



# **AEEF** SERIES

## THREE-PHASE FORMOSA STYLE ASYNCHRONOUS MOTOR

MOUNTING  
FIG

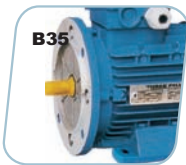
**B5**



**B14**



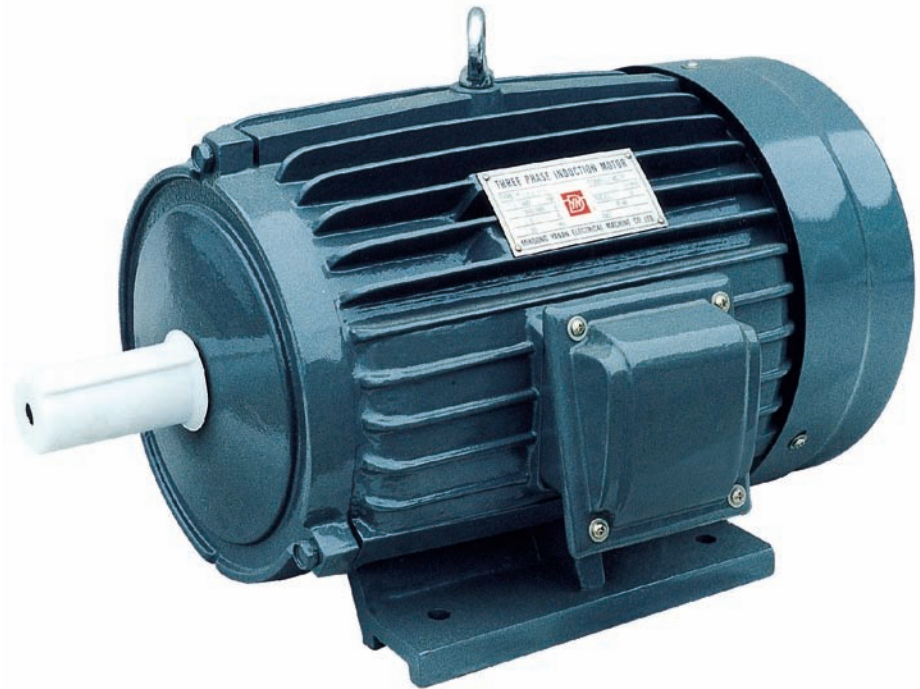
**B35**



AEEF series motors conform to IEC standard. widely used in industrial or agricultural field.

IP44, B class, IC0141  
Cast iron, TEFC  
Formosa style, tropic-proof  
Silent operation  
Smooth start torque.

