



YX3

YX3系列三相异步电动机
THREE-PHASE ASYNCHRONOUS MOTOR

YX3系列三相异步电动机是全封闭自扇冷式鼠笼型转子三相异步电动机，具有高效、节能、设计新颖、造型美观、噪声低、高转矩、振动小、结构紧凑、可靠性高等特点，其功率等级及安装尺寸完全符合IEC标准。

YX3系列三相异步电动机是为了建设节约型社会而开发的一种高效节能电动机，其效率完全符合GB18613-2012《中小型三相异步电动机能效限定值及能效等级》中能效的规定，绝缘等级采用F级结构，且全系列温升按B级考核，从而大大提高了安全可靠。

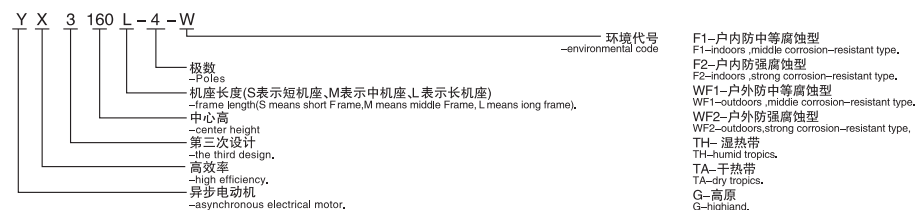
YX3系列三相异步电动机额定电压为380V，额定频率为50Hz，防护等级为IP55，冷却方式为IC411，连续工作制（S1），具有多种安装形式，可广泛应用于驱动无特殊性能要求的各种机械设备，如机床、水泵、风机、压缩机、运输机、搅拌机、农业机械、冶金机械、矿山机械等。

YX3 series 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 three-phase asynchronous motors is to build a conservation-oriented society and the development of an energy efficient motor, its efficiency in full compliance Gb18613 "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 three-phase asynchronous 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.

代号说明 Designation



技术数据 Technical data 2极-同步转速3000r/min 50Hz 2 pole-3000 rpm synchronous speed 50Hz

型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	噪声 dB(A)
同步转速 3000 r/min										
YX3-80M1-2	0.75	1.8	2855	77.4	0.82	2.5	2.2	7.0	2.3	62
YX3-80M2-2	1.1	2.5	2870	79.6	0.83	3.7	2.2	7.3	2.3	62
YX3-90S-2	1.5	3.3	2865	81.3	0.84	5.0	2.2	7.6	2.3	67
YX3-90L-2	2.2	4.7	2870	83.2	0.85	7.3	2.2	7.6	2.3	67
YX3-100L-2	3	6.2	2875	84.6	0.87	10.0	2.2	7.8	2.3	74
YX3-112M-2	4	8.0	2910	85.8	0.88	13.1	2.2	8.3	2.3	77
YX3-132S1-2	5.5	10.9	2935	87.0	0.88	17.9	2.0	8.3	2.3	79
YX3-132S2-2	7.5	14.5	2930	88.1	0.89	24.4	2.0	7.9	2.3	79
YX3-160M1-2	11	21.0	2950	89.4	0.89	35.6	2.0	8.1	2.3	81
YX3-160M2-2	15	28.4	2945	90.3	0.89	48.6	2.0	8.1	2.3	81
YX3-160L-2	18.5	34.7	2945	90.9	0.89	60.0	2.0	8.2	2.3	81
YX3-180M-2	22	41.1	2950	91.3	0.89	71.2	2.0	8.2	2.3	83
YX3-200L1-2	30	55.7	2960	92.0	0.89	96.8	2.0	7.6	2.3	84
YX3-200L2-2	37	68.3	2960	92.5	0.89	119	2.0	7.6	2.3	84
YX3-225M-2	45	82.7	2965	92.9	0.89	145	2.0	7.7	2.3	86
YX3-250M-2	55	101	2970	93.2	0.89	177	2.0	7.1	2.3	89
YX3-280S-2	75	137	2975	93.8	0.89	241	1.8	7.1	2.3	91
YX3-280M-2	90	163	2970	94.1	0.89	289	1.8	7.1	2.3	91
YX3-315S-2	110	197	2975	94.3	0.90	353	1.8	7.1	2.3	92
YX3-315M-2	132	236	2975	94.6	0.90	424	1.8	7.1	2.3	92
YX3-315L1-2	160	282	2975	94.8	0.91	514	1.8	7.2	2.3	92
YX3-315L-2	185	326	2975	94.8	0.91	594	1.8	7.2	2.3	92
YX3-315L2-2	200	352	2975	95.0	0.91	642	1.8	7.2	2.2	92
YX3-315L3-2	220	387	2975	95.0	0.91	706	1.8	7.2	2.2	92
YX3-355M1-2	220	387	2980	95.0	0.91	705	1.8	7.2	2.2	92
YX3-355M-2	250	439	2980	95.0	0.91	801	1.6	7.2	2.2	100
YX3-355L1-2	280	492	2980	95.0	0.91	897	1.6	7.2	2.2	100
YX3-355L-2	315	554	2980	95.0	0.91	1009	1.6	7.2	2.2	100
YX3-355L2-2	355	624	2980	95.0	0.91	1138	1.6	7.2	2.2	100
YX3-355L3-2	375	659	2980	95.0	0.91	1202	1.6	7.2	2.2	100

