

### YD系列变极多速三相异步电动机 YD SERIES POLE-CHANGING THREE PHASE INDOCTION MOTOR

机座号：80 ~ 280

功率：0.45 ~ 82KW

适用于：要求随负载的性质逐级调速的各种传动机械如机床、矿山、冶金、纺织、印染、化工等行业。

Applications: Widely used in such industry which have step changes of rotational speed to meet the requirements of load character, as machine tools ,mining ,metallurgy ,textile ,printing and dyeing ,chemical industry and agricultural machinery ,etc .

特点：采用改变绕组的接法来变换电机的转速和输出功率，使其与机械设备的负载特性匹配，简化了变速系统、高效、节能。  
Features: simplify speed-changing systems by changing the connection to obtain different output and speed.



变速方案：双速

Pole-changing mode: double speed.

### 性能数据 PERFORMANCE DATA

380V 50Hz

型号 Type	极数 Pole	功率 kW	满载时 Full load				堵转转矩 额定转矩 Locked rotor torque Rated torque	堵转电流 额定电流 Locked rotor current Rated current	最大转矩 额定转矩 Breakdown torque Rated torque
			额定电流 Current A	转速 r/min	效率 Eff %	功率因数 Power factor			
同步转速 1500/3000 r/min									
YD801-4/2	4	0.45	1.4	1420	66	0.74	1.5	6.5	1.8
	2	0.55	1.5	2860	65	0.85	1.7	7	
YD802-4/2	4	0.55	1.7	1420	68	0.74	1.6	6.5	1.8
	2	0.75	2.0	2860	66	0.85	1.8	7	
YD90S-4/2	4	0.85	2.3	1430	74	0.77	1.8	6.5	1.8
	2	1.1	2.8	2850	71	0.85	1.9	7	
YD90L-4/2	4	1.3	3.3	1430	76	0.78	1.8	6.5	1.8
	2	1.8	4.4	2850	73	0.85	2.0	7	
YD100L1-4/2	4	2	4.8	1430	78	0.81	1.7	6.5	1.8
	2	2.4	5.6	2850	76	0.86	1.9	7	
YD100L2-4/2	4	2.4	5.6	1450	79	0.83	1.6	6.5	1.8
	2	3.0	6.7	2850	77	0.89	1.7	7	
YD112M-4/2	4	3.3	7.4	1450	82	0.83	1.9	6.5	1.8
	2	4	8.6	2880	79	0.89	2.0	7	
YD132S-4/2	4	4.5	9.8	1450	83	0.84	1.7	6.5	1.8
	2	5.5	11.9	2880	79	0.89	1.8	7	
YD132M-4/2	4	6.5	13.8	1460	84	0.85	1.7	6.5	1.8
	2	8	17.1	2880	80	0.89	1.8	7	
YD160M-4/2	4	9	18.5	1460	87	0.85	1.6	6.5	1.8
	2	11	22.9	2920	82	0.89	1.8	7	



