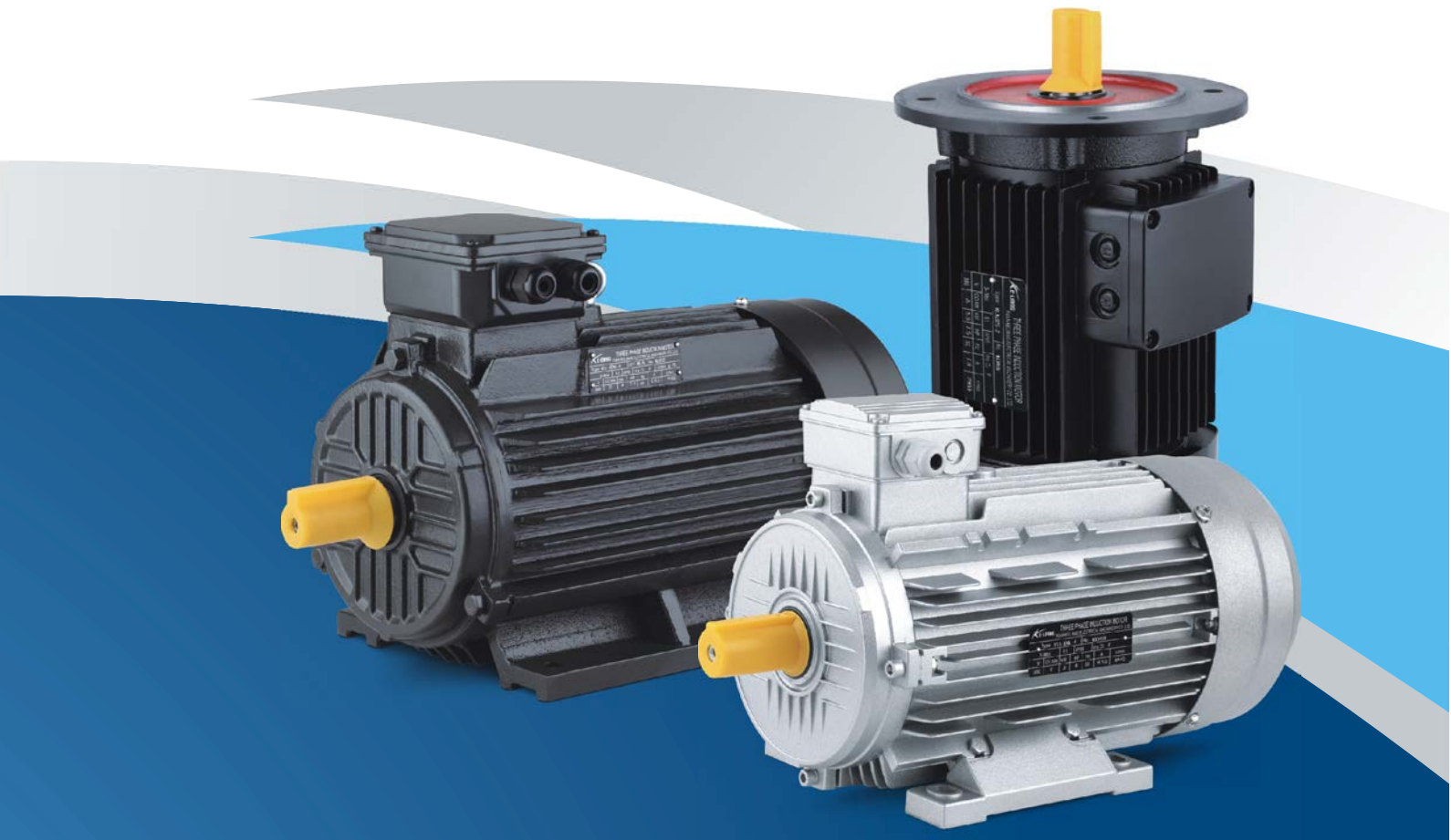
KELIANG 科良

HIGH EFFICIENCY · PREMIUM EFFICIENCY

ELECTRIC MOTOR



福安市科良电机有限公司
FUAN KELIANG ELECTRICAL MACHINERY CO.,LTD.

CE TÜV GS ISO9001:2000 RoHS



YE2 SERIES (IE2) HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

YE2 series aluminum housing three phase motors, with newest design in entirety, are made of selected quality materials and conform to the IEC standard. YE2 motors have good performance, safety and reliable operation, nice surface and can be maintained very conveniently, with low noise, little vibration, light weight and simple construction. These motors can be used in general drive.

