



東元**IE3**增安防爆馬達
(CNS防爆認證)

**INCREASED SAFETY MOTORS
For CNS Certificate**

MODEL : AEHFXS

IE3 EFFICIENCY INDUCTION MOTOR
LOW VOLTAGE SQUIRREL CAGE
FRAME SIZE : 80 ~ 315



31057D64105

REV. 01

SPECIFICATION TABLE

MODE
AEHFXS

HAZARDOUS AREAS Ex e
IE3 EFFICIENCY 3-
PHASE LOW VOLTAGE SQUIRREL CAGE MOTORS

	ITEM	STANDARD SPECIFICATION
R A T I N G	Kind of Motors	Squirrel Cage Induction Motors (SCIM) .
	Design Standards	IEC 60034, CNS 14400, IEC60079-0, IEC60079-7, IEC60079-15 CNS 3376-0, CNS 3376-7
	Voltages	220 to 500V For F#63~180 : 220 to 600V For F#200~250 : 380 to 600V For F#280~315
	Frequency	60Hz.
	Output Range	0.18kW ~ 200kW.
	R.P.M. (Syn.)	3600 ~ 1200 R.P.M.(2~6 Poles) .
	Time Duty	Continuous. S1, MCR (S.F. : 1.0).
	Frame Nos.	80 ~ 315MC .
	Protection Enclosure	Totally Enclosed Fan Cooled. IECEx Increased Safety, IP55.
	Cooling Method	Self External Fan, Surface Cooling (IC 411) .
Mounting	Horizontal Foot Mounting B3 (IM 1001) .	
A P P L I C A T I O N	Environment Conditions	Place : Zone 1 or Zone 2, Ambient Temperature : -20°C ~ 40°C Relative Humidity : Less Than 90%RH (Non - Condensation), Altitude : Less Than 1,000m .
	Ex Marking / Hazardous Location	Ex e II T3 : Suitable For Zone 1, Group II.(Refer to 31057D64108)
	Power Source Conditions	Voltage : ± 10%, Frequency : ± 5% , and 10% of Combined Voltage and Frequency, But Frequency Variation Does Not Exceed ± 5% .
	Method of Starting	Full Voltage Direct On Line or λ - Δ Starting .
	Operating Conditions	For Belt-Drive Application, However for 2-Pole 22kW (MA Frame) and Larger, Direct-Coupling Service Only.
	Direction of Rotation	Bi - Directional .
P E R F O R M A N C E	Test Procedure	CNS 14400 C4482 、IEEE-112 Method B and Full Voltage Measuring Performance.
	Winding Temperature Rise	F#63~180M : Not to Exceed 80°C Rise by Resistance Method at S.F.1.0 F#180L~315M : Not to Exceed 95°C Rise by Resistance Method at S.F.1.0
	Over Speed	120% Syn. R.P.M. for 2 Minutes.
	Over Torque	160% Rated Torque for 15 Sec .
	Certification	Ex e II T3 (Refer to 31057D64108)

