

MARINE ELECTRIC MOTOR

YD Series Variable Pole Multi-Speed Three-Phase Asynchronous Motor

Introduction YD series variable pole multi-speed three-phase asynchronous motor is a main deriving series of three-phase induction motors. It is able to change its poles and rotation speeds according to various loadings, so as to go match with the powers and to simplify speed-changing system. It has been widely used in the fields of machinery, mines, textile industry, printing and dyeing, chemical industry, farming machines, and construction machines. It has the features of high efficiency, large moment for rotation low noise and small vibration. It is a new kind of energy-saving motor.

- ISO9001 Supplier
- Class Certificate
- Export Supply



Key Highlights

Category	Marine Electric Motor
Standard	DIN
Weight / Size	S1 continuity The dimensions for mounting and mounting arrangements are ...
Certificate	CCS/LR/DNV/KR

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Marine Electric Motor	Model / SKU	YD-Series-Variable-Pole-Multi-Speed-Three-Phase-Asynchronous-Motor
Standard	DIN	Weight / Size	S1 continuity The dimensions for mounting and mounting arrangements are same with Y series motors.
Certificate	CCS/LR/DNV/KR	Warranty	12 Months unless specified otherwise
Origin	China		

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Introduction

YD series variable pole multi-speed three-phase asynchronous motor is a main deriving series of three-phase induction motors. It is able to change its poles and rotation speeds according to various loadings, so as to go match with the powers and to simplify speed-changing system. It has been widely used in the fields of machinery, mines, textile industry, printing and dyeing, chemical industry, farming machines, and construction machines. It has the features of high efficiency, large moment for rotation low noise and small vibration. It is a new kind of energy-saving motor.

- Operating Conditions:
- Temperature: -15℃ ~ 40℃
- Height of Sea Level: Less than 1000m
- Comparative humidity: ≤ 90%
- Frequency: 50Hz
- Voltage: 380V
- IP : IP44
- Operating Class: S1 continuity

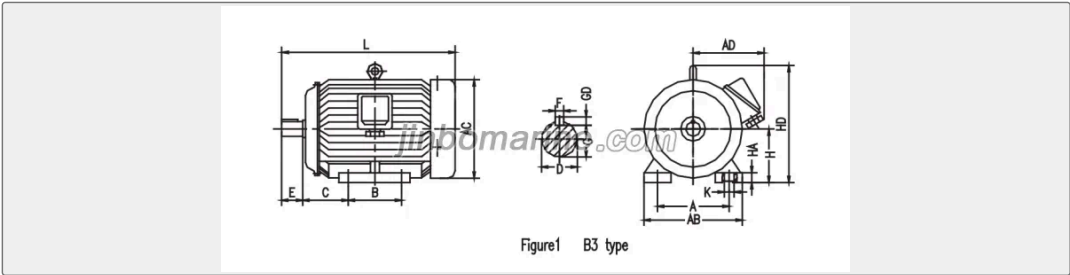
The dimensions for mounting and mounting arrangements are same with Y series motors.

