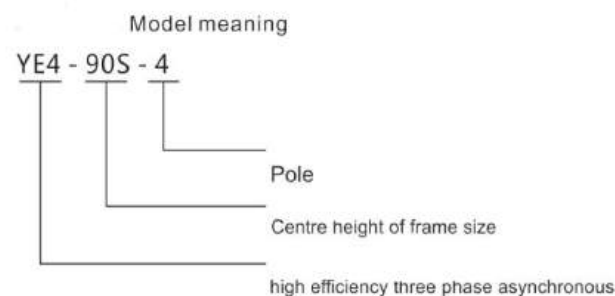


YE4 Series high efficiency three phase asynchronous motor



YE4 Series motor is developed with high efficiency in order to meet the requirements of the national energy conservation and emission reduction and market demand. It has many advantages such as strong load bearing, high efficiency, low noise, high torque, good starting performance, compact structure and easy maintenance. It's widely used in various fields of national economy: machine tool, pump, fan industries, compressor and etc., also in transportation, mixing, printing, agricultural machinery, food industry and so on. (Places don't have flammable and corrosive gas.)



Structure and Installation Method

Frame size	Structure and Installation Method
80-160	B3, B5, B6, B14, B34, B35, V1, V3, V5, V6, V15
180-280	B3, B5, B35, V1
315-450	B3, B35, V1

Technical parameters

- Basic characteristics
 - 80-450mm
 - 0.55-1000kW;
 - 380V50Hz
 - IP 55
 - 155 (F)
 - S1
 - IC411

- Conditions of usage
 - 15°C~+40°C
 - 1000

Working ambient temperature: -15°C~40°C
 The altitude: not above 1000m
 If any special please mention when placing order.

Centre height of frame size: 80-450mm
 Power range: 0.55-1000kw
 Rated voltage and frequency: 380V 50Hz (special should order)
 Protection class: IP55
 Insulation class: 155(F)
 Duty type: S1
 Type of cooling: IC411
 Power 3kw and below is star-connection;
 Power above 3kw is delta-connection.

