公司生产的制动电机均为直流制动电机，其优点是制动力矩大、安装调试方便、制动响应速度快、可靠性高、通用性强等优点。

一、YEJ制动电机工作原理

在电机的后端盖装有一个石棉耐磨材料的摩擦盘和励磁线圈。当电机失电后摩擦盘被制动器弹簧通过一块压紧板，紧紧地压在电机后端盖已加工的平面上，从而使制动盘产生强大的摩擦力矩，达到制动的目的。当励磁线圈通电后产生电磁吸力，将弹簧压紧板吸合，压紧板离开摩擦盘。使摩擦盘释放，电动机灵活转动，根据电动机功率不同，线圈电阻在几十至几百欧之间。

二、直流制动器不能直接接在交流电源上，在制动吸盘上装有绕组线圈，绕组的额定电压为低压直流电压。工作时必须由单相交流电源经整流后供给吸盘绕组，因此制动电机接线盒内同时装有整流器，接线方法在后图所示。

三、制动时间

制动电机的制动时间(t)是从电机和制动器停止供电瞬间开始到轴完全停止时所有用的时间，一般情况下，63~80机座号的电机其制动时间为0.5秒钟，90~132机座号的电机其制动时间为1秒钟，160~180机座号的电机其制动时间为2秒钟。

INTRODUCE

Brake motor is made of two parts consisting of three-phase asynchronous motors and brakes, its belongs to three-phase asynchronous motor derived series Manual brake release and bolt release are two forms of brakes. brakes are the main components of the brake motor. Its working power divided into two categories; One is AC brake, the other is DC braking my company produces brake motors are DC brake motors, the advantage of the braking torque is below, Easy installation braking response speed high reliability versatility and other advantages

1. Operating principle

After the motor is equipped with a cover asbestos friction disc wear-resistant materials and excitation coil when the motor is energized by a spring brake friction disc is a pressing plate, pressing firmly on the plane after the motor cover has been processed, so that the brake disc friction torque generated strong achieve braking purposes. When the excitation coil is energized to produce electromagnetic suction, pull the spring-loaded plate, pressed board leave the friction plate. The friction disc is released, the motor flexible rotation, depending on the motor power between tens to hundreds of European coil resistance

2. The DC brake can not be directly connected to the AC power to the brake coil is provided with suction cups for low voltage winding rated DC voltage. A single-phase AC power is rectified then supply to a sucker winding to make it work, so the brake motor terminal box fitted with a rectifier, wiring diagram below

3. the braking time

Brake motor braking time (t) is the time from the motor and brake stopping the power to the shaft completely stopped, under normal circumstances, For 63 to 80 frame size motor, the braking time is 0.5 seconds, For 90-132 frame size motor, the braking time is 1 second, For 160 to 180 frame size motor, the braking time is 2 seconds

YEJ制动电机/ YSEJ brake motor

四、制动电机的调整与维修/ Adjustment and maintenance

在制动电机使用过程中随着制动次数的增加，摩擦盘会有磨损情况存在，因此摩擦盘与电机后盖的间隙也随之增大。对长期运转的电机，间隙的改变直接影响电机的制动力矩。

间隙在调整时不能过小，间隙过小，摩擦盘与电机后盖摩擦平面不能完全分离而烧毁电机，间隙过大，压紧板不能吸合或吸合过程中产生强烈的噪声。制动压紧板与电磁吸盘的间隙按制动器而定，一般63-112机座号的电机其制动器间隙在0.25mm-0.30mm, 132~180机座号的电机制动器间隙在0.50mm-0.80mm。

In the course of braking the motor increases the number of brake friction disc wear condition exist, so a gap of the motor cover plate of the friction increases. Changes to the long-term operation of the motor, the motor directly affects the gap between the braking torque. When adjusting the gap is not too small, the gap is too small, the friction disc friction with the motor cover can not be completely separated from the plane and burned the motor, the gap is too large, pressed board can not pull or pull a strong noise process. Brake pressing plate at the gap magnechuck brakes, generally for 63 to 112 frame size motor, the brake gap between 0.25mm to 0.30mm, for 132-180 frame size motor, the brake gap between 0.50mm to 0.80mm.

