AC Induction Motors

AEEF/AEVF/AVB/AVV

ADLEEPOWER

ADLEEPOWER

SINCE1974. ISO 9001

http://www.adlee.com

AEEF/AEVF/AVB/AVV
AC Induction Motors

Company Profile

ADLEE POWERTRONIC CO., LTD. was established in 1974. Expert in Manufacturing Electrical & Electronic Products. Our main products are Brushless DC motor and driver, AC frequency drive, AC induction motor.

ADLEE is always keeping step up with your future. Our goal is " To be one of leader in the power electronic market." At the meantime, our project is emphasized on developing AC & DC motors and drives.

ADLEE has the ISO-9001 quality system to support our business. And continuing to introduce new, innovative, and providing international standard products to meet worldwide client's satisfaction and various application.

Certificate of Compliance

Certificate: 1464038 Master Contract: 170323

Project: 1464038 Date Issued: August 27, 2003

Issued to: Adlee Powertronic Co., Ltd.
No. 4, Lane 989, Chung Shan Road
Shuikang, Taichung
TAIWAN, R.O.C.

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'

C US

Authorized by: G. Paulen

PRODUCTS

CLASS 4211 01 - MOTORS AND GENERATORS to CSA standards
CLASS 4211 81 - MOTORS AND GENERATORS to US standards

Squirrel Cage Induction Motors
-Frame size 63-160, 3-ph, 60 Hz, max. 660V, Ins. Cl. B, TEFC, 0.25-20 hp, Series AEEF for horizontal mounting, Series AEVF for vertical mounting.
-Frame size 80-160, 3-ph, max 660V, Ins. Cl. F,forced fan cooled, 1-20 hp, inverter duty, Series AEEFV, 10-110Hz or AVB, 10-160 Hz for horizontal mounting, Series AEVFV, 10-110Hz or AVV, 10-160Hz for vertical mounting, fan rating, 0.18 A at 660V to 0.6A at 230V.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 100-95 - Motors and Generators
UL Std. No. 1004 - Electric Motors

KEMA CE

ATTESTATION OF CONFORMITY

No. 2030348.02

Issued to: Adlee Powertronic Co., Ltd
No.4, Lane 989, Chung Shan Road
Shangpang
Taichung, Taiwan R.O.C.

For the product: Inverter motors: 0.75 –15 kW (1 – 20 Hp)
up to 660 Vac, 3-phase, 50/60 Hz, Ins. Cl. F, with incorporated power cooling
AEVFV series, 10-110 Hz, vertical type
AEEFV series, 10-110 Hz, horizontal type
AVV series, 10-160 Hz, vertical type
AVB series, 10-160 Hz, horizontal type

Trade name: ADD, Adlee Powertronic Co.Ltd

Manufactured by: Adlee Powertronic Co., Ltd
No.4, Lane 989, Chung Shan Road
Shangpang
Taichung, Taiwan R.O.C.

Subject: Evaluation of the equipment for compliance with the low voltage directive 73/23/EC

Requirements: EN 60034-1:1998,EN 60034-1/A1: 1998, EN 60034-1/A2: 1999, EN 60034-5: 1999

This Attestation is granted on account of an examination by KEMA, the results of which are laid down in a confidential file no.2030348.00

This Attestation implies that the examined types are in accordance with the standards designated under the Low Voltage Directive 73/23/EEC

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. This Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by KEMA is not the responsibility of KEMA.

KEMA Quality B.V.
Arnhem, August 28, 2003

D. van Asberen
Certification Manager

KEMA Quality B.V.

IEC MOTOR

All motors meet IEC international motor standards, convenience for all machines.All motors are with CE, CSAcus approval.

- Power range is from 0.25 to 20HP, frame is from 63 to 160.
- Voltages are designed as all customers' needs. (Dual voltages are available.)
- Motor frequency are available for 50HZ, 50/60HZ, 60 HZ, and special frequency as needs.
- Foot mount and Horizontal mount are available for all series.
- High efficiency series are available.

