

Y SERIES

THREE PHASE CAST IRON ASYNCHRONOUS MOTOR



Y series three phase induction motor is totally enclosed and fan cooling, it is newly designed according to national standard with a squirrel-cage construction and a general application.

Features: little noise, high starting torque, reliable operation and easy maintenance, etc.

Application: machine tools, pumps, fans, transport machinery, mixer, washing machine, packing machine, agriculture machinery and food machine, and etc.

RANGE OF PERFORMANCE

Frame Size: H80~H355
Rated Power Range: 0.75KW~315KW

OPERATING CONDITIONS

Ambient temperature:-15 ° C ≤ θ ≤ 40 ° C
Above sea level: not exceed 1000m
Rated Voltage: 380V, 220~760V is available
Rated Frequency: 50HZ or 60HZ
Insulation Class: Class F/H
Protection Class: IP54
Duty: S1

TECHNICAL DATA

TYPE	Output		Current(A)	Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn	Ist/in	Tmax/Tn
	KW	HP	380V						
Y-801-2	0.75	1	1.81	2830	75	0.84	2.2	6.1	2.3
Y-802-2	1.1	1.5	2.55	2830	76.2	0.86	2.2	7	2.3
Y-90S-2	1.5	2	3.42	2840	78.5	0.85	2.2	7	2.3
Y-90L-2	2.2	3	4.80	2840	81	0.86	2.2	7	2.3
Y-100L-2	3	4	6.34	2870	82.6	0.87	2.2	7.5	2.3
Y-112M-2	4	5.5	8.30	2790	84.2	0.87	2.0	7.5	2.3
Y-132S1-2	5.5	7.5	11.08	2900	85.7	0.88	2.0	7.5	2.3
Y-132S2-2	7.5	10	14.88	2930	87	0.88	2.0	7.5	2.3
Y-160M1-2	11	15	21.48	2930	88.4	0.88	2.0	7.5	2.3
Y-160M2-2	15	20	28.97	2940	89.4	0.88	2.0	7.5	2.3
Y-160L-2	18.5	25	35.09	2950	90	0.89	2.0	7.5	2.2
Y-180M-2	22	30	41.50	2950	90.5	0.89	2.0	7.5	2.2
Y-200L1-2	30	40	56.03	2970	91.4	0.89	2.0	7.5	2.2
Y-200L2-2	37	50	68.66	2970	92	0.89	2.0	7.5	2.2
Y-225M-2	45	60	83.05	2970	92.5	0.89	2.0	7.5	2.2
Y-250M-2	55	75	100.96	2970	93	0.89	2.0	7.5	2.2
Y-280S-2	75	100	136.79	2980	93.6	0.89	2.0	7.5	2.2
Y-280M-2	90	125	163.62	2980	93.9	0.89	2.0	7.5	2.2
Y-315S-2	110	150	199.77	2980	94	0.89	1.8	7.1	2.2
Y-315M-2	132	180	238.46	2980	94.5	0.89	1.8	7.1	2.2
Y-315L1-2	160	220	288.73	2980	94.6	0.89	1.8	7.1	2.2
Y-315L2-2	200	270	360.15	2980	94.8	0.89	1.8	7.1	2.2
Y-355M-2	250	340	443.32	2980	95.2	0.90	1.6	7.1	2.2
Y-355L-2	315	430	557.41	2980	95.4	0.90	1.6	7.1	2.2