Main technical data

Type	Output kW	A	r/min	Connect ion method	Type	Out put kW	A	r/min	Connecti on method
YD801-4/2	0.45/0.55	1.4/1.5	1420/2860	△ /YY	YD160L-6/4	9/11	20.6/23.7	965/1465	△ /YY
YD802-4/2	0.55/0.75	1.7/2.0	1420/2860		YD160L-8/4	7/11	19.0/21.8	730/1455	
YD90S-4/2	0.85/1.1	2.3/2.8	1415/2845		YD160L-8/6	6/8	17.5/19.4	730/980	
YD90L-4/2	1.3/1.8	3.3/4.4	1410/2855		YD160L-12/6	3.7/7	16.1/15.8	485/975	
YD90S-6/4	0.65/0.85	2.3/2.3	920/1410		YD160L-6/4/2	4.5/7/9	11.4/15.1/18.8	980/1470/2940	Y/ △ /YY
YD90L-6/4	0.85/1.1	2.8/3.0	925/1415		YD160L-8/4/2	2.8/7/9	9.2/15.1/18.8	730/1470/2940	
YD90L-8/4	0.45/0.75	1.9/1.9	670/1390		YD160L-8/6/4	4.5/6/7.5	13.8/14.5/15.6	735/980/1460	△ /Y/YY
YD90S-8/6	0.35/0.45	1.6/1.4	675/930		YD180M-6/4	4.5/14	17.5/32	984/1479	△ /YY
YD90L-8/6	0.45/0.65	1.9/1.8	680/920		YD180M-8/6	4.5/10	21/24. 5	736/984	
YD100L1-4/2	2/2.4	4.8/5.6	1435/2855		YD180M-8/6	5.5/10	22.1/24.5	736/984	
YD100L2-4/2	2.4/3	5.6/6.7	1430/2855		YD180L-6/4	6.5/13	19.3/30.5	984/1479	
YD100L1-6/4	1.3/1.8	3.8/4.4	940/1440		YD180L-6/4	4.5/15	17.5/33.5	984/1479	
YD100L2-6/4	1.5/2.2	4.3/5.4	945/1435		YD180L-6/4	13/16	28.6/35.5	984/1479	
YD100L-8/4	0.85/1.5	3.1/3.5	710/1415		YD180L-6/4	14/16	30/35. 5	984/1479	
YD100L-8/6	0.75/1.1	2.9/3.1	710/950		YD180L-6/4	5.5/17	18.3/36.8	984/1479	
YD100L-6/4/2	0.75/1.3/1.8	2.6/3.7/4. 5	950/1450/2905	Y/ △ /YY	YD180L-6/4	5/19. 5	17.8/43	984/1479	
YD112M-4/2	3.3/4	7.4/8.6	1460/2960	△ /YY	YD180L-8/4	11/17	30/32	725/1460	
YD112M-6/4	2.2/2.8	5.7/6.7	945/1450		YD180L-8/4	5.5/19	23/36	725/1460	
YD112M-8/4	1.5/2.4	5.0/5.3	690/1445		YD180L-8/6	2.5/12	22.1/27.5	725/1460	
YD112M-8/6	1.3/1.8	4.5/4.8	695/950	Y/ △ /YY	YD200L-4/2	26/30	49.9/58.3	1470/2950	△ /YY
YD112M-6/4/2	1.1/2/2.4	3.5/5.1/5.8	960/1465/2975		YD200L-6/4	8/24	24/48.2	980/1460	
YD112M-8/4/2	0.65/2/2.4	2. 7/5.1/5.8	685/1465/2975		YD200L-6/4	18. 5/22	41.4/44.9	980/1460	
YD112M-8/6/4	0.85/1/1. 5	3. 7/3.1/3.5	700/950/1460	△ /Y/YY	YD200L-6/4	12/20	27.5/40.5	980/1460	Y/ △ /YY
YD132S-4/2	4.5/5.5	9.8/11.9	1470/2957	△ /YY	YD200L-6/4	5/19	20/39	980/1460	
YD132S-6/4	3/4	7.7/9.5	965/1470		YD200L-6/4	11/18.5	26/38. 5	980/1460	
YD132S-8/4	2.2/3.3	7.0/7.1	715/1465		YD200L-6/4	12/17	27.3/34	980/1460	
YD132S-8/6	1.8/2.4	5.8/6.2	715/970		YD200L1-8/6	8/17	24/40	730/976	
YD132S-6/4/2	1.8/2.6/3	5.1/6.1/7.4	970/1475/2970	Y/ △ /YY	YD200L2-8/6	11/22	30/47	730/976	
YD132S-8/4/2	1/2.6/3	3.5/5.9/7.0	710/1475/2970		YD200L2-8/6	15/20	31/43	730/976	
YD132S-8/6/4	1.1/1.5/1.8	4.1/4.2/4.0	720/970/1470	△ /Y/YY	YD200L2-8/6	10/20	28.5/43	730/976	
YD132M-4/2	6.5/8	13.8/17.1	1470/2960	△ /YY	YD200L-8/6/4	10/13/17	27.2/34/40	740/980/1470	Y/ △ /YY
YD132M-6/4	4/5.5	9.8/12.3	960/1470		YD225S-6/4	22/28	43.5/53.1	984/1479	△ /YY
YD132M-8/4	3/4.5	9.0/9.4	715/1465		YD225S-8/6/4	14/18.5/24	35/40/48	740/990/1480	△ /Y/YY
YD132M-8/6	2.6/3.7	5.8/6.2	715/970		YD225M-6/4	35/32	51.5/60.5	985/1475	△ /YY
YD132M1-6/4/2	2.2/3.3/4	6.0/7.5/8.8	970/1470/2970	Y/△/YY	YD225M-8/4	24/34	52.5/66.7	734/1469	
YD132M2-6/4/2	2.6/4/5	6.9/9.0/10.8	970/1475/2960		YD225M-8/6	12/25	34/50	739/979	
YD132M-8/4/2	1.3/3.7/4. 5	4.6/8.4/10.0	710/1475/2970		YD225M-8/6	15/22	34/48	739/979	