Fig AEVF1

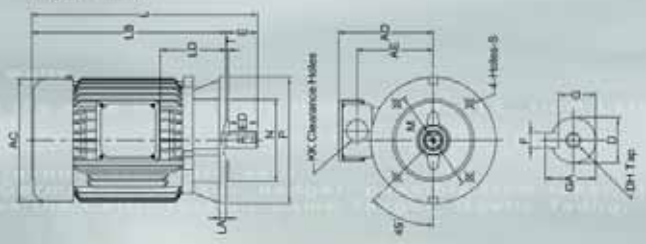
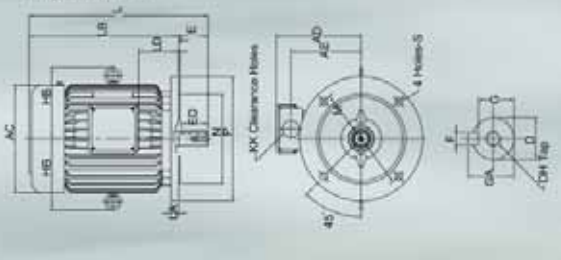
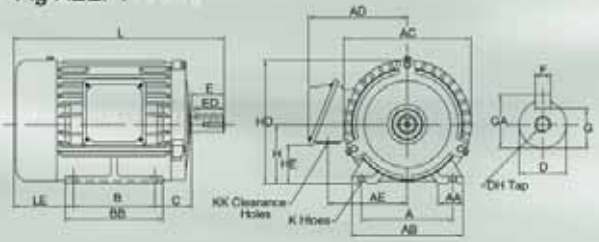


Fig AEVF2



Model	Flame No.	Output Power(HP)				Figure	AC	AD	AE	HB	KK	L	LA	LB
		2P	4P	6P	8P									
AEVF	63	1/4	1/4	-	-	1	144	115	88	-	22	212	9	215
	71	1/2	1/2	1/4	-	1	162	125	98	-	22	266	12	236
	80	1	1	1/2	-	2	177	137	117	-	22	272	12	232
	90L	2.3	2	1	1/2	3	200	150	130	-	22	361	12	311
	100L	-	3	2	1	2	219	173	140	140	28	363	16	303
	112M	5	5	3	2	3	238	182	149	150	28	422	16	362
	132S	7 1/2 10	7 1/2	5	3	2	273	218	175	169	35	446	20	366
	132M	-	10	7 1/2	5	2	273	218	175	169	35	484	20	404
	160M	15 20	15	10	7 1/2	4	334	256	213	217	35	604	20	494
	160L	25	20	15	10	4	334	256	213	217	35	648	20	538

Fig AEEF1



Model	Flame No.	Output Power(HP)				Figure	A	AA	AB	AC	AD	AE	B	BB	C
		2P	4P	6P	8P										
AEEF	63	1/4	1/4	-	-	1	100	28.0	120	144	115	88	80	100	40
	71	1/2	1/2	1/4	-	1	112	35.5	140	162	125	98	90	115	45
	80	1	1	1/2	-	1	125	35.5	155	177	137	107	100	130	50
	90L	2.3	2	1	1/2	1	140	35.5	170	200	150	120	125	150	56
	100L	-	3	2	1	2	160	45.0	195	219	173	140	140	175	63
	112M	5	5	3	2	2	190	45.0	224	238	182	149	140	175	70
	132S	7 1/2 10	7 1/2	5	3	2	216	45.0	250	273	218	175	178	185	89
	132M	-	10	7 1/2	5	2	216	45.0	250	273	218	175	178	212	89
	160M	15 20	15	10	7 1/2	3	254	50.0	300	334	256	213	210	250	108
	160L	25	20	15	10	3	254	50.0	300	334	256	213	254	300	108