TECHNICAL DATA

Type	Rated Power		Rated Current			Frequency (Hz)	Efficiency η(%)	Power Factor (cosΦ)	Locked-rotor torque	Pull-out Torque	Minimum Torque
	kW	HP	380V	400V	415V				Rated torque Tst/TN	Rated torque Tmax/TN	Rated torque Tmax/Tn
3000 min^{-1}(2poles) 50Hz											
YE2-71M1-2	0.37	0.5	1.01	0.96	0.92	50	69.00	0.81	2.2	2.3	6.1
YE2-71M2-2	0.55	0.75	1.38	1.3	1.26	50	74.00	0.82	2.3	2.3	6.1
YE2-80M1-2	0.75	1	1.77	1.67	1.6	50	75.00	0.83	2.3	2.2	6.1
YE2-80M2-2	1.1	1.5	2.61	2.34	2.24	50	76.20	0.84	2.3	2.2	6.9
YE2-90S-2	1.5	2	3.46	3.29	3.15	50	78.50	0.84	2.3	2.2	7.0
YE2-90L-2	2.2	3	4.85	4.6	4.4	50	81.00	0.85	2.3	2.2	7.0
YE2-100L-2	3	4	6.34	6.02	5.77	50	82.60	0.87	2.3	2.2	7.5
YE2-112M-2	4	5.5	8.2	7.8	7.46	50	84.20	0.88	2.3	2.2	7.5
YE2-132S1-2	5.5	7.5	11.1	10.5	10.1	50	85.70	0.88	2.3	2.2	7.5
YE2-132S2-2	7.5	10	14.9	14.15	13.56	50	87.00	0.88	2.3	2.2	7.5
YE2-160M1-2	11	15	21.3	20.2	19.4	50	88.00	0.89	2.3	2.2	7.5
YE2-160M2-2	15	20	28.8	27.4	26.2	50	89.00	0.89	2.3	2.2	7.5
YE2-160L-2	18.5	25	34.7	32.97	31.6	50	90.00	0.90	2.3	2.2	7.5
1500 min^{-1}(4poles) 50Hz											
YE2-71M1-4	0.25	0.34	0.79	0.75	0.72	50	65.00	0.74	2.2	2.1	5.2
YE2-71M2-4	0.37	0.5	1.12	1.1	1.0	50	67.00	0.75	2.2	2.1	5.2
YE2-80M1-4	0.55	0.75	1.52	1.44	1.38	50	71.00	0.75	2.3	2.4	5.2
YE2-80M2-4	0.75	1	1.95	1.85	1.77	50	73.00	0.76	2.3	2.3	6.0
YE2-90S-4	1.1	1.5	2.85	2.7	2.6	50	76.20	0.77	2.3	2.3	6.0
YE2-90L-4	1.5	2	3.72	3.53	3.39	50	78.50	0.78	2.3	2.3	6.0
YE2-100L1-4	2.2	3	5.09	4.83	4.6	50	81.00	0.81	2.3	2.3	7.0
YE2-100L2-4	3	4	6.78	6.4	6.17	50	82.60	0.82	2.3	2.3	7.0
YE2-112M-4	4	5.5	8.8	8.36	8.0	50	84.20	0.82	2.3	2.3	7.0
YE2-132S-4	5.5	7.5	11.7	11.12	10.65	50	85.70	0.83	2.3	2.3	7.0
YE2-132M-4	7.5	10	15.6	14.8	14.2	50	87.00	0.84	2.3	2.3	7.0
YE2-160M-4	11	15	22.3	21.2	20.3	50	88.00	0.85	2.3	2.3	7.0
YE2-160L-4	15	20	30.1	28.6	27.4	50	89.00	0.85	2.3	2.3	7.0
1000 min^{-1}(6poles) 50Hz											
YE2-71M1-6	0.18	0.25	0.74	0.7	0.67	50	56.00	0.66	2.0	1.9	4.0
YE2-71M2-6	0.25	0.34	0.95	0.9	0.86	50	59.00	0.68	2.0	1.9	4.0
YE2-80M1-6	0.37	0.5	1.23	1.17	1.12	50	62.00	0.70	2.0	1.9	4.7
YE2-80M2-6	0.55	0.75	1.7	1.6	1.55	50	65.00	0.72	2.1	1.9	4.7
YE2-90S-6	0.75	1	2.29	2.18	2.08	50	69.00	0.72	2.1	2.0	5.3
YE2-90L-6	1.1	1.5	3.18	3.02	2.9	50	72.00	0.73	2.1	2.0	5.5
YE2-100L-6	1.5	2	4.0	3.8	3.64	50	76.00	0.76	2.1	2.0	5.5
YE2-112M-6	2.2	3	5.6	5.32	5.1	50	79.00	0.76	2.1	2.0	6.5
YE2-132S-6	3	4	7.4	7.03	6.73	50	81.00	0.76	2.1	2.1	6.5
YE2-132M1-6	4	5.5	7.4	9.03	8.65	50	82.00	0.76	2.1	2.1	6.5
YE2-132M2-6	5.5	7.5	9.5	11.97	11.46	50	84.00	0.77	2.1	2.1	6.5
YE2-160M-6	7.5	10	12.6	16.1	15.6	50	86.00	0.78	2.1	2.0	6.5
YE2-160L-6	11	15	24.2	22.99	22.02	50	87.50	0.79	2.1	2.0	6.5



YE3 SERIES (IE3) PREMIUM EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

YE3 series motors are premium efficiency aluminum motors. It is KELIANG designed premium efficiency electric motors. The premium efficiency motors is for the application of carpentry, fans, pumps, compressors, and other mechanical equipment. The efficiency indictors are in line with IE3.

