

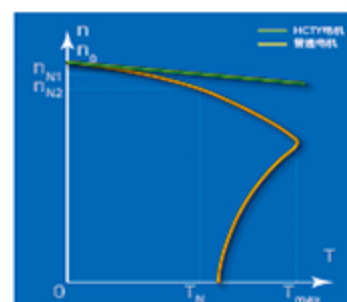
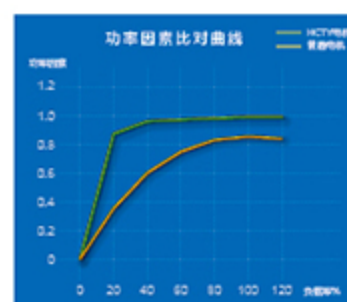
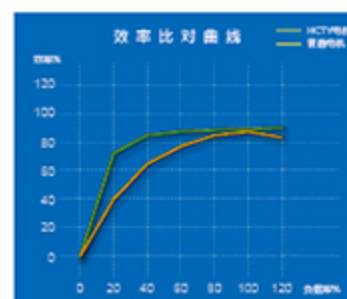
DYPM系列自启动三相永磁同步电机

Self-Starting DYPM

- 该系列产品效率指标达到 30523-2013 的二级以上 (The product efficiency index reached level 2 or above of 30523-2013)
- 该系列产品为全封闭、自冷结构，功率等级和安装尺寸完全符合 IEC 标准，采用 F 绝缘，工作方式为 S1，冷却方式为 IC411，外壳防护等级为 IP54。(This series of products are fully enclosed and self-cooled structure, and the power grade and installation size are in full compliance with IEC standards. F insulation is adopted, and the working mode is S1, the cooling mode is IC411, and the enclosure protection grade is IP54.)
- 该系列产品的频率为 50HZ，额定电压为 380V 或按客户要求，具有自启动能力，也可以变频启动，变频启动后可以实现工频切换。(The frequency of this series of products is 50HZ, rated voltage is 380V or according to customer requirements, with self-starting ability, also can be frequency conversion start, frequency conversion can be started to achieve power frequency switching.)
- 该系列产品可完全替换 y 系列低压异步电机，广泛用于石化、矿山、纺织等工况企业。(This series of products can completely replace Y series low-voltage asynchronous motors, widely used in petrochemical, mining, textile and other working conditions.)

■ 主要特点 Main Feature

- 效率高：DYPM 系列永磁电机效率指标在 92% 以上，达到国家 1 级、远高于欧盟 IE4<2017 年要求达到的电机能效水平> 标准。(High efficiency: The efficiency index of the DYPM series permanent magnet motors is above 92%, which not only reaches the state-level standard, but also outclasses the EU IE3 standard <It stands as the highest standard for energy efficiency of motors in 2017>)
- 功率因数高：在 DYPM 系列永磁电机转子中无感应电流励磁，定子绕组呈现阻性负载，电机在 1/4 负载至额定负载运行时，均有较高的功率因数。额定点的功率因数接近于 1。(High power factor: As for the DYPM series motors, they are free from induced current excitation. The stator winding performs as resistive load. Under the condition of 1/4 load to rated load, the motors can work with a high power factor, which is approximate to 1)
- 起动转矩大：DYPM 永磁同步电机的起动转矩大约是同规格异步电机的 2 倍左右。(Large starting torque: The starting torque of the DYPM series permanent magnet motor is about 2 times larger than that of its counterpart in Y/Y2 Series)
- 调速范围宽：电机转速严格和频率成正比例，变频调速精度极高，范围宽可达 1:1000 甚至于更高，异步电机只有 1:100。(Wide range in speed adjustment: Motor speed has a good performance and is proportional to frequency The precision of the frequency control is very high Besides, the range of frequency control is wide, which reaches 1: 1000 and even more, while the asynchronous motors can only reach 1: 100.))
- 其他：体积小、重量轻、耗材少、低噪音、温升低、结构简单、运行可靠 (others Features: Small size, light weight, low material consumption, low noise, low temperature rise, simple structure and reliability)



