

Y2E2 & Y2E3 SERIES

THREE PHASE CAST IRON HIGH EFFICIENCY MOTOR



Y2E2 & Y2E3 Three phase cast iron high efficiency motor are the high efficiency motors designed according to the efficiency classification of IEC60034-30. It has good performance in energy saving.

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, ventilators, pumps, reducers, packing machine, washing machine, agricultural and food processing machine, mining equipment, construction equipment and etc.

RANGE OF PERFORMANCE

Frame Size: H80~H355

Rated Power Range: 0.75KW~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 F/H

Protection Class: IP55/56

Duty: S1

Y2E2 TECHNICAL DATA

TYPE	Output		Current(A)		Speed (r/min)	Eff (%)	Power Factor	Ist/in	Tstart/Tn	Tmax/Tn
	KW	HP	380V	400V						
Y2E2-80M1-2	0.75	1	1.80	1.71	2850	77.4	0.82	6.8	2	2.3
Y2E2-80M2-2	1.1	1.5	2.53	2.40	2870	79.6	0.83	7.1	2.3	2.3
Y2E2-90S-2	1.5	2	3.34	3.17	2880	81.3	0.84	7.3	2.3	2.3
Y2E2-90L-2	2.2	3	4.73	4.49	2880	83.2	0.85	7.6	2.3	2.3
Y2E2-100L1-2	3	4	6.19	5.88	2880	84.6	0.87	7.8	2.2	2.3
Y2E2-112M-2	4	5.5	8.05	7.65	2900	85.8	0.88	8.1	2.3	2.3
Y2E2-132S1-2	5.5	7.5	10.91	10.37	2910	87	0.88	8.2	2.2	2.3
Y2E2-132S2-2	7.5	10	14.53	13.81	2910	88.1	0.89	7.8	2.2	2.3
Y2E2-160M1-2	11	15	21.00	19.95	2940	89.4	0.89	7.9	2.2	2.3
Y2E2-160M2-2	15	20	28.36	26.94	2940	90.3	0.89	8	2.2	2.3
Y2E2-160L2-2	18.5	25	34.74	33.01	2940	90.9	0.89	8	2.2	2.3
Y2E2-180M-2	22	30	41.14	39.08	2950	91.3	0.89	8.1	2.2	2.3
Y2E2-200L1-2	30	40	55.67	52.88	2960	92	0.89	7.5	2	2.3
Y2E2-200L2-2	37	50	68.29	64.87	2960	92.5	0.89	7.5	2	2.3
Y2E2-225M-2	45	60	82.69	78.56	2960	92.9	0.89	7.5	2.2	2.3
Y2E2-250M-2	55	75	100.74	95.71	2970	93.2	0.89	7.6	2.2	2.3



