



Y2 SERIES

Three phase cast iron motor

APPLICATIONS

Adopting the national uniform design, Y2 Three phase induction motor, are conformity with IEC34-1 and JB/T8680.1-1998 standards, also up to international advanced level 90'S as substitute of Y series induction motors, It possess sophisticated features such as ner strycture, good appearance, slight vibration, low noise, etc.

OPERATING LIMITS

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

Rated voltage: 380V or any voltage between 220-760V

Rated frequency: 50Hz, 60Hz

Protection class: IP44、IP54、IP55

Insulation class: B、F、H

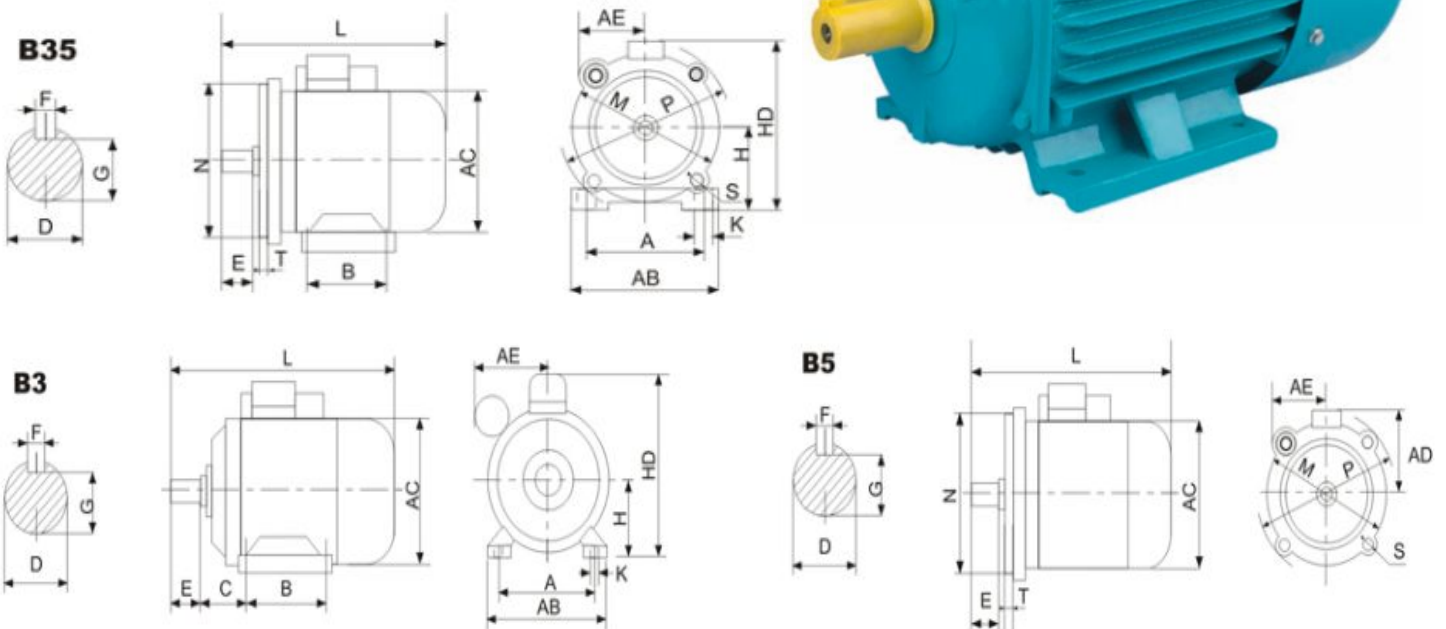
Altitude: not exceed 1000m

Cooling method: ICO141

Duty/Rating: S1 (continuous)

Connection: Star-connection for up to 3kw,

Delta-connection for 4kw and above.