■ 产品型号示例 Product Model Example



■ DYTY 系列技术数据示例 DYTY Series Technical Data

DYTY - self-starting PMSM
DYTY 系列自启动永磁同步电机

型号 Type	额定功率 Rated Output (kW)	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	极数 poles	功率因素 Power Factor (COSΦ)	频率 Frequency (HZ)	转速 Speed (r/min)	额定转矩 Rated Torque (N.m)	效率 Efficiency (%)
DYTY90S-4	1.1	380	2.1	4	0.92	50	1500	7.0	86
DYTY90L-4	1.5	380	2.8	4	0.92	50	1500	9.6	87.5
DYTY100L1-4	2.2	380	4.1	4	0.92	50	1500	14.0	89.4
DYTY100L2-4	3	380	5.5	4	0.92	50	1500	19.1	89.8
DYTY112M-4	4	380	6.9	4	0.98	50	1500	25.5	90
DYTY132S-4	5.5	380	9.3	4	0.98	50	1500	35.0	92
DYTY132M-4	7.5	380	12.6	4	0.98	50	1500	47.8	92.5
DYTY160M-4	11	380	18.3	4	0.98	50	1500	70.0	93
DYTY160L-4	15	380	24.7	4	0.98	50	1500	95.5	94
DYTY180M-4	18.5	380	30.4	4	0.98	50	1500	117.8	94.3
DYTY180L-4	22	380	36.1	4	0.98	50	1500	140.1	94.5
DYTY200L-4	30	380	49.0	4	0.98	50	1500	191.0	95
DYTY80M-6	0.55	380	1.1	6	0.9	50	1000	5.3	81.3
DYTY90S-6	0.75	380	1.4	6	0.95	50	1000	7.2	85.5
DYTY90L-6	1.1	380	2.0	6	0.95	50	1000	10.5	86
DYTY100L-6	1.5	380	2.6	6	0.98	50	1000	14.3	88
DYTY112M-6	2.2	380	3.9	6	0.98	50	1000	21.0	88
DYTY132S-6	3	380	5.2	6	0.98	50	1000	28.7	90
DYTY132M1-6	4	380	6.9	6	0.98	50	1000	38.2	90.2
DYTY132M2-6	5.5	380	9.4	6	0.98	50	1000	52.5	91
DYTY160M-6	7.5	380	12.6	6	0.98	50	1000	71.6	92
DYTY160L-6	11	380	18.3	6	0.98	50	1000	105.1	93
DYTY200L1-6	18.5	380	30.4	6	0.98	50	1000	176.7	94.0
DYTY200L2-6	22	380	35.9	6	0.98	50	1000	210.1	95
DYTY225M-6	30	380	49.0	6	0.98	50	1000	286.5	95
DYTY250M-6	37	380	60.9	6	0.98	50	1000	353.4	94.2
DYTY100L-8	1.1	380	2.0	8	0.98	50	750	14.0	85
DYTY112M-8	1.5	380	2.7	8	0.98	50	750	19.1	87.5
DYTY132S-8	2.2	380	3.8	8	0.98	50	750	28.0	89
DYTY132M-8	3	380	5.1	8	0.98	50	750	38.2	90.5
DYTY160M1-8	4	380	6.8	8	0.98	50	750	50.9	91
DYTY160M2-8	5.5	380	9.3	8	0.98	50	750	70.0	91.5
DYTY160L-8	7.5	380	12.6	8	0.98	50	750	95.5	92.3
DYTY180L-8	11	380	18.3	8	0.98	50	750	140.1	93
DYTY200L-8	15	380	24.9	8	0.98	50	750	191.0	93.1
DYTY225S-8	18.5	380	30.6	8	0.98	50	750	235.6	93.8
DYTY225M-8	22	380	36.3	8	0.98	50	750	280.1	94
DYTY250M-8	30	380	49.4	8	0.98	50	750	382.0	94.2