**MAIN FEATURES:**





# AEEF SERIES

## THREE-PHASE FORMOSA STYLE ASYNCHRONOUS MOTOR

### TECHNICAL DATA (380V 50Hz)

Output		Full Load RPM	Frame No.	Full Load			Current Amps	Locked Rotor		Breakdown Torque %FLT	Rotor GD <sup>2</sup> Kg-M <sup>2</sup>
HP	kW			Torque Kg-M	Eff.%	P.F.%		Torque %FLT	Current Amps		
1/4	0.185	2740	63	0.07	56.0	76.5	0.66	400	3.5	300	0.002
1/4	0.185	1345	63	0.13	60.5	69.5	0.67	270	3.5	250	0.003
1/4	0.185	910	71	0.20	60.0	60.0	0.79	200	3.5	250	0.006
1/2	0.37	2785	71	0.13	75.0	85.0	0.89	320	7.0	280	0.0025
1/2	0.37	1370	71	0.26	65.5	70.0	1.24	200	7.0	230	0.005
1/2	0.37	925	80	0.39	63.0	67.0	1.34	200	7.0	230	0.009
1	0.75	2800	80	0.26	76.5	87.0	1.70	220	11	280	0.005
1	0.75	1400	80	0.52	72.0	74.0	2.13	230	11	280	0.009
1	0.75	930	90L	0.78	71.0	70.0	2.28	190	11	230	0.018
2	1.5	2820	90L	0.51	80.0	88.0	3.22	250	23	280	0.011
2	1.5	1400	90L	1.04	75.5	78.5	3.82	220	23	280	0.018
2	1.5	935	100L	1.55	75.5	71.5	4.20	180	23	220	0.033
3	2.2	2850	90L	0.76	83.5	88.5	4.60	250	39	280	0.015
3	2.2	1430	100L	1.52	80.0	82.0	5.18	210	39	260	0.033
3	2.2	950	112M	2.29	78.0	76.0	5.73	180	39	230	0.060
5	3.7	2875	112M	1.26	85.5	90.0	7.36	240	63	280	0.039
5	3.7	1440	112M	2.52	84.5	83.5	8.03	220	63	260	0.060
5	3.7	960	132S	3.78	80.5	75.5	9.32	180	63	230	0.154
7.5	5.5	2900	132S	1.88	86.5	88.5	11.1	210	93	260	0.066
7.5	5.5	1450	132S	3.75	86.0	82.5	12.0	220	93	250	0.106
7.5	5.5	960	132M	5.67	84.5	77.5	13.0	200	93	230	0.222
10	7.5	2900	132S	2.50	88.5	88.5	14.5	200	116	210	0.078
10	7.5	1450	132M	5.00	87.5	85.5	15.2	220	116	250	0.146
10	7.5	970	160M	7.48	85.5	80.0	16.6	210	116	230	0.408
15	11	2930	160M	3.72	88.5	90.0	21.3	200	168	240	0.164
15	11	1460	160M	7.46	89.5	88.0	21.6	220	168	250	0.322
15	11	970	160L	11.20	88.5	84.0	22.9	210	168	230	0.599
20	15	2930	160M	4.95	90.0	91.0	27.7	200	209	240	0.191
20	15	1460	160L	9.94	90.5	88.5	28.3	220	209	240	0.389
20	15	970	180M	15.00	89.0	82.5	30.9	200	209	210	1.007
25	18.5	2915	160L	6.23	90.0	89.5	35.2	200	268	230	0.247
25	18.5	1460	180M	12.40	91.0	86.5	36.0	210	268	240	0.624
25	18.5	970	180L	18.70	90.0	82.5	38.2	200	268	210	1.170
30	22	2950	180M	7.38	91.5	90.0	41.3	200	319	230	0.315
30	22	1455	180M	15.00	90.5	85.0	43.9	210	319	240	0.671
30	22	970	180L	22.40	89.5	82.0	46.3	200	319	210	1.365
40	30	2935	180L	9.89	92.0	91.0	54.2	180	398	210	0.373
40	30	1455	180L	20.00	91.0	85.0	58.6	180	398	220	0.829
40	30	970	200L	29.90	91.0	83.0	60.0	190	398	200	1.952
50	37	2950	200L	12.30	91.5	87.5	70.8	150	463	210	0.543
50	37	1460	200L	24.90	91.5	86.0	72.0	190	463	210	1.293
50	37	970	200L	37.40	90.0	80.0	78.7	190	463	200	2.292
60	45	2950	200L	14.80	92.5	87.0	84.5	140	582	200	0.659
60	45	1460	200L	29.80	92.0	88.5	83.5	190	582	200	1.681
60	45	980	225S	44.40	91.0	80.0	93.4	170	582	200	3.201
75	55	2950	225S	18.50	92.5	90.5	102	140	725	210	1.234
75	55	1470	225S	37.00	92.5	85.0	108	180	725	200	1.947

Fig. 1

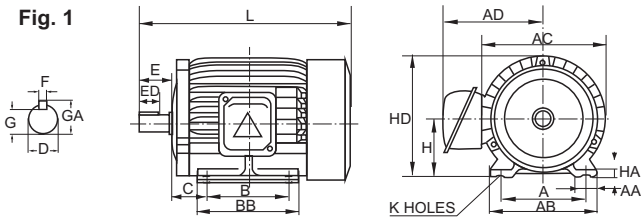


Fig. 2

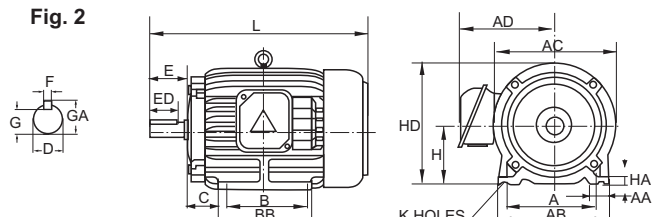


Fig. 3

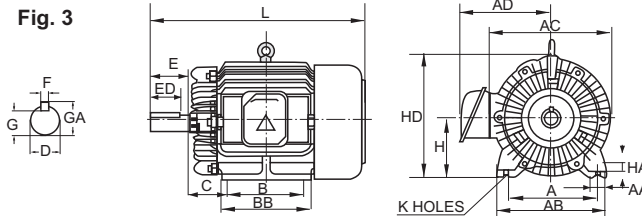
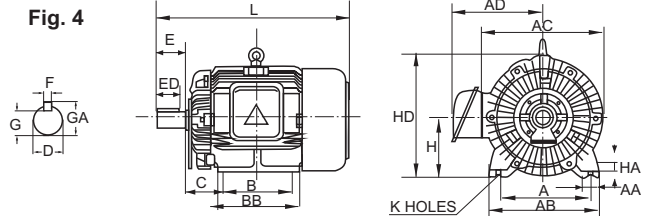