Technical data

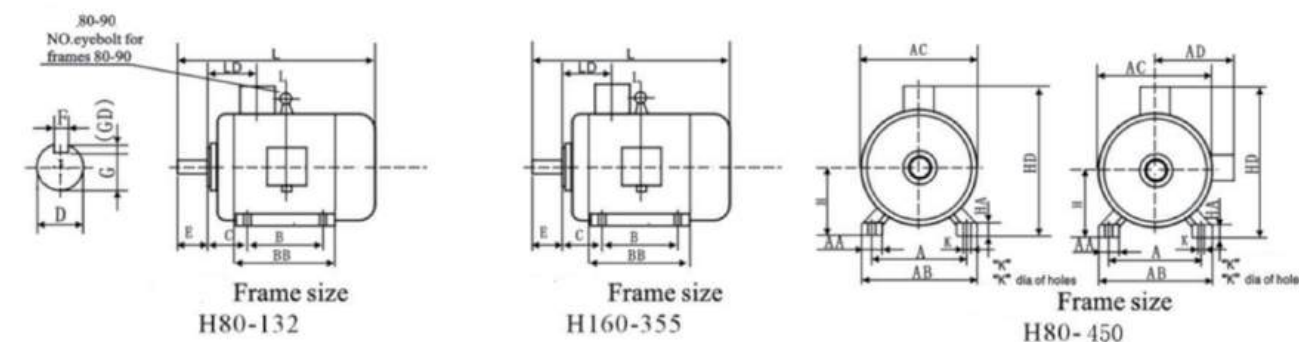
Type	kW	r/min	A	η(%)	COSΦ	Ist/I _N	Ist/I _N	I _{max} /I _N
同步转速 synchronous speed 3000r/min								
YE4-80M1-2	0.75	2850	1.6	83.5	0.83	8.5	2.2	2.3
YE4-80M2-2	1.1		2.4	85.2	0.83			
YE4-90S-2	1.5		3.1	86.5	0.85			
YE4-90L-2	2.2	2890	4.4	88	0.86	9.0	2.0	2.3
YE4-100L-2	3		5.9	90.4	0.87			
YE4-112M-2	4		7.7	90	0.88			
YE4-132S1-2	5.5	2920	10.4	90.9	0.89	9.5	2.0	2.3
YE4-132S2-2	7.5		14.0	91.7				
YE4-160M1-2	11		20.3	92.6				
YE4-160M2-2	15	2940	27.4	93.3	0.89	9.0	1.8	2.2
YE4-160L-2	18.5		33.7	93.7				
YE4-180M-2	22		40.0	94.0				
YE4-200L1-2	30	2960	54.2	94.5	0.91	8.5	0.9	1.8
YE4-200L2-2	37		66.6	94.8				
YE4-225M-2	45		80.9	95.0				
YE4-250M-2	55	2970	98.5	95.3	0.91	8.6	0.8	1.8
YE4-280S-2	75		134	95.6				
YE4-280M-2	90		160	95.8				
YE4-315S-2	110	2980	196	96.0	0.90	8.7	0.6	1.8
YE4-315M-2	132		234	96.2				
YE4-315L1-2	160		284	96.3				
YE4-315L2-2	200	2982	354	96.5	0.91	8.0	0.6	1.8
YE4-355M-2	250		432.5	96.5				
YE4-355L-2	315		545	96.5				
YE4-3551-2	355	2985	621	96.5	0.92	8.1	0.6	1.8
YE4-3552-2	400		699.7					
YE4-3553-2	450		787.2					
YE4-4001-2	500	2982	874.7	96.5	0.91	8.7	0.6	1.8
YE4-4002-2	560		968.9					
YE4-4003-2	630		1090					
YE4-4501-2	710	2985	1228	96.5	0.92	8.1	0.6	1.8
YE4-4502-2	800		1384					
YE4-4503-2	900		1557					
YE4-4504-2	1000	1711	1711	96.5	0.92	8.1	0.6	1.8
同步转速 synchronous speed 1500r/min								
YE4-80M1-4	0.55	1435	1.8	85.7	0.75	8.5	2.3	2.3
YE4-80M2-4	0.75		1.8	85.7	0.74			
YE4-90S-4	1.1		2.6	87.2	0.75			
YE4-90L-4	1.5	1435	3.4	88.2	0.76	9.0	2.0	2.3
YE4-100L1-4	2.2		4.7	89.5	0.79			
YE4-100L2-4	3		6.3	90.4	0.80			
YE4-112M-4	4	1455	8.3	91.1	0.80	9.5	2.0	2.3
YE4-132S-4	5.5		11.4	91.9				
YE4-132M-4	7.5		15.2	92.6				
YE4-160M-4	11	1470	21.6	93.3	0.83	9.0	1.8	2.2
YE4-160L-4	15		28.9	93.9	0.84			
YE4-180M-4	18.5		35.1	94.2	0.85			
YE4-180L-4	22	1475	41.6	94.5	0.85	8.5	0.9	1.8
YE4-200L-4	30		56.5	94.9				
YE4-225S-4	37		69.5	95.2				
YE4-225M-4	45	1480	84.3	95.4	0.86	9.0	0.8	1.8
YE4-250M-4	55		101.5	95.7				
YE4-280S-4	75		136.5	96.0				
YE4-280M-4	90	1485	162	96.1	0.88	8.5	0.8	1.8
YE4-315S-4	110		195	96.3				
YE4-315M-4	132		234	96.4				
YE4-315L1-4	160	1488	280	96.6	0.89	9.0	0.8	1.8
YE4-315L2-4	200		349					
YE4-355M-4	250		436					
YE4-355L-4	315	1490	550	96.7	0.88	8.6	0.6	1.8
YE4-3551-4	355		634					
YE4-3552-4	400		714					
YE4-3553-4	450	1493	803	96.7	0.89	7.8	0.6	1.8
YE4-4001-4	500		893					
YE4-4002-4	560		1000					
YE4-4003-4	630	1493	1125	96.7	0.89	7.8	0.6	1.8
YE4-4501-4	710		1268					

