

Y2 SERIES

THREE PHASE CAST IRON HOUSING MOTOR



Y2 Three phase induction motor, adopting the national unified design, has reached the international advanced level of 90'. It is newly designed in conformity with the relevant requirements of IEC standards. Features: High efficiency, energy saving, fine operation performance, small vibration, low noise, long service life, high reliability, convenient maintenance, big breakaway torque.

Applications: Machine tools, blowers, water pumps, compressors, transporters, agricultural and food processing etc.

RANGE OF PERFORMANCE

Frame Size: H63~H355

Rated Power Range: 0.18kW~ 315Kw

OPERATING CONDITIONS

Ambient temperature: $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$

Above sea level: not exceed 1000m

Rated Voltage: 380V, 220~760V is available

Rated Frequency: 50HZ or 60HZ

Insulation Class: Class B/F/H

Protection Class: IP54/55/56

Duty: S1

TECHNICAL DATA

TYPE	Output		Current(A)		Speed (r/min)	Eff (%)	Power Factor	Ist/in	Tstart/Tn	Tmax/Tn
	KW	HP	380V	400V						
Y2E1-631-2	0.18	0.25	0.53	0.50	2720	65	0.8	5.5	2.2	2.2
Y2E1-632-2	0.25	0.34	0.69	0.66	2720	68	0.81	6.5	2.2	2.2
Y2E1-711-2	0.37	0.5	0.99	0.94	2740	70	0.81	7	2.2	2.2
Y2E1-712-2	0.55	0.75	1.40	1.33	2740	73	0.82	7	2.2	2.3
Y2E1-801-2	0.75	1	1.83	1.74	2830	75	0.83	7.5	2.2	2.3
Y2E1-802-2	1.1	1.5	2.58	2.45	2830	77	0.84	7.9	2.2	2.3
Y2E1-90S-2	1.5	2	3.43	3.26	2840	79	0.84	7.5	2.2	2.3
Y2E1-90L-2	2.2	3	4.85	4.61	2840	81	0.85	7.5	2.2	2.3
Y2E1-100L-2	3	4	6.31	6.00	2870	83	0.87	7.5	2.2	2.3
Y2E1-112M-2	4	5.5	8.12	7.72	2880	85	0.88	7.5	2.2	2.3
Y2E1-132S1-2	5.5	7.5	11.04	10.49	2900	86	0.88	7.5	2.2	2.3
Y2E1-132S2-2	7.5	10	14.88	14.14	2900	87	0.88	7.5	2	2.3
Y2E1-160M1-2	11	15	21.34	20.27	2940	88	0.89	7.5	2	2.3
Y2E1-160M2-2	15	20	28.77	27.33	2940	89	0.89	7.5	2	2.3
Y2E1-160L-2	18.5	25	34.70	32.97	2940	90	0.9	7.5	2	2.3
Y2E1-180M-2	22	30	41.27	39.20	2940	90	0.9	7.5	2	2.2
Y2E1-200L1-2	30	40	55.53	52.75	2950	91.2	0.9	7.5	2	2.2
Y2E1-200L2-2	37	50	67.89	64.50	2950	92	0.9	7.5	2	2.2