TYPE	Output		Current(A)	Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn	Ist/in	Tmax/Tn
	KW	HP	380V						
380V 50HZ Synchronous Speed 1500r/min （4 poles）									
Y-801-4	0.55	0.75	1.55	1390	71.0	0.76	2.4	5.2	2.3
Y-802-4	0.75	1	2.05	1390	73	0.76	2.3	6	2.3
Y-90S-4	1.1	1.5	2.81	1400	76.2	0.78	2.3	6	2.3
Y-90L-4	1.5	2	3.67	1400	78.5	0.79	2.3	6	2.3
Y-100L1-4	2.2	3	5.03	1430	81	0.82	2.2	7	2.3
Y-100L2-4	3	4	6.81	1430	82.6	0.81	2.2	7	2.3
Y-112M-4	4	5.5	8.59	1440	84.2	0.84	2.2	7	2.3
Y-132S-4	5.5	7.5	11.47	1440	85.7	0.85	2.2	7	2.3
Y-132M-4	7.5	10	15.59	1440	87	0.84	2.2	7	2.3
Y-160M-4	11	15	22.24	1460	88.4	0.85	2.2	7	2.3
Y-160L-4	15	20	29.64	1460	89.4	0.86	2.2	7.5	2.3
Y-180M-4	18.5	25	36.32	1470	90	0.86	2	7.5	2.2
Y-180L-4	22	30	42.45	1470	90.5	0.87	2	7.5	2.2
Y-200L-4	30	40	57.32	1470	91.4	0.87	2	7.2	2.2
Y-225S-4	37	50	69.44	1480	92	0.88	1.9	7.2	2.2
Y-225M-4	45	60	83.99	1480	92.5	0.88	1.9	7.2	2.2
Y-250M-4	55	75	102.11	1480	93	0.88	2	7.2	2.2
Y-280S-4	75	100	138.34	1480	93.6	0.88	1.9	7.2	2.2
Y-280M-4	90	125	163.62	1480	93.9	0.89	1.9	7.2	2.2
Y-315S-4	110	150	198.08	1480	94.5	0.89	1.8	6.9	2.2
Y-315M-4	132	180	237.45	1490	94.8	0.89	1.8	6.9	2.2
Y-315L1-4	160	220	287.82	1490	94.9	0.89	1.8	6.9	2.2
Y-315L2-4	200	270	358.64	1490	94.9	0.89	1.8	6.9	2.2
Y-355M-4	250	340	458.61	1485	95.2	0.87	1.4	6.9	2.2
Y-355L-4	315	430	577.84	1485	95.2	0.87	1.4	6.9	2.2
380V 50HZ Synchronous Speed 1000r/min （6 poles）									
Y-90S-6	0.75	1	2.36	910	69	0.7	2	5.5	2.2
Y-90L-6	1.1	1.5	3.22	910	72	0.72	2	5.5	2.2
Y-100L-6	1.5	2	4.05	940	76	0.74	2	5.5	2.2
Y-112M-6	2.2	3	5.72	940	79	0.74	2	6.5	2.2
Y-132S-6	3	4	7.40	960	81	0.76	2	6.5	2.2
Y-132M1-6	4	5.5	9.63	960	82	0.77	2	6.5	2.2
Y-132M2-6	5.5	7.5	12.75	960	84	0.78	2	6.5	2.2
Y-160M-6	7.5	10	16.99	970	86	0.78	2	6.5	2
Y-160L-6	11	15	24.49	970	87.5	0.78	2	6.5	2
Y-180L-6	15	20	31.61	970	89	0.81	2	7	2
Y-200L1-6	18.5	25	37.63	970	90	0.83	2	7	2
Y-200L2-6	22	30	44.75	970	90	0.83	2	7	2
Y-225M-6	30	40	58.61	980	91.5	0.85	1.7	7	2
Y-250M-6	37	50	71.05	980	92	0.86	1.7	7	2
Y-280S-6	45	60	84.96	980	92.5	0.87	1.8	7	2
Y-280M-6	55	75	103.50	980	92.8	0.87	1.8	7	2
Y-315S-6	75	100	140.08	990	93.5	0.87	1.6	7	2
Y-315M-6	90	125	167.56	990	93.8	0.87	1.6	7	2
Y-315L1-6	110	150	204.36	990	94	0.87	1.6	6.7	2
Y-315L2-6	132	180	244.71	990	94.2	0.87	1.6	6.7	2
Y-355M1-6	160	220	299.12	990	94.5	0.86	1.3	6.7	2
Y-355M2-6	200	270	373.90	990	94.5	0.86	1.3	6.7	2
Y-355L-6	250	340	467.38	990	94.5	0.86	1.3	6.7	2
380V 50HZ Synchronous Speed 750r/min （8 poles）									
Y-132S-8	2.2	3	5.85	710	80.5	0.71	2	6	2
Y-132M-8	3	4	7.72	710	82	0.72	2	6	2
Y-160M1-8	4	5.5	9.91	720	84	0.73	2	6	2
Y-160M2-8	5.5	7.5	13.29	720	85	0.74	2	6	2
Y-160L-8	7.5	10	17.67	720	86	0.75	2	6	2
Y-180L-8	11	15	24.81	730	87.5	0.77	1.7	6.6	2
Y-200L-8	15	20	34.08	730	88	0.76	1.8	6.6	2
Y-225S-8	18.5	25	41.32	730	89.5	0.76	1.7	6.6	2
Y-225M-8	22	30	47.61	740	90	0.78	1.8	6.6	2
Y-250M-8	30	40	62.96	740	90.5	0.8	1.8	6.6	2
Y-280S-8	37	50	78.20	740	91	0.79	1.8	6.6	2
Y-280M-8	45	60	93.20	740	91.7	0.8	1.8	6.6	2
Y-315S-8	55	75	113.54	740	92	0.8	1.6	6.6	2
Y-315M-8	75	100	152.09	740	92.5	0.81	1.6	6.6	2
Y-315L1-8	90	125	179.31	740	93	0.82	1.6	6.6	2
Y-315L2-8	110	150	218.45	740	93.3	0.82	1.6	6.4	2
Y-355M1-8	132	180	263.96	740	93.8	0.81	1.3	6.4	2
Y-355M2-8	160	220	319.27	740	94	0.81	1.3	6.4	2
Y-355L-8	200	270	398.24	740	94.2	0.81	1.3	6.4	2
380V 50HZ Synchronous Speed 600r/min （10 poles）									
Y-315M-10	55	75	122.74	590	92	0.74	1.4	6.2	2
Y-315L2-10	75	100	164.25	590	92.5	0.75	1.4	6.2	2
Y-355M1-10	90	125	190.95	590	93	0.77	1.2	6.2	2
Y-355M2-10	110	150	229.90	590	93.2	0.78	1.2	6	2
Y-355L-10	132	180	274.99	590	93.5	0.78	1.2	6	2