DYTYP 系列变频调速三相永磁同步电机

Variable Frequency Speed-Regulating PMSM

- 该系列产品效率指标达到 30523-2013 的一级标准。(The efficiency index of this series of products reached the first level standard of 30523-2013.)
- 该系列产品为全封闭、自冷结构或独立风扇结构, 机座材质可按客户需求, 采用 F 绝缘, 工作方式为 S1, 外壳防护等级为 IP55。(This series of products are fully enclosed, self-cooling structure or independent fan structure, the material of the frame can be according to customer demand, F insulation, working mode is S1, the protection grade of the shell is IP55.)
- 该系列产品的额定电压为 380V 或按客户要求, 由变频器提供电力。在额定频率下, 电机恒转矩运行; 额定频率以上时, 电机恒功率运行。(The rated voltage of this series of products is 380V or according to customer's requirement, the power is supplied by frequency converter. Constant torque operation of the motor at rated frequency; Above rated frequency, the motor constant power operation.)
- 该系列产品可完全替换 Y2、Y3 系列低压异步电机, 广泛用于石化、矿山、纺织等工矿企业, 用于拖动风机、泵类、压缩机、皮带机等各种机械。(This series of products can completely replace Y series low-voltage asynchronous motors, widely used in petrochemical, mining, textile and other industrial and mining enterprises, for the drag fan, pump, compressor, belt machine and other machinery.)



■ 产品型号示例 Product Model Example

DYTYP 132S 15 — 7.5 L



- L:** 铝机壳, 不写默认为铸铁机壳 (represents aluminum housing, if not mark, it will be cast iron housing)
- 7.5:** 功率 (power), Unit: KW
- 15:** 转速 (the rotational speed), $15 \times 100 = 1500 \text{ RPM}$
- 132S:** 机座号 (frame number) L-Long; M-Middle; S-Short
- DYTYP:** 达远变频调速永磁同步电机 (DY variable frequency speed-regulating PMSM)

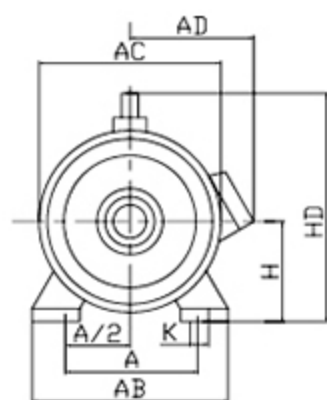
■ DYTYP 系列技术数据示例 DYTYP Series Technical Data