- IP55 protection, class F insulation, B-level Temperature rise, S1 duty
- Rated voltage 400V, Rated frequency 50 Hz
- Operation conditions: ambient temperature:-20℃~40℃
- Altitude≤1000m

TECHNICAL DATA

IEC Frame	Output		Rated speed	Full loda current IN (A)	Efficiency η%			Power factor cosΦ			Locked rotor current	Locked rotor torque	Break down torque	Sound LP
					% of full load									
	kW	HP	rpm	400V	100	75	50	100	75	50	IL/In	TL/Tn	Tb/Tn	dB(A)
3000 min-1 (2poles) 50Hz														
YE3-80M1-2	0.75	1	2855	1.61	81.2	81.0	78.2	0.83	0.78	0.70	6.5	3.4	3.8	55
YE3-80M2-2	1.1	1.5	2855	2.30	83.2	83.1	80.6	0.83	0.80	0.72	7.5	4.0	4.4	55
YE3-90S-2	1.5	2	2905	2.93	84.8	84.5	81.4	0.87	0.83	0.71	8.0	2.6	3.3	60
YE3-90L-2	2.2	3	2905	4.17	86.6	86.0	83.2	0.88	0.83	0.73	8.5	3.0	3.3	59
YE3-100L-2	3	4	2900	5.54	87.8	87.3	84.8	0.89	0.84	0.73	9.0	3.0	3.7	63
YE3-112M-2	4	5.5	2900	7.39	88.8	88.7	86.6	0.88	0.84	0.79	8.0	2.6	3.0	63
YE3-132S1-2	5.5	7.5	2930	9.9	89.9	90.0	87.1	0.89	0.87	0.83	8.9	2.4	3.7	68
YE3-132S2-2	7.5	10	2930	13.2	90.8	90.3	89.6	0.90	0.86	0.82	9.0	2.4	3.5	68
YE3-132M-2	9.2	12.5	2930	16.4	91.0	91.1	90.3	0.89	0.86	0.83	8.9	2.4	3.4	68
YE3-160M1-2	11	15	2940	19.3	91.6	91.5	91.2	0.90	0.87	0.83	7.6	2.7	3.0	71
YE3-160M2-2	15	20	2940	25.7	92.4	92.4	91.7	0.91	0.89	0.85	7.6	2.7	3.0	70
YE3-160L-2	18.5	25	2940	32.0	92.8	92.8	92.4	0.90	0.89	0.85	7.6	2.7	3.0	70
YE3-180M-2	22	30	2950	37.9	93.1	93.0	92.8	0.90	0.89	0.87	7.6	2.6	3.4	71
1500 min-1 (4poles) 50Hz														
YE3-80M2-4	0.75	1	1440	1.80	82.5	81.2	78.4	0.73	0.68	0.56	5.5	2.9	3.2	47
YE3-90S-4	1.1	1.5	1445	2.39	85.0	84.6	82.8	0.78	0.66	0.58	6.0	2.3	2.8	49
YE3-90L-4	1.5	2	1445	3.23	86.0	84.6	82.7	0.78	0.67	0.60	7.0	2.7	3.0	51
YE3-100L1-4	2.2	3	1450	4.56	88.2	88.3	85.1	0.79	0.72	0.64	8.0	3.0	4.0	51
YE3-100L2-4	3	4	1450	6.20	88.4	88.2	86.2	0.79	0.75	0.65	8.6	3.5	3.8	51
YE3-112M-4	4	5.5	1450	7.82	89.0	89.0	88.1	0.83	0.75	0.71	8.0	3.0	3.0	55
YE3-132S-4	5.5	7.5	1465	10.9	90.2	89.9	88.5	0.81	0.76	0.66	8.5	2.9	3.3	55
YE3-132M-4	7.5	10	1465	14.7	90.8	90.4	89.6	0.81	0.75	0.68	9.0	3.0	3.3	56
YE3-132M-4	9.2	12.5	1465	18.0	91.2	90.1	89.8	0.81	0.76	0.70	8.7	2.8	3.0	57
YE3-160M-4	11	15	1475	20.1	91.7	90.6	90.3	0.86	0.81	0.71	7.1	2.9	3.1	62
YE3-160L-4	15	20	1475	27.2	92.4	92.4	91.2	0.86	0.82	0.73	7.6	3.0	3.1	62
YE3-180M-4	18.5	25	1475	33.8	92.9	93.0	91.3	0.85	0.81	0.72	7.6	2.5	3.0	63
YE3-180L-4	22	30	1475	40.0	93.3	93.1	92.6	0.85	0.82	0.72	8.0	2.8	3.2	63
1000 min-1 (6poles) 50Hz														
YE3-90S-6	0.75	1	955	1.95	79.2	78.6	74.8	0.70	0.62	0.50	4.2	2.0	2.5	45
YE3-90L-6	1.1	1.5	955	2.75	81.4	81.0	74.5	0.71	0.63	0.51	4.1	2.0	2.5	45
YE3-100L-6	1.5	2	960	3.73	83.0	82.9	80.1	0.70	0.65	0.55	4.7	2.0	2.6	47
YE3-112M-6	2.2	3	960	4.94	84.5	84.5	82.1	0.76	0.68	0.60	5.0	2.0	2.3	46
YE3-132S-6	3	4	975	6.70	86.2	86.2	84.7	0.75	0.68	0.58	7.1	2.5	2.5	50
YE3-132M1-6	4	5.5	975	8.81	87.4	87.2	85.9	0.75	0.70	0.58	7.5	2.8	3.1	50
YE3-132M2-6	5.5	7.5	975	11.8	88.4	88.5	87.8	0.76	0.72	0.60	7.5	3.0	3.1	53
YE3-160M-6	7.5	10	975	15.7	89.5	89.2	88.7	0.77	0.74	0.64	7.0	2.5	2.8	56
YE3-160L-6	11	15	975	22.8	90.5	90.5	90.1	0.77	0.74	0.63	7.0	3.0	3.1	56
YE3-180L-6	15	20	985	29.5	91.7	91.4	90.6	0.80	0.76	0.65	8.5	3.0	3.4	59

