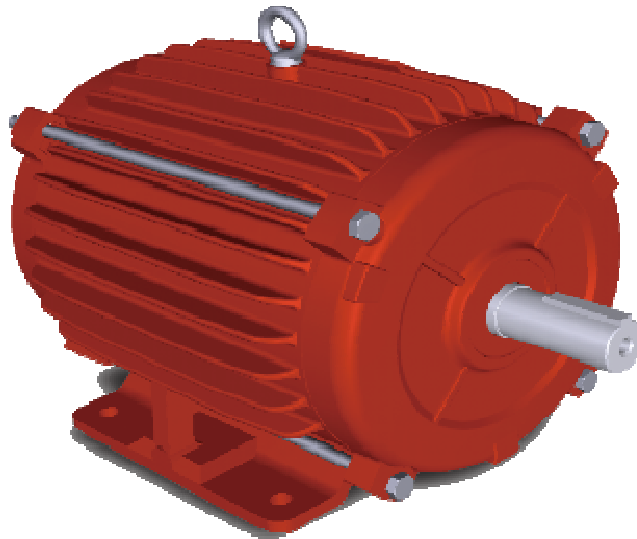


東元高溫排煙馬達

MODEL : AEEBYH

HIGH TEMPERATURE RESISTANT
3-PHASE INDUCTION MOTOR
LOW VOLTAGE SQUIRREL CAGE
FRAME SIZE 80 ~ 250M



31057H573

REV. 05

ISSUED 19-Jul-00	SPECIFICATION TABLE HIGH TEMPERATURE RESISTANT 3-PHASE INDUCTION MOTOR	MODEL AEEBYH
REVISED 21-Nov-06		PAGE

ITEM		STANDARD SPECIFICATION
R A T I N G	Kind of Motor	Squirrel Cage Induction Motor (SCIM) .
	Design Standards	BS 3979 (1966), BS 4999, BS 5000 , AS 1359 , AS 1360 , BS 7346 Part 2 1990 .
	Voltages	380V, 400V, 415V, 440V.
	Frequency	50Hz or 60Hz .
	Output Range	0.75 ~ 75kW.
	R.P.M. (Syn.)	3600 ~ 750 R.P.M. (2 ~ 8 Poles) .
	Time Duty	Emergency Rating to Class D (300°C , 1 hr) or Class E (400°C , 2 hr) , Perfor-mance According to BS 7346 Part 2 1990 , for 4~8 Poles also Suitable for Continuous S1 Duty According to BS 4999 and AS 1359 Part 30.
	Frame Size	80 ~ 250M .
	Protection Enclosure	Totally Enclosed IP54, (IP55 Option) .
	Cooling Method	Air Over, Surface Cooling .
Mounting	Horizontal Foot Mounting B3 (IM 1001) .	
A P P L I C A T I O N	Power Condition	Voltage Variation : ±5%.
	Environment Conditions	Place : Shadow, Non-Hazardous. Ambient Temperature : -15°C ~ 40°C, Relative Humidity : Less Than 90%RH (Non-Condensation) , Altitude : Less Than 1,000M .
	Drive Method	Coupling Service is the Way .
	Direction of Rotation	Bi-Directional .
	Method of Starting	Full Voltage Direct On Line or Δ - Δ Starting .
P E R F O R M A N C E	Test Procedure	BS 4999, AS 1359 and Full Voltage Measuring Starting Performance.
	Typical Performance	As Dr# 31057H575 .
	Temperature Rise	Not to Exceed 80°C rise by Resistance Method at S.F. 1.0 Operation.
	Over Speed	120% Syn. R.P.M. for 2 Minutes .
	Over Torque	160% Rated Torque for 15 Sec.
O T H E R	Certification	U.K. Warrington Fire Research : 300°C 1 Hour : WARRES No.111931 (Test Sample : 2P-1.1kW). 400°C 2 Hours : WARRES No.119183 (Test Sample : 2P-0.75kW).