五、制动电机的变频运行/ the inverter runs the motor brake

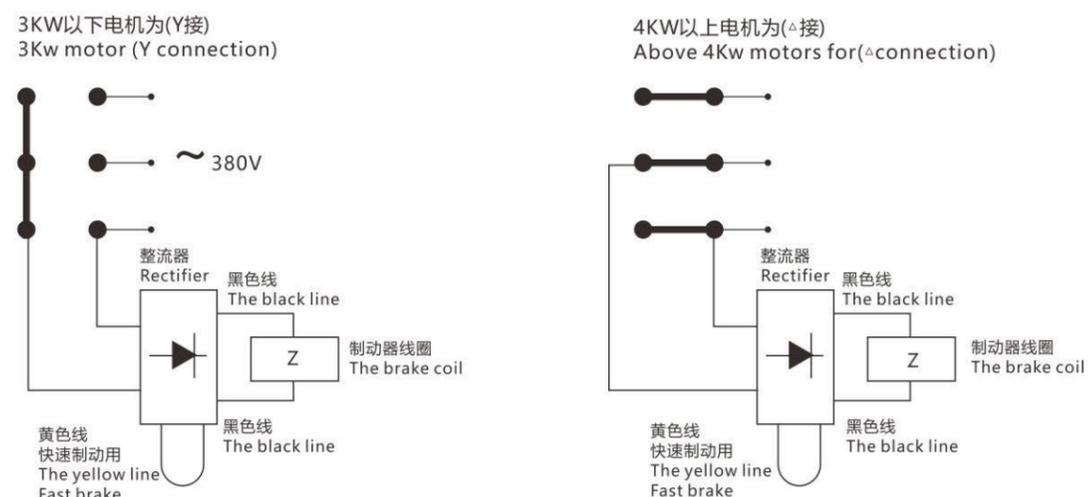
随着社会生产率的不断发展和科学技术的不断提升。制动加变频方式在执行机构中得到了广泛的应用。我公司生产的所有异步电动机都能配置变频器运行。此时，制动器必须单独提供稳定的工作电源，不能与电动机上的电源接线端子并接共用。否则制动器无法正常工作。需要提出的是：制动器电机配变频操作时，要附加一个轴流风扇，此风扇也只能独立控制和供电。

值得注意的是，我公司生产的所有异步电动机最高频率范围在60Hz，如用户有特殊要求可向公司提出。

With the continuous improvement and continuous development of the social productivity of science and technology. Brake plus inverter system has been widely applied in the implementation of the organization, I produced all asynchronous motors can configure the drive to run. At this point the brake must be provided separately stable power supply, and then can not be shared with the power terminals on the motor. Otherwise the brakes do not work properly. Need to make is brake motors with variable frequency operation, an axial flow fan to attach this fan only independent control and power

Notably, the company produces all kinds of asynchronous motor in the highest frequency range 60Hz, as you may have special requirements please let us know