YX2 SERIES (IE2) HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR



YX2 Series high-efficiency casting iron three-phase asynchronous motor is based on the latest energy efficiency rating of IEC60034-30 standard and IEC60034-2 rotating electrical machines Part 2 "losses and efficiency of rotating electrical test measurement method", The advanced technologies, process control, and our many years' production experience which can ensure the efficiency reaching into the target level of IE2 standard; This series motor is noted for their novel design, high efficiency, energy-saving, beautiful modeling, low noise, high efficiency, compact structure, convenient maintenance and so on, The motor with Class F insulation, temperature rise by the full range of B-class assessment are greatly enhance the safety and reliability. Mounting dimensions comply with IEC standard, the protection degree is IP55. YX2 series motors can be widely used for driving equipment of various machineries, such as: machine tools, blowers, pumps, compressors, packaging machinery, mine machinery, construction machinery.

TECHNICAL DATA

Type	Rated Power		Current In (A)	Speed (r/min)	Efficiency η%	Power factor CosΦ	Locked-rotor current	Locked-rotor torque	Pull-out Torque	Minimum Torque	Noise dB(A)
	kW	HP					Rated current Ist/IN	Rated torque Tst/IN	Rated torque Tmax/TN	Rated torque Tmax/TN	
3000 min^{-1}(2poles) 50Hz											
YX2-80M1-2	0.75	1	1.8	2840	77.4	0.82	6.8	2.3	2.3	1.5	64
YX2-80M2-2	1.1	1.5	2.53	2840	79.6	0.83	7.1	2.3	2.3	1.5	64
YX2-90S-2	1.5	2	3.34	2840	81.3	0.84	7.3	2.3	2.3	1.5	69
YX2-90L-2	2.2	3	4.73	2840	83.2	0.85	7.6	2.3	2.3	1.4	69
YX2-100L-2	3.0	4	6.19	2860	84.6	0.87	7.8	2.2	2.3	1.4	76
YX2-112M-2	4.0	5.5	8.05	2880	85.8	0.88	8.1	2.2	2.3	1.4	79
YX2-132S1-2	5.5	7.5	10.92	2910	87.0	0.88	8.2	2.2	2.3	1.2	81
YX2-132S2-2	7.5	10	14.53	2910	88.1	0.89	7.8	2.2	2.3	1.2	81
YX2-160M1-2	11	15	21.01	2920	89.4	0.89	7.9	2.2	2.3	1.2	83
YX2-160M2-2	15	20	28.36	2920	90.3	0.89	7.9	2.2	2.3	1.2	83
YX2-160L-2	18.5	25	34.74	2920	90.9	0.89	8.0	2.2	2.3	1.1	83
YX2-180M-2	22	30	41.1	2930	91.3	0.89	8.1	2.2	2.3	1.1	85
YX2-200L1-2	30	40	55.7	2940	92.0	0.89	7.5	2.0	2.3	1.1	86
YX2-200L2-2	37	50	68.3	2960	92.5	0.89	7.5	2.0	2.3	1.1	86
YX2-225M-2	45	60	82.7	2960	92.9	0.89	7.5	2.2	2.3	1.0	88
YX2-250M-2	55	75	100.7	2960	93.2	0.89	7.6	2.2	2.3	1.0	91
YX2-280S-2	75	100	136.5	2960	93.8	0.89	6.9	1.8	2.3	0.9	93
YX2-280M-2	90	125	163.3	2960	94.1	0.89	6.9	1.8	2.3	0.9	93
YX2-315S-2	110	150	196.9	2970	94.3	0.90	7.0	1.8	2.2	0.9	94
YX2-315M-2	132	180	235.6	2970	94.6	0.90	7.0	1.8	2.2	0.9	94
YX2-315L1-2	160	215	281.8	2970	94.8	0.91	7.1	1.8	2.2	0.9	94
YX2-315L2-2	200	270	351.5	2970	95.0	0.91	7.1	1.8	2.2	0.8	94
YX2-355M-2	250	340	439.4	2970	95.0	0.91	7.1	1.6	2.2	0.8	102
YX2-355L-2	315	420	553.6	2970	95.0	0.91	7.2	1.6	2.2	0.8	102
YX2-3551-2	355	623.9	623.9	2970	95.0	0.91	7.2	1.6	2.2	0.7	106
YX2-3552-2	375	659.1	659.1	2970	95.0	0.91	7.2	1.6	2.2	0.7	106
1500 min^{-1}(4poles) 50Hz											
YX2-80M1-4	0.55	0.75	1.38	1390	79.6	0.76	6.4	2.3	2.3	1.6	61
YX2-80M2-4	0.75	1	1.88	1390	79.6	0.76	6.4	2.3	2.3	1.6	61
YX2-90S-4	1.1	1.5	2.67	1390	81.4	0.77	6.6	2.3	2.3	1.6	64
YX2-90L-4	1.5	2	3.53	1390	82.8	0.78	6.7	2.3	2.3	1.6	64
YX2-100L1-4	2.2	3	4.96	1410	84.3	0.80	7.3	2.3	2.3	1.5	69
YX2-100L2-4	3	4	6.58	1410	85.5	0.81	7.5	2.3	2.3	1.5	69
YX2-112M-4	4	5.5	8.66	1435	86.6	0.81	7.5	2.3	2.3	1.5	70
YX2-132S-4	5.5	7.5	11.62	1440	87.7	0.82	7.5	2.0	2.3	1.4	76
YX2-132M-4	7.5	10	15.48	1440	88.7	0.83	7.3	2.0	2.3	1.4	76
YX2-160M-4	11	15	22.42	1460	89.8	0.83	7.4	2.0	2.3	1.4	78
YX2-160L-4	15	20	29.95	1460	90.6	0.84	7.5	2.0	2.3	1.4	78
YX2-180M-4	18.5	25	36.3	1470	91.2	0.85	7.6	2.0	2.3	1.2	80
YX2-180L-4	22	30	42.9	1470	91.6	0.85	7.7	2.1	2.3	1.2	80
YX2-200L-4	30	40	58.1	1470	92.3	0.85	7.1	2.1	2.3	1.2	80
YX2-225S-4	37	50	70.5	1475	92.7	0.86	7.3	2.1	2.3	1.2	81
YX2-225M-4	45	60	85.4	1475	93.1	0.86	7.3	2.2	2.3	1.1	81
YX2-250M-4	55	75	103.9	1480	93.5	0.86	7.3	2.2	2.3	1.1	82
YE2-280S-4	75	100	139.3	1480	94.0	0.87	6.8	2.2	2.3	1.0	83
YX2-280M-4	90	125	165.0	1480	94.2	0.88	6.9	2.2	2.3	1.0	83
YX2-315S-4	110	150	198.7	1480	94.5	0.89	6.9	2.1	2.2	1.0	91
YX2-315M-4	132	180	238.0	1480	94.7	0.89	6.9	2.1	2.2	1.0	91
YX2-315L1-4	160	215	284.6	1480	94.9	0.90	6.9	2.1	2.2	1.0	91
YX2-315L2-4	200	270	355.0	1480	95.1	0.90	6.9	2.1	2.2	0.9	91
YX2-355M-4	250	340	443.8	1490	95.1	0.90	6.9	2.0	2.2	0.9	97
YX2-355L-4	315	420	559.2	1490	95.1	0.90	6.9	2.0	2.2	0.8	97
YX2-3551-4	355	420	637.3	1490	95.1	0.89	6.5	1.7	2.2	0.8	104
YX2-3552-4	375	420	673.2	1490	95.1	0.89	6.5	1.7	2.2	0.8	104