INSTALLATION SIZE AND OVERALL DIMENSION

Frame No.	Poles	Installation Size										Overall Dimension				
		A	A/2	B	C	D	C	F	G	H	K	AB	AC	AD	HD	L
Y2-63	2、4	100	50	80	40	11	23	4	8.5	63	7	135	135	70	180	230
Y2-71	2、4、6	112	56	90	45	14	30	5	11	71	7	150	145	80	195	255

Y2-80	2, 4, 6	125	62.5	100	50	19	40	6	15.5	80	10	165	175	145	214	295
Y2-90S	2, 4, 6	140	70	100	45	24	50	8	20	90	10	180	195	155	250	320
Y2-90L	2, 4, 6	140	70	125	45	24	50	8	20	90	10	180	195	155	250	345
Y2-100L	2, 4, 6	160	80	140	63	28	60	8	24	100	12	205	215	180	270	385
Y2-112L	2, 4, 6	190	95	140	70	28	60	8	24	112	12	230	240	190	300	400
Y2-132S	2, 4, 6	216	108	140	89	39	80	10	33	132	12	370	275	210	345	470
Y2-132M	2, 4, 6	216	108	178	89	39	80	10	33	132	12	370	275	210	345	510
Y2-160M	2, 4, 6	254	127	210	108	42	110	12	37	160	15	320	330	255	420	615
Y2-160L	2, 4, 6	254	127	254	108	42	110	12	37	160	15	320	330	255	420	670
Y2-180M	2, 4, 6	279	139.5	241	121	48	110	14	42.5	180	15	355	380	280	455	700
Y2-180L	2, 4, 6	279	139.5	279	121	48	110	14	42.5	180	15	355	380	280	455	740
Y2-200L	2, 4, 6	318	159	305	133	55	110	16	49	200	19	395	420	305	545	770
Y2-225S	4, 8	356	178	286	149	60	140	18	53	225	19	435	480	335	555	815
Y2-225M	2	356	178	311	149	55	110	16	59	225	19	435	470	335	555	820
	4, 6, 8	356	178	311	149	60	110	18	53	225	19	435	470	335	555	845
Y2-250M	2	406	203	349	168	60	140	18	53	250	24	490	510	370	615	910
	4, 6, 8	406	203	349	168	65	140	18	58	250	24	490	510	370	615	910
Y2-280S	2	457	228.5	368	190	65	140	18	58	280	24	550	580	410	680	985
	4, 6, 8	457	228.5	368	190	75	140	20	67.5	280	24	550	580	410	680	985
Y2-280M	2	457	228.5	419	190	65	140	18	58	280	24	550	580	410	680	1035
	4, 6, 8	457	228.5	419	190	75	140	20	67.5	280	24	550	580	410	680	1035
Y2-315S	2	508	354	406	216	65	140	18	58	315	28	635	645	530	845	1160
	4, 6, 8, 10	508	354	406	216	80	170	22	71	315	28	635	645	530	845	1270
Y2-315M	2	508	354	457	216	65	140	18	58	315	28	635	645	530	845	1190
	4, 6, 8, 10	508	354	457	216	80	170	22	71	315	28	635	645	530	845	1300
Y2-315L	2	508	354	508	216	65	140	18	58	315	28	635	645	530	845	1190
	4, 6, 8, 10	508	354	508	216	80	170	22	71	315	28	635	645	530	845	1300
Y2-355M	2	610	305	560	254	75	140	20	67.5	355	28	730	710	655	1010	1500
	4, 6, 8, 10	610	305	560	254	95	170	25	86	355	28	730	710	655	1010	1530
Y2-355L	2	610	305	630	254	75	140	20	67.4	355	28	730	710	655	1010	1500
	4, 6, 8, 10	610	305	630	254	95	170	25	86	355	28	730	710	655	1010	1530

