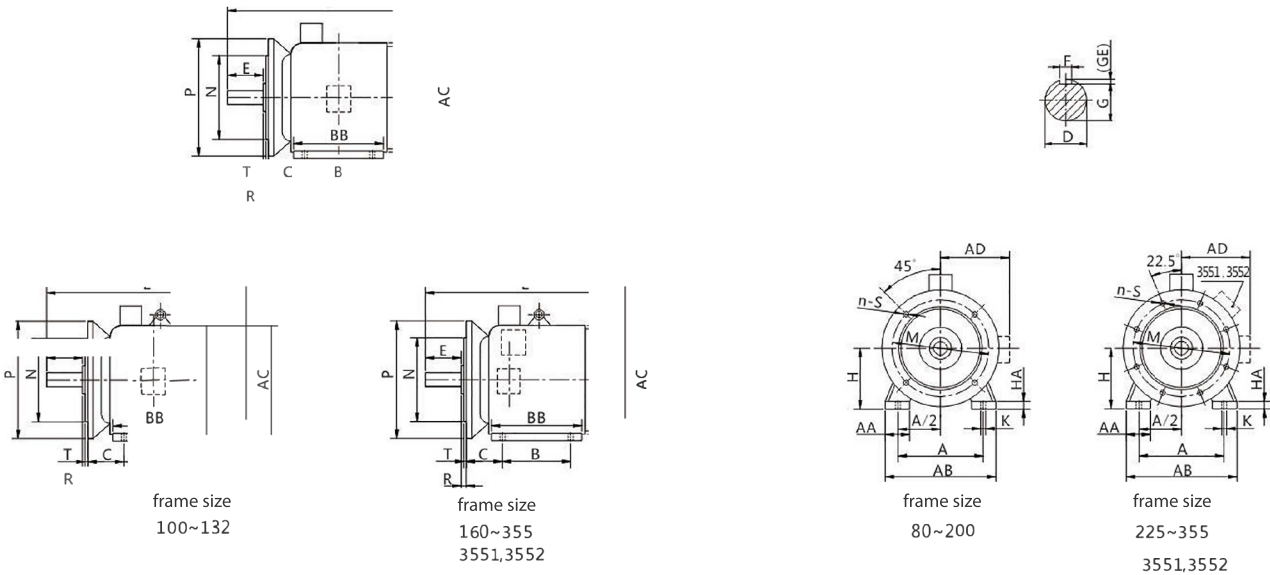


Appendix I-2, YE3 series motor external dimensions and installation sizes

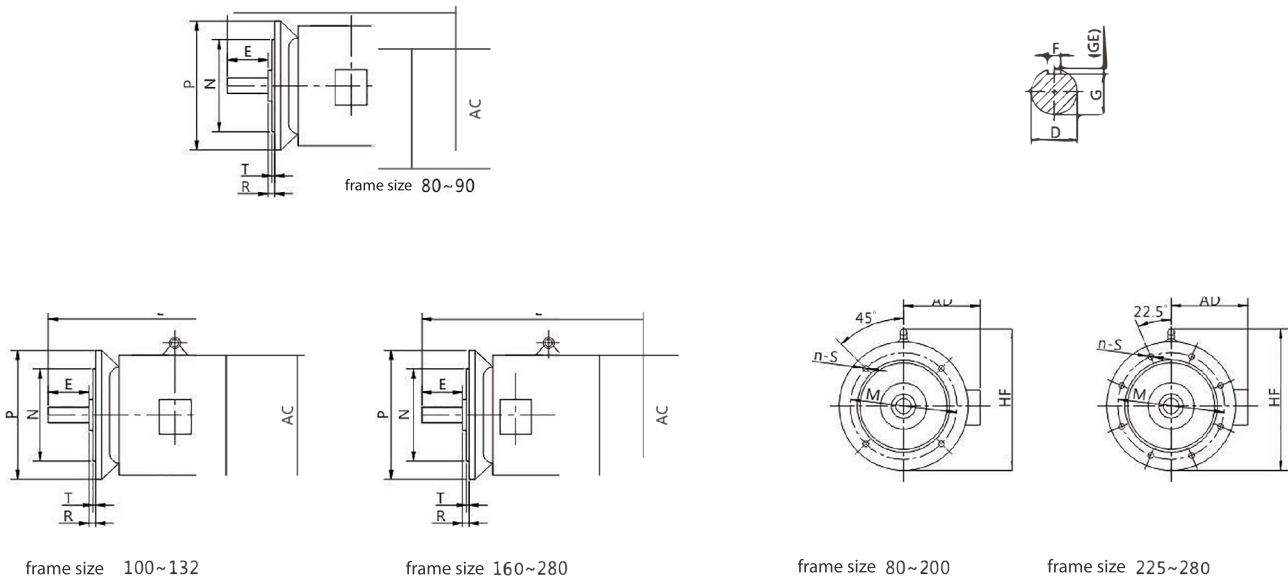


An electric motor with a frameless (without feet) body and an end shield with a protruding flange

Unit:mm

		Mounting Dimension														Figure size									
Frame	Poles	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L	
80M	2.4.6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Φ12	3.5	34	135	10	165	175	145	230	305	
90S	2.4.6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	3.5	36	140	12	180	195	155	260	360	
90L	2.4.6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	3.5	36	165	12	180	195	155	260	390	
100L	2.4.6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Φ14.5	4	40	176	14	205	215	180	280	435	
112M	2.4.6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Φ14.5	4	45	180	14	230	240	190	300	470	
132S	2.4.6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Φ14.5	4	55	186	18	270	275	210	345	510	
132M	2.4.6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Φ14.5	4	55	224	18	270	275	210	345	560	
160M	2.4.6	254	210	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ18.5	5	65	260	20	320	330	255	420	670	
160L	2.4.6	254	254	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ18.5	5	65	304	20	320	330	255	420	700	
180M	2.4.6	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ18.5	5	70	311	22	355	380	280	455	740	
180L	2.4.6	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ18.5	5	70	349	22	355	380	280	455	790	