YEJ制动电机接线方法/ YEJ wiring brake motor method

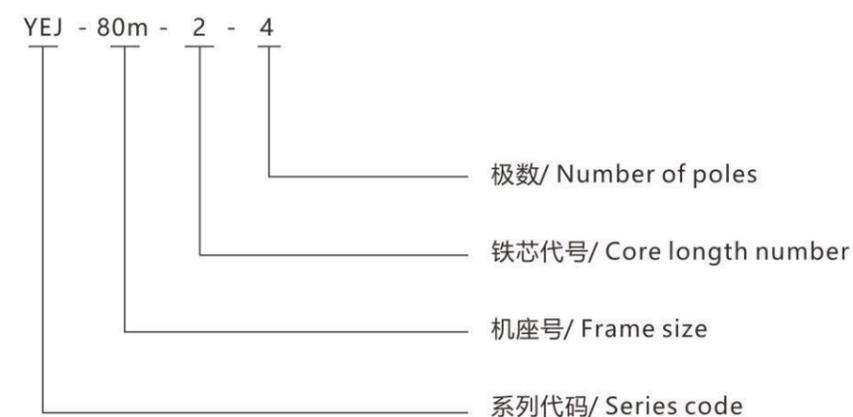


客户如有其他要求，可按订单制作

技术参数 / Technical parameters

型号 Type	额定功率	额定转速	效率	功率因数	额定电流	额定转矩	堵转转矩 LOCKED ROTOR TORQUE	最大转矩 MAXIMUM TORQUE	静制动力矩 STATIC BRAKE TORQUE NM 直流 DC	空载制动时间 BRAKE TORQUE RING IDIE
	RATED OUTPUT	RATED SPEED	EFFICIENCY	POWER FACTOR	RATED CURRENT	RATED TORQUE	额定转矩 RATED TORQUE	额定转矩 RATED TORQUE		
	KW	rpm	η(%)	(cos φ)	A	Nm	Ts/TN	Tmax/TN		S
YEJ-631-2	0.18	2800	65.0	0.80	0.53	0.61	2.2	2.2	3.5	0.10
YEJ-632-2	0.25	2800	68.0	0.81	0.69	0.85	2.2	2.2	3.5	0.10
YEJ-711-2	0.37	2830	70.0	0.81	0.99	1.25	2.2	2.2	4.0	0.10
YEJ-712-2	0.55	2830	73.0	0.82	1.40	1.86	2.2	2.3	4.0	0.10
YEJ-801-2	0.75	2840	75.0	0.83	1.83	2.52	2.2	2.3	7.5	0.10
YEJ-802-2	1.10	2840	77.0	0.84	2.55	3.70	2.2	2.3	7.5	0.10
YEJ-90S-2	1.50	2840	79.0	0.84	3.99	5.04	2.2	2.3	15	0.15
YEJ-90L-2	2.20	2840	81.0	0.85	4.80	7.40	2.2	2.3	15	0.15
YEJ-100L-2	3.00	2860	83.0	0.87	6.31	10.0	2.2	2.3	30	0.15
YEJ-112M-2	4.00	2880	85.0	0.88	8.22	13.3	2.2	2.3	40	0.15
YEJ-132S1-2	5.50	2910	86.0	0.88	11.2	18.0	2.2	2.3	80	0.15
YEJ-1322-2	7.50	2910	87.0	0.88	15.1	24.6	2.2	2.3	80	0.15
YEJ-160M1-2	11.0	2930	88.0	0.89	21.3	35.9	2.2	2.3	150	0.30
YEJ-160M2-2	15.0	2930	89.0	0.89	28.8	48.9	2.2	2.3	150	0.30
YEJ-160L-2	18.5	2935	90.0	0.90	34.7	60.2	2.2	2.3	150	0.30
YEJ-180M-2	22.0	2935	90.0	0.90	41.3	71.6	2.0	2.3	200	0.30

