

## Y2 SERIES THREE PHASE INDUCTION MOTOR

Product Categories: Y2 SERIES MOTOR

Product Description:

Frame NO.: 63~355

Power: 0.12~315kW

Operation service: S1

Rated Voltage:  $\pm 5\%$

Insulation class: B.F

Protection class: IP55

EFF: EF3 EF2 EF1

Ambient temperature: -15C~40C

Products Introduction:

Y2 three-phase asynchronous motor is a kind of TEFC squirrel cage motor with the national unified design. It has high efficiency, energysaving high starting torque, low noise, low vibration and easy maintenance. The grade of power and the mounting measurement are subject to the IEC60034-1 standard. ~Y2 series motors are widely used as drive mechanism in various kinds of machineries like machining tools, pumps, fans, compressors, gear boxes etc. and can also be used in transportation, agricultural machinery, printing industry and food industry.

Technical Data-Y SEREES MOTOR

型号 Type	功率 Power		电流 Current	转速 Speed	效率 Eff	功率因素 Power Factor	堵转电流/额定电 流 Starting current/Rated current	堵转转矩/额定转 矩 Starting torque/Rated torque	最大扭矩/额定扭矩 Max torque/Rated tprqe
	Hp	kW	(A)	(r/min)	(%)	(cos $\phi$ )			
380V - 50HZ - 2P									
Y2-631-2	1/4	0.18	0.5	2800	65	0.8	5.5	2.2	2.2
Y2-632-2	1/3	0.25	0.7	2800	68	0.81	5.5	2.2	2.2
Y2-711-2	1/2	0.37	1	2800	70	0.81	6.1	2.2	2.2
Y2-712-2	3/	0.55	1.4	2800	73	0.82	6.1	2.2	2.3
Y2-801-2	1	0.75	1.8	2825	75	0.83	6.1	2.2	2.3
Y2-802-2	1.5	1.1	2.6	2825	77	0.84	7	2.2	2.3
Y2-90S-2	2	1.5	3.4	2840	79	0.84	7	2.2	2.3
Y2-90L-2	3	2.2	4.9	2840	81	0.85	7	2.2	2.3
Y2-100L-2	4	3	6.3	2880	83	0.87	7.5	2.2	2.3
Y2-112M-2	5.5	4	8.1	2890	85	0.88	7.5	2.2	2.3
Y2-132S1-2	7.5	5.5	11	2900	86	0.88	7.5	2.2	2.3
Y2-132S2-2	10	7.5	14.9	2900	87	0.88	7.5	2.2	2.3
Y2-160M1-2	15	11	21.3	2930	88	0.89	7.5	2.2	2.3
Y2-160M2-2	20	15	28.8	2930	89	0.89	7.5	2.2	2.3
Y2-160L-2	25	18.5	34.7	2930	90.5	0.9	7.5	2.2	2.3

Y2-180M-2	30	22	41	2940	91.2	0.9	7.5	2	2.3
Y2-200L1-2	40	30	55.5	2950	92	0.9	7.5	2	2.3
Y2-200L2-2	50	37	67.9	2950	92.3	0.9	7.5	2	2.3
Y2-225M-2	60	45	82.3	2970	92.3	0.9	7.5	2	2.3
Y2-250M-2	73	55	100.4	2970	92.5	0.9	7.5	2	2.3
Y2-280S-2	100	75	134.4	2970	93.2	0.91	7.5	2	2.3
Y2-280M-2	120	90	160.2	2970	93.8	0.91	7.5	2	2.3
Y2-315S-2	147	110	195.4	2980	94	0.91	7.1	1.8	2.2
Y2-315M-2	176	132	233.2	2980	94.5	0.91	7.1	1.8	2.2
Y2-315L1-2	213	160	279.3	2980	94.6	0.92	7.1	1.8	2.2
Y2-315L2-2	267	200	348.4	2980	94.8	0.92	7.1	1.8	2.2
Y2-355M-2	333	250	433.2	2985	95.3	0.92	7.1	1.6	2.2
Y2-355L-2	420	315	544.2	2985	95.6	0.92	7.1	1.6	2.2
380V - 50HZ - 4P									
Y2-631-4	0.16	0.12	0.4	1400	57	0.72	4.4	2.1	2.2
Y2-632-4	1/4	0.18	0.6	1400	60	0.73	4.4	2.1	2.2
Y2-711-4	1/3	0.25	0.8	1400	65	0.74	5.2	2.1	2.2
Y2-712-4	1/2	0.37	1.1	1400	67	0.75	5.2	2.1	2.2
Y2-801-4	3/	0.55	1.6	1390	71	0.75	5.2	2.4	2.3
Y2-802-4	1	0.75	2	1490	73	0.77	6	2.4	2.3
Y2-90S-4	1.5	1.1	2	1400	75	0.77	6	2.3	2.3
Y2-90L-4	2	1.5	3.7	1420	78	0.79	6	2.3	2.3
Y2-100L1-4	3	2.2	5.2	1420	80	0.81	7	2.3	2.3
Y2-100L2-4	4	3	6.8	1420	82	0.82	7	2.3	2.3
Y2-112M-4	5.5	4	8.8	1440	84	0.82	7	2.3	2.3
Y2-132S-4	7.5	5.5	11.8	1440	85	0.83	7	2.3	2.3
Y2-132M-S	10	7.5	15.6	1440	87	0.84	7	2.2	2.3
Y2-160M-4	15	11	22.3	1460	88	0.85	7	2.2	2.3
Y2-160L-4	20	15	30.1	1460	89	0.85	7.5	2.2	2.3
Y2-180M-4	25	18.5	36.5	1470	90.5	0.85	7.5	2.2	2.3
Y2-1180L-4	30	22	43.2	1470	91	0.85	7.5	2.2	2.3
Y2-200L-4	40	30	57.6	1480	92	0.86	7.2	2.2	2.3
Y2-225S-4	50	37	69.9	1480	92.5	0.87	7.2	2.2	2.3
Y2-225M-4	60	45	84.7	1480	92.8	0.87	7.2	2.2	2.3
Y2-250M-4	73	55	103.3	1480	93	0.87	7.2	2.2	2.3