200L	2.4.6	318	305	133	55	110	16	49	200	18.5	350	300	400	0	4-Φ18.5	5	70	369	26	395	420	305	505	790	
225S	4	356	286	149	60	140	18	53	225	18.5	400	350	450	0	8-Φ18.5	5	75	368	28	435	470	355	560	830	
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	8-Φ18.5	5	75	393	28	435	470	355	560	825	
	4.6				60	140	18	53						0				393	28					855	
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Φ18.5	5	80	445	30	490	510	370	615	915	
	4.6				65	140	18	58						0				445	30						
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Φ18.5	5	85	485	35	550	580	410	680	985	
	4.6				75	140	20	67.5						0				485	35						
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Φ18.5	5	85	536	35	550	580	410	680	1035	
	4.6				75	140	20	67.5						0				536	35						
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	120	570	45	635	645	530	845	1180	
	4.6				80	170	22	71						0				570	45					1290	
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	120	680	45	635	645	530	845	1320	
	4.6				80	170	22	71						0				680	45					1320	
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	120	680	45	635	645	530	845	1210	
	4.6				80	170	22	71						0				680	45					1320	
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ24	6	120	750	52	730	710	655	1010	1500	
	4.6				95	170	25	86						0				750	52					1530	
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ24	6	120	750	52	730	710	655	1010	1500	
	4.6				95	170	25	86						0				750	52					1530	
3551	2	630	800	224	80	170	22	71	355	35	840	780	900	0	8-Φ24	6	-	-	-	760	900	760	1130	1870	
3552	4.6				110	210	28	100						0				-	-					1920	