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			额定电流 Current A	转速 r/min	效率 Eff %	功率因数 Power factor			
同步转速 1500/3000 r/min									
YD160L-4/2	4	11	22.3	1460	87	0.86	1.7	6.5	1.8
	2	14	28.8	2920	82	0.90	1.9	7	
YD180M-4/2	4	15	29.4	1470	89	0.87	1.8	6.5	1.8
	2	18.5	36.7	2940	85	0.90	1.9	7	
YD180L-4/2	4	18.5	35.9	1470	89	0.88	1.6	6.5	1.8
	2	22	42.7	2940	86	0.91	1.8	7	
YD200L-4/2	4	26	49.9	1470	89	0.89	1.4	6.5	1.8
	2	30	58.3	2950	85	0.92	1.6	7	
YD225S-4/2	4	32	60.7	1470	90	0.89	1.4	6.5	1.8
	2	37	71.1	2950	86	0.92	1.6	7	
YD225M-4/2	4	37	61.4	1480	91	0.89	1.6	6.5	1.8
	2	45	86.4	2970	86	0.92	1.6	7	
YD250M-4/2	4	45	84.4	1480	91	0.89	1.6	6.5	1.8
	2	52	98.7	2970	87	0.92	1.6	7	
YD280S-4/2	4	60	111	1480	91	0.90	1.4	6.5	1.8
	2	72	135	2970	88	0.92	1.5	7	
YD280M-4/2	4	72	134	1480	91	0.90	1.4	6.5	1.8
	2	82	152	2970	88	0.93	1.5	7	
同步转速 1000/1500 r/min									
YD90S-6/4	6	0.65	2.3	920	64	0.68	1.6	6	1.8
	4	0.85	2.3	1420	70	0.79	1.4	6.5	
YD90L-6/4	6	0.85	2.8	930	66	0.70	1.6	6	1.8
	4	1.1	3.0	1440	71	0.79	1.5	6.5	
YD100L1-6/4	6	1.3	3.8	940	74	0.70	1.7	6	1.8
	4	1.8	4.4	1440	77	0.80	1.4	6.5	
YD100L2-6/4	6	1.5	4.3	940	75	0.70	1.6	6	1.8
	4	2.2	5.4	1440	77	0.80	1.4	6.5	
YD112M-6/4	6	2.2	5.7	960	78	0.75	1.8	6	1.8
	4	2.8	6.7	1440	77	0.82	1.5	6.5	
YD132S-6/4	6	3	7.7	960	79	0.75	1.8	6	1.8
	4	4	9.5	1440	78	0.82	1.7	6.5	
YD132M-6/4	6	4	9.8	970	82	0.76	1.6	6	1.8
	4	5.5	12.3	1440	80	0.85	1.4	6.5	
YD160M-6/4	6	6.5	15.1	970	84	0.78	1.5	6	1.8
	4	8	17.4	1460	82	0.84	1.5	6.5	
YD160L-6/4	6	9	20.6	970	85	0.78	1.6	6	1.8
	4	11	23.4	1460	83	0.85	1.7	6.5	
YD180M-6/4	6	11	25.9	980	85	0.76	1.6	6	1.8
	4	14	29.8	1470	84	0.85	1.7	6.5	
YD180L-6/4	6	13	29.4	980	86	0.78	1.7	6	1.8
	4	16	33.6	1470	85	0.85	1.7	6.5	



## 性能数据 PERFORMANCE DATA

380V 50Hz

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			额定电流 Current A	转速 r/min	效率 Eff %	功率因数 Power factor			
同步转速 1000/1500 r/min									
YD200L-6/4	6	18.5	41.4	980	87	0.78	1.6	6.5	1.8
	4	22	44.9	1470	86.5	0.86	1.5	7	
YD225S-6/4	6	22	44.2	980	88	0.86	1.8	6.5	1.8
	4	28	56.5	1470	86.5	0.87	1.8	7	
YD225M-6/4	6	26	52.2	980	88	0.86	1.8	6.5	1.8
	4	32	63.2	1480	85.5	0.90	1.8	7	
YD250M-6/4	6	32	62.1	980	90	0.87	1.5	6.5	1.8
	4	42	81.1	1480	86.5	0.91	1.3	7	
YD280S-6/4	6	42	81.5	980	90	0.87	1.5	6.5	1.8
	4	55	107	1480	87	0.90	1.6	7	
YD280M-6/4	6	55	107	980	90	0.87	1.6	6.5	1.8
	4	67	132	1480	87	0.89	1.3	7	
同步转速 750/1500 r/min									
YD90L-8/4	8	0.45	1.9	700	58	0.63	1.6	5.5	1.8
	4	0.75	1.8	1420	72	0.87	1.4	6.5	
YD100L-8/4	8	0.85	3.1	700	67	0.63	1.6	5.5	1.8
	4	1.5	3.5	1410	74	0.88	1.4	6.5	
YD112M-8/4	8	1.5	5	700	72	0.63	1.7	5.5	1.8
	4	2.4	5.3	1410	78	0.88	1.7	6.5	
YD132S-8/4	8	2.2	7	720	75	0.64	1.5	5.5	1.8
	4	3.3	7.1	1440	80	0.88	1.7	6.5	
YD132M-8/4	8	3	9	720	78	0.65	1.5	5.5	1.8
	4	4.5	9.4	1440	82	0.89	1.6	6.5	
YD160M-8/4	8	5	13.9	730	83	0.66	1.5	5.5	1.8
	4	7.5	15.2	1450	84	0.89	1.6	6.5	
YD160L-8/4	8	7	19	730	85	0.66	1.5	5.5	1.8
	4	11	21.8	1450	86	0.89	1.6	6.5	
YD180L-8/4	8	11	26.7	730	87	0.72	1.5	6	1.8
	4	17	32.6	1470	88	0.91	1.5	7	
YD200L1-8/4	8	14	33	730	87	0.74	1.8	6	1.8
	4	22	41.3	1470	88	0.92	1.7	7	
YD200L2-8/4	8	17	40.1	730	87	0.74	1.5	6	1.8
	4	26	48.8	1470	88	0.92	1.7	7	
YD225M-8/4	8	24	53.2	730	89	0.77	1.5	6	1.8
	4	34	66.7	1470	88	0.88	1.5	7	
YD250M-8/4	8	30	65	730	90	0.78	1.6	6	1.8
	4	42	78.8	1480	89	0.91	1.7	7	
YD280S-8/4	8	40	83.5	740	91	0.80	1.6	6	1.8
	4	55	102	1480	90	0.91	1.7	7	
YD280M-8/4	8	47	96.9	740	91	0.81	1.6	6	1.8
	4	67	123	1480	90	0.92	1.7	7	