Specification

Output Power (HP)	Speed	Flame	Insulation	Torque Kg-cm	Current	Max. Torque	Output Power (HP)	Speed	Flame	Insulation	Torque Kg-cm	Current	Max. Torque
	3335	63	E	0.054	1.0	300		3470	112M	E	1.046	12.9	280
1/4	1650	63	E	0.110	1.0	250	5	1745	112M	E	2.080	13.5	260
	1120	71	E	0.162	1.3	250		1160	132S	B	3.129	15.2	230
	3370	71	E	0.108	1.5	290		3490	132S	B	1.560	19.2	260
1/2	1680	71	E	0.216	1.9	250	7 1/2	1760	132S	B	3.111	20.1	250
	1130	80	E	0.321	2.2	230		1160	132M	B	4.693	22.3	230
	3395	80	E	0.214	2.9	280		3490	132S	B	2.080	25.1	210
1	1700	80	E	0.427	3.4	280	10	1750	132M	B	4.148	25.1	250
	1140	90L	E	0.637	3.6	230		1170	160M	B	6.204	28.1	230
	3415	90L	E	0.425	5.5	280		3510	160M1	B	3.102	37.1	240
2	1710	90L	E	0.849	6.1	280	15	1760	160M	B	6.186	36.7	250
	140	100L	E	1.237	6.8	220		1170	160L	B	9.306	39.1	230
	3450	90L	E	0.631	8.0	280		3520	160M	B	4.124	48.1	240
3	1725	100L	E	1.262	8.7	260	20	1160	160L	B	8.248	50.3	240
	1150	112M	E	1.894	9.3	230		1170	180MC	B	12.408	51.2	210

Fig AEVF3

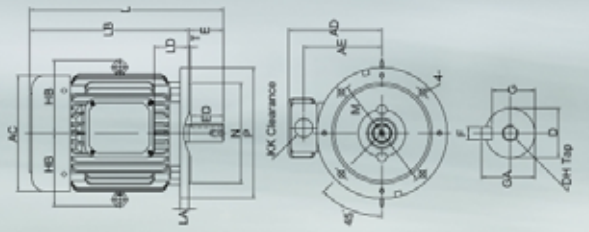
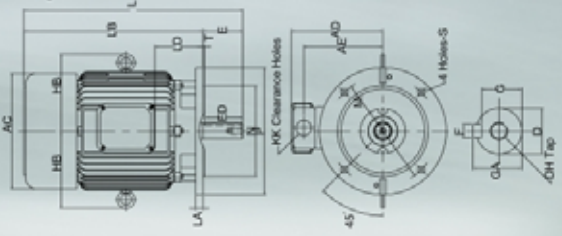


Fig AEVF4



LD	M	N	P	S	T	D	Shaft end					Bearing	
							E	ED	F	G	GA	Front	Rear
74	130	110	160	10	3.0	11	23	18	4	8.5	12.5	6201ZZ	6201ZZ
82	130	110	160	10	3.5	14	30	25	5	11	16	6202ZZ	6202ZZ
55	165	130	200	12	3.5	19	40	35	6	15.5	21.5	6204ZZ	6203ZZ
113	165	130	200	12	3.5	24	50	45	8	20	27	6205ZZ	6204ZZ
88	215	180	250	15	4.0	28	60	55	8	24	31	6206ZZ	6205ZZ
135	215	180	250	15	4.0	28	60	55	8	24	31	6306ZZ	6305ZZ
97	265	230	300	15	4.0	38	80	75	10	33	41	6308ZZ	6306ZZ
116	265	230	300	15	4.0	38	80	75	10	33	41	6308ZZ	6306ZZ
151	300	250	350	19	5.0	42	110	105	12	37	45	6309ZZ	6307ZZ
173	300	250	350	19	5.0	42	110	105	12	37	45	6309ZZ	6307ZZ