Appendix I-3, YE3 series motor external dimensions and installation sizes

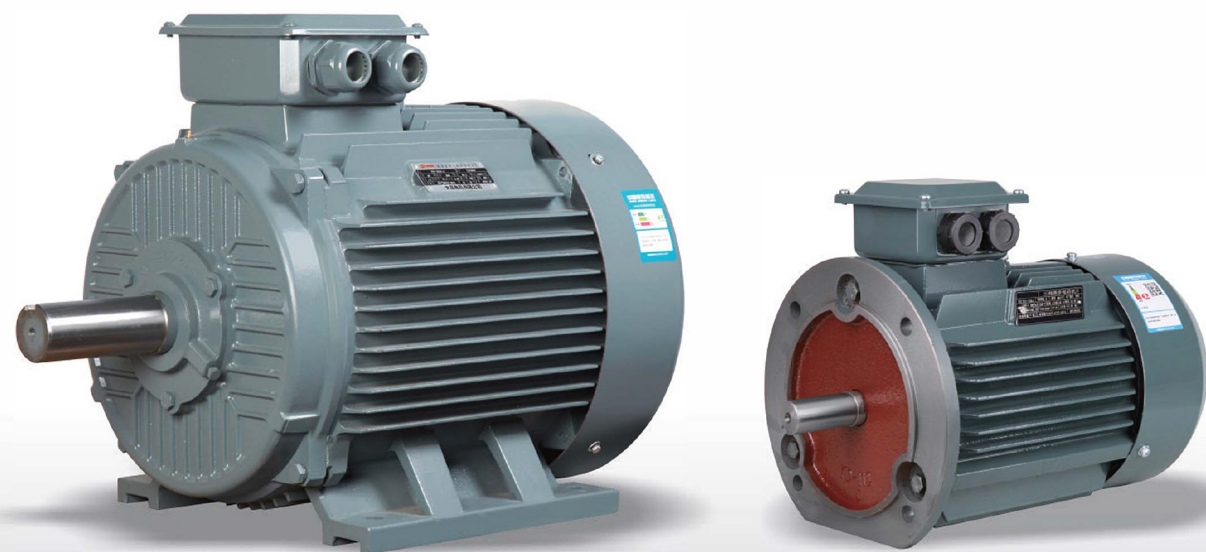


An electric motor with a frameless (without feet) body and an end shield with a protruding flange

Unit:mm

Mounting Dimension											Figure size					
Frame	Poles	D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L	
80M	2.4.6	19	40	6	15.5	165	130	200	0	4-Φ12	3.5	4	175	145	185	305
90S	2.4.6	24	50	8	20	165	130	200	0	4-Φ12	3.5	4	195	155	195	360
90L	2.4.6	24	50	8	20	165	130	200	0	4-Φ12	3.5	4	195	155	195	390
100L	2.4.6	28	60	8	24	215	180	250	0	4-Φ14.5	4	4	215	180	245	435
112M	2.4.6	28	60	8	24	215	180	250	0	4-Φ14.5	4	4	240	190	265	470
132S	2.4.6	38	80	10	33	265	230	300	0	4-Φ14.5	4	4	275	210	315	510
132M	2.4.6	38	80	10	33	265	230	300	0	4-Φ14.5	4	4	275	210	315	550
160M	2.4.6	42	110	12	37	300	250	350	0	4-Φ18.5	5	4	330	255	385	730
160L	2.4.6	42	110	12	37	300	250	350	0	4-Φ18.5	5	4	330	255	385	760
180M	2.4.6	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	4	380	280	430	770
180L	2.4.6	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	4	380	280		800
200L	2.4.6	55	110	16	49	350	300	400	0	4-Φ18.5	5	4	420	305	480	860
225S	4	60	140	18	53	400	350	450	0	8-Φ18.5	5	8	470	335	535	830
225M	2	55	110	16	49	400	350	450	0	8-Φ18.5	5	8	470	335	535	830
	4.6	60	140	18	53											860
250M	2	60	140	18	53	500	450	550	0	8-Φ18.5	5	8	510	370	595	990
	4.6	65	140	18	58											
280S	2	65	140	18	58	500	450	550	0	8-Φ18.5	5	8	580	410	650	990
	4.6	75	140	20	67.5											
280M	2	65	140	18	58	500	450	550	0	8-Φ18.5	5	8	580	410	650	1040
	4.6	75	140	20	67.5											