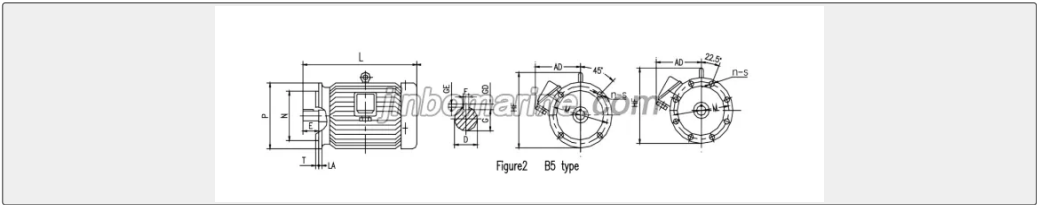
YD132M1-8/6/4	1.5/2.2	5.2/5.4/4.9	720/975/1470	Δ /Y/YY	YD225M-12/6	7.5/22	20/44	480/980	Y/YY
YD132M2-8/6/4	1.8/2.6/3	6.1/6.8/6.5	720/975/1470		YD225M-12/6	4.4/22	14.8/44	480/980	
YD160M-4/2	9/11	18.5/22.9	1460/2920	Δ /YY	YD250M-6/4	32/42	62/80	989/1482	Δ /YY
YD160M-6/4	6.5/8	15.1/17.4	965/1460		YD250M-8/6	15/30	35/56	742/983	
YD160M-8/4	5/7.5	13.9/15.2	730/1450		YD280S-8/6	20/37	48/69. 5	720/970	Δ /YY
YD160M-8/6	4.5/6	13.3/14.7	730/975		YD280S-8/6	18/37	43/69. 5	743/970	
YD160M-6/12	2.6/5	11.6/11.9	485/975		YD280M1-8/6	22/40	56//77	744/983	
YD160M-6/4/2	3.7/5/6	9.5/11.2/13.2	975/1475/2945	Y/ Δ /YY	YD280M1-8/6	22/45	56/87	744/983	
YD160M-8/4/2	2.2/5/6	7.6/11.2/13.2	730/1475/2945		YD280M2-8/6	27/55	65/108	744/983	
YD160M-8/6/4	3.3/4/5.5	10.2/9.9/11.6	735/980/1460	Δ /Y/YY	YD280M-10/8	22/35	60/80	593/939	Y/Y
YD160L-4/2	11/14	22.3/28.8	1455/2925	Δ /YY					

Mounting and overall dimensions
B3



Frame size	Mounting and overall dimensions															
	A	B	C	D	E	F	G	GD	H	K	AB	AC	AD	HA	HD	L
80	125	100	50	19	40	6	15.5	6	80	10	165	165	160	12	205	290
90S	140	125	56	24	50	8	20	7	90	12	180	180	175	14	225	320
90L																350
100L	160	140	63	28	60	10	24	8	100	15	205	205	185	16	250	385
112M	190	178	70						112		245	230	195	18	270	405
132S	216		89	38	80	10	33		132	19	280	270	245	20	320	480
132M																520
160M	254	210	108	42	110	12	37	9	160	24	330	325	270	22	385	605
160L		254														650
180M	279	241	121	48	140	14	42.5		180	24	355	360	290	24	425	670
180L		279														710
200L	318	305	133	55	110/140	16	49	10	200	24	395	400	355	28	475	780
225S	356	286	149	55/60		16/18	49/53	10/11	225		435	450	370	30	530	825
225M		311														820/850
250M	406	349	168	60/65	140	18	53/58	11	250	24	490	495	455	32	570	935
280S	457	368	190	65/75		18/20	58/67. 5	11/12	280		550	550	470	38	640	1020
280M		419														1070
Note : The numerators of fractions in the table give the data of 2-pole motors and the denominators of fractions the data motors more than 2-pole.																