TYPE	Output		Current(A)		Speed (r/min)	Eff (%)	Power Factor	Ist/in	Tstart/Tn	Tmax/Tn
	KW	HP	380V	400V						
Y2E2-280S-2	75	100	136.50	129.67	2975	93.8	0.89	6.9	2	2.3
Y2E2-280M-2	90	125	163.27	155.11	2975	94.1	0.89	6.9	2	2.3
Y2E2-315S-2	110	150	196.92	187.08	2975	94.3	0.9	7	2	2.2
Y2E2-315M-2	132	180	235.56	223.78	2975	94.6	0.9	7	2	2.2
Y2E2-315L1-2	160	220	281.79	267.70	2975	94.8	0.91	7.1	2	2.2
Y2E2-315L2-2	200	270	351.50	333.92	2975	95	0.91	7.1	2	2.2
Y2E2-355M-2	250	340	439.37	417.40	2980	95	0.91	7.1	1.6	2.2
Y2E2-355L-2	315	420	553.61	525.93	2980	95	0.91	7.2	1.6	2.2
Y2E2-80M2-4	0.75	1	1.88	1.79	1420	79.6	0.76	6.4	2.3	2.3
Y2E2-90S-4	1.1	1.5	2.67	2.53	1420	81.4	0.77	6.6	2.3	1.3
Y2E2-90L-4	1.5	2	3.53	3.35	1420	82.8	0.78	6.7	2.3	2.3
Y2E2-100L1-4	2.2	3	4.96	4.71	1440	84.3	0.8	7.3	2.3	2.3
Y2E2-100L2-4	3	4	6.58	6.25	1440	85.5	0.81	7.5	2.3	2.3
Y2E2-112M-4	4	5.5	8.66	8.23	1445	86.6	0.81	7.5	2.3	2.3
Y2E2-132S-4	5.5	7.5	11.62	11.04	1450	87.7	0.82	7.5	2	2.3
Y2E2-132M-4	7.5	10	15.48	14.70	1450	88.7	0.83	7.3	2	2.3
Y2E2-160M-4	11	15	22.42	21.30	1470	89.8	0.83	7.4	2.2	2.3
Y2E2-160L-4	15	20	29.95	28.45	1470	90.6	0.84	7.5	2.2	2.3
Y2E2-180M-4	18.5	25	36.26	34.45	1470	91.2	0.85	7.6	2.2	2.3
Y2E2-180L-4	22	30	42.93	40.78	1470	91.6	0.85	7.7	2.2	2.3
Y2E2-200L-4	30	40	58.10	55.19	1470	92.3	0.85	7.1	2.2	2.3
Y2E2-225S-4	37	50	70.51	66.99	1480	92.7	0.86	7.3	2.2	2.3
Y2E2-225M-4	45	60	85.39	81.12	1480	93.1	0.86	7.3	2.2	2.3
Y2E2-250M-4	55	75	103.92	98.73	1480	93.5	0.86	7.3	2.2	2.3
Y2E2-280S-4	75	100	139.34	132.37	1480	94	0.87	6.8	2.2	2.3
Y2E2-280M-4	90	125	164.95	156.71	1480	94.2	0.88	6.9	2.2	2.3
Y2E2-315S-4	110	150	198.71	188.78	1480	94.5	0.89	6.9	2.1	2.2
Y2E2-315M-4	132	180	237.95	226.05	1480	94.7	0.89	6.9	2.1	2.2
Y2E2-315L1-4	160	220	284.62	270.39	1480	94.9	0.9	6.9	2.2	2.2
Y2E2-315L2-4	200	270	355.03	337.28	1480	95.1	0.9	6.9	2.1	2.2
Y2E2-355M-4	250	340	443.79	421.60	1490	95.1	0.9	6.9	2.1	2.2
Y2E2-355L-4	315	420	559.17	531.21	1490	95.1	0.9	6.9	2.1	2.2
Y2E2-90S-6	0.75	1	2.11	2.01	930	75.9	0.71	5.8	2	2.1
Y2E2-90L-6	1.1	1.5	2.97	2.82	930	78.1	0.72	5.9	2	2.1
Y2E2-100L1-6	1.5	2	3.97	3.77	930	79.8	0.72	5.9	2	2.1
Y2E2-112M-6	2.2	3	5.68	5.39	945	81.8	0.72	6.2	2.1	2.1
Y2E2-132S-6	3	4	7.60	7.22	960	83.3	0.72	6.4	2	2.1
Y2E2-132M1-6	4	5.5	9.71	9.22	965	84.6	0.74	6.6	2	2.1
Y2E2-132M2-6	5.5	7.5	12.96	12.31	965	86	0.75	6.8	2.1	2.1
Y2E2-160M-6	7.5	10	16.75	15.92	970	87.2	0.78	6.8	2.1	2.1
Y2E2-160L-6	11	15	23.85	22.66	970	88.7	0.79	6.9	2.1	2.1
Y2E2-180L-6	15	20	31.37	29.80	980	89.7	0.81	7.3	2	2.1
Y2E2-200L1-6	18.5	25	38.39	36.47	980	90.4	0.81	7.2	2.1	2.1
Y2E2-200L2-6	22	30	45.40	43.13	980	90.9	0.81	7.3	2.1	2.1
Y2E2-225M-6	30	40	60.62	57.59	980	91.7	0.82	6.8	2	2.1
Y2E2-250M-6	37	50	73.46	69.79	980	92.2	0.83	7	2.1	2.1
Y2E2-280S-6	45	60	86.77	82.43	980	92.7	0.85	7.2	2.1	2
Y2E2-280M-6	55	75	105.60	100.32	980	93.1	0.85	7.2	2.1	2
Y2E2-315S-6	75	100	143.07	135.92	990	93.7	0.85	6.5	2	2
Y2E2-315M-6	90	125	171.14	162.58	990	94	0.85	6.6	2	2
Y2E2-315L1-6	110	150	208.51	198.08	990	94.3	0.85	6.6	2	2
Y2E2-315L2-6	132	180	246.51	234.19	990	94.6	0.86	6.6	2	2
Y2E2-355M1-6	160	220	298.17	283.26	990	94.8	0.86	6.7	1.9	2
Y2E2-355M2-6	200	270	371.93	353.34	990	95	0.86	6.8	2	2
Y2E2-355L-6	250	340	464.92	441.67	990	95	0.86	6.8	2	2