Frame size	Poles	Mounting Dimension											Figure size						
		A	A/2	B	C	D	E	F	G	H	K	AA	BB	AB	AC	AD	HD	L	
80M	2.4.6	125	62.5	100	50	19	40	6	16	80	10	34	135	165	175	145	220	360	
90S		140	70		125	56	24	50	8	20		90	36	140	180	195	155	250	430
90L				36									165	460					
100L		160	80	140	63	28	60	24			100		40	176	205	215	180	270	500
112M		190	95		70				112	45	180	230	240	190	300	530			
132S		216	108	178	89	38	80	10	33	132	12	55	186	270	275	210	345	560	
132M												55	224					610	
160M		254	127	210	108	42	110	12	37	160	15	65	260	320	330	255	420	740	
160L				254								65	304					780	
180M		279	140	241	121	48		14	43	180		200	70	311	355	380	280	455	820
180L	279			70			349												
200L	318	159	305	133	55	16	49	200	70	369	395		420	305	505	895			
225S	4	356	178	286	149	60	140	18	53	225	19	75	368	435	470	335	560	905	
225M	2			311		55	110	16	49				393					900	
	4.6				60	140	53	250	24				85					393	930
250M	2	406	203	349	168					18	58	80		445	490	510	370	615	990
	4.6			65	75		20							68					
280S	2	457	229	368	190	75	20	68	280	28	85	485	550	580	410	680	1135		
	4.6																	65	18
280M	2			419		75		65				140					18	58	20
	4.6	65	18		58		570												
315S	2	508	254	406	216	65	170	22	58	355	28	120	570	635	645	530	845	1235	
	4.6					80		71	570				1345						
315M	2			457		560	254	65	140				18					58	315
	4.6	80	170		22			71	680	1375									
315L	2	508	560	254	65	140		18	58	355	28	120	680	730	710	655	1010	1265	
	4.6				80	170	22	71	680				1375						
355M	2	610	305		560	254	75	140	20				68					355	28
355M	4.6			95			170	25	86	750	1590								
355L	2			630	560		254	75	140	20	68	355	28	120	750	730	710		
	4.6	95	170			25		86	750	1590									



YE3

Series super high efficiency three phase asynchronous motor

YE3 series motor is developed with high efficiency in order to meet the requirements of the national energy conservation and emission reduction. It has advantages of high efficiency, low noise and good starting performance. It's widely used in the occasions of no special requirements, also as power mating of mechanical equipments such as compressor, pump, fan industries and so on.

TECHNICAL PARAMETERS

1.1. Basic characteristics

Centre height of frame size: 80-355mm

Power range: 0.55-375kw

Rated voltage and frequency: 380V 50HZ (special should order)

Protection class: IP55

Insulation class: 155 (F)

Duty type: S1 (continuous), allows starting with full voltage)

Type of cooling: IC411

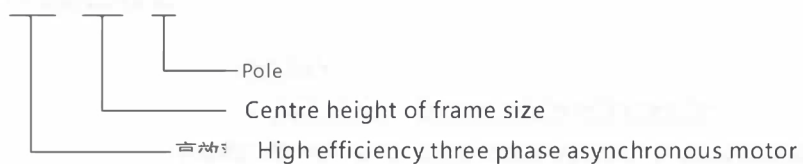
Power 3kw and below is star-connection; Power above 3kw is delta-connection.

2. Conditions of usage

If any special please mention when placing order.

Working ambient temperature: -15~40 degree centigrade.

The altitude: not above 1000m.