DYTYP - variable frequency speed-regulating PMSM(一级能效)
DYTYP 变频调速永磁同步电机

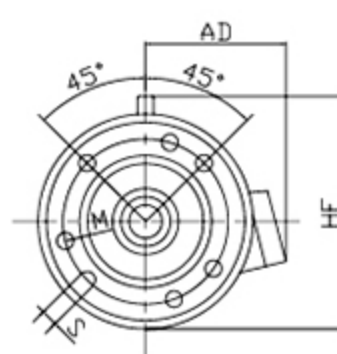
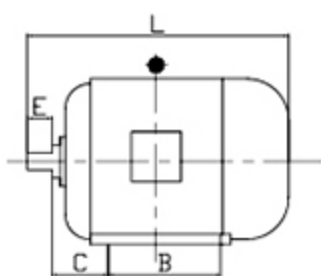
型号 Type	额定功率 Rated Output (kW)	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	极数 poles	频率 Frequency (HZ)	转速 Speed (r/min)	额定转矩 Rated Torque (N.m)	效率 Efficiency (%)
DYTYP132S7.5-5.5	5.5	380	9.4	8	50	750	70.0	92.3
DYTYP132M7.5-7.5	7.5	380	12.7	8	50	750	95.5	93.2
DYTYP160L7.5-9	9	380	15.2	8	50	750	114.6	93.5
DYTYP160L7.5-11	11	380	18.6	8	50	750	140.1	93.7
DYTYP180L7.5-15	15	380	25.2	8	50	750	191.0	94.1
DYTYP225M7.5-30	30	380	49.9	8	50	750	382.0	95.1
DYTYP250M7.5-37	37	380	61.4	8	50	750	471.1	95.3
DYTYP280M7.5-45	45	380	74.6	8	50	750	573.0	95.5
DYTYP280M7.5-55	55	380	91.1	8	50	750	700.3	95.6
DYTYP280M7.5-75	75	380	124.0	8	50	750	955.0	95.7
DYTYP280M7.5-90	90	380	148.8	8	50	750	1146.0	95.3
DYTYP132S10-5.5	5.5	380	9.3	8	66.7	1000	52.5	93.4
DYTYP132S10-7.5	7.5	380	12.6	8	66.7	1000	71.6	94.0
DYTYP132M10-9	9	380	15.1	8	66.7	1000	86.0	94.3
DYTYP160M10-11	11	380	18.4	8	66.7	1000	105.1	94.5
DYTYP160L10-15	15	380	25.0	8	66.7	1000	143.3	94.9
DYTYP180M10-15	15	380	25.0	8	66.7	1000	143.3	94.9
DYTYP180L10-18.5	18.5	380	30.7	8	66.7	1000	176.7	95.3
DYTYP180L10-22	22	380	36.4	6	50.0	1000	210.1	95.6
DYTYP200L10-22	22	380	36.4	6	50.0	1000	210.1	95.6
DYTYP200L10-30	30	380	49.6	6	50.0	1000	286.5	95.8
DYTYP225S10-37	37	380	61.0	8	66.7	1000	353.4	96.0
DYTYP225M10-45	45	380	74.0	8	66.7	1000	429.8	96.2
DYTYP225M10-55	55	380	90.4	8	66.7	1000	525.3	96.3
DYTYP280M10-75	75	380	123.1	8	66.7	1000	716.3	96.4
DYTYP280M10-90	90	380	147.6	8	66.7	1000	859.5	96.5
DYTYP280M10-110	110	380	180.4	8	66.7	1000	1050.5	96.5
DYTYP112M15-5.5	5.5	380	9.5	4	50	1500	35.0	92.1
DYTYP132S15-7.5	7.5	380	12.8	8	100	1500	47.8	92.6
DYTYP132S15-9	9	380	15.3	8	100	1500	57.3	93.3
DYTYP132S15-11	11	380	18.6	8	100	1500	70.0	93.6
DYTYP132M15-15	15	380	25.3	8	100	1500	95.5	94.0
DYTYP160M15-15	15	380	25.3	8	100	1500	95.5	94.0
DYTYP160M15-18.5	18.5	380	31.0	8	100	1500	117.8	94.3
DYTYP160L15-22	22	380	36.8	8	100	1500	140.1	94.7
DYTYP180M15-22	22	380	36.8	8	100	1500	140.1	94.2
DYTYP180L15-30	30	380	50.0	8	100	1500	191.0	95.0
DYTYP200L15-30	30	380	50.0	6	75	1500	191.0	95.0
DYTYP200L15-37	37	380	61.4	6	75	1500	235.6	95.3
DYTYP225S15-45	45	380	74.5	8	100	1500	286.5	95.6
DYTYP225S15-55	55	380	90.9	8	100	1500	350.2	95.8
DYTYP250M15-75	75	380	123.6	8	100	1500	477.5	96.0
DYTYP250M15-90	90	380	148.1	8	100	1500	573.0	96.2
DYTYP280M15-110	110	380	180.6	8	100	1500	700.3	96.4
DYTYP280M15-132	132	380	216.5	8	100	1500	840.4	96.5
DYTYP112M30-5.5	5.5	380	9.3	4	100	3000	17.5	94.0
DYTYP112M30-7.5	7.5	380	12.6	4	100	3000	23.9	94.5
DYTYP132S30-11	11	380	18.3	8	200	3000	35.0	95.0
DYTYP132S30-15	15	380	24.9	8	200	3000	47.8	95.3
DYTYP160M30-18.5	18.5	380	30.6	8	200	3000	58.9	95.6
DYTYP160M30-22	22	380	36.3	8	200	3000	70.0	95.9
DYTYP160M30-30	30	380	49.4	8	200	3000	95.5	96.1
DYTYP160M30-37	37	380	60.8	8	200	3000	117.8	96.3
DYTYP180M30-45	45	380	73.9	8	200	3000	143.3	96.4
DYTYP200L30-55	55	380	90.2	6	150	3000	175.1	96.5
DYTYP225S30-75	75	380	122.9	8	200	3000	238.8	96.6
DYTYP225S30-90	90	380	147.3	8	200	3000	286.5	96.2
DYTYP250M30-110	110	380	179.8	8	200	3000	350.2	96.8
DYTYP250M30-132	132	380	215.8	8	200	3000	420.2	96.3
DYTYP280M30-160	160	380	261.1	8	200	3000	509.3	97.0