YX2 SERIES (IE2) HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

TECHNICAL DATA

Type	Rated Power		Current In (A)	Speed (r/min)	Efficiency η%	Power factor CosΦ	Locked-rotor current	Locked-rotor torque	Pull-out Torque	Minimum Torque	Noise dB(A)
	kW	HP					Rated current Ist/IN	Rated torque Tst/IN	Rated torque Tmax/TN	Rated torque Tmax/Tn	
YX2-90S-6	0.75	1	2.11	910	75.9	0.71	5.8	2.0	2.1	1.5	64
YX2-90L-6	1.1	1.5	2.97	910	78.1	0.72	5.9	2.0	2.1	1.3	64
YX2-100L-6	1.5	2	3.97	920	79.8	0.72	5.9	2.0	2.1	1.3	68
YX2-112M-6	2.2	3	5.68	935	81.8	0.72	6.2	2.0	2.1	1.3	72
YX2-132S-6	3.0	4	7.60	960	83.3	0.72	6.4	2.0	2.1	1.3	76
YX2-132M1-6	4.0	5.5	9.71	960	84.6	0.74	6.6	2.0	2.1	1.3	76
YX2-132M2-6	5.5	7.5	12.96	960	86.0	0.75	6.8	2.0	2.1	1.3	76
YX2-160M-6	7.5	10	16.75	970	87.2	0.78	6.8	2.0	2.1	1.3	80
YX2-160L-6	11	15	23.85	970	88.7	0.79	6.9	2.0	2.1	1.2	80
YX2-180L-6	15	20	31.0	970	89.7	0.82	7.3	2.0	2.1	1.2	79
YX2-200L1-6	18.5	25	38.9	980	90.4	0.80	7.2	2.0	2.1	1.2	79
YX2-200L2-6	22	30	45.4	980	90.9	0.81	7.3	2.0	2.1	1.2	79
YX2-225M-6	30	40	60.6	985	91.7	0.82	6.8	2.0	2.1	1.2	80
YX2-250M-6	37	50	73.5	980	92.2	0.83	7.0	2.0	2.1	1.2	82
YX2-280S-6	45	60	86.8	980	92.7	0.85	7.2	2.0	2.0	1.1	83
YX2-280M-6	55	75	104.4	980	93.1	0.86	7.2	2.0	2.0	1.1	83
YX2-315S-6	75	100	144.8	985	93.7	0.84	6.5	2.0	2.0	1.0	88
YX2-315M-6	90	125	171.1	985	94.0	0.85	6.6	2.0	2.0	1.0	88
YX2-315L1-6	110	150	208.5	985	94.3	0.85	6.6	2.0	2.0	1.0	88
YX2-315L2-6	132	180	246.5	985	94.6	0.86	6.6	2.0	2.0	1.0	88
YX2-355M1-6	160	215	298.2	990	94.8	0.86	6.7	2.0	2.0	1.0	89
YX2-355M2-6	200	270	371.9	990	95.0	0.86	6.8	2.0	2.0	0.9	89
YX2-355L-6	250	340	464.9	990	95.0	0.86	6.8	2.0	2.0	0.9	89
YX2-3552-6	315	340	585.8	990	95.0	0.86	6.8	2.0	2.0	0.8	95