380V

TYPE									TYPE								
	kW	r/min	A	η(%)	COSφ	Ist/I _N	Tst/T _N	Tmax/T _N		kW	r/min	A	η(%)	COSφ	Ist/I _N	Tst/T _N	Tmax/T _N
synchronous speed 3000r/min									synchronous speed 1000r/min								
YE3-63M1-2	0.18	2740	0.52	65.9	0.8	7.0	2.3	2.2	YE3-71M1-6	0.18	875	0.65	63.9	0.66	6.0	1.9	2
YE3-63M2-2	0.25		0.67	69.7	0.81				YE3-71M2-6	0.25	875	0.81	68.6	0.68			
YE3-71M1-2	0.37	2780	0.94	73.8	0.81			7.6	2.2	2.2	YE3-80M1-6	0.37	900	1.09	73.5	0.70	1.9
YE3-71M2-2	0.55		1.31	77.8	0.82	YE3-80M2-6	0.55				900	0.5	77.2	0.72			
YE3-80M1-2	0.75	2850	1.7	80.7	0.82	7.9	2.0			2.3	YE3-90S-6	0.75	930	2	78.9	0.71	2.1
YE3-80M2-2	1.1		2.4	82.7	0.83			YE3-90L-6	1.1		930	2.8	81.0	0.73			
YE3-90S-2	1.5	2890	3.2	84.2	0.84			8.5	1.8	2.2	YE3-100L-6	1.5	950	3.8	82.5	0.73	2
YE3-90L-2	2.2		4.6	85.9	0.85	YE3-112M-6	2.2				960	5.4	84.3	0.74			
YE3-100L-2	3	2910	6.0	87.1	0.87	8.0	1.6			2.2	YE3-132S-6	3	970	7.2	85.6	0.74	2
YE3-112M-2	4		7.8	88.1	0.88			YE3-132M1-6	4		970	9.5	86.8	0.74			
YE3-132S1-2	5.5	2920	10.6	89.2	0.88			7.5	1.8	2.2	YE3-132M2-6	5.5	970	12.7	88.0	0.75	1.9
YE3-132S2-2	7.5		14.4	90.1	0.88	YE3-160M-6	7.5				975	16.2	89.1	0.79			
YE3-160M1-2	11	2940	20.6	91.2	0.89	7.5	1.8			2.2	YE3-160L-6	11	975	23.1	90.3	0.8	2
YE3-160M2-2	15		27.9	91.9	0.89			YE3-180L-6	15		980	30.9	91.2	0.81			
YE3-160L-2	18.5	2955	34.2	92.4	0.89			7.5	1.8	2.2	YE3-200L1-6	18.5	980	37.8	91.7	0.81	2
YE3-180M-2	22		40.5	92.7	0.89	YE3-200L2-6	22				980	44.8	92.2	0.81			
YE3-200L1-2	30	2960	54.9	93.3	0.89	7.5	1.8			2.2	YE3-225M-6	30	985	59.1	92.9	0.83	2
YE3-200L2-2	37		67.4	93.7	0.89			YE3-250M-6	37		985	71.7	93.3	0.84			
YE3-225M-2	45	2965	80.8	94.0	0.90			7.5	1.8	2.2	YE3-280S-6	45	990	85.8	93.7	0.85	2
YE3-250M-2	55		98.5	94.3	0.90	YE3-280M-6	55				990	103	94.1	0.86			
YE3-280S-2	75	2975	134	94.7	0.90	7.5	1.8			2.2	YE3-315S-6	75	990	143	94.6	0.84	2
YE3-280M-2	90		160	95.0	0.90			YE3-315L1-6	110		990	207	95.1	0.85			
YE3-315S-2	110	2980	195	95.2	0.90			7.5	1.8	2.2	YE3-315L2-6	132	990	224	95.4	0.86	2
YE3-315M-2	132		234	95.4	0.90	YE3-355M1-6	160				992	296	95.6	0.86			
YE3-315L1-2	160	2980	279	95.6	0.91	7.5	1.8			2.2	YE3-355M2-6	200	992	365	95.8	0.87	2
YE3-315L2-2	200		349	95.8	0.91			YE3-355L-6	250		992	456	95.8	0.87			
YE3-355M-2	250	2982	436	95.8	0.91			7.5	1.8	2.2	synchronous speed 750r/min						
YE3 355L 2	315		549	95.8	0.91	YE3-80M1-8	0.18				660	0.5	58.7	0.61	5.2	1.9	
synchronous speed 1500r/min										YE3-80M2-8	0.25	660	1.0	64.1	0.61		5.7