技术数据 Technical data 4极-同步转速1500r/min 50Hz 4pole-1500 rpm synchronous speed 50Hz

型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	噪声 dB(A)
同步转速 1500 r/min										
YX3-80M1-4	0.55	1.4	1430	79.0	0.75	3.7	2.3	6.0	2.3	56
YX3-80M2-4	0.75	1.9	1425	79.6	0.76	5.0	2.3	6.6	2.3	56
YX3-90S-4	1.1	2.7	1420	81.4	0.77	7.4	2.3	6.8	2.3	59
YX3-90L-4	1.5	3.5	1420	82.8	0.78	10.1	2.3	7.0	2.3	64
YX3-100L1-4	2.2	5.0	1430	84.3	0.80	14.7	2.3	7.6	2.3	64
YX3-100L2-4	3	6.6	1430	85.5	0.81	20.0	2.3	7.6	2.3	64
YX3-112M-4	4	8.7	1450	86.6	0.81	26.3	2.2	7.8	2.3	65
YX3-132S-4	5.5	11.6	1465	87.7	0.82	35.9	2.0	7.9	2.3	71
YX3-132M-4	7.5	15.5	1465	88.7	0.83	48.9	2.0	7.5	2.3	71
YX3-160M-4	11	22.4	1470	89.8	0.83	71.5	2.0	7.7	2.3	73
YX3-160L-4	15	29.9	1470	90.6	0.84	97.4	2.0	7.8	2.3	73
YX3-180M-4	18.5	36.3	1470	91.2	0.85	120	2.0	7.8	2.3	76
YX3-180L-4	22	42.9	1465	91.6	0.85	143	2.0	7.8	2.3	76
YX3-200L-4	30	58.1	1475	92.3	0.85	194	2.0	7.3	2.3	76
YX3-225S-4	37	70.5	1480	92.7	0.86	239	2.0	7.4	2.3	78
YX3-225M-4	45	85.4	1480	93.1	0.86	290	2.0	7.4	2.3	78
YX3-250M-4	55	104	1485	93.5	0.86	354	2.0	7.4	2.3	79
YX3-280S-4	75	139	1490	94.0	0.87	481	2.0	6.9	2.3	80
YX3-280M-4	90	165	1485	94.2	0.88	579	2.0	6.9	2.3	80
YX3-315S-4	110	199	1485	94.5	0.89	707	2.0	7.0	2.2	88
YX3-315M-4	132	238	1485	94.7	0.89	849	2.0	7.0	2.2	88
YX3-315L1-4	160	285	1485	94.9	0.90	1029	2.0	7.1	2.2	88
YX3-315L-4	185	329	1485	94.9	0.90	1190	2.0	7.1	2.2	88
YX3-315L2-4	200	355	1485	95.1	0.90	1286	2.0	7.1	2.2	88
YX3-355L3-4	220	391	1485	95.1	0.90	1415	2.0	7.1	2.2	88
YX3-355M1-4	220	391	1490	95.1	0.90	1410	2.0	7.1	2.2	95
YX3-355M-4	250	444	1490	95.1	0.90	1602	2.0	7.1	2.2	95
YX3-355L1-4	280	497	1490	95.1	0.90	1795	2.0	7.1	2.2	95
YX3-355L-4	315	559	1490	95.1	0.90	2019	2.0	7.1	2.2	95
YX3-355L2-4	355	645	1490	95.1	0.88	2275	1.7	7.0	2.2	95
YX3-355L3-4	375	681	1490	95.1	0.88	2404	1.7	7.0	2.2	95