Y2-280S-4	100	75	139.6	1480	93.8	0.87	7.2	2.2	2.3
Y2-280M-4	120	90	166.9	1485	94.2	0.87	7.2	2.2	2.3
Y2-315S-4	147	110	201	1485	94.5	0.88	6.9	2.1	2.2
Y2-315M-4	176	132	240.4	1485	94.8	0.88	6.9	2.1	2.2
Y2-315L1-4	213	160	287.8	1485	94.9	0.89	6.9	2.1	2.2
Y2-315L2-4	267	200	359.4	1485	95	0.89	6.9	2.1	2.2
Y2-355M-4	333	250	442.9	1490	95.3	0.9	6.9	2.1	2.2
Y2-355L-4	420	315	556.2	1490	95.6	0.9	6.9	2.1	2.2
380V - 50HZ - 6P									
Y2-711-6	1/4	0.18	0.8	900	56	0.6	4	1.9	2
Y2-711-6	1/3	0.25	0.9	900	59	0.68	4	1.9	2
Y2-801-6	1/2	0.37	1.3	900	62	0.7	4.7	1.9	2
Y2-802-6	3/	0.55	1.8	900	65	0.72	4.7	1.9	2.1
Y2-90S-6	1	0.75	2.3	910	69	0.72	5.5	2	2.1
Y2-90L-6	1.5	1.1	3.2	910	72	0.73	5.5	2	2.1
Y2-100L-6	2	1.5	3.9	940	76	0.76	5.5	2	2.1
Y2-112M-6	3	2.2	5.6	940	79	0.76	6.5	2.1	2.1
Y2-132S-6	4	3	7.4	960	81	0.76	6.5	2.1	2.1
Y2-132M1-6	5.5	4	9.9	960	82	0.76	6.5	2.1	2.1
Y2-132M-6	7.5	5.5	12.9	960	84	0.77	6.5	2.1	2.1
Y2-160M-6	10	7.5	16.9	970	86	0.78	6.5	2	2.1
Y2-160L-6	15	11	24.2	970	87.5	0.79	6.5	2	2.1
Y2-180L-6	20	15	31.6	970	89	0.81	7	2.1	2.1
Y2-200L1-6	25	18.5	38.6	970	90	0.81	7	2.1	2.1
Y2-200L2-6	30	22	44.7	970	90	0.83	7	2.1	2.1
Y2-225M-6	40	30	59.3	980	91.5	0.84	7	2	2.1
Y2-250M-6	50	37	71.1	980	92	0.86	7	2.1	2.1
Y2-280S-6	60	45	85.9	980	92.5	0.86	7	2.1	2
Y2-280M-6	73	55	104.7	980	92.8	0.86	7	2.1	2
Y2-315S-6	100	75	141.7	980	93.5	0.86	7	2	2
Y2-315M-6	120	90	169.5	985	93.8	0.86	7	2	2
Y2-315L1-6	147	110	206.7	985	94	0.86	6.7	2	2
Y2-315L2-6	176	132	244.7	985	94.2	0.87	6.7	2	2
Y2-355M1-6	213	160	292.3	990	94.5	0.88	6.7	1.9	2
Y2-355M2-6	267	200	364.6	990	94.7	0.88	6.7	1.9	2