YE3-63M1-4	0.12	1340	0.39	64.8	0.72	6.6	2.1	2.2	YE3-90S-8	0.37	680	1.3	70.1	0.61	6.2	2.0	
YE3-63M2-4	0.18	1340	0.54	69.9	0.73				YE3-90L-8	0.55	680	1.9	73.0	0.61	5.9		
YE3-71M1-4	0.25	1355	0.70	73.5	0.74			6.8	2.3	2.2	YE3-100L1-8	0.75	690	2.3	75.0	0.67	2.0
YE3-71M2-4	0.37	1355	0.97	77.3	0.75	YE3-100L2-8	1.1				690	3.1	77.7	0.69	6.2		
YE3-80M1-4	0.55	1430	1.38	80.8	0.75	7.6	2.0			2.3	YE3-112M-8	1.5	695	4.1	79.7	0.70	2.0
YE3-80M2-4	0.75	1430	1.8	82.5	0.75			YE3-132S-8	2.2		710	5.7	81.9	0.71			
YE3-90S-4	1.1	1435	2.6	84.1	0.76			7.8	2.2	2.3	YE3-132M-8	3	710	7.5	83.5	0.73	2.0
YE3-90L-4	1.5	1435	3.5	85.3	0.77	YE3-160M1-8	4				720	9.8	84.8	0.73			
YE3-100L1-4	2.2	1450	4.8	86.7	0.81	7.8	2.0			2.3	YE3-160M2-8	5.5	720	13.1	86.2	0.7	2.0
YE3-100L2-4	3	1450	6.3	87.7	0.82			YE3-160L-8	7.5		720	17.4	87.3	0.75			
YE3-112M-4	4	1455	8.4	88.6	0.82			7.8	2.0	2.3	YE3-180L-8	11	725	25.2	88.6	0.75	2.0
YE3-132S-4	5.5	1460	11.2	89.6	0.83	YE3-200L-8	15				730	33.5	89.6	0.76			
YE3-132M-4	7.5	1460	15.0	90.4	0.84	7.8	2.0			2.3	YE3-225S-8	18.5	735	41.0	90.1	0.76	2.0
YE3-160M-4	11	1470	21.5	91.4	0.85			YE3-225M-8	22		735	47.3	90.6	0.78			
YE3-160L-4	15	1470	28.8	92.1	0.86			7.8	2.0	2.3	YE3-250M-8	30	735	63.2	91.3	0.79	2.0
YE3-180M-4	18.5	1475	35.3	92.6	0.86	YE3-280S-8	37				740	77.5	91.8	0.79			
YE3-180L-4	22	1475	41.8	93.0	0.86	7.8	2.0			2.3	YE3-280M-8	45	740	93.9	92.2	0.79	2.0
YE3-200L-4	30	1475	56.6	93.6	0.86			YE3-315S-8	55		740	112	92.5	0.81			
YE3-225S-4	37	1480	69.6	93.9	0.86			7.8	2.0	2.3	YE3-315M-8	75	740	151	93.1	0.81	2.0
YE3-225M-4	45	1480	84.4	94.2	0.86	YE3-315L1-8	90				740	179	93.4	0.82			
YE3-250M-4	55	1482	103	94.6	0.86	7.8	2.0			2.3	YE3-315L2-8	110	740	218	93.7	0.82	2.0
YE3-280S-4	75	1485	136	95.0	0.88			YE3-355M1-8	132		742	260	94.0	0.82			
YE3-280M-4	90	1485	163	95.2	0.88			7.8	2.0	2.3	YE3-355M2-8	160	742	314	94.3	0.82	2.0
YE3-315S-4	110	1488	197	95.4	0.89	YE3-355L-8	200				742	387	94.6	0.83			
YE3-315M-4	132	1488	236	95.6	0.89	7.8	2.0			2.3	synchronous speed 600r/min						
YE3-315L1-4	160	1488	285	95.8	0.89			YE3-315S-10	45		590	99	92.0	0.75	1.5		
YE3-315L2-4	200	1488	352	96.0	0.90			YE3-315M-10	55	590	121	92.0	0.75	1.5			
YE3-355M-4	250	1490	440	96.0	0.90	7.1	2.0	2.2	YE3-315L1-10	75	590	162	92.8		0.76	2.0	
YE3-355L-4	315	1490	554	96.0	0.90				YE3-315L2-10	90	590	191	93	0.77			
									YE3-355M1-1	110	592	230	93.3	0.78			
									YE3-355M2-1	132	592	274	93.8	0.78			
									YE3-355L-1	160	592	332	93.8	0.78			