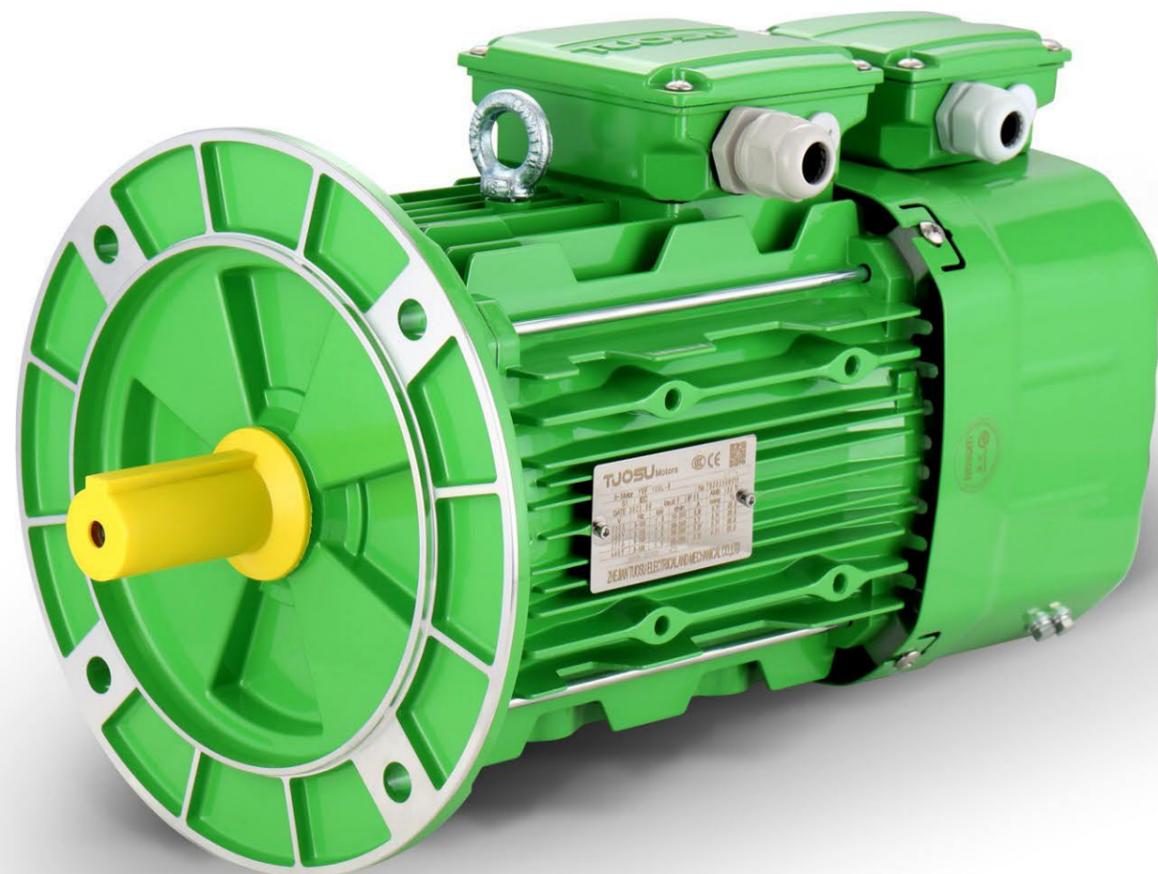
型号说明 / Model description



YVF

变频调速三相电机

Three-phase variable frequency speed motor



产品概述 / Product overview

由于电动机在低频区工作时,因转速降低而使电动机原有设计的通风系统作用降低,电动机温度上升,因此在电动机后端装有一台单相220V或三相380V的独立轴流冷却风机,保障电动机在任何转速下得到有效的散热,可实现电动机在高速或低速下长期运行。我公司生产的YVF三相变频电动机可配制动器,也可以配编码器,实现低速无级调速控制。YVF三相变频电动机通用性好,其安装尺寸符合IEC标准,与一般标准型电动机具有互换性。

Since the motor is in a low frequency region, because the motor speed is reduced leaving the original ventilation system designed to reduce the role of the motor temperature rise, so the rear end of the motor with a single-phase 220V or 380V three-phase individual axial cooling fan, to protect effective cooling of the motor at any speed, the electric motor can run at high speed or low speed produced YVF brakes can be equipped with three-phase inverter motor can also be equipped with an encoder to achieve low stepless speed control. With the IEC standard flange installation dimensions, YVF three-phase inverter motor keep the good universal, and it can be interchanged with general standard motor.