YX3 SERIES (IE3) PREMIUM EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

YX3 series premium efficiency three-phase asynchronous motor is totally enclosed fan-cooled three-phase squirrel cage rotor induction motor, with high efficiency. energy saving, modern design, attractive appearance, low noise, high torque, low vibration, compact structure, reliability Advanced features, its power level and mounting dimensions in full compliance with IEC standards.

YX3 series premium efficiency three-phase asynchronous motors is to build a conservation-oriented society and the development of an energy efficient motor, its efficincy in full compliance GB1863 "Small and medium-phase asynchronous motor energy efficiency of limited value and energy efficiency rating" provision in the energy efficiency, insulation class uses class F structure, and a full range of temperature rise class B assessment, thus greatly improving the safety and reliability.

YX3 series premium efficiency three-phase induction motor rated voltage of 380V, rated frequency of 50Hz, protection class IP55, cooling method is IC411, continuous duty(S1), with a variety of installation form, can be widely applied to drive without special performance requirements various machinery and equipment, such as machine tools, pumps, fans, compressors, conveyors, mixers, agricultural, machinery metallurgical machinery, mining machinery.

YX3 SERIES (IE3) PREMIUM EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

TECHNICAL DATA

Type	Rated output kW	Rated speed rpm	Rated current A	Locked-rotor current / Rated current A	EFF %	Power factor cosΦ	Rated torque N.m	Locked-rotor Torque / Rated Torque Tst/TN	Pull-out Torque / Rated torque Tmax/Tn	M of 1 kgm²	Noise dB(A) No-load	Noise dB(A) Load
3000 min⁻¹(2poles) 50Hz												
YX3-80M1-2	0.75	2850	1.77	6.8	77.5	0.83	2.4	2.3	2.2	0.0010	67	69
YX3-80M2-2	1.1	2852	2.43	7.3	82.8		3.5			0.0014		
YX3-90S-2	1.5	2866	3.23	7.6	84.1	0.84	4.8			0.0020		
YX3-90L-2	2.2	2868	4.59	7.8	85.6	0.85	7.0			0.0026		
YX3-100L-2	3	2892	6.04	8.1	86.7	0.87	9.6			0.0036	71	73
YX3-112M-2	4	2914	7.88	8.3	87.6	0.88	12.7			0.0068	72	74
YX3-132S1-2	5.5	2922	10.7	8.0	88.6		17.5			0.0120	74	76
YX3-132S2-2	7.5	2925	14.5	7.8	89.5		23.9			0.0139		
YX3-160M1-2	11	2944	21.0	7.9	90.5		35.0			0.0461	76	78
YX3-160M2-2	15		28.0	8.0	91.3	0.89	47.8			0.0567		
YX3-160L-2	18.5	2945	34.4	8.1	91.8		58.9			0.0673		
YX3-180M-2	22	2964	40.7	8.2	92.2		70.0		2.0	0.0956	77	79
YX3-200L1-2	30	2969	55.1	7.5	92.9		95.5			0.1486	79	81
YX3-200L2-2	37		67.7		93.3		117.8			0.1741		
YX3-225M-2	45	2974	82.0	7.6	93.7		143.3			0.2704	81	83
YX3-250M-2	55		99.9		94.0		175.1		2.1	0.3738		
YX3-280S-2	75	2977	135.3	7.5	94.6		238.8		2.0	0.5885		
YX3-280M-2	90	2978	161.7		95.0		286.5			0.6915		
YX3-315S-2	110		195.5	7.1		0.90	350.2	2.2	1.8	1.3539	82.5	84.5
YX3-315M-2	132		233.6		94.4		420.2			1.4949		
YX3-315L1-2	160		280.0			0.91	509.3			1.6923		
YX3-315L2-2	200		350.0				636.7			1.9180		
YX3-355S1-2	(185)	2986	323.8				588.9			2.3164	87	89
YX3-355S2-2	(200)		350.0				636.7			2.6305		
YX3-355M1-2	(220)		384.6		95.5		700.3		1.6	2.6305		
YX3-355M2-2	250		437.1		95.8		795.8			3.1409		
YX3-355L1-2	(280)		488.0				891.3			3.1409		
YX3-355L2-2	315		549.0				1003			3.7691		
1500 min⁻¹(4poles) 50Hz												
YX3-80M1-4	0.55	1430	1.48	6.3	80.7	0.70	3.5	2.3	2.3	0.0020	58	63
YX3-80M2-4	0.75		1.98	6.5	82.3		4.8			0.0025		
YX3-90S-4	1.1		2.85	6.6	83.8		7.0			0.0031	55	60
YA3-90L-4	1.5		3.83	6.9	85.0		9.6			0.0041		
YX3-100L1-4	2.2	1452	5.16	7.5	86.4	0.75	14.0			0.0099	59	64
YX3-100L2-4	3		6.44	7.6	87.4	0.81	19.1			0.0130		
YX3-112M-4	4		8.39	7.7	88.3	0.82	25.5			0.0150	61	66
YX3-132S-4	5.5		11.4	7.5	89.2		35.0		2.0	0.0327	64	69
YX3-132M-4	7.5		15.2	7.4	90.1		47.8			0.0412		
YX3-160M-4	11	1473	22.1	7.5	91.0	0.83	70.0		2.2	0.0917	66	71
YX3-160L-4	15		29.9		91.8		95.5			0.1153		
YX3-180M-4	18.5		36.7	7.7	92.2		117.8			0.1555	69	73
YX3-180L-4	22		43.5	7.8	92.6		140.1			0.1814		
YX3-200L-4	30		56.9	7.2	93.2	0.86	191.0			0.3163	72	76
YX3-225S-4	37	1481	69.8	7.3	93.6		235.6			0.5361	73	
YX3-225M-4	45		84.7	7.4	93.9		286.5			0.6382		
YX3-250M-4	55		103.2		94.2		350.2			0.7089	74	77
YX3-280S-4	75	1488	138.3	7.2	94.7	0.87	477.5			1.5151	75	78
YX3--280M-4	90		165.5		95.0		573.0			1.8868		
YX3-315S-4	110	1491	199.1	7.0	95.4	0.88	700.3	2.2	2.1	3.1223	78.5	81.5
YX3-315M-4	132		238.9				840.4			3.4928		
YX3-315L1-4	160		286.3			0.89	1019			3.9161		
YX3-315L2-4	200		357.9				1273			5.3456		
YX3-355S1-4	(185)		331.1				1178			4.9795	82	84
YX3-355S2-4	(200)		357.9				1273			5.3456		
YX3-355M1-4	(220)		388.9		95.5	0.90	1401			6.0046		
YX3-355M2-4	250		440.6		95.8		1591			6.5172		
YX3-355L1-4	(280)		493.4				1782			7.3227		
YX3-355L2-4	315		555.1				2005			8.2015		