Technical data

Type	kW	r/min	A	η (%)	COS Φ	Ist/I _n	Ist/I _n	I _{max} /I _n	
synchronous speed 1500r/min									
YE4-4502-4	800	1490	1397	96.7	0.9	7.9	0.6	1.8	
YE4-4503-4	900		1571						
YE4-4504-4	1000		1746						
synchronous speed 1000r/min									
YE4-90S-6	0.75	930	2.0	82.7	0.70	7.5	2.1	2.1	
YE4-90L-6	1.1		2.8						84.5
YE4-100L-6	1.5	950	3.7	85.9	0.71	7.5	2.1	2.1	
YE4-112M-6	2.2		5.4						87.4
YE4-132S-6	3	970	7.2	88.6	0.71	8.0	2.0	2.1	
YE4-132M1-6	4		9.4						89.5
YE4-132M2-6	5.5		12.8						90.5
YE4-160M-6	7.5	975	16.4	91.3	0.76	8.5	2.0	2.1	
YE4-160L-6	11		23.5						92.3
YE4-180L-6	15	980	30.7	92.9	0.80	8.5	2.0	2.1	
YE4-200L1-6	18.5		37.6						93.4
YE4-200L2-6	22		44.0						93.7
YE4-225M-6	30	985	59.0	94.2	0.82	8.3	2.0	2.1	
YE4-250M-6	37		71.7						94.5
YE4-280S-6	45	990	86.9	94.8	0.83	8.5	2.0	2.1	
YE4-280M-6	55		104.6						95.1
YE4-315S-6	75		142						95.4
YE4-315M-6	90	990	168	95.6	0.85	8.0	1.6	2.0	
YE4-315L1-6	110		205						95.8
YE4-315L2-6	132		243						96.0
YE4-355M1-6	160	994	294	96.2	0.86	8.0	1.6	2.0	
YE4-355M2-6	200		340						96.3
YE4-355L-6	250		458						96.5
YE4-3552-6	315	994	604.2	96.6	0.82	7.9	0.9	1.8	
YE4-3553-6	355		680.9						96.6
YE4-4001-6	400		758						96.6
YE4-4002-6	450	994	852.7	96.6	0.83	8.0	0.8	1.8	
YE4-4003-6	500		947.5						96.6
YE4-4501-6	560		1049						96.6
YE4-4502-6	630	994	1180	96.6	0.84	7.4	0.6	1.8	
YE4-4503-6	710		1329						96.6
YE4-4504-6	800		1498						96.6
synchronous speed 750r/min									
YE4-100L1-8	0.75	690	2.2	78.4	0.66	7.0	2	1.8	
YE4-100L2-8	1.1		3.1						80.8
YE4-112M-8	1.5	695	4.0	82.6	0.69	7.5	2	1.8	
YE4-132S-8	2.2		5.7						84.5
YE4-132M-8	3	710	7.6	85.9	0.7	8.0	2	1.8	
YE4-160M1-8	4		9.8						87.1
YE4-160M2-8	5.5		13.1						88.3
YE4-160L-8	7.5	720	17.2	89.3	0.74	8.1	2	1.8	
YE4-180L-8	11		25.0						90.4
YE4-200L-8	15	725	33.3	91.2	0.75	8.3	2	1.8	
YE4-225S-8	18.5		40.9						91.7
YE4-225M-8	22		47.8						92.1
YE4-250M-8	30	735	63.9	92.7	0.77	7.9	2	1.8	
YE4-280S-8	37		77.4						93.1
YE4-280M-8	45	740	93.8	93.4	0.78	8.2	2	1.8	
YE4-315S-8	55		111.5						93.7
YE4-315M-8	75		151						94.2
YE4-315L1-8	90	740	179	94.4	0.80	7.6	2	1.8	
YE4-315L2-8	110		218						94.7
YE4-355M1-8	132		261						94.9
YE4-355M2-8	160	742	312	95.1	0.82	7.8	2	1.8	
YE4-355L-8	200		388						95.1
YE4-3552-8	250		498						95.1
YE4-3553-8	315	745	627	95.4	0.80	7.6	1.1	1.8	
YE4-4001-8	355		707						95.4
YE4-4002-8	400		796						95.4
YE4-4501-8	450	745	885	95.4	0.81	7.8	0.8	1.8	
YE4-4502-8	500		983						95.4
YE4-4503-8	560		1101						95.4
YE4-4504-8	630	745	1239	95.4	0.81	7.8	0.8	1.8	