技术数据 Technical data 6极-同步转速1000r/min 50Hz 6pole-1000 rpm synchronous speed 50Hz

型号 motor type	功率 kW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	噪声 dB(A)
同步转速 1000 r/min										
YX3-80M1-6	0.37	1.2	910	97.0	0.7	3.9	1.9	5.5	2.1	5.4
YX3-80M2-6	0.55	1.7	910	70.0	0.71	5.8	1.9	5.5	2.1	5.4
YX3-90S-6	0.75	2.1	935	75.9	0.71	7.7	2.0	6.0	2.1	5.7
YX3-90L-6	1.1	3.0	935	78.1	0.72	11.2	2.0	6.0	2.1	5.7
YX3-100L1-6	1.5	4.0	945	79.8	0.72	15.2	2.0	6.5	2.1	6.0
YX3-112M-6	2.2	5.7	965	81.8	0.72	21.8	2.0	6.6	2.1	65
YX3-132S-6	3	7.6	945	83.3	0.72	29.4	1.9	6.8	2.1	69
YX3-132M1-6	4	9.7	975	84.6	0.74	39.2	1.9	6.8	2.1	69
YX3-132M2-6	5.5	13.0	975	86.0	0.75	53.9	1.9	7.0	2.1	69
YX3-160M-6	7.5	16.8	975	87.2	0.78	73.5	2.0	7.0	2.1	70
YX3-160L-6	11	23.9	975	88.7	0.79	108	2.0	7.2	2.1	70
YX3-180L-6	15	31.8	980	89.7	0.80	146	1.9	7.3	2.1	73
YX3-200L1-6	18.5	38.9	980	90.4	0.80	180	1.9	7.3	2.1	73
YX3-200L2-6	22	45.4	980	90.9	0.81	214	1.9	7.4	2.1	73
YX3-225M-6	30	60.6	985	91.7	0.82	291	1.9	6.9	2.1	74
YX3-250M-6	37	73.5	985	92.2	0.8	359	1.9	7.1	2.1	76
YX3-280S-6	45	86.8	990	92.7	0.85	434	1.9	7.3	2.0	78
YX3-280M-6	55	104	990	93.1	0.86	531	1.9	7.3	2.0	78
YX3-315S-6	75	145	990	93.7	0.84	723	1.9	6.6	2.0	83
YX3-315M-6	90	171	990	94.0	0.85	868	1.9	6.7	2.0	83
YX3-315L1-6	110	209	990	94.3	0.85	1061	1.9	6.7	2.0	83
YX3-315L2-6	132	247	990	94.6	0.86	1273	1.9	6.8	2.0	83
YX3-315L3-6	160	298	990	94.8	0.86	1543	1.9	6.8	2.0	83
YX3-355M1-6	160	298	990	94.8	0.86	1543	1.9	6.8	2.0	85
YX3-315M-6	185	345	990	94.8	0.86	1785	1.9	6.8	2.0	85
YX3-315M2-6	200	372	990	95.0	0.86	1929	1.9	6.8	2.0	85
YX3-355L1-6	22	409	990	95.0	0.86	2122	1.9	6.8	2.0	85
YX3-355L-6	250	465	990	95.0	0.86	2412	1.9	6.8	2.0	85
YX3-355L2-6	280	521	990	95.0	0.86	2701	1.9	6.8	2.0	85
YX3-355L3-6	315	586	995	95.0	0.86	3023	1.9	6.8	2.0	85