Fig. 4



**Dimension in mm**

Output(HP)			Frame No.	Fig. No.	A	AA	AB	AC	AD	B	BB	C	D	E	ED	F	G	GA	H	HA	HD	K	L	
2P	4P	6P																						
1/4	1/4	-	63	1	100	28.0	120	144	134	80	100	40	11	23	10	4	8.5	12.5	63	8.0	135	7	209	
1/2	1/2	1/4	71		112	35.5	140	160	142	90	115	45	14	30	14	5	11.0	16.0	71	8.0	151	7	239	
1	1	1/2	80		125	35.5	155	175	163	100	130	50	19	40	25	6	15.5	21.5	80	9.0	168	10	272	
2	3	2	1		90L	140	35.5	170	194	173	125	150	56	24	50	32	8	20.0	27.0	90	10.0	187	10	322
-	3	2	2	100L	160	45.0	195	210	187	140	175	63	28	60	40	8	24.0	31.0	100	12.5	243	12	363	
5	5	3	3	112M	190	45.0	224	230	205	140	175	70	28	60	40	8	24.0	31.0	112	14.0	265	12	382	
7½	10	7½	5	132S	216	45.0	250	266	223	140	175	89	38	80	56	10	33.0	41.0	132	16.0	310	12	446	
-	10	7½	5	132M	216	45.0	250	266	223	178	212	89	38	80	56	10	33.0	41.0	132	16.0	310	12	484	
15	20	15	10	160M	254	50.0	300	324	265	210	250	108	42	110	80	12	37.0	45.0	160	18.0	377	15	604	
25	20	15	10	160L	254	50.0	300	324	265	254	300	108	42	110	80	12	37.0	45.0	160	18.0	377	15	648	
30	-	-	-	180M	279	75.0	355	360	301	241	297	121	48	110	80	14	42.5	51.5	180	20.0	421	15	687	
-	25	30	20	180M	279	75.0	355	360	301	241	297	121	48	110	80	14	42.5	51.5	180	20.0	421	15	687	
40	-	-	-	180L	279	75.0	355	360	301	279	335	121	55	110	80	16	49.0	59.0	180	20.0	421	15	725	
-	40	25	30	180L	279	75.0	355	360	301	279	335	121	55	110	80	16	49.0	59.0	180	20.0	421	15	725	
50	60	-	-	200L	318	80.0	400	400	334	305	365	133	55	110	80	16	49.0	59.0	200	25.0	469	19	798	
-	50	60	40	50	200L	318	80.0	400	400	334	305	365	133	60	140	110	18	53.0	64.0	200	25.0	469	19	798
75	-	-	-	225S	356	90.0	450	458	382	286	375	149	55	110	80	16	49.0	59.0	225	30.0	524	19	806	
-	75	60	-	225S	356	90.0	450	458	382	286	375	149	65	140	110	18	58.0	69.0	225	30.0	524	19	806	

Note: 1. Tolerance of shaft end diameter D: 11- 28: J6, 38- k6, 55- 85: m6  
 2. Tolerance of shaft centerheight H: +0,-0.5

Output(HP)			Frame No. (EEV)	Fig. No.	AC	AD	L	M	N	P	S	T	Shaft Extension							
2P	4P	6P											D	E	ED	F	G	GA		
1/4	1/4	-	63	1	144	134	238	130	110	160	10	3.5	11	23	10	4	8.5	12.5		
1/2	1/2	1/4	71	1	160	142	266	130	110	160	10	3.5	14	30	14	5	11.0	16.0		
1	1	1/2	80	2	175	163	272	165	130	200	12	3.5	19	40	25	6	15.5	21.5		
2	3	2	1	90L	1	194	173	361	165	130	200	12	3.5	24	50	32	8	20.0	27.0	
-	3	2	2	100L	2	210	187	363	215	180	250	15	4.0	28	60	40	8	24.0	31.0	
5	5	3	3	112M	3	230	205	422	215	180	250	15	4.0	28	60	40	8	24.0	31.0	
7½	10	7½	5	132S	2	266	223	446	265	230	300	15	4.0	38	80	56	10	33.0	41.0	
-	10	7½	5	132M	2	266	223	484	265	230	300	15	4.0	38	80	56	10	33.0	41.0	
15	20	15	10	160M	4	324	265	604	300	250	350	19	5.0	42	110	80	12	37.0	45.0	
25	20	15	10	160L	4	324	265	648	300	250	350	19	5.0	42	110	80	12	37.0	45.0	
30	-	-	-	180M	4	360	301	687	350	300	400	19	5.0	48	110	80	14	42.5	51.5	
-	25	30	20	180M	4	360	301	687	350	300	400	19	5.0	48	110	80	14	42.5	51.5	
40	-	-	-	180L	5	360	301	725	350	300	400	19	5.0	55	110	80	16	49.0	59.0	
-	40	25	30	180L	5	360	301	725	350	300	400	19	5.0	55	110	80	16	49.0	59.0	
50	60	-	-	200L	6	400	334	798	400	350	450	19	5.0	55	110	80	16	49.0	59.0	
-	50	60	40	50	200L	6	400	334	798	400	350	450	19	5.0	60	140	110	18	53.0	64.0
75	-	-	-	225S	6	458	382	806	500	450	550	19	5.0	55	110	80	16	49.0	59.0	
-	75	60	-	225S	6	458	382	806	500	450	550	19	5.0	65	140	110	18	58.0	69.0	

Note: 1. Tolerance of shaft end diameter D: 11- 28: J6, 38- k6, 55- 85: m6  
 2. Tolerance of shaft centerheight H: +0,-0.5

3. Both the installation dimension according to Y series three phase induction motor and the installation dimensions in the form above are supplied in the domestic. (The installation dimensions from frame No.63 to frame No.160 in the form above are similar to those of Y series three phase induction motor.)