技术参数 / Technical parameters

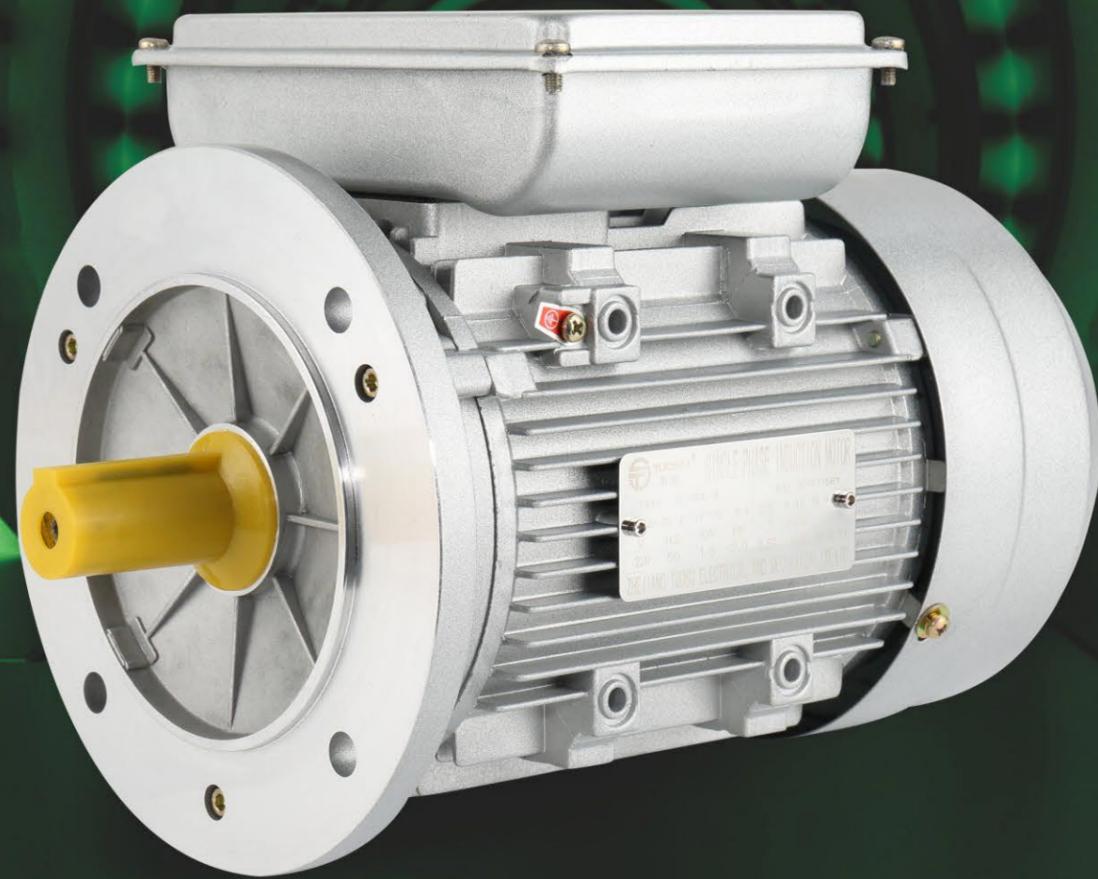
3000r/min 380V 50Hz

型号 Type	额定功率	额定转速	效率	功率因数	额定电流	额定转矩	堵转转矩	最大转矩	变频风机 FREQUENCY CONVERSION BLOWER		
	RATED OUTPUT	RATED SPEED	EFFICIENCY	POWER FACTOR	RATED CURRENT	RATED TORQUE	LOCKED ROTOR TORQUE	MAXIMUM TORQUE	电压 VOLTAGE		转速
	kW	rpm	η (%)	($\cos\phi$)	A	Nm	Ts/TN	Tmax/TN	三相 THREE PHASE	单相 SINGLE PHASE	RPM
YVF-631-2	0.18	2800	65.0	0.80	0.53	0.61	2.2	2.2	380	220	2800
YVF-632-2	0.25	2800	68.0	0.81	0.69	0.85	2.2	2.2	380	220	2800
YVF-711-2	0.37	2830	70.0	0.81	0.99	1.25	2.2	2.2	380	220	2800
YVF-712-2	0.55	2830	73.0	0.82	1.40	1.86	2.2	2.3	380	220	2800
YVF-801-2	0.75	2840	75.0	0.83	1.83	2.52	2.2	2.3	380	220	2800
YVF-802-2	1.10	2840	77.0	0.85	2.55	3.70	2.2	2.3	380	220	2800
YVF-90S-2	1.50	2840	79.0	0.85	3.39	5.04	2.2	2.3	380	220	2800
YVF-90L-2	2.20	2840	81.0	0.86	4.80	7.40	2.2	2.3	380	220	2800
YVF-100L-2	3.00	2860	83.0	0.87	6.31	10.0	2.2	2.3	380	220	2800
YVF-112M-2	4.00	2880	84.0	0.88	8.22	13.3	2.2	2.3	380	220	2800
YVF-132S1-2	5.50	2910	85.0	0.88	11.2	18.0	2.2	2.3	380	220	2800
YVF-132S2-2	7.50	2910	86.0	0.88	15.1	24.6	2.2	2.3	380	220	2800
YVF-160M1-2	11.0	2930	88.0	0.89	21.3	35.9	2.2	2.3	380	220	2800
YVF-160M2-2	15.0	2930	89.0	0.89	28.8	48.9	2.2	2.3	380	220	2800