MOUNTING AND OVERALL DIMENSIONS

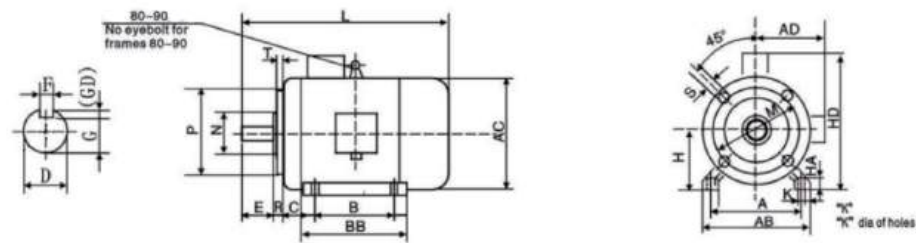
IM B3 H80-355



Frame	Poles	Mounting Dimension										Figure size							
		A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L	
80M	2, 4	125	100	50	19	40	6	15.5	80	10	32	150	10	165	175	145	220	305	
90S	2, 4, 6	140	125	56	24	50	8	20	90		34	185	12	180	205	170	265	360	
90L	2, 4, 6, 8	160	140	63	28	60	8	24	100	12	39	223	14	205	215	180	270	435	
100L	2, 4, 6, 8	190	140	70	28	60	10	33	112		45	230		230	255	200	310	440	
112M	2, 4, 6, 8	216	178	89	38	80	10	33	132	14.5	55	186	18	270	310	230	365	510	
132S	4, 6, 8	254	210	108	42	110	12	37	160		65	224		230	255	200	310	440	
132M	2, 4, 6, 8	279	241	121	48	110	14	42.5	180	18.5	70	230	22	320	340	260	425	730	
160M	2, 4, 6, 8	318	279	149	55	110	16	49	200		74	334		320	340	260	425	760	
180M	2, 4, 6, 8	356	311	178	60	140	18	53	225	24	78	339	28	435	495	350	575	830	
200L	2, 4, 6, 8	406	349	199	65	140	18	58	250		80	368		435	495	350	575	860	
225S	4, 6, 8	457	368	190	75	140	20	67.5	280	28	84	393	35	550	630	435	705	990	
225M	2, 4, 6, 8	508	419	216	75	140	20	67.5	315		90	399		550	630	435	705	1040	
250M	2, 4, 6, 8	558	457	242	85	170	22	71	355	35	94	445	45	635	645	530	845	1180	
280S	2, 4, 6, 8	608	508	268	85	170	22	71	400		120	485		635	645	530	845	1210	
280M	2, 4, 6, 8	658	547	294	85	170	22	71	450	35	124	536	52	730	710	655	1010	1320	
315S	2, 4, 6, 8	708	586	320	85	170	22	71	500		124	586		730	710	655	1010	1350	
315M	2, 4, 6, 8	758	625	346	85	170	22	71	550	35	128	637	52	760	770	760	1130	1470	
315L	2, 4, 6, 8	808	664	372	85	170	22	71	600		128	688		760	770	760	1130	1500	
355M	2, 4, 6, 8	858	703	398	85	170	22	71	650	35	132	738	52	790	800	790	1160	1620	
355L	2, 4, 6, 8	908	742	424	85	170	22	71	700		132	789		790	800	790	1160	1650	
3551	2, 4, 6, 8	958	781	450	85	170	22	71	750	35	136	839	52	820	830	820	1190	1770	
3552	2, 4, 6, 8	1008	820	476	85	170	22	71	800		136	890		820	830	820	1190	1800	
400	2, 4, 6, 8	1058	859	502	85	170	22	76	850	40	140	890	45	840	860	900	1260	1910	
450	2, 4, 6, 8	1108	898	528	85	170	22	86	900		140	941		840	860	900	1260	1940	