PERFORMANCE CHART

Model	Output HP	Output KW	Current (A)	Speed (r/min)	Eff (%)	Power Factor	Eff (%)	Power Factor	Eff (%)	Power Factor	Tstart/Tn	Ist/In	Tmax/Tn
380V 50Hz Synchronous Speed 3000r/min (2 Poles)													
Y2-631-2	0.25	0.18	0.53	2720	65.0	0.80	63.1	0.75	60.0	0.69	2.2	6.5	2.3
Y2-632-2	0.34	0.25	0.69	2720	68.0	0.81	65.1	0.76	62.0	0.70	2.2	7.0	2.3
Y2-711-2	0.5	0.37	0.99	2740	70.0	0.81	69.0	0.76	66.0	0.71	2.2	7.0	2.3
Y2-712-2	0.75	0.55	1.4	2740	73.0	0.82	71.2	0.70	70.0	0.72	2.2	7.0	2.3
Y2-801-2	1	0.75	1.83	2830	75.0	0.83	73.0	0.77	71.0	0.74	2.2	7.0	2.3
Y2-802-2	1.5	1.1	2.58	2830	77.0	0.84	75.1	0.78	73.0	0.73	2.2	7.0	2.3
Y2-90S-2	2	1.5	3.43	2840	79.0	0.84	77.0	0.78	74.9	0.76	2.0	7.0	2.3
Y2-90L-2	3	2.2	4.85	2840	81.0	0.85	80.0	0.79	79.9	0.76	2.0	7.0	2.3
Y2-100L-2	4	3	6.31	2870	83.0	0.87	82.0	0.80	81.1	0.77	2.0	7.0	2.3
Y2-112M-2	5.5	4	8.1	2890	85.0	0.88	83.9	0.83	82.0	0.80	2.0	7.0	2.2
Y2-132S1-2	7.5	5.5	11	2900	86.0	0.88	84.2	0.83	83.8	0.80	2.0	7.0	2.2

Y2-132S2-2	10	7.5	14.9	2900	87.0	0.88	85.8	0.84	84.9	0.78	2.0	7.0	2.2
Y2-132M1-2	15	11	21.3	2930	88.0	0.89	86.6	0.84	85.1	0.79	2.0	7.0	2.2
Y2-132M2-2	20	15	28.8	2930	89.0	0.89	87.9	0.84	86.4	0.80	2.0	7.0	2.2
Y2-160L-2	25	18.5	34.7	2930	90.0	0.90	89.8	0.86	86.8	0.80	2.0	7.0	2.2
Y2-180M-2	30	22	41	2940	90.0	0.90	88.9	0.86	86.8	0.82	2.0	7.0	2.2
Y2-200L1-2	40	30	55.5	2950	91.2	0.90	89.4	0.85	88.5	0.81	2.0	7.0	2.2
Y2-200L2-2	50	37	67.9	2950	92.0	0.90	91.0	0.86	90.4	0.82	2.0	7.0	2.2
Y2-225M-2	60	45	82.3	2970	92.3	0.90	90.5	0.85	89.7	0.82	1.8	6.8	2.2
Y2-250M-2	75	55	101	2970	92.5	0.90	91.3	0.85	91.0	0.82	1.8	6.8	2.2
Y2-280S-2	100	75	134	2970	93.0	0.90	91.9	0.86	91.5	0.81	1.8	6.8	2.2
Y2-280M-2	125	90	160	2970	93.8	0.91	92.6	0.87	92.2	0.83	1.8	6.8	2.2
Y2-315S-2	150	110	195	2980	94.0	0.91	93.1	0.87	93.0	0.83	1.6	7.0	2.2
Y2-315M-2	180	132	233	2980	94.5	0.91	93.2	0.87	93.1	0.84	1.6	7.1	2.2
Y2-315L1-2	220	160	279	2980	94.6	0.92	93.1	0.88	93.3	0.85	1.6	7.2	2.2
Y2-315L2-2	270	200	348	2980	94.8	0.92	94.0	0.88	93.8	0.85	1.6	7.3	2.2
Y2-355M-2	340	250	433	2980	95.3	0.92	94.8	0.88	94.0	0.85	1.6	7.4	2.2
Y2-355L-2	430	315	544	2980	95.6	0.92	95.0	0.88	94.0	0.85	1.6	7.5	2.2

380V 50Hz Synchronous Speed 1500r/min (4 Poles)