PERFORMANCE DATA

MODEL

AEHFXS

3-PHASE SQUIRREL CAGE
IE3 EFFICIENCY INDUCTION MOTOR

TEFC, CLASS F INSULATION, DESIGN N
40°C AMBIENT TEMP. CONTINUOUS DUTY
S.F. 1.0, 220V, 380V 60Hz

IE3

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO.	EFFICIENCY (%)			POWER FACTOR			CURRENT				TORQUE				ROTOR GD ² kg-m ²	tE (sec)
				FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD		LOCKED ROTOR		FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	PULL OUT %FLT		
										220V	380V	220V	380V						
1	0.75	3460	80M	80.0	79.5	76.0	84.5	78.0	67.0	2.91	1.69	26	15	0.211	435	375	430	0.006	5.0
		1730	80M	85.5	84.5	82.5	72.0	62.0	48.0	3.20	1.85	26	15	0.422	415	400	420	0.013	14.0
		1145	90L	82.5	83.0	81.5	70.0	62.0	49.0	3.41	1.97	20	12	0.637	195	175	265	0.022	22.0
2	1.5	3445	90L	85.5	86.0	84.5	86.0	81.0	71.0	5.35	3.10	46	27	0.424	395	375	395	0.011	5.0
		1745	90L	87.5	88.0	86.0	78.0	70.0	57.0	5.77	3.34	51	30	0.836	325	290	385	0.023	9.0
		1165	112M	88.5	88.0	85.5	65.5	57.0	44.5	6.79	3.93	42	24	1.253	160	155	270	0.071	30.0
3	2.2	3455	90L	86.5	86.5	85.5	86.5	81.5	71.0	7.72	4.47	70	41	0.620	390	370	400	0.015	5.0
		1745	100L	89.5	90.0	89.5	82.0	75.0	63.0	7.87	4.55	75	43	1.227	320	250	330	0.050	10.0
		1160	112M	89.5	89.0	87.5	67.5	60.0	47.0	9.56	5.53	57	33	1.845	165	155	265	0.084	18.0
5	3.7	3475	112M	88.5	89.0	88.0	90.5	87.0	80.0	12.1	7.02	120	69	1.036	320	280	385	0.046	5.0
		1750	112M	89.5	90.0	89.5	82.0	77.0	67.0	13.2	7.66	110	64	2.057	225	180	325	0.083	8.0
		1165	132S	89.5	90.0	89.0	78.0	72.0	60.0	13.9	8.05	105	61	3.090	185	170	280	0.143	15.0
7.5	5.5	3510	132S	90.2	90.2	89.5	89.0	86.5	80.0	18.0	10.4	140	81	1.525	245	200	295	0.076	6.0
		1760	132S	91.7	91.5	91.0	84.0	78.5	66.5	18.7	10.8	157	91	3.041	250	195	310	0.133	8.0
		1175	132M	91.0	91.0	90.0	75.0	68.0	55.0	21.1	12.2	170	98	4.554	230	210	345	0.217	10.0
10	7.5	3510	132S	90.2	90.2	89.5	87.0	84.0	77.0	25.1	14.5	200	116	2.079	255	215	300	0.076	5.0
		1765	132M	91.7	92.0	91.5	83.5	78.0	67.5	25.7	14.9	230	133	4.135	270	200	320	0.173	6.0
		1175	160M	91.7	92.0	91.0	79.0	73.5	62.5	27.2	15.7	210	122	6.211	280	235	285	0.484	6.0
15	11	3535	160M	91.7	92.0	91.0	90.5	89.0	84.0	34.8	20.1	280	162	3.028	235	185	285	0.183	5.0
		1765	160M	92.4	92.4	92.0	85.0	81.0	72.0	36.8	21.3	290	168	6.064	245	185	275	0.367	6.0
		1170	160L	91.7	92.0	91.5	80.0	75.0	64.0	39.4	22.8	320	185	9.148	305	255	290	0.630	5.0
20	15	3530	160M	91.7	92.0	91.5	90.0	88.0	81.0	47.7	27.6	390	226	4.135	240	190	290	0.186	5.0
		1765	160L	93.0	93.0	92.5	86.0	83.0	75.0	49.2	28.5	400	232	8.269	255	190	285	0.462	6.0
		1175	180MC	92.0	93.0	93.0	83.0	80.0	72.0	51.6	29.8	340	197	12.421	240	185	235	0.630	7.0
25	18.5	3535	160L	92.4	92.4	92.0	91.0	90.0	84.5	57.7	33.4	500	289	5.092	260	200	295	0.237	5.0
		1770	180MC	93.6	93.6	92.5	87.0	84.5	77.5	59.6	34.5	470	272	10.170	250	190	265	0.707	7.0
		1180	180LC	93.5	93.5	93.0	82.0	77.0	67.0	63.3	36.7	530	307	15.255	305	245	310	0.810	5.0
30	22	3545	180MA	93.0	93.0	92.0	88.5	86.5	80.0	70.1	40.6	560	324	6.038	225	180	280	0.283	5.0
		1775	180MC	93.6	93.5	93.5	84.0	81.0	73.0	73.4	42.5	560	324	12.060	220	160	250	0.792	5.0
		1180	180LC	93.5	93.5	93.5	83.0	78.5	69.0	74.4	43.1	590	342	18.141	285	225	285	1.917	5.0
40	30	3550	180LA	93.5	94.0	93.0	92.0	90.5	86.0	91.5	53.0	840	486	8.223	280	215	325	0.434	5.0
		1775	180LC	94.1	94.5	94.0	85.5	83.5	77.0	97.9	56.7	720	417	16.445	225	185	255	1.005	5.0
		1180	200LC	94.1	94.0	93.5	86.5	84.5	78.0	96.7	56.0	620	359	24.737	210	165	215	3.023	8.0
50	37	3555	200LA	93.0	92.5	91.5	89.0	86.5	79.0	117	67.9	960	556	10.127	170	145	295	1.018	5.0
		1780	200LC	95.0	95.0	94.5	85.5	83.0	75.0	120	69.2	870	504	20.225	215	180	250	1.896	6.0
		1185	200LC	94.1	94.5	93.5	85.0	81.5	73.0	121	70.3	860	498	30.381	240	185	240	3.605	7.0
60	45	3555	200LA	93.6	93.5	92.5	91.5	91.5	88.0	138	79.8	1000	579	12.316	160	130	265	1.187	5.0
		1775	200LC	95.5	95.5	95.5	85.5	83.0	75.0	145	83.7	1050	608	24.668	215	185	260	1.979	6.0
		1185	225SC	94.5	94.5	94.0	86.5	83.5	76.0	144	83.6	1090	631	36.949	240	215	260	5.106	5.0
75	55	3570	225SA	94.5	95.0	94.5	90.0	90.0	86.0	170	98.3	1310	758	14.990	165	140	290	1.541	6.0
		1785	225SC	95.5	95.5	95.0	86.5	84.5	78.0	175	101	1440	834	29.980	290	205	260	3.911	7.0
		1185	250SC	95.0	95.5	94.5	83.0	79.5	71.0	183	106	1260	729	45.160	190	165	260	6.492	5.0
100	75	3565	250SA	94.5	94.5	94.0	88.5	87.0	82.0	235	136	1650	955	20.470	140	120	285	1.759	6.0
		1780	250SC	95.4	95.0	93.5	86.0	84.5	78.0	240	139	1870	1083	40.997	190	150	300	4.853	5.0
		1185	250MC	95.0	94.5	94.0	86.0	83.5	76.0	241	139	1620	938	61.582	185	160	250	8.175	6.0
125	90	3575	250MA	95.0	94.5	93.5	89.0	87.0	82.0	279	162	2470	1430	24.495	135	140	310	2.287	5.0
		1785	250MC	95.4	95.5	95.0	86.0	83.0	75.0	288	167	2540	1471	49.059	200	185	305	6.111	5.0
		1187	280SB/C	95.0	94.5	93.5	85.0	84.0	80.0	---	169	---	1550	78.500	190	170	250	15.100	8.5
150	110	3575	280SA	95.1	94.8	94.0	87.0	86.0	82.0	---	202	---	1670	32.202	135	120	260	3.900	9.0
		1788	280SB/C	95.8	95.5	94.8	84.5	83.5	80.0	---	206	---	1550	60.071	160	140	290	9.800	7.5
		1188	280MB/C	95.8	95.5	94.5	84.5	80.9	72.2	---	206	---	1750	94.730	190	170	260	17.900	8.0
175	132	3575	280MA	95.2	95.0	94.0	89.0	88.0	85.0	---	237	---	1850	37.672	135	120	250	4.900	8.0
		1788	280MB/C	96.2	96.0	95.2	86.0	83.3	76.1	---	242	---	1800	71.673	160	140	290	11.500	7.5
		1187	315SB/C	95.8	95.5	95.0	83.5	81.5	73.5	---	251	---	2150	105.125	200	180	250	19.800	8.5
215	160	3575	315SA	95.4	95.0	94.5	90.0	89.0	85.5	---	283	---	2400	45.810	140	125	250	5.800	9.0
		1788	315SB/C	96.2	95.0	94.0	87.0	86.0	82.0	---	290	---	2250	88.079	140	125	280	12.800	7.0
		1187	315MB/C	96.0	95.5	94.5	82.0	80.0	73.5	---	309	---	2400	135.031	200	180	240	22.700	7.5
270		3575	315MA	95.8	95.5	95.2	90.5	90.0	86.5	---	350	---	2850	54.773	140	125	240	6.300	8.5
		1788	315MB/C	96.2	96.0	95.5	87.0	86.0	82.0	---	363	---	2600	110.932	140	125	280	14.400	7.0