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			额定电流 Current A	转速 r/min	效率 Eff %	功率因数 Power factor			
同步转速 750/1000 r/min									
YD90S-8/6	8	0.35	1.6	700	56	0.60	1.8	5	1.8
	6	0.45	1.4	930	70	0.72	2.0	6	
YD90L-8/6	8	0.45	1.9	700	59	0.60	1.7	5	1.8
	6	0.65	1.9	930	71	0.73	1.8	6	
YD100L-8/6	8	0.75	2.9	710	65	0.60	1.8	5	1.8
	6	1.1	3.1	950	75	0.73	1.9	6	
YD112M-8/6	8	1.3	4.5	710	72	0.61	1.7	5	1.8
	6	1.8	4.8	950	78	0.73	1.9	6	
YD132S-8/6	8	1.8	5.8	730	76	0.62	1.6	5	1.8
	6	2.4	6.2	970	80	0.73	1.9	6	
YD132M-8/6	8	2.6	8.2	730	78	0.62	1.9	5	1.8
	6	3.7	9.2	970	82	0.73	1.9	6	
YD160M-8/6	8	4.5	13.3	730	83	0.62	1.6	5	1.8
	6	6	14.7	980	85	0.73	1.9	6	
YD160L-8/6	8	6	17.5	730	84	0.62	1.6	5	1.8
	6	8	19.7	980	86	0.73	1.9	6	
YD180M-8/6	8	7.5	21.9	730	84	0.62	1.9	5	1.8
	6	10	24.2	980	86	0.73	1.9	6	
YD180L-8/6	8	9	24.8	730	85	0.65	1.8	5	1.8
	6	12	28.3	980	86	0.75	1.8	6	
YD200L1-8/6	8	12	32.6	730	86	0.65	1.8	5	1.8
	6	17	39.1	980	87	0.76	2.0	6	
YD200L2-8/6	8	15	40.3	730	87	0.65	1.8	5	1.8
	6	20	45.4	980	88	0.76	2.0	6	
同步转速 500/1000 r/min									
YD160M-12/6	12	2.6	11.6	480	74	0.46	1.2	4	1.8
	6	5	11.9	970	84	0.76	1.4	6	
YD160L-12/6	12	3.7	16.1	480	76	0.46	1.2	4	1.8
	6	7	15.8	970	85	0.79	1.4	6	
YD180L-12/6	12	5.5	19.6	490	79	0.54	1.3	4	1.8
	6	10	20.5	980	86	0.86	1.3	6	
YD200L1-12/6	12	7.5	24.5	490	83	0.56	1.5	4	1.8
	6	13	26.4	980	87	0.86	1.5	6	
YD200L2-12/6	12	9	28.9	490	83	0.57	1.5	4	1.8
	6	15	30.1	980	87	0.87	1.5	6	
YD225M-12/6	12	12	35.2	490	85	0.61	1.5	4	1.8
	6	20	39.7	980	88	0.87	1.5	6	
YD250M-12/6	12	15	42.1	490	86	0.63	1.5	4	1.8
	6	24	47.1	980	89	0.87	1.5	6	
YD280S-12/6	12	20	54.8	490	88	0.63	1.5	4	1.8
	6	30	58.9	980	89	0.87	1.5	6	
YD280M-12/6	12	24	63.8	490	88	0.65	1.5	4	1.8
	6	37	72.6	980	89	0.87	1.5	6	