Y2-355L-6	333	250	454.8,	990	94.9	0.88	6.7	1.9	2
380V - 50HZ - 8P									
Y2-802-8	1/3	0.25	1.14	700	54	0.61	3.3	1.8	1.9
Y2-90S-8	1/2	0.37	1.47	700	62	0.61	4	1.8	1.9
Y2-90L-8	3/	0.55	2.1	700	63	0.61	4	1.8	2
Y2-100L1-8	1	0.75	2.34	710	71	0.67	4	1.8	2
Y2-100L2-8	1.5	1.1	3.22	710	73	0.69	5	1.8	2
Y2-112M-8	2	1.5	4.41	700	75	0.69	5	1.8	2
Y2-132S-8	3	2.2	6	710	78	0.71	6	1.8	2
Y2-132M-8	4	3	7.6	710	79	0.73	6	1.8	2
Y2-160M1-8	5.5	4	10	720	81	0.73	6	1.9	2
Y2-160M2-8	7.5	5.5	13.3	720	83	0.74	6	2	2
Y2-160L-8	10	7.5	17.8	720	85.5	0.75	6	2	2
Y2-180L-8	15	11	24.9	730	87.5	0.76	6.6	2	2
Y2-200L-8	20	15	33.3	730	88	0.76	6.6	2	2
Y2-225S-8	25	18.5	40.1	730	90	0.76	6.6	1.9	2
Y2-225M-8	30	22	46.8	740	90.5	0.78	6.6	1.9	2
Y2-250M-8	40	30	63	740	91	0.79	6.6	1.9	2
Y2-280S-8	50	37	77.77	740	91.5	0.79	6.6	1.9	2
Y2-280M-8	60	45	94.07	740	92	0.79	6.6	1.9	2
Y2-315S-8	73	55	111.2	740	92.8	0.81	6.6	1.8	2
Y2-315M-8	100	75	151.3	740	93	0.81	6.6	1.8	2
Y2-315L1-8	120	90	177.8	740	93.8	0.82	6.6	1.8	2
Y2-315L2-8	147	110	216.8	740	94	0.82	6.6	1.8	2

Y Y2 YS YD THREE PHASE MOTOR DIMENSIONS(mm)

机座号 Frame No.	安装尺寸 Mounting dimension(mm)									凸缘号 Flange No.	B35 B5						外型尺寸 Overall dimensions≤					
	A	B	C	D	E	F	G	H	K		M	N	P	R*	S	T	AB	AC	AD	HD	L	DH
63	100	80	40	11	23	4	8.5	63	7	FF115	115	95	140	0	10	3	135	130	70	180	230	M4×12
71	112	90	45	14	30	5	11	71	7	FF130	130	110	160	0	10	3.5	150	145	80	195	255	M5×12
80	125	100	50	19	40	6	15.5	80	10	FF165	165	130	200	0	12	3.5	165	175	145	220	295	M6×16
90S	140	100	56	24	50	8	20	90	10	FF165	165	130	200	0	12	3.5	180	195	155	250	320	M8×19
90L	140	125	56	24	50	8	20	90	10	FF165	165	130	200	0	12	3.5	180	195	155	250	345	M8×19
100L	160	140	63	28	60	8	24	100	12	FF215	215	180	250	0	15	4	205	215	180	270	385	M10×22

112M	190	140	70	28	60	8	24	112	12	FF215	215	180	250	0	15	4	230	240	190	300	400	M10×22
132S	216	140	89	38	80	10	33	132	12	FF265	265	230	300	0	15	4	270	275	210	345	470	M12×28
132M	216	178	89	38	80	10	33	132	12	FF265	265	230	300	0	15	4	270	275	210	345	510	M12×28
160M	254	210	108	42	110	12	37	160	15	FF300	300	250	350	0	19	5	320	330	255	420	615	M16×36
160L	254	254	108	42	110	12	37	160	15	FF300	300	250	350	0	19	5	320	330	255	420	670	M16×36
180M	279	241	121	48	110	14	42.5	180	15	FF300	300	250	350	0	19	5	355	380	280	455	700	M16×36
180L	279	279	121	48	110	14	42.5	180	15	FF300	300	250	350	0	19	5	355	380	280	455	740	M16×36
200L	318	305	133	55	110	16	49	200	15	FF350	350	300	400	0	19	5	395	420	305	505	770	M20×42

机座号 Frame No.	安装尺寸 Mounting dimension(mm)									凸缘号 Flange No.	B34 B14						外型尺寸 Overall dimensions≤					
	A	B	C	D	E	F	G	H	K		M	N	P	R*	s	T	AB	AC	AD	HD	L	DH
63	100	80	40	11	23	4	8.5	63	7	FT75	75	60	90	0	M5	2.5	135	130	70	180	230	M4×12
71	112	90	45	14	30	5	11	71	7	FT85	85	70	105	0	M6	2.5	150	145	80	195	255	M5×12
80	125	100	50	19	40	6	15.5	80	10	FT100	100	80	120	0		3	165	175	145	220	295	M6×16
90S	140	100	56	24	50	8	20	90	10	FT115	115	95	140	0	M8	3	180	195	155	250	320	M8×19
90L	140	125	56	24	50	8	20	90	10	FT115	115	95	140	0		3	180	195	155	250	345	M8×19
100L	160	140	63	28	60	8	24	100	12	FT130	130	110	160	0		3.5	205	215	180	270	385	M10×22
112M	190	140	70	28	60	8	24	112	12	FT130	130	110	160	0		3.5	230	240	190	300	400	M10×22