TECHNICAL DATA

TYPE	Output		Current(A)		Speed (r/min)	Eff (%)	Power Factor	Ist/in	Tstart/Tn	Tmax/Tn
	KW	HP	380V	400V						
Y2E1-225M-2	45	60	82.13	78.02	2970	92.3	0.9	7.5	2	2.2
Y2E1-250M-2	55	75	99.84	94.85	2970	92.5	0.9	7.5	2	2.2
Y2E1-280S-2	75	100	134.98	128.23	2970	93	0.9	7.5	2	2.2
Y2E1-280M-2	90	125	161.63	153.55	2980	93.8	0.9	7.5	2	2.2
Y2E1-315S-2	110	150	194.35	184.63	2980	94	0.91	7.1	1.8	2.2
Y2E1-315M-2	132	180	232.97	221.32	2980	94.5	0.91	7.1	1.8	2.2
Y2E1-315L1-2	160	220	278.73	264.79	2980	94.6	0.92	7.1	1.8	2.2
Y2E1-315L2-2	200	270	346.58	329.25	2980	94.8	0.92	7.1	1.8	2.2
Y2E1-355M-2	250	340	431.87	410.27	2980	95.3	0.92	7.1	1.6	2.2
Y2E1-355L-2	315	420	544.15	516.94	2980	95.6	0.92	7.1	1.6	2.2
Y2E1-631-4	0.12	0.16	0.44	0.42	1310	57	0.72	5.2	2.4	2.2
Y2E1-632-4	0.18	0.25	0.62	0.59	1310	60	0.73	5.2	2.4	2.2
Y2E1-711-4	0.25	0.34	0.79	0.75	1330	65	0.74	5.2	2.4	2.2
Y2E1-712-4	0.37	0.5	1.13	1.08	1330	67	0.74	5.2	2.4	2.2
Y2E1-801-4	0.55	0.75	1.55	1.47	1440	71	0.76	5.7	2.4	2.3
Y2E1-802-4	0.75	1	2.03	1.93	1440	73	0.77	6	2.3	2.3
Y2E1-90S-4	1.1	1.5	2.89	2.75	1400	75	0.77	6	2.3	2.3
Y2E1-90L-4	1.5	2	3.70	3.51	1400	78	0.79	6	2.3	2.3
Y2E1-100L1-4	2.2	3	5.16	4.90	1430	80	0.81	7	2.3	2.3
Y2E1-100L2-4	3	4	6.78	6.44	1430	82	0.82	7	2.3	2.3
Y2E1-112M-4	4	5.5	8.82	8.38	1435	84	0.82	7	2.3	2.3
Y2E1-132S-4	5.5	7.5	11.84	11.25	1440	85	0.83	7	2.3	2.3
Y2E1-132M-4	7.5	10	15.59	14.81	1440	87	0.84	7	2.3	2.3
Y2E1-160M-4	11	15	22.61	21.48	1470	88	0.84	7	2.2	2.3
Y2E1-160L-4	15	20	30.13	28.62	1470	89	0.85	7	2.2	2.3
Y2-180M-4	18.5	25	36.11	34.31	1460	90.5	0.86	7	2.2	2.3
Y2-180L-4	22	30	42.71	40.58	1460	91	0.86	7.5	2.2	2.3
Y2-200L-4	30	40	57.61	54.73	1470	92	0.86	7.5	2.2	2.3
Y2-225S-4	37	50	69.85	66.36	1470	92.5	0.87	7.5	2.2	2.3
Y2-225M-4	45	60	84.68	80.45	1470	92.8	0.87	7.5	2.2	2.3
Y2-250M-4	55	75	103.28	98.12	1470	93	0.87	7.2	2.2	2.3
Y2-280S-4	75	100	139.64	132.65	1480	93.8	0.87	7.2	2.2	2.3
Y2-280M-4	90	125	166.85	158.51	1480	94.2	0.87	7.2	2.2	2.3
Y2-315S-4	110	150	200.97	190.92	1480	94.5	0.88	7.2	2.2	2.3
Y2-315M-4	132	180	240.40	228.38	1485	94.8	0.88	7.2	2.1	2.3
Y2-315L1-4	160	220	291.09	276.54	1485	94.9	0.88	6.9	2.1	2.3
Y2-315L2-4	200	270	359.40	341.43	1485	95	0.89	6.9	2.1	2.3
Y2-355M-4	250	340	442.85	420.71	1490	95.3	0.9	6.9	2.1	2.2
Y2-355L-4	315	420	556.24	528.43	1485	95.6	0.9	6.9	2.1	2.2
Y2E1-711-6	0.18	0.25	0.74	0.70	850	56	0.66	4	1.9	2
Y2E1-712-6	0.25	0.34	0.95	0.90	850	59	0.68	4	1.9	2
Y2E1-801-6	0.37	0.5	1.30	1.23	890	62	0.7	4.7	1.9	2
Y2E1-802-6	0.55	0.75	1.79	1.70	890	65	0.72	4.7	1.9	2
Y2E1-90S-6	0.75	1	2.18	2.07	910	72.7	0.72	5.5	2	2.1
Y2E1-90L-6	1.1	1.5	3.01	2.86	910	76	0.73	5.5	2	2.1
Y2E1-100L-6	1.5	2	3.85	3.65	940	79	0.75	5.5	2	2.1
Y2E1-112M-6	2.2	3	5.43	5.16	940	81	0.76	6.5	2	2.1
Y2E1-132S-6	3	4	7.31	6.95	960	82	0.76	6.5	2.1	2.1
Y2E1-132M1-6	4	5.5	9.52	9.04	960	84	0.76	6.5	2.1	2.1
Y2E1-132M2-6	5.5	7.5	12.62	11.99	960	86	0.77	6.5	2.1	2.1
Y2E1-160M-6	7.5	10	16.91	16.07	970	87.5	0.77	6.5	2	2.1
Y2E1-160L-6	11	15	23.18	22.02	970	89	0.81	6.5	2	2.1