YX3 SERIES (IE3) PREMIUM EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

TECHNICAL DATA

Type	Rated output kW	Rated speed rpm	Rated current A	Locked-rotor current / Rated current A	EFF %	Power factor cosΦ	Rated torque N.m	Locked-rotor Torque / Rated Torque Tst/TN	Pull-out Torque / Rated torque Tmax/Tn	M of 1 kgm²	Noise dB(A) No-load	Noise dB(A) Load
1000 min⁻¹(6poles) 50Hz												
YX3-80M1-6	0.37	926	1.27	4.0	63.0	0.70	3.5	2.1	1.9	0.0021	56	63
YX3-80M2-6	0.55	928	1.54		75.4	0.72	5.3			0.0035		
YX3-90S-6	0.75	933	2.04	5.8	77.7		7.2		2.1	0.0043	52	59
YX3-90L-6	1.1		2.87	5.9	79.9	0.73	10.5			0.0056		
YX3-100L-6	1.5	936	3.78	6.0	81.5		14.3			0.0094	56	63
YX3-112M-6	2.2	959	5.42		83.4	0.74	21.0			0.0155	59	66
YX3-132S-6	3	974	7.26	6.2	84.9		28.7		2.0	0.0324	62	69
YX3-132M1-6	4		9.54	6.8	86.1		38.2			0.0410		
YX3-132M2-6	5.5		12.7	7.1	87.4	0.75	52.5	2.1		0.0529		
YX3-160M-6	7.5	978	16.4	6.7	89.0	0.78	71.6		2.1	0.1009	65	72
YX3-160L-6	11	979	23.5	6.9	90.0	0.79	105.1			0.1346		
YX3-180L-6	15	983	31.3	7.2	91.0	0.80	143.3		2.0	0.2390	66	
YX3-200L1-6	18.5	985	38.4		91.5		176.7		2.1	0.3489	69	75
YX3-200L2-6	22		44.9	7.3	92.0	0.81	210.1			0.4087		
YX3-225M-6	30	987	60.8	7.1	92.5		286.5		2.0	0.6525		
YX3-250M-6	37	988	72.0		93.0	0.84	353.4		2.1	0.8949	71	76
YX3-280S-6	45	991	85.0	7.2	93.5	0.86	429.8	2.0		1.6695	72	78
YX3-280M-6	55	992	103.6		93.8		525.3			1.9875		
YX3-315S-6	75	993	142.3	7.0	94.2	0.85	716.3		2.0	3.6566	73.5	78.5
YX3-315M-6	90		172.3		94.5	0.84	859.5			4.1488		
YX3-315L1-6	110	994	207.0	95.0		0.85	1051			5.0630		
YX3-315L2-6	132		245.5			0.86	1261			5.6255		
YX3-355S-6	160		294.1			0.87	1528		1.9	11.640	78	82
YX3-355M1-6	(185)		340.1				1767			12.513		
YX3-355M2-6	200	995	367.7				1910			13.386		
YX3-355L1-6	(220)		413.6				2149			15.132		
YX3-355L2-6	250		459.6				2388			16.878		
750 min⁻¹(8poles) 50Hz												
YX3-80M1-8	0.18	650	0.86	3.3	52.0	0.61	2.3	1.9	1.8	0.0027	52	60
YX3-80M2-8	0.25		1.13		55.0		3.2			0.0033		
YX3-90S-8	0.37	670	1.44	4.0	63.0	0.62	4.7	2.0		0.0043	48	56
YX3-90L-8	0.55		2.07		64.0	0.63	7.0			0.0056		
YX3-100L1-8	0.75	690	2.36		71.0	0.68	9.6			0.0068	51	59
YX3-100L2-8	1.1		3.32		73.0	0.69	14.0			0.0094		
YX3-112M-8	1.5		4.40		75.0		19.1			0.0140	53	61
YX3-132S-8	2.2	710	5.80	5.5	79.0	0.73	28.0	2.2		0.0307	56	64