YVF-160L-2	18.5	2935	90.0	0.90	34.7	60.2	2.2	2.3	380	220	2800
YVF-180M-2	22.0	2935	90.0	0.90	41.3	71.6	2.0	2.3	380	220	2800

YL/ML

单相异步铝壳电动机

YL/ML series single phase asynchronous aluminum shell motor



产品概述 / Product overview

YL/ML系列单相异步铝壳电容启动电动机采用了国际上最新设计由高质量材料按IEC相关标准研制而成，具有性能良好，操作可靠、安全，外表美观，维修方便，噪音小，微振动，重量轻，结构简单等一系列优点。YLML系列电动机适用于空压机，水泵，制冷器，医疗仪器，设备和其它需满载起动的机器。

YL/ML series Aluminum housing single-phase two value capacitor asynchronous motos, with the national latest design, are made of quality materials and meet the relative standards of EC YL/ML series motors have following features: good performance, safe and reliable operation, nice appearance, convenient maintenance low noise, slight vibration, light weight and simple construction. This series motors can be used on air compressor, pumps, refrigeration, medical apparatus and instruments, and many other small size machines

使用条件 / Operating conditions

环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$	Ambient temperature: $-15^{\circ}\text{C} < 0 < 40^{\circ}\text{C}$
海拔: 不超过1000米	Altitude: not exceed 1000m
额定电压: 220V, 110~240V	Rated voltage: 220V, 110V-240V
工作方式: S1 (连续工作制)	Rated frequency: 50HZ/60HZ
绝缘等级: B/F/H级	Duty: S1 (continuous)
防护等级: IP54、IP55	Insulation class: B/F/H
冷却方式: IC0141	Protection class: IP54/P55