Fig AEEF2

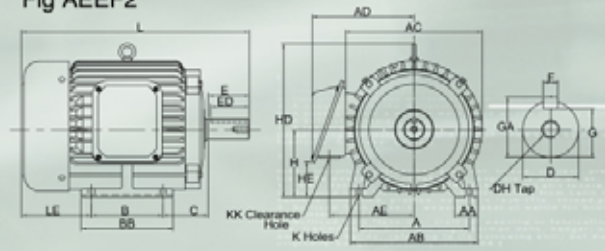
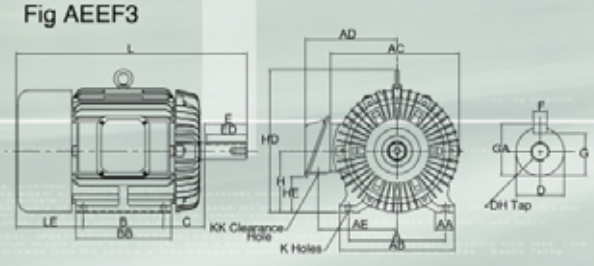
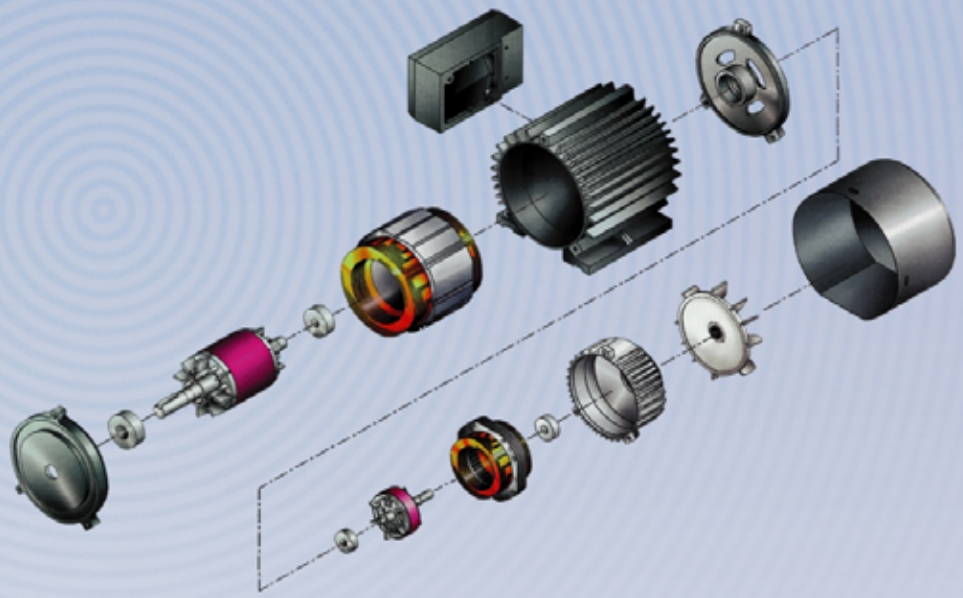


Fig AEEF3



H	HA	HD	HE	K	KK	L	LE	Shaft end						Bearing	
								D	E	ED	F	G	GA	Front	Rear
63	8.0	135	28	7	22	209	66	11	23	18	4	8.5	12.5	6201ZZ	6201ZZ
71	8.0	152	53	7	22	239	74	14	30	25	5	11.0	16.0	6202ZZ	6202ZZ
80	9.0	168	55	10	22	272	82	19	40	35	6	15.5	21.5	6204ZZ	6203ZZ
90	10.0	190	65	10	22	322	91	24	50	45	8	20.0	27.0	6205ZZ	6204ZZ
100	12.5	243	70	12	28	363	100	28	60	55	8	24.0	31.0	6206ZZ	6205ZZ
112	14.0	265	82	12	28	382	112	28	60	55	8	24.0	31.0	6306ZZ	6305ZZ
132	16.0	310	83	12	35	446	137	38	80	75	10	33.0	41.0	6308ZZ	6306ZZ
132	16.0	310	83	12	35	484	137	38	80	75	10	33.0	41.0	6308ZZ	6306ZZ
160	18.0	377	108	15	35	604	176	42	110	105	12	37.0	45.0	6309ZZ	6307ZZ
160	18.0	377	108	15	35	648	176	42	110	105	12	37.0	45.0	6309ZZ	6307ZZ