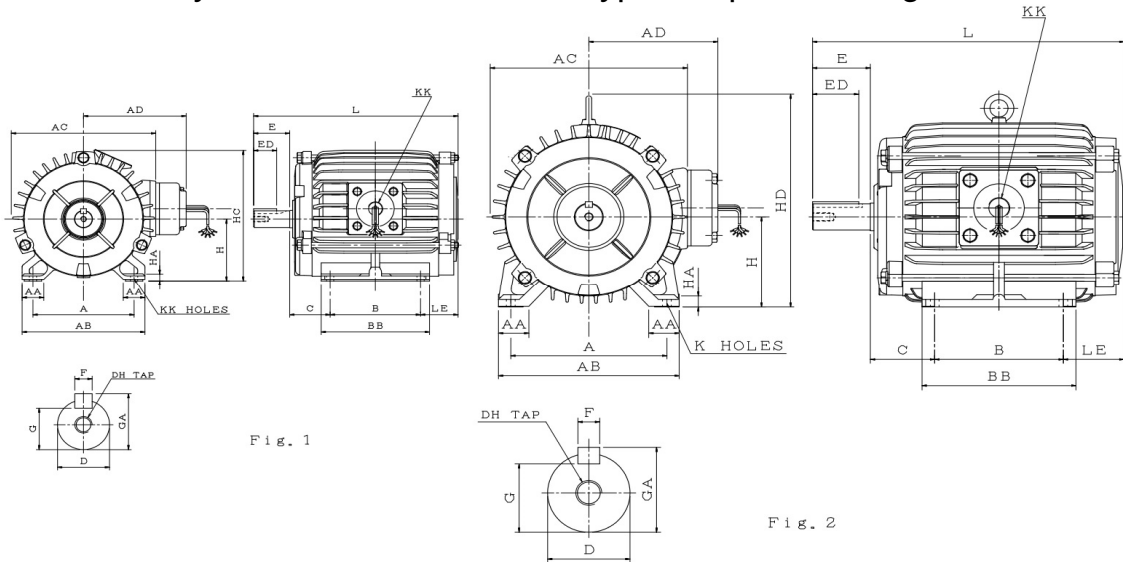
OUTLINE DIMENSION SHEET

MODEL

AEEBYH

HIGH TEMPERATURE RESISTANT
3-PHASE INDUCTION MOTOR
FRAME SIZE 80~132M

Totally Enclosed Air Over Type, Squirrel - Cage Rotor.



Dimension in mm

Output (kW)				FRAME SIZE	FIG. No.	A	AA	AB	AC	AD	B	BB	C	H	HA	HC	HD	K
2P	4P	6P	8P															
1.1	—	—	—	80	1	125	32.0	155	175	129	100	130	50	80	6.5	168	—	10
1.5	1.1	—	—	90S		140	30.0	170	199	142	100	130	56	90	7.5	189	—	10
2.2	1.5	1.1	—	90L		140	30.0	170	199	142	125	150	56	90	7.5	189	—	10
3	2.2 3	1.5	1.1	100L	2	160	35	195	219	151	140	175	63	100	8	—	240	12
4	4	2.2	1.5	112M		190	40	224	236	161	140	175	70	112	9	—	262	12
5.5 7.5	5.5	3	2.2	132S		216	42	250	273	178.5	140	175	89	132	11	—	308	12
—	7.5	4 5.5	3	132M		216	42	250	273	178.5	178	212	89	132	11	—	308	12

FRAME SIZE	KK	L	LE	SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS
				D	DH	E	ED	F	G	GA	DRIVE END	OPPOSITE DRIVE END	
80	M20×P1.5	236	46	19	M6×12	40	25	6	15.5	21.5	6204ZZC3	6204ZZC3	15
90S	M20×P1.5	258	52	24	M8×16	50	32	8	20	27	6205ZZC3	6205ZZC3	20
90L	M20×P1.5	283	52	24	M8×16	50	32	8	20	27	6205ZZC3	6205ZZC3	22
100L	M20×P1.5	322	59	28	M10×20	60	40	8	24	31	6206ZZC3	6305ZZC3	29
112M	M25×P1.5	336	66	28	M10×20	60	40	8	24	31	6306ZZC3	6306ZZC3	41
132S	M32×P1.5	393	84	38	M12×24	80	64	10	33	41	6308ZZC3	6306ZZC3	64
132M	M32×P1.5	431	84	38	M12×24	80	64	10	33	41	6308ZZC3	6306ZZC3	75

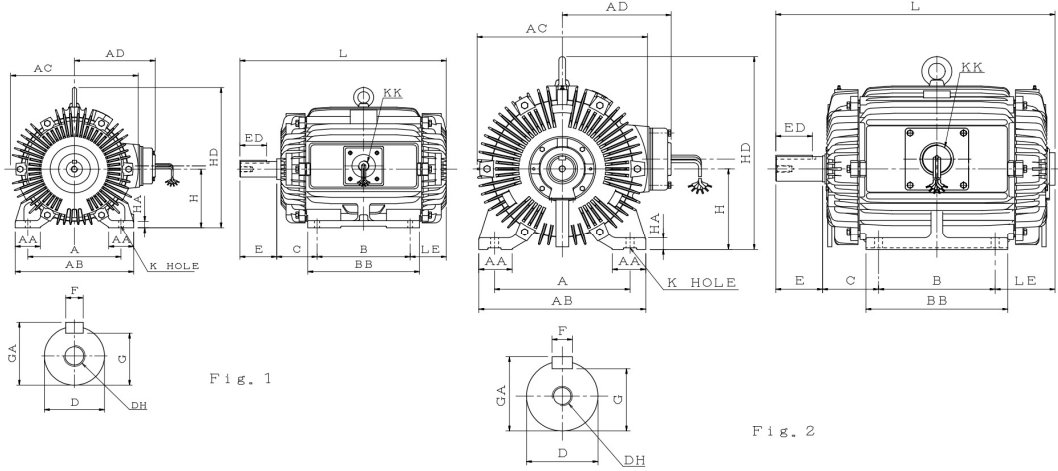
Note : 1. Tolerance of shaft end diameter D : Under $\phi 28 : j6, \phi 38 : k6$.
2. Tolerance of shaft center high H : +0, -0.5.