技术参数 / Technical parameters

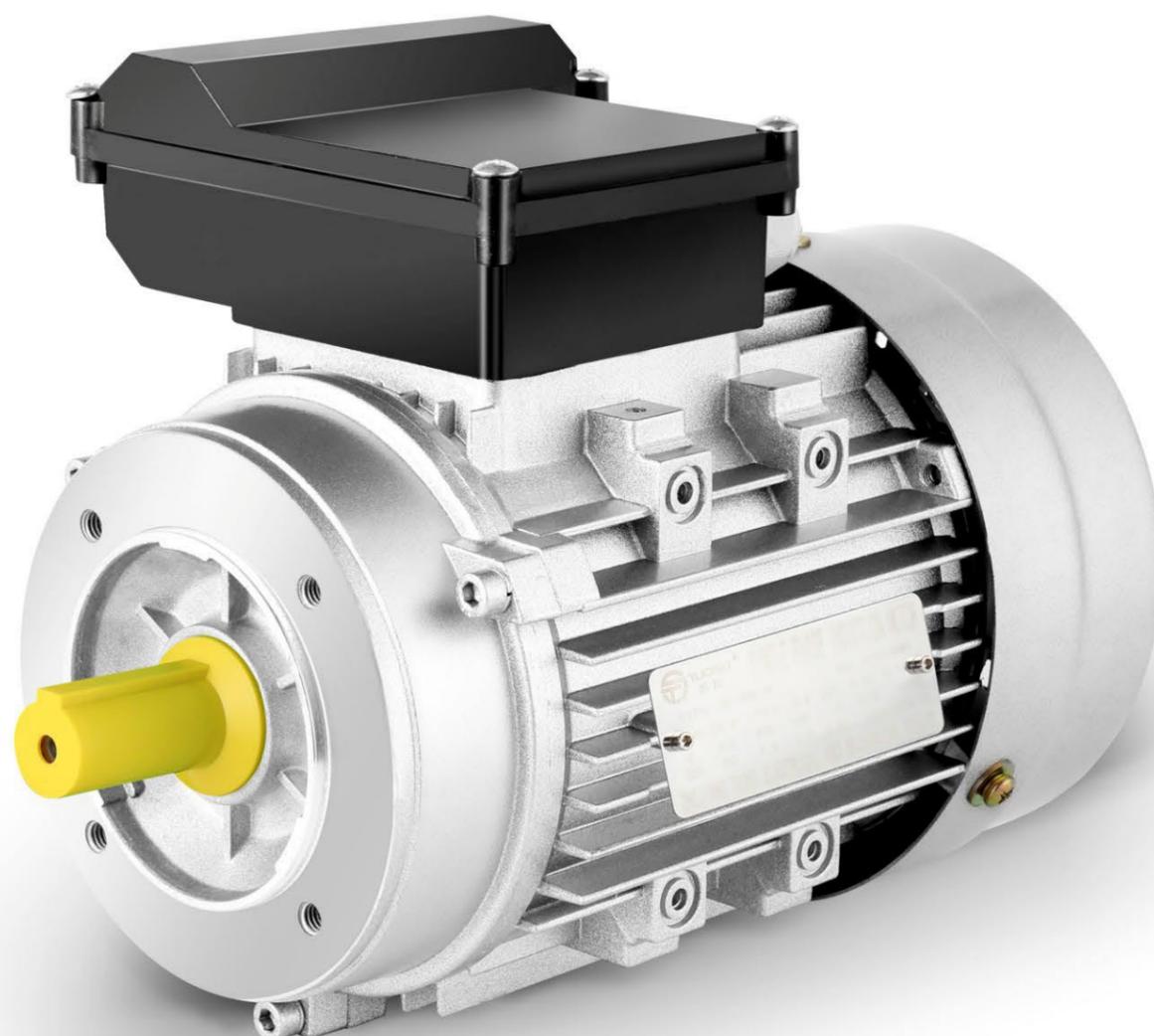
220V 50Hz

TYPE 型号	Output 功率 KW	电压 Voltage (V)	电流 Current (A)	转速 Speed (r/min)	效率 Efficiency (%)	功率因数 Power factor (COS ϕ)	堵转电流 Locked current (倍)	最大转矩 额定转矩 Max torque Rated torque
YL7112	0.25	220	1.95	2800	65	0.92	11	1.8
YL7122	0.37	220	2.73	2800	67	0.92	16	1.8
YL8012	0.55	220	3.88	2800	70	0.92	29	1.8
YL8022	0.75	220	5.15	2800	72	0.92	40	1.8
YL90S-2	1.10	220	7.02	2800	75	0.95	55	1.8
YL90L-2	1.50	220	9.44	2800	76	0.95	11	1.8
YL7114	0.18	220	1.55	1400	59	0.92	12	1.8
YL7124	0.25	220	1.99	1400	62	0.92	16	1.8
YL7134	0.37	220	2.81	1400	65	0.92	16	1.8
YL8014	0.37	220	2.81	1400	65	0.92	21	1.8
YL8024	0.55	220	4.00	1400	68	0.92	29	1.8
YL8034	0.75	220	5.22	1400	71	0.92	40	1.8
YL90S-4	1.10	220	7.21	1400	73	0.95	55	1.8
YL90L-4	1.50	220	9.57	1400	75	0.95	80	1.8
YL100L-4	2.20	220	13.9	1400	76	0.95	80	1.8