NOTE :

1. The above are typical values based on test accord to ANSI/IEEE standard 112 method B.
2. Tolerance according to IEC 60034-1 .
3. Efficiency, power factor, speed and torque are the same for other voltages.
Current values vary inversely with voltage.
4. Data subject to change without notice.

SPECIFICATION TABLE

MODEL

AEHFXS

HAZARDOUS AREAS Ex e

Certification Number:

Frame	2P	4P	6P	Standard
63	工電(2012)第00471號	工電(2012)第00480號	—	CNS 3376-0 (2008)
71	工電(2012)第00472號	工電(2012)第00481號	—	CNS 3376-7 (2008)
80	工電(2012)第00473號	工電(2012)第00482號	工電(2013)第00041號	
90	工電(2012)第00474號	工電(2012)第00483號	工電(2013)第00042號	
100	—	工電(2013)第00036號	工電(2013)第00043號	
112	工電(2012)第00475號	工電(2013)第00037號	工電(2013)第00044號	
132	工電(2012)第00476號	工電(2013)第00038號	工電(2013)第00045號	
160	工電(2012)第00477號	工電(2013)第00039號	工電(2013)第00046號	
180	工電(2012)第00478號	工電(2012)第00054號	工電(2013)第00047號	
200	工電(2013)第00276號	工電(2013)第00040號	工電(2013)第00048號	
225	工電(2012)第00479號	工電(2012)第00220號	工電(2013)第00049號	
250	工電(2013)第00375號	工電(2013)第00312號	工電(2013)第00050號	
280	工電(2014)第00042號	工電(2014)第00001號	工電(2013)第00598號	
315	工電(2014)第00043號	工電(2014)第00025號	工電(2013)第00623號	