YX3-132M-8	3.0		7.71		81.0		38.2			0.0410		
YX3-160M1-8	4.0	720	10.3	6.0			50.9		1.9	0.0635	60	68
YX3-160M2-8	5.5		13.4		83.0	0.75	70.0			0.0897		
YX3-160L-8	7.5	730	17.6		85.0	0.76	95.5			0.1271		
YX3-180L-8	11		25.3		87.0		140.1			0.2076	62	69
YX3-200L-8	15	740	33.7	6.5	89.0		191.0		2.0	0.3589	65	72
YX3-225S-8	18.5		40.0		90.0	0.78	235.6			0.5212		
YX3-225M-8	22		47.4		90.5		280.1			0.5863		
YX3-250M-8	30		63.4		91.0	0.79	382.0	2.0	1.9	0.9420	67	74
YX3-280S-8	37		77.8	6.0	91.5		471.1		1.8	1.5105	66	73
YX3-280M-8	45		94.1		92.0		573.0			1.8683		
YX3-315S-8	55		111.2	6.5	92.8	0.81	700.3			3.7947	69.5	75.5
YX3-315M-8	75		150.5		93.5		955.0			5.1972		
YX3-315L1-8	90		177.8		93.8	0.82	1146			6.2696		
YX3-315L2-8	110		216.8		94.0		1400			7.3420		
YX3-355S-8	132		259.6				1680			11.661	77	82
YX3-355M-8	160	742	314.7		94.2		2037			13.993		
YX3-355L1-8	185		363.9				2356			14.576		
YX3-355L2-8	200		387.4		94.5	0.83	2547			17.200		



KL SERIES PUMP MOTOR

TECHNICAL DATA

Franme reference and size	Rated Power		Full load current at rated voltage	Full load sreed in revolutions per minute	Frequency	Direct on line starting torque ratio	Direct on line pull out torque ratio	Direct on line starting current ratio	Efficiency	Power factor	Mean sound pressure level @1m on no load	Rotor inertia WK2
Type	Power		Amps (A)	Speed	Frequency	LRT/RLT	BDT/RLT	LRA/RLA	EFF.	P.F.	Noise	J
	kW	HP	380V	r/min	Hz				%	cosΦ	LwdB(A)	kgm^2
KL71M1-2	0.37	0.5	1.01	2755	50	2.2	2.3	6.1	69	0.81	64	0.00075
KL71M2-2	0.55	0.75	1.38	2790	50	2.3	2.3	6.1	74	0.82	64	0.0009
KL80M1-2	0.75	1	1.77	2845	50	2.3	2.2	6.1	75	0.83	67	0.0012
KL80M2-2	1.1	1.5	2.61	2835	50	2.3	2.2	6.9	76.2	0.84	67	0.0014
KL90S-2	1.5	2	3.46	2850	50	2.3	2.2	7	78.5	0.84	72	0.0029
KL90L-2	2.2	3	4.85	2855	50	2.3	2.2	7	81	0.85	72	0.0055
KL100L-2	3	4	6.34	2860	50	2.3	2.2	7.5	82.6	0.87	76	0.0109
KL112M-2	4	5.5	8.2	2880	50	2.3	2.2	7.5	84.2	0.88	77	0.0126
KL132S1-2	5.5	7.5	11.1	2900	50	2.3	2.2	7.5	85.7	0.88	80	0.0377
KL132S2-2	7.5	10	14.9	2900	50	2.3	2.2	7.5	87	0.88	80	0.0499

KELIANG 科良

福安市科良电机有限公司

FUAN KELIANG ELECTRICAL MACHINERY CO.,LTD.

地址: 中国福建省福安市秦溪洋工业区步兜亭43号

Add:No.43 Budouting, Qinxiyang, Fuan, Fujian, China

Tel: 0086-593-6511536 Fax: 0086-593-6511126

E-mail: sales@motors-world.com

WWW.MOTORS-WORLD.COM