技术数据 Technical data 8极-同步转速750r/min 50Hz 8 pole-750 rpm synchronous speed 50Hz

型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 T_{st} T_N	堵转电流 额定电流 I_{st} I_N	最大转矩 额定转矩 T_{max} T_N	噪声 dB(A)
同步转速 750 r/min										
YX3-80M1-8	0.18	0.8	700	52.8	0.61	2.5	1.8	3.3	1.9	52
YX3-80M2-8	0.25	1.1	700	57	0.61	3.4	1.8	3.3	1.9	52
YX3-90S-8	0.37	1.4	695	64	0.62	5.1	1.8	4.0	2.0	56
YX3-90L-8	0.55	2.0	695	67.5	0.63	7.6	1.8	4.0	2.0	56
YX3-100L1-8	0.75	2.3	705	71.5	0.68	10.2	1.8	4.0	2.0	59
YX3-100L2-8	1.1	3.3	705	74.5	0.69	14.9	1.8	4.0	2.0	59
YX3-112M-8	1.5	4.4	715	75.4	0.69	20.0	1.8	4.0	2.0	61
YX3-132S-8	2.2	6.0	730	78.2	0.71	28.8	1.8	5.5	2.2	64
YX3-132M-8	3	7.7	730	80.6	0.73	39.2	1.8	5.5	2.2	64
YX3-160M1-8	4	10.1	725	82.7	0.73	52.7	1.9	6.0	2.2	68
YX3-160M2-8	5.5	13.4	725	84.3	0.74	72.4	1.9	6.0	2.2	68
YX3-160L-8	7.5	17.7	730	85.8	0.75	98.1	1.9	6.0	2.2	68
YX3-180L-8	11	25.0	725	87.8	0.76	145	1.9	6.0	2.2	70
YX3-200L-8	15	33.7	730	89.0	0.76	196	2.0	6.5	2.2	73
YX3-225S-8	18.5	40.0	735	90.2	0.78	240	2.0	6.5	2.2	73
YX3-225M-8	22	47.4	735	90.5	0.78	286	2.0	6.5	2.2	73
YX3-250M-8	30	63.4	735	91	0.79	390	1.9	6.5	2.0	75
YX3-280S-8	37	77.8	740	91.5	0.79	478	1.8	6.0	2.0	76
YX3-280M-8	45	93.9	740	92.2	0.79	581	1.8	6.0	2.0	76
YX3-315S-8	55	111	740	93.1	0.81	710	1.8	6.5	2.0	82
YX3-315M-8	75	151	740	93.2	0.81	968	1.8	6.5	2.0	82
YX3-315L1-8	90	181	740	93.2	0.81	1161	1.8	6.5	2.0	82
YX3-315L2-8	110	218	740	93.5	0.82	1420	1.8	6.5	2.0	82
YX3-355M1-8	132	261	745	93.7	0.82	1692	1.8	6.5	2.0	90
YX3-355M2-8	160	314	745	94.3	0.82	2051	1.8	6.5	2.0	90
YX3-355L1-8	185	364	745	94.3	0.82	2371	1.8	6.5	2.0	90
YX3-355L-8	200	392	745	94.5	0.82	2564	1.8	6.5	2.0	90
YX3-355L2-8	220	431	745	94.5	0.82	2820	1.8	6.5	2.0	90
YX3-355L3-8	250	484	745	94.5	0.83	3205	1.8	6.5	2.0	90



YE2

YE3 系列高效节能型三相异步电动机

SERIES HIGH EFFICIENT ENERGY-SAVING THREE-PHASE ASYNCHRONOUS MOTOR

YE2系列高效节能三相异步电动机是一般用途高效率低压三相鼠笼型异步电动机。该系列电动机座范围80~355mm。
YE2系列电动机适用于启动转矩相对较小，启动频率次数相对较少，负载率较高，连续运行时间相对较长的使用场合。如风机、水泵类的配套需要。具有高效节能、振动小、噪声小、寿命长、性质能良、维护方便等优点，其安装尺寸和功率等级符合IEC标准。采用F级绝缘，外壳防护等级为IP54、IP55，冷却方式为IC411。

YE2系列电动机在下列条件下使用：（特殊环境条件敬请用户在订货时注明）
环境空气温度：随季节变化，但不超过40℃
海拔：不超过1000m
频率：50Hz（或根据需要为60Hz）
电压：380V（也可根据用户需要设计为400V、415V、420V等等）
工作方式：S1（连续）
接法：3kW以下为Y接法，4kW及以后△为接法
定子绕组温升限值（电阻法）：按80K考核。（其中315L2-2、4和355机座全部105K考核）

YE2 series of high-performance energy-saving three-phase asynchronous motor is a general purpose high-efficiency low-voltage three-phase squirrel cage induction motor. The series motor seat range of 80 ~ 355mm.

YE2 series motors are suitable for applications where the starting torque is relatively small, the starting frequency is relatively small, the load factor is high, and the continuous running time is relatively long. Such as fans, pumps and other supporting needs. It has the advantages of high efficiency, energy saving, small vibration, low noise, long life, good property and easy maintenance. Its installation size and power grade accord with IEC standard. Using F-class insulation, housing protection class IP54, IP55, cooling method IC411.

YE2 series motor under the following conditions: (special environmental conditions please note when the user orders)
Ambient air temperature: varies with the seasons, but not more than 40℃
Altitude: not more than 1000m
Frequency: 50 Hz (or 60 Hz as needed)
Voltage: 380V (can also be designed according to user needs for 400V, 415V, 420V, etc.)
Working mode: S1 (continuous)
Connection: 3kW following Y connection, 4kW and later for the connection
Stator winding temperature rise limit (resistance method): According to 80K assessment, (including 315L2-2, 4, and 355 seat all 105K assessment)

代号说明 Designation