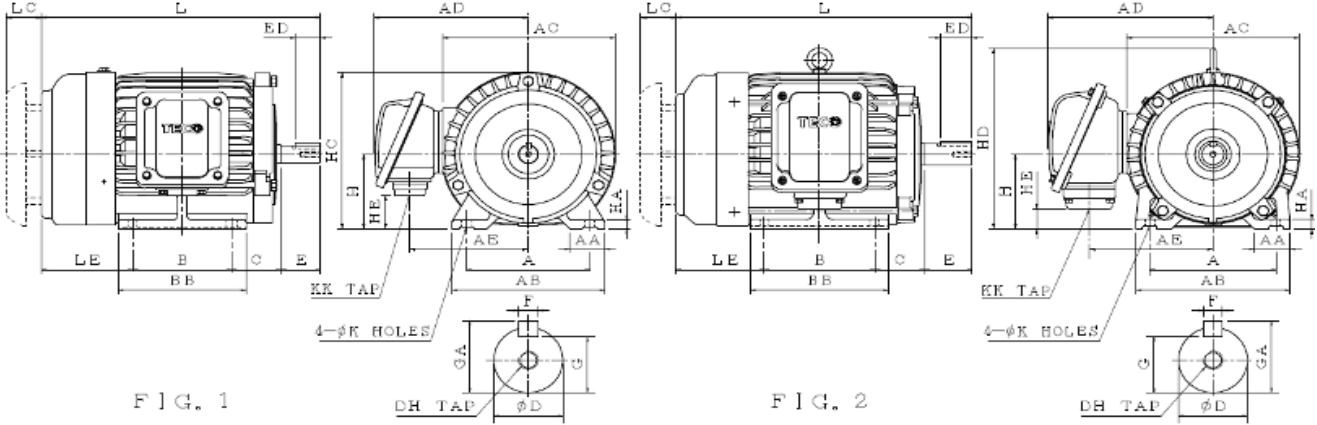
OUTLINE DIMENSIONS SHEET

MODE

AEHFXS

HAZARDOUS AREAS Ex e
IE3 EFFICIENCY 3-PHASE LOW VOLTAGE SQUIRREL CAGE MOTORS
FRAME NOS. 80M ~ 132M

Totally Enclosed Fan-Cooled Type, Squirrel-Cage Rotor.



Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	B	BB	C	H	HA	HC	HD	K
2P	4P	6P			1	2												
0.75	0.75	0.37	80	1	125	35.5	155	177	179	130	100	130	50	80	9.0	168	—	10
1.5 2.2	1.5	0.75	90L		140	35.5	170	200	192	143	125	150	56	90	10.0	190	—	10
—	2.2	—	100L	2	160	45.0	195	219	202	153	140	175	63	100	12.5	—	243	12
3.7	3.7	1.5 2.2	112M		190	45.0	224	238	211	162	140	175	70	112	14.0	—	265	12
5.5 7.5	5.5	3.7	132S		216	45.0	250	273	249	187	140	175	89	132	16.0	—	310	12
—	7.5	5.5	132M		216	45.0	250	273	249	187	178	212	89	132	16.0	—	310	12

FRAME SIZE	KK	L	LC	SHAFT EXTENSION								BEARING		APPROX. WEIGHT KGS.
				LE	D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	
80M	PF 1/2"	283	41.0	93	19	40	25	6	15.5	21.5	M6 × 12	6204ZZ	6204ZZ	19
90L	PF 1/2"	333	41.0	102	24	50	32	8	20.0	27.0	M8 × 16	6205ZZ	6205ZZ	26
100L	PF 1/2"	375	41.0	112	28	60	40	8	24.0	31.0	M10 × 20	6206ZZ	6305ZZ	39
112M	PF 1/2"	392	48.0	122	28	60	40	8	24.0	31.0	M10 × 20	6306ZZ	6306ZZ	50
132S	PF 1"	454	48.0	145	38	80	64	10	33.0	41.0	M12 × 24	6308ZZ	6306ZZ	72
132M	PF 1"	492	48.0	145	38	80	64	10	33.0	41.0	M12 × 24	6308ZZ	6306ZZ	82