Y2E3 TECHNICAL DATA

TYPE	Output		Current(A)		Speed (r/min)	Eff (%)	Power Factor	Ist/in	Tstart/Tn	Tmax/Tn
	KW	HP	380V	400V						
Y2E3-80M1-2	0.75	1	1.72	1.64	2890	80.7	0.82	7	2.3	2.3
Y2E3-80M2-2	1.1	1.5	2.43	2.31	2890	82.7	0.83	7.1	2.3	2.3
Y2E3-90S-2	1.5	2	3.22	3.06	2890	84.2	0.84	7.6	2.2	2.3
Y2E3-90L-2	2.2	3	4.58	4.35	2890	85.9	0.85	7.6	2.2	2.3
Y2E3-100L-2	3	4	6.02	5.71	2895	87.1	0.87	7.8	2.2	2.3
Y2E3-112M-2	4	5.5	7.84	7.45	2910	88.1	0.88	8.3	2.2	2.3
Y2E3-132S1-2	5.5	7.5	10.65	10.11	2940	89.2	0.88	8.3	2	2.3
Y2E3-132S2-2	7.5	10	14.37	13.65	2940	90.1	0.88	7.9	2	2.3
Y2E3-160M1-2	11	15	20.59	19.56	2950	91.2	0.89	8.1	2	2.3
Y2E3-160M2-2	15	20	27.86	26.47	2950	91.9	0.89	8.1	2	2.3
Y2E3-160L-2	18.5	25	34.18	32.47	2950	92.4	0.89	8.2	2	2.3
Y2E3-180M-2	22	30	40.51	38.49	2960	92.7	0.89	8.1	2	2.3
Y2E3-200L1-2	30	40	54.89	52.15	2970	93.3	0.89	7.6	2	2.3
Y2E3-200L2-2	37	50	67.41	64.04	2970	93.7	0.89	7.6	2	2.3
Y2E3-225M-2	45	60	80.82	76.78	2970	94	0.9	7.7	2	2.3
Y2E3-250M-2	55	75	98.46	93.54	2980	94.3	0.9	7.7	2.2	2.3
Y2E3-280S-2	75	100	133.70	127.01	2980	94.7	0.9	7.1	1.8	2.3
Y2E3-280M-2	90	125	159.93	151.93	2980	95	0.9	7.1	1.8	2.3
Y2E3-315S-2	110	150	195.06	185.31	2980	95.2	0.9	7.1	1.8	2.3
Y2E3-315M-2	132	180	235.81	224.02	2980	94.5	0.9	7.1	1.8	2.3
Y2E3-315L1-2	160	220	279.43	265.46	2980	95.6	0.91	7.2	1.8	2.3
Y2E3-315L2-2	200	270	348.56	331.13	2980	95.8	0.91	7.2	1.8	2.3
Y2E3-355M-2	250	340	435.70	413.92	2980	95.8	0.91	7.2	1.6	2.3
Y2E3-355L-2	315	420	548.98	521.53	2980	95.8	0.91	7.2	1.6	2.3
Y2E3-80M2-4	0.75	1	1.84	1.75	1430	82.5	0.75	6.6	2.3	2.3
Y2E3-90S-4	1.1	1.5	2.61	2.48	1440	84.1	0.76	6.8	2.3	1.3
Y2E3-90L-4	1.5	2	3.47	3.30	1440	85.3	0.77	7	2.3	2.3
Y2E3-100L1-4	2.2	3	4.76	4.52	1455	86.7	0.81	7.6	2.3	2.3
Y2E3-100L2-4	3	4	6.34	6.02	1455	87.7	0.82	7.6	2.3	2.3
Y2E3-112M-4	4	5.5	8.37	7.95	1460	88.6	0.82	7.8	2.2	2.3
Y2E3-132S-4	5.5	7.5	11.24	10.67	1470	89.6	0.83	7.9	2	2.3
Y2E3-132M-4	7.5	10	15.01	14.26	1470	90.4	0.84	7.5	2	2.3
Y2E3-160M-4	11	15	21.51	20.44	1470	91.4	0.85	7.7	2.2	2.3
Y2E3-160L-4	15	20	28.77	27.33	1470	92.1	0.86	7.8	2	2.3