OUTLINE DIMENSION SHEET

MODEL
AEEBYH

HIGH TEMPERATURE RESISTANT
3-PHASE INDUCTION MOTOR
FRAME SIZE 160M ~ 250M

Totally Enclosed Air Over Type, Squirrel - Cage Rotor.



Dimension in mm

Output (kW)				FRAME SIZE	FIG. No.	A	AA	AB	AC	AD	B	BB	C	H	HA	HD	K
2P	4P	6P	8P														
11 15	11	7.5	4 5.5	160M	1	254	50	300	334	217	210	250	108	160	18	377	14.5
18.5	15	11	7.5	160L		254	50	300	334	217	254	300	108	160	18	377	14.5
22	—	—	—	180M	2	279	75	355	382	242	241	297	121	180	22	431	14.5
—	18.5	—	—	180M		279	75	355	382	242	241	297	121	180	22	431	14.5
—	22	15	11	180L	1	279	75	355	382	242	279	335	121	180	22	431	14.5
—	—	—	—	180L		279	75	355	382	242	279	335	121	180	22	431	14.5
30 37	—	—	—	200L	2	318	80	400	420	265	305	365	133	200	25	469	18.5
—	30	18.5 22	15	200L		318	80	400	420	265	305	365	133	200	25	469	18.5
—	37	—	18.5	225S		356	90	450	458	285	286	350	149	225	30	524	18.5
45	—	—	—	225M		356	90	450	458	285	311	375	149	225	30	524	18.5
—	45	30	22	225M		356	90	450	458	285	311	375	149	225	30	524	18.5
55	—	—	—	250S		406	100	500	510	326	311	385	168	250	36	595	24
—	55	37	30	250S		406	100	500	510	326	311	385	168	250	36	595	24
75	—	—	—	250M		406	100	500	510	326	349	425	168	250	36	595	24
—	75	45	37	250M		406	100	500	510	326	349	425	168	250	36	595	24

FRAME SIZE	KK	L	LE	SHAFT EXTENSION							BEARING		APPROX WEIGHT KGS
				D	DH	E	ED	F	G	GA	DRIVE END	OPPOSITE DRIVE END	
160M	M32×P1.5	525	97	42	M16×32	110	80	12	37	45	6309ZZC3	6307ZZC3	108
160L	M32×P1.5	569	97	42	M16×32	110	80	12	37	45	6309ZZC3	6307ZZC3	136
180M 2P	M32×P1.5	602	130	48	M16×32	110	80	14	42.5	51.5	(6211C3)	(6211C3)	163
180M 4P/6P/8P	M32×P1.5	580	108	48	M16×32	110	80	14	42.5	51.5	6311ZZC3	6310ZZC3	163
180L 4P/6P/8P	M32×P1.5	618	108	48	M16×32	110	80	14	42.5	51.5	6311ZZC3	6310ZZC3	187
200L 2P	M50×P1.5	683	135	55	M20×40	110	80	16	49	59	(6312C3)	(6212C3)	269
200L 4P/6P/8P	M50×P1.5	683	135	55	M20×40	110	80	16	49	59	6312C3	6212C3	269
225S 4P/6P/8P	M50×P1.5	726	151	60	M20×40	140	110	18	53	64	6313C3	6213C3	318
225M 2P	M50×P1.5	721	151	55	M20×40	110	80	16	49	59	(6312C3)	(6212C3)	355
225M 4P/6P/8P	M50×P1.5	751	151	60	M20×40	140	110	18	53	64	6313C3	6213C3	355
250S 2P	M63×P1.5	788.5	169.5	60	M20×40	140	110	18	53	64	(6313C3)	(6213C3)	460
250S 4P/6P/8P	M63×P1.5	798.5	179.5	70	M20×40	140	110	20	62.5	74.5	6316C3	6313C3	460
250M 2P	M63×P1.5	826.5	169.5	60	M20×40	140	110	18	53	64	(6313C3)	(6213C3)	510
250M 4P/6P/8P	M63×P1.5	836.5	179.5	70	M20×40	140	110	20	62.5	74.5	6316C3	6313C3	510

Note :
 1. Tolerance of shaft end diameter D : $\phi 42 \sim \phi 48$: k6 , $\phi 55 \sim \phi 70$: m6 .
 2. Tolerance of shaft center high H : +0, -0.5.