Y2-631-4	0.16	0.12	0.42	1310	57.0	0.72	56.1	0.69	51.9	0.55	2.1	5.2	2.2
Y2-632-4	0.25	0.18	0.62	1310	60.0	0.73	58.5	0.70	56.7	0.59	2.1	5.2	2.2
Y2-711-4	0.34	0.25	0.79	1330	65.0	0.74	62.4	0.73	59.3	0.59	2.1	5.2	2.2
Y2-712-4	0.5	0.37	1.12	1330	67.0	0.75	65.3	0.74	60.1	0.63	2.1	5.2	2.2
Y2-801-4	0.75	0.55	1.57	1390	71.0	0.75	69.2	0.74	68.6	0.64	2.4	5.2	2.3
Y2-802-4	1	0.75	2.03	1390	73.0	0.76	71.7	0.75	70.0	0.67	2.3	6.0	2.3
Y2-90S-4	1.5	1.1	2.89	1400	75.0	0.77	73.1	0.75	72.0	0.67	2.3	6.0	2.3
Y2-90L-4	2	1.5	3.7	1400	78.0	0.79	76.1	0.76	74.1	0.69	2.3	6.0	2.3
Y2-100L1-4	3	2.2	5.16	1430	80.0	0.81	78.0	0.79	75.5	0.69	2.3	7.0	2.3
Y2-100L2-4	4	3	6.78	1430	82.0	0.82	79.9	0.78	78.5	0.70	2.3	7.0	2.3
Y2-112M-4	5.5	4	8.8	1440	84.0	0.82	82.9	0.79	81.1	0.70	2.3	7.0	2.3
Y2-132S-4	7.5	5.5	11.7	1440	85.0	0.83	83.8	0.81	82.2	0.73	2.3	7.0	2.3
Y2-132M-4	10	7.5	15.6	1440	87.0	0.84	85.6	0.82	83.6	0.74	2.3	7.0	2.3
Y2-160M-4	15	11	22.3	1460	88.0	0.84	86.8	0.83	85.9	0.75	2.2	7.5	2.3
Y2-160L-4	20	15	30.1	1460	89.0	0.85	88.9	0.83	88.5	0.75	2.2	7.5	2.3
Y2-180M-4	25	18.5	36.5	1470	90.5	0.86	90.0	0.82	89.5	0.77	2.2	7.5	2.3
Y2-180L-4	30	22	43.2	1470	91.0	0.86	90.2	0.84	89.9	0.76	2.2	7.2	2.3
Y2-200L-4	40	30	57.6	1470	92.0	0.86	91.5	0.84	90.8	0.77	2.2	7.2	2.3
Y2-225S-4	50	37	69.9	1480	92.5	0.87	91.9	0.87	90.3	0.80	2.2	7.2	2.3
Y2-225M-4	60	45	84.7	1480	92.8	0.87	92.4	0.87	90.9	0.80	2.2	7.2	2.3
Y2-250M-4	75	55	103	1480	93.0	0.87	92.7	0.89	91.2	0.81	2.2	7.2	2.3
Y2-280S-4	100	75	140	1480	93.8	0.87	92.4	0.86	91.6	0.80	2.2	7.2	2.3
Y2-280M-4	125	90	167	1490	94.2	0.87	93.0	0.86	92.8	0.78	2.2	7.2	2.3
Y2-315S-4	150	110	201	1490	94.5	0.88	93.3	0.87	92.8	0.81	2.1	6.9	2.2
Y2-315M-4	180	132	240	1490	94.8	0.88	93.8	0.87	93.0	0.81	2.1	6.9	2.2
Y2-315L1-4	220	160	287	1490	94.9	0.89	93.9	0.88	93.1	0.81	2.1	6.9	2.2
Y2-315L2-4	270	200	359	1490	95.0	0.89	94.1	0.88	93.8	0.82	2.1	6.9	2.2
Y2-355M-4	340	250	443	1485	95.3	0.90	94.3	0.88	94.0	0.83	2.1	6.9	2.2
Y2-355L-4	430	315	556	1485	95.6	0.90	94.5	0.89	94.0	0.84	2.1	6.9	2.2