B5



Frame size	Mounting and overall dimensions															
	D	E	F	G	GD	M	N	P	S	T	n	AC	AD	HF	LA	L
80	19	40	6	15.5	6	165	130	200	12	3.5	4	165	160	230	12	290
90S	24	50	8	20	7							180	175	235		320
90L																345
100L	28	60		24		215	180	250	15	4		205	185	275	14	385
112M												230	195	285		405
132S	38	80	10	33	8	265	230	300				270	245	340	18	480
132M																520
160M	42	110	12	37		300	250	350	19	5		325	270	400		605
160L																650
180M	48		14	42.5	9							360	290	420		670
180L																705
200L	55		16	49	10	350	300	400				400	355	470		780
225S	55/60	110/140	16/18	49/53	10/11	400	350	450			8	450	370	530	20	825
225M																820/850

Note : The numerators of fractions in the table give the data of 2-pole motors and the denominators of fractions the data of motors more than 2-pole

B35

Frame size	Mounting and overall dimensions															
	A	B	C	D	E	F	G	GD	H	K	M	N	P	S	T	n

80	125	100	50	19	40	6	15.5	6	80	10	165	130	200	12	3.5	4	165	165	160	12	205	290										
90S	140		56	24	50	8	20	7	90								180	180	175	14	225	320										
90L	125																															
100L		160	140	63	28	60	10	24	8	100	12	215	180	250	15	4	205	205	185	16	250	385										
112M	190	70		89	38	80				33							8	132	265	230	300	245	230	195	18	270	405					
132S	216	178																														280
132M	254	210	108	42	110	12	37	9	160	15	300	250	350	19	5	8	330	325	270	22	385	605										
160L																	254															
180M																	279	241	121	48	14	42.5	9	180	19	350	300	400	400	450	435	450
180L	279																															
200L	318	305	133	55	16	49	10	200	24	500	450	550	495	495	455	32	570	935														
225S	356	286	149	55/e O	110/ 140	16/1 8	49/5 3	10/1 1	225	24	500	450	550	19	5	8	435	450	370	30	530	825										
225M	311																															
250M	406	349	168	60/6 5	140	18	53/5 8	11	250								24	500	450	550	19	5	8	495	495	455	32	570	935			
280S	457	368	190	65/7 5						18/2 0	58/6 7. 5	11/1 2	280	550	550	470								38	640	102 0						
280M	419																							107 0								

Note : The numerators of fractions in the table give the data of 2-pole motors and the denominators of fractions the data motors more than 2-pole.

V1



Frans size	Mounting and overall dimensions																						
	D	E	F	G	GD	M	N	P	S	T	n	AC	AD	HF	LA	L							
80	19	40	6	15.5	6	165	130	200	12	3.5	4	165	165	260	12	335							
90S	24	50	8	20	7							180	180	270		365							
90L																400							
100L	28	60	10	24	7	215	180	250	15	4	8	205	195	300	14	430							
112M														230		205	320	450					
132S	38	80		33		8	265	230	300	19		5	8	270	265	380	18	535					
132M																575							
160M	42	110	12	37	300		250	350	400		355			550	450	270		450	20	660			
160L																	705						
180M	48		14	42.5		9	350	300		400		490	765			840	610	290		490	22	730	
180L																			765				
200L	55	16		49	10	350		300	400	400	355			550	450			370	610	22		840	
225S	55/60		110/140				16/18					49/53	10/11			400	350				450	450	370
225M																							
250M	60/65	140	18	53/58	11	500	450	550				495	455	640	22	995							
280S	65/75		18/20	58/67.5	11/12							550	470	720		1090							
280M																							

Note : The numerators of fractions in the table give the data of 2-pole motors and the denminators of fractions the data motors more than 2-poleo