Y2E3-180M-4	18.5	25	35.30	33.53	1475	92.6	0.86	7.8	2	2.3
Y2E3-180L-4	22	30	41.79	39.70	1475	93	0.86	7.8	2	2.3
Y2E3-200L-4	30	40	56.62	53.79	1480	93.6	0.86	7.8	2	2.3
Y2E3-225S-4	37	50	69.61	66.13	1485	93.9	0.86	7.4	2	2.3
Y2E3-225M-4	45	60	84.40	80.18	1485	94.2	0.86	7.4	2	2.3
Y2E3-250M-4	55	75	102.71	97.58	1485	94.6	0.86	7.4	2	2.3
Y2E3-280S-4	75	100	136.30	129.49	1485	95	0.88	6.9	2	2.3
Y2E3-280M-4	90	125	163.22	155.06	1485	95.2	0.88	6.9	2	2.3
Y2E3-315S-4	110	150	196.84	187.00	1485	95.4	0.89	7	2	2.2
Y2E3-315M-4	132	180	235.71	223.93	1485	95.6	0.89	7	2	2.2
Y2E3-315L1-4	160	220	285.12	270.86	1485	95.8	0.89	7.1	2	2.2
Y2E3-315L2-4	200	270	351.70	334.11	1485	96	0.9	7.1	2	2.2
Y2E3-355M-4	250	340	439.62	417.64	1490	96	0.9	7.1	2	2.2
Y2E3-355L-4	315	420	553.93	526.23	1490	96	0.9	7.1	2	2.2
Y2E3-90S-6	0.75	1	2.03	1.93	955	78.9	0.71	6	2	2.1
Y2E3-90L-6	1.1	1.5	2.83	2.69	955	81	0.73	6	2	2.1
Y2E3-100L-6	1.5	2	3.78	3.59	955	82.5	0.73	6.5	2	2.1
Y2E3-112M-6	2.2	3	5.36	5.09	970	84.3	0.74	6.6	2	2.1
Y2E3-132S-6	3	4	7.20	6.84	970	85.6	0.74	6.8	2	2.1
Y2E3-132M1-6	4	5.5	9.46	8.99	970	86.8	0.74	6.8	2	2.1
Y2E3-132M2-6	5.5	7.5	12.66	12.03	970	88	0.75	7	2	2.1
Y2E3-160M-6	7.5	10	16.19	15.38	980	89.1	0.79	7	2	2.1
Y2E3-160L-6	11	15	23.14	21.98	980	90.3	0.8	7.2	2	2.1
Y2E3-180L-6	15	20	30.85	29.31	980	91.2	0.81	7.3	2	2.1
Y2E3-200L1-6	18.5	25	37.84	35.95	985	91.7	0.81	7.3	2	2.1
Y2E3-200L2-6	22	30	44.76	42.52	985	92.2	0.81	7.4	2	2.1
Y2E3-225M-6	30	40	59.11	56.16	985	92.9	0.83	6.9	2	2.1
Y2E3-250M-6	37	50	71.73	68.14	990	93.3	0.84	7.1	2	2.1
Y2E3-280S-6	45	60	85.84	81.55	990	93.7	0.85	7.3	2	2
Y2E3-280M-6	55	75	103.26	98.10	990	94.1	0.86	7.3	2	2
Y2E3-315S-6	75	100	143.40	136.23	990	94.6	0.84	6.6	2	2
Y2E3-315M-6	90	125	169.52	161.04	990	94.9	0.85	6.7	2	2
Y2E3-315L1-6	110	150	206.75	196.41	990	95.1	0.85	6.7	2	2
Y2E3-315L2-6	132	180	244.45	232.22	990	95.4	0.86	6.8	2	2
Y2E3-355M1-6	160	220	295.68	280.89	990	95.6	0.86	6.8	1.8	2
Y2E3-355M2-6	200	270	364.59	346.36	990	95.8	0.87	6.9	1.8	2
Y2E3-355L-6	250	340	455.73	432.95	990	95.8	0.87	6.8	1.8	2
Y2E3-3552-6	315	420	580.90	551.86	990	95.8	0.86	6.8	1.8	2