

YY Series Single-Phase Induction Motors



- Frame sizes: 50 to 90
- Voltage: 220V
- Duty Cycle: S1
- Number of poles: 2,4

Rated output: 0.04 to 2.2kW

Frequency: 50Hz

Insulation class: B

Applications: Widely used in medical apparatus, food pressing and small machine tools

Features: Outstanding performance, reliable running

Circumstance For Use: The altitude not exceeds 1000m above sea level. The ambient temperature shall be no higher than 40°C and no lower than -15°C.

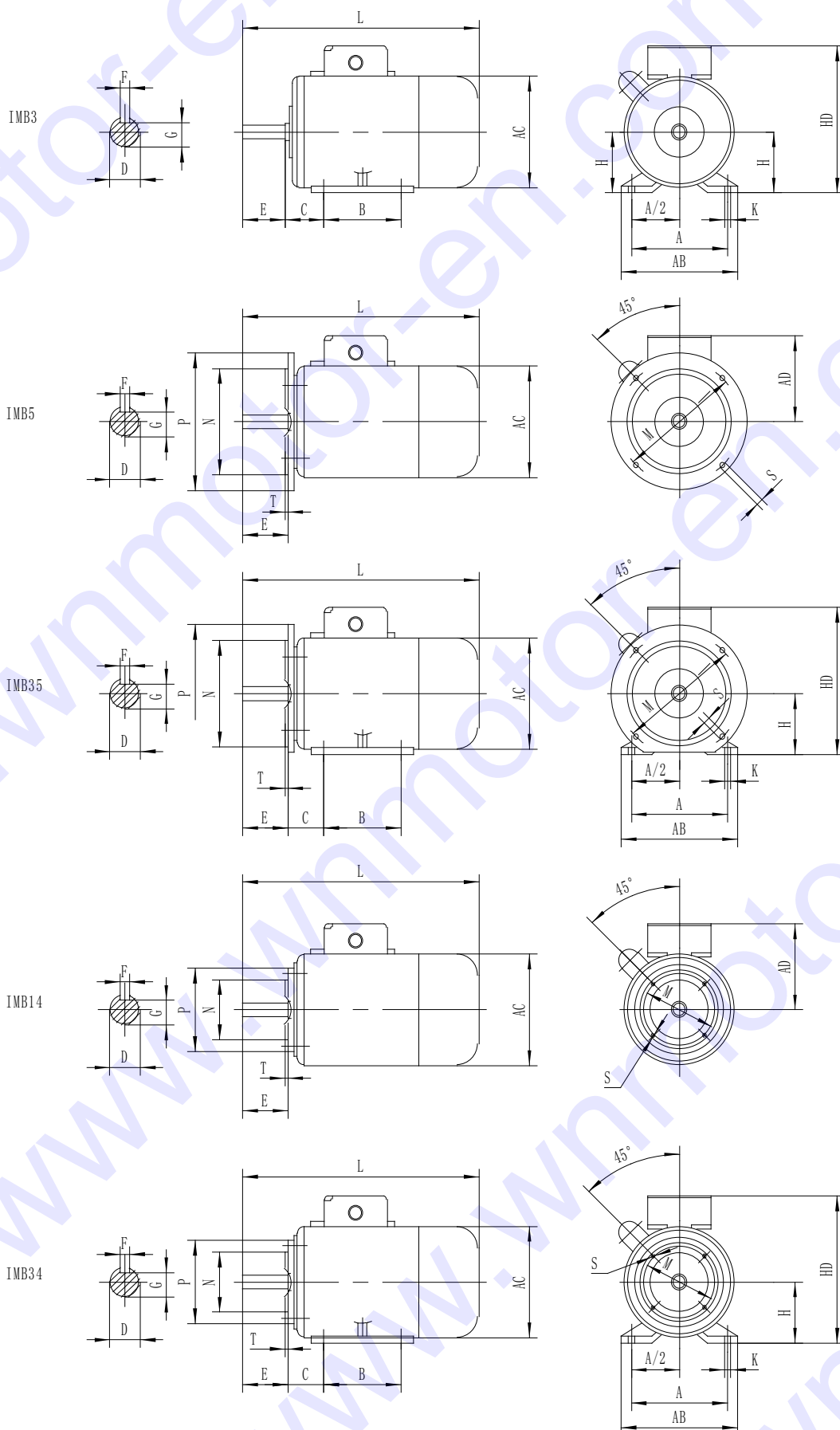
Performance Data

220V 50Hz

Type	Output kW	r/min	Current A	Eff. %	P.F	$\frac{T_{st}}{T_N}$	$\frac{I_{st}}{I_N}$	$\frac{T_{max}}{T_N}$	dB(A)
Synchronous speed 3000r/min									
YY502-2	0.06	2800	0.58	53	0.90	0.50	2.0	1.7	65
YY561-2	0.09	2800	0.80	56	0.92	0.50	2.5	1.7	70
YY562-2	0.12	2800	0.99	60	0.92	0.50	3.5	1.7	70
YY631-2	0.18	2800	1.4	65	0.92	0.40	5.0	1.7	70
YY632-2	0.25	2800	1.9	66	0.92	0.40	7.0	1.7	70
YY711-2	0.37	2800	2.7	67	0.92	0.35	10.0	1.7	75
YY712-2	0.55	2800	3.9	70	0.92	0.35	15.0	1.7	75
YY801-2	0.75	2800	5.2	72	0.92	0.32	20	1.7	75
YY802-2	1.1	2800	7.1	75	0.95	0.32	30	1.7	78
YY90S-2	1.5	2800	9.5	76	0.95	0.30	45	1.7	83
YY90L-2	2.2	2800	13.7	77	0.95	0.30	65	1.7	83
Synchronous speed 1500r/min									
YY502-4	0.04	1400	0.45	45	0.90	0.55	1.5	1.7	60
YY561-4	0.06	1400	0.61	50	0.90	0.45	2.0	1.7	65
YY562-4	0.09	1400	0.86	52	0.92	0.45	2.5	1.7	65
YY631-4	0.12	1400	1.1	57	0.90	0.40	3.5	1.7	65
YY632-4	0.18	1400	1.5	59	0.90	0.40	5.0	1.7	65
YY711-4	0.25	1400	2.0	61	0.92	0.35	7.0	1.7	65
YY712-4	0.37	1400	3.0	62	0.92	0.35	10.0	1.7	70
YY801-4	0.55	1400	4.3	64	0.92	0.35	15.0	1.7	70
YY802-4	0.75	1400	5.5	68	0.92	0.32	20.0	1.7	70
YY90S-4	1.1	1400	7.5	71	0.95	0.32	30.0	1.7	73
YY90L-4	1.5	1400	9.9	73	0.95	0.30	45.0	1.7	78

Dimensions

mm



Frame	IMB3										IMB14 IMB34						IMB5 IMB35						IMB3				
	A	A/2	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
YY50	80	40	63	32	9	20	3	7.2	50	5.8	55	40	70	0	M5	2.5							100	110	100	125	155
YY56	90	45	71	36	9	20	3	7.2	56	5.8	65	50	80	0	M5	2.5							115	115	78	124	197
YY63	100	50	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	125	124	125	165	225
YY71	112	56	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	136	140	109	180	250
YY80	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	0	M8	3.0	165	130	200	0	12	3.5	160	165	108	188	290
YY90S	140	70	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	180	120	210	315
YY90L	140	70	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	180	120	210	330

The other dimensions of IMB14, IMB34 and IMB5 are the same as those of IMB3.