PERFORMANCE CHART

Model	Output HP KW		Current (A)	Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn	Ist/In	Tmax/Tn
380V 50Hz Synchronous Speed 1000r/min (6 Poles)									
Y2-711-6	0.25	0.18	0.74	850	56.0	0.66	1.9	4.0	2.0
Y2-712-6	0.34	0.25	0.95	850	59.0	0.68	1.9	4.0	2.0
Y2-801-6	0.5	0.37	1.3	890	62.0	0.70	1.9	4.7	2.0
Y2-802-6	0.75	0.55	1.79	890	65.0	0.72	1.9	4.7	2.1
Y2-90S-6	1	0.75	2.29	910	69.0	0.72	2.0	5.5	2.1
Y2-90L-6	1.5	1.1	3.18	910	72.0	0.73	2.0	5.5	2.1
Y2-100L-6	2	1.5	3.94	940	76.0	0.75	2.0	5.5	2.1
Y2-112M-6	3	2.2	5.6	940	79.0	0.76	2.0	6.5	2.1
Y2-132S-6	4	3	7.4	960	81.0	0.76	2.1	6.5	2.1
Y2-132M1-6	5.5	4	9.8	960	82.0	0.76	2.1	6.5	2.1
Y2-132M2-6	7.5	5.5	12.9	960	84.0	0.77	2.1	6.5	2.1
Y2-160M-6	10	7.5	17	970	86.0	0.77	2.0	6.5	2.1
Y2-160L-6	15	11	24.2	970	87.5	0.78	2.0	6.5	2.1
Y2-180L-6	20	15	31.6	970	89.0	0.81	2.0	7.0	2.1
Y2-200L1-6	25	18.5	38.6	970	90.0	0.81	2.1	7.0	2.1
Y2-200L2-6	30	22	44.7	970	90.0	0.83	2.1	7.0	2.1
Y2-225M-6	40	30	59.3	980	91.5	0.84	2.0	7.0	2.1
Y2-250M-6	50	37	71	980	92.0	0.86	2.1	7.0	2.1
Y2-280S-6	60	45	86	980	92.5	0.86	2.1	7.0	2.0
Y2-280M-6	75	55	105	980	92.8	0.86	2.1	7.0	2.0
Y2-315S-6	100	75	141	990	93.5	0.86	2.0	7.0	2.0
Y2-315M-6	125	90	168	990	93.8	0.86	2.0	7.0	2.0
Y2-315L1-6	150	110	206	990	94.0	0.86	2.0	6.7	2.0
Y2-315L2-6	180	132	244	990	94.2	0.87	2.0	6.7	2.0
Y2-355M1-6	220	160	282	990	94.5	0.88	1.9	6.7	2.0
Y2-355M2-6	270	200	365	990	94.7	0.88	1.9	6.7	2.0
Y2-355L-6	340	250	455	990	94.9	0.88	1.9	6.7	2.0
380V 50Hz Synchronous Speed 750r/min (8 Poles)									
Y2-160M1-8	5.5	4	10.3	720	81.0	0.73	2.0	6.0	2.0
Y2-160M2-8	7.5	5.5	13.6	720	83.0	0.74	2.1	6.0	2.0
Y2-160L-8	10	7.5	17.8	720	85.5	0.75	2.1	6.0	2.0
Y2-180L-8	15	11	25.1	730	87.5	0.76	2.1	6.6	2.0
Y2-200L-8	20	15	34.1	730	88.0	0.76	2.0	6.6	2.0
Y2-225S-8	25	18.5	40.6	730	90.0	0.76	2.0	6.6	2.0
Y2-225M-8	30	22	47.4	740	90.5	0.78	2.0	6.6	2.0
Y2-250M-8	40	30	64	740	91.0	0.79	2.0	6.6	2.0
Y2-280S-8	50	37	78	740	91.5	0.79	1.9	6.6	2.0
Y2-280M-8	60	45	94	740	92.0	0.79	1.9	6.6	2.0
Y2-315S-8	75	55	111	740	92.8	0.81	1.9	6.6	2.0
Y2-315M-8	100	75	151	740	93.0	0.81	1.9	6.6	2.0
Y2-315L1-8	125	90	178	740	93.8	0.82	1.9	6.6	2.0
Y2-315L2-8	150	110	217	740	94.0	0.82	2.9	6.4	2.0