

## YE4 series super high efficiency three-phase asynchronous motor



**General purpose**  
**IEC standard AC Motor**  
**IE4, YE4**  
**IC411**

**Summary**

- Frame Size: H80~H355
- Rated Power: 0.75~375kW
- Rated Voltage: 380V, 660V
- Rated Frequency: 50HZ/60HZ
- Poles: 2p,4p,6p,8p,10p
- Protection Degree: IP44, IP54, IP55
- Insulation Class: F/H
- Cooling Method: IC411
- Duty: S1
- Efficiency Class: IEC60034-30-1:IE4
- Cast copper rotor series: YZTE4-80~180
- Cast aluminum rotor series: YE4-132~355

**Product introduction**

The YE4 series three-phase induction motors are totally a new material Full closed and self fan cooling made of material, new process and optimum design Squirrel cage three-phase asynchronous motor. It is the new generation of energy saving motor. YE4 series motor center from H80-H355, power from 0.75KW-375KW, series of 2,4,6,8.

YE4 series of motor protection level is IP54, IP55, cooling mode IC411, the installation size accords with IEC standard. The rated voltage is 380V, The rated frequency is 50HZ. The temperature of the working environment is not more than 40 °C not more than 1000 meters. The way of work: continuous (S1).

The series motor have high efficiency, the starting torque is large, the noise is low, the structure is more reasonable, cooling and cooling conditions are mature, and this series of motors are three phase asynchronous of general purpose. An electric motor that can be used to drive all kinds of general mechanical equipment, such as compression machinery, fan, water pump and other mechanical equipment, also in oil, chemical industry, medicine, mines and others (if the conditions are special, please Designers contact).

Based on YE4 basic series motor, it can also be made into YE4-W outdoor type, YE4-TH indoor humid tropics type, YE4-WTH outdoor humid tropics type, YE4-TA indoor dry tropics type, YE4-TAW outdoor dry tropics type, YE4-F1 indoor moderately corrosion environment, YE4-WF1 outdoor moderately corrosion environment, YE4-F2 indoor strong corrosion environment and YE4-WF2 outdoor strong corrosion environment.

Table of Frame size-poles/speed-output, Connecting size

Induction Electric Motors Type YE4														
Height of an axis, mm	Power, kW at frequency of rotation				The size of a shaft, mm at frequency of rotation		The connecting sizes, mm							
	2p=2	2p=4	2p=6	2p=8	2p=2	others	B	C	A	K	M	nxS	P	N
H	3000 min -1	1500 min -1	1000 min -1	750 min -1	DxE		B	C	A	K	M	nxS	P	N
80M1	0.75	x	x	x	19x40		100	50	125	10	165	4x12	200	130
80M2	1.1	0.75	x	x										
90S	1.5	1.1	0.75	x	24x50		100	56	140	10	165	4x12	200	130
90L	2.2	1.5	1.1	x			125							
100L	3	2.2/3	1.5	0.75/1.1	28x60		140	63	160	12	215	4x14.5	250	180
112M	4	4	2.2	1.5	28x60		140	70	190	12	215	4x14.5	250	180
132S	5.5/7.5	5.5	3	2.2	38x80		140	89	216	12	265	4x14.5	300	230
132M	x	7.5	4/5.5	3			178							
160M	11/15	11	7.5	4/5.5	42x110		210	108	254	14.5	300	4x18.5	350	250
160L	18.5	15	11	7.5			254							
180M	22	18.5	x	x	48x110		241	121	279	14.5	300	4x18.5	350	250
180L	x	22	15	11			279							
200L	30/37	30	18.5/22	15	55x110		305	133	318	18.5	350	4x18.5	400	300
225S	x	37	x	18.5	55x110	60x140	286	149	356	18.5	400	8x18.5	450	350
225M	45	45	30	22			311							
250M	55	55	37	30	60x140	65x140	349	168	406	24	500	8x18.5	550	450
280S	75	75	45	37	65x140	75x140	368	190	457	24	500	8x18.5	550	450
280M	90	90	55	45			419							
315S	110	110	75	55			406							
315M	132	132	90	75	65x140	80x170	457	216	508	28	600	8x24	660	550
315L	160/200	160/200	110/132	90/110			508							
355M	250	250	160/200	132/160	75x140	95x170	560	254	610	28	740	8x24	800	680
355L	315	315	250	200			630							
355	355/375	355/375	315	x	80x170	110x210	800	224	630	35	840	8x24	900	780