YY/MY

单相异步铝壳电动机

YL/ML series single phase asynchronous aluminum shell motor



产品概述 / Product overview

YY/MY系列单相异步铝壳电容启动电动机采用了国际上最新设计由高质量材料按IEC相关标准研制而成，具有性能良好，操作可靠、安全，外表美观，维修方便，噪音小，微振动，重量轻，结构简单等一系列优点。YY/MY系列电动机适用于空压机，水泵，制冷器，医疗仪器，设备和其它需满载起动的机器。

YY/MY series Aluminum housing single-phase two value capacitor asynchronous motos, with the national latest design, are made of quality materials and meet the relative standards of EC YY/MY series motors have following features: good performance, safe and reliable operation, nice appearance, convenient maintenance low noise, slight vibration, light weight and simple construction. This series motors can be used on air compressor, pumps, refrigeration, medical apparatus and instruments, and many other small size machines

使用条件 / Operating conditions

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: 220V, 110~240V
 工作方式: S1 (连续工作制)
 绝缘等级: B/F/H级
 防护等级: IP54、IP55
 冷却方式: IC0141

Ambient temperature: $-15^{\circ}\text{C} < 0 < 40^{\circ}\text{C}$
 Altitude: not exceed 1000m
 Rated voltage: 220V, 110V-240V
 Rated frequency: 50HZ/60HZ
 Duty: S1 (continuous)
 Insulation class: B/F/H
 Protection class: IP54/P55
 Cooling method: IC0141

技术参数 / Technical parameters

220V 50Hz

TYPE 型号	Output 功率 KW	电压 Voltage (V)	电流 Current (A)	转速 Speed (r/min)	效率 Efficiency (%)	功率因数 Power factor (COS ϕ)	堵转电流 Locked current (倍)	最大转矩 额定转矩 Max torque Rated torque
YY 6312	0.12	220	0.98	2800	58	0.92	5	1.7
YY 6322	0.18	220	1.48	2800	60	0.92	5	1.7
YY 6332	0.25	220	1.96	2800	63	0.92	7	1.7
YY 7112	0.25	220	1.95	2800	65	0.92	7	1.7
YY 7122	0.37	220	2.73	2800	67	0.92	10	1.7
YY 7132	0.55	220	3.88	2800	70	0.92	15	1.7
YY 8012	0.55	220	3.89	2800	71	0.92	15	1.7
YY 8022	0.75	220	5.15	2800	72	0.92	20	1.7
YY 8032	1.10	220	7.02	2800	75	0.95	30	1.7
YY 90S-2	1.50	220	9.44	2800	76	0.95	45	1.7
YY 90L-2	2.20	220	13.67	2800	77	0.95	65	1.7
YY 6314	0.09	220	0.81	1400	54	0.90	3	1.7
YY 6324	0.12	220	1.00	1400	55	0.90	3.5	1.7
YY 6334	0.18	220	1.62	1400	56	0.90	5	1.7
YY 7114	0.18	220	1.60	1400	57	0.92	5	1.7
YY 7124	0.25	220	2.02	1400	61	0.92	7	1.7
YY 7134	0.37	220	2.95	1400	62	0.92	10	1.7
YY 8014	0.37	220	2.85	1400	63	0.92	10	1.7
YY 8024	0.55	220	4.25	1400	64	0.92	15	1.7
YY 8034	0.75	220	5.45	1400	68	0.92	20	1.7
YY 90S-4	1.10	220	7.45	1400	71	0.95	30	1.7
YY 90L-4	1.50	220	9.83	1400	73	0.95	45	1.7