TECHNICAL DATA

TYPE	Output		Current(A)		Speed (r/min)	Eff (%)	Power Factor	Ist/in	Tstart/Tn	Tmax/Tn
	KW	HP	380V	400V						
Y2E1-180L-6	15	20	31.26	29.70	980	90	0.81	6.5	2.1	2
Y2E1-200L1-6	18.5	25	37.63	35.75	980	90	0.83	6.5	2.1	2
Y2E1-200L2-6	22	30	43.25	41.09	980	92	0.84	7	2.1	2
Y2E1-225M-6	30	40	57.30	54.43	980	92.5	0.86	7	2.1	2
Y2E1-250M-6	37	50	70.44	66.92	980	92.8	0.86	7	2	2
Y2E1-280S-6	45	60	85.03	80.78	990	93.5	0.86	7	2	2
Y2E1-280M-6	55	75	103.59	98.41	990	93.8	0.86	7	2	2
Y2E1-315S-6	75	100	139.34	132.37	990	94	0.87	6.7	2	2
Y2E1-315M-6	90	125	168.79	160.35	990	94.2	0.86	6.7	2	2
Y2E1-315L1-6	110	150	200.97	190.92	990	94.5	0.88	6.7	2	2
Y2E1-315L2-6	132	180	240.66	228.62	990	94.7	0.88	6.7	1.9	2
Y2E1-355M1-6	160	220	292.01	277.41	990	94.6	0.88	6.7	1.9	2
Y2E1-355M2-6	200	270	363.86	345.67	990	94.9	0.88	6.7	1.9	2.1
Y2E1-801-8	0.18	0.25	0.88	0.84	630	51	0.61	4	1.8	1.9
Y2E1-802-8	0.25	0.34	1.15	1.10	640	54	0.61	4	1.8	1.9
Y2E1-90S-8	0.37	0.5	1.49	1.41	660	62	0.61	4	1.8	1.9
Y2E1-90L-8	0.55	0.75	1.98	1.88	660	63	0.67	4	1.8	2
Y2E1-100L1-8	0.75	1	2.33	2.21	690	71	0.69	4	1.8	2
Y2E1-100L2-8	1.1	1.5	3.32	3.15	690	73	0.69	4	1.8	2
Y2E1-112M-8	1.5	2	4.40	4.18	690	75	0.69	4	1.8	2
Y2E1-132S-8	2.2	3	6.04	5.73	710	78	0.71	5	1.8	2
Y2E1-132M-8	3	4	7.90	7.51	710	79	0.73	5	1.8	2
Y2E1-160M1-8	4	5.5	10.28	9.76	720	81	0.73	5	1.9	2
Y2E1-160M2-8	5.5	7.5	13.61	12.93	720	83	0.74	6	2	2
Y2E1-160L-8	7.5	10	17.77	16.88	720	85.5	0.75	6	2	2
Y2E1-180L-8	11	15	25.13	23.88	720	87.5	0.76	6	2	2
Y2E1-200L-8	15	20	34.08	32.37	720	88	0.76	6	2	2
Y2E1-225S-8	18.5	25	40.04	38.04	720	90	0.78	6.6	2	2
Y2E1-225M-8	22	30	46.75	44.41	720	90.5	0.79	6.6	1.9	2
Y2E1-250M-8	30	40	63.40	60.23	720	91	0.79	6.6	1.9	2
Y2E1-280S-8	37	50	77.35	73.48	730	92	0.79	6.6	1.9	2
Y2E1-280M-8	45	60	90.96	86.41	730	92.8	0.81	6.6	1.9	2
Y2E1-315S-8	55	75	110.93	105.38	730	93	0.81	6.6	1.9	2
Y2E1-315M-8	75	100	148.15	140.74	730	93.8	0.82	6.6	1.9	2
Y2E1-315L1-8	90	125	177.40	168.53	740	94	0.82	6.6	1.8	2
Y2E1-315L2-8	110	150	217.52	206.64	740	93.7	0.82	6.4	1.8	2
Y2E1-355M1-8	132	180	259.64	246.65	740	94.2	0.82	6.4	1.8	2
Y2E1-355M2-8	160	220	313.71	298.03	740	94.5	0.82	6.4	1.8	2
Y2E1-355L-8	200	270	387.41	368.04	740	94.5	0.83	6.4	1.8	2
Y2E1-315S-10	45	60	92.25	87.64	590	91.5	0.81	6	1.5	2
Y2E1-315M-10	55	75	121.11	115.05	590	92	0.75	6	1.5	2
Y2E1-315L1-10	75	100	164.25	156.04	590	92.5	0.75	6	1.5	2
Y2E1-315L2-10	90	125	193.46	183.79	590	93	0.76	6	1.5	2
Y2E1-355M1-10	110	150	232.89	221.24	590	93.2	0.77	6	1.3	2
Y2E1-355M2-10	132	180	274.99	261.24	590	93.5	0.78	6	1.3	2
Y2E1-355L-10	160	220	333.33	316.66	590	93.5	0.78	6	1.3	2