DYTY 系列电机安装尺寸 Specification for the Installation of HCTY Series Motors

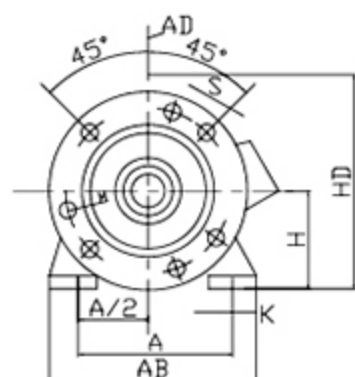
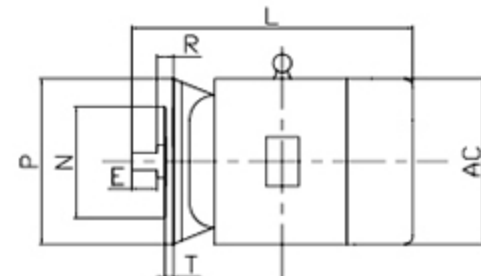
机座号 Frame size	凸缘号 Flange size	极数 Pole No.	机座 Frame						轴伸 Shaft extension				凸圆端盖 Convex circle end cover								AB	AC	AD	HD	L																																	
			A	A/2	B	C	H	K	D	E	F	G	M	N	P	R	S	T	孔数 hole No.																																							
Y80	FF165	2.4	125	62.5	100	50	80	10	19	40	6	15.5	165	130	200		12	3.5		4	165	175	150	175	290																																	
Y90S		2.4.6	140	70		125	56		90	24	50	8									20	215	180	250	280	275	210	315	340																													
Y90L			160	80			140		63	100	28										60									24	205	215	180	245	380																							
Y100L	FF215				190	95		178	70	112	12		38	80	10	33	265	230	300	245	240	190	265	400	475	515																																
Y112M			216	108	89	132	15		42	110			14	42.5	300	250	350	0		19	5	8																																				
Y132S	FF265	2.4.6.8	254	127	210	108		160			48	16																49	350	300	400																											
Y132M																																										178	89	132	12	38	80	10	33	265	230	300	280	275	210	315	475	515
Y160M																																																										
Y160S							FF350		4.8	356			178	311	149	225	19	60	140	18	53	400	350	450																																		
Y160L	FF400	2	356	178	311	149		225			19	60																140	18	53	400	350	450																									
Y180M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y180L	FF500	2	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y200L							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y225S	FF500	2	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y225M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y250M	FF500	2	406	203	349	168		250			24	65																140	18	58	500	450	550																									
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Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
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Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
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Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
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Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									
Y280M							FF500		4.6.8	406			203	349	168	250	24	65	140	18	58	500	450	550																																		
Y280M	FF500	4.6.8	406	203	349	168		250			24	65																140	18	58	500	450	550																									



安装方式 B3
Installation Method B3



安装方式 B5
Installation Method B5



安装方式 B35
Installation Method B35