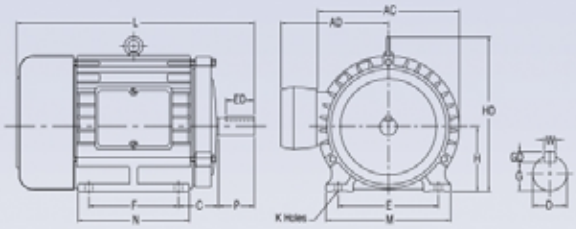


Inverter Duty Motor

Inerter Duty Motors are designed for optimized performance to run with variable frequency drive. It has independent cooling fan to cool down motor. It can operate for wide speed range without any heating problem.

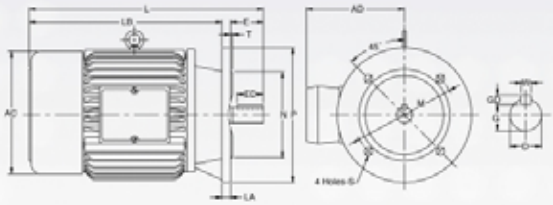
- High starting torque, low vibration, and low noise.
- IEC standard
- Independent cooling fan
- Suitable for all variable frequency drive (Inverter)
- AVB, AVV series good for 10~160HZ.
- AEEFV, AEVFV good for 10~110HZ.

■ AVB AEEFV Dimension



Output Power (KW)	Flame No.	Plos	H	AD	E	F	Z	C	P	HD	AC	L	M	N	Shaft end				
															ED	D	GD	G	W
0.75	80	4	80	140	125	100	10	50	40	-	177	328	155	130	35	19	6	15.5	6
1.5	90L	4	90	150	140	125	10	56	50	-	200	341	170	150	45	24	7	20	8
2.2	100L	4	100	162	160	140	12	63	60	243	219	396	195	175	55	28	7	24	8
3.7	112M	4	112	169	190	140	12	70	60	265	238	420	224	175	55	28	7	24	8
5.5	132S	4	132	184	216	140	12	89	80	310	273	497	250	185	75	38	8	33	10
7.5	132M	4	132	184	216	178	12	89	80	310	273	533	250	212	75	38	8	33	10
110	160M	4	160	250	254	210	14.5	108	110	377	334	670	300	250	105	42	8	37	12
150	160L	4	160	250	254	254	14.5	108	110	377	334	722	300	300	105	42	8	37	12

■ AVB AEVFV Dimension



Output Power (KW)	Flame No.	Plos	ϕP	ϕN	AD	ϕM	ϕS	AC	L	LB	E	LA	T	Shaft end				
														ED	D	GD	G	W
0.75	80	4	200	130	140	165	12	177	338	286	40	12	3.5	35	19	6	15.5	6
1.5	90L	4	200	130	149	165	12	200	390	328	50	12	3.5	45	24	7	20	8
2.2	100L	4	250	180	162	215	15	220	403	328	60	15	4	55	28	7	24	8
3.7	112M	4	250	180	169	215	15	238	455	380	60	15	4	55	28	7	24	8
5.5	132S	4	300	230	184	265	15	273	499	399	80	20	4	75	38	8	33	10
7.5	132M	4	300	230	184	265	15	273	534	434	80	20	4	75	38	8	33	10
110	160M	4	350	250	250	300	19	334	670	540	110	20	5	105	42	8	37	12
150	160L	4	350	250	250	300	19	334	722	592	110	20	5	105	42	8	37	12