MOUNTING AND OVERALL DIMENSIONS

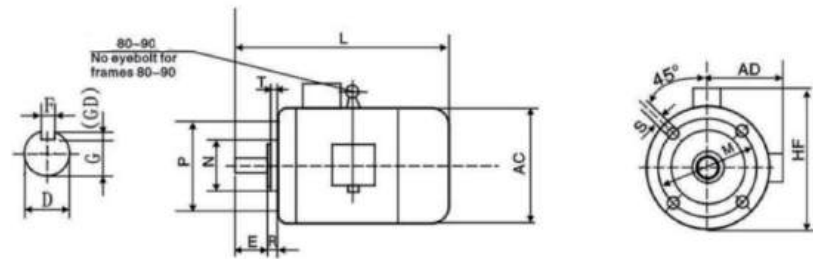
IM B34 H80-112



Frame	Poles	Mounting Dimension											Figure size								
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
80M	2, 4	125	100	50	19	40	6	15.5	80		100	80	120	0	4-M6	3	165	175	145	220	305
90S	2, 4, 6	140	125	56	24	50	8	20	90	10	115	95	140		4-M8	3.5	180	205	170	265	360
90L		190	125	70	28	60															
100L	2, 4, 6, 8	160	140	63	28	60	8	24	100	12	130	110	160		4-M8	3.5	230	255	200	310	440
112M		190	140	70	28	60								24							

MOUNTING AND OVERALL DIMENSIONS

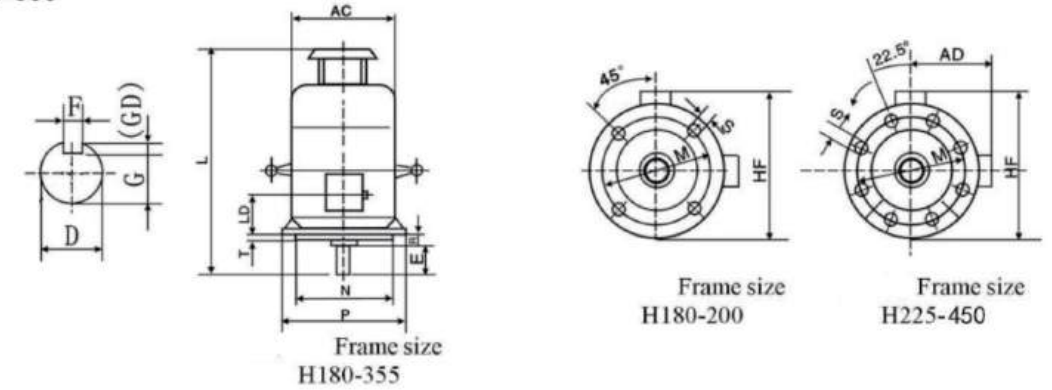
IM B14 H80-112



Frame	Poles	Mounting Dimension										Figure size			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2, 4, 6	19	40	6	15.5	100	80	120	0	4-M6	3	175	145	-	305
90S	2, 4, 6, 8	24	50	8	20	115	95	140		4-M8	3.5	205	170	-	360
90L		190	24												
100L	2, 4, 6, 8	28	60	8	24	130	110	160		4-M8	3.5	215	180	245	435
112M		190	28						60						

MOUNTING AND OVERALL DIMENSIONS

IM V1 H180-355



Frame	Poles	Mounting Dimension										Figure size			
		D	E	F	G	M	N	P	R	n-S	T	AC	AD	HF	L
180M	2, 4	48	110	14	42.5	300	250	350	0	4-φ18.5	5	390	285	505	825
180L	2, 4, 6, 8	55		16	49	350	300	400				445	320	565	845
200L		60	18	53	400	350	450	495				350	625	945	
225S	4, 8	60	140	18	53	400	350	450				495	350	625	945
225M	2	55	110	16	49	400	350	450	8-φ18.5	5	550	390	670	1095	
250M	4, 6, 8	60	140	18	53	500	450	550							630
280S	2	65		140	20				67.5	500	450	550	630	435	
280M	4, 6, 8	75	140		20	67.5	500	450	550						630
315S	2	65		170	18	58				600	550	650	645	530	
315M	4, 6, 8	85	170		22	71	600	550	650						645
315L	2	65		170	18	58				740	680	800	710	655	
355M	4, 6, 8	100	170		25	86	740	680	800						710
355L	2	75		170	20	67.5				740	680	800	710	655	
3551	4, 6, 8	100	170		25	86	740	680	800						710
3552	2	80		170	22	71				740	680	800	710	655	
3553	4, 6, 8	110	170		28	100	740	680	800						710
400	2	85		170	22	76				940	880	1000	710	655	
450	4, 6, 8	130	170		32	109	1080	1000	1150						710
	2	95		170	25	86				1080	1000	1150	710	655	
	4, 6, 8	130	170		32	119	1080	1000	1150						710
	2	95		170	25	86				1080	1000	1150	710	655	
	4, 6, 8	130	170		32	119	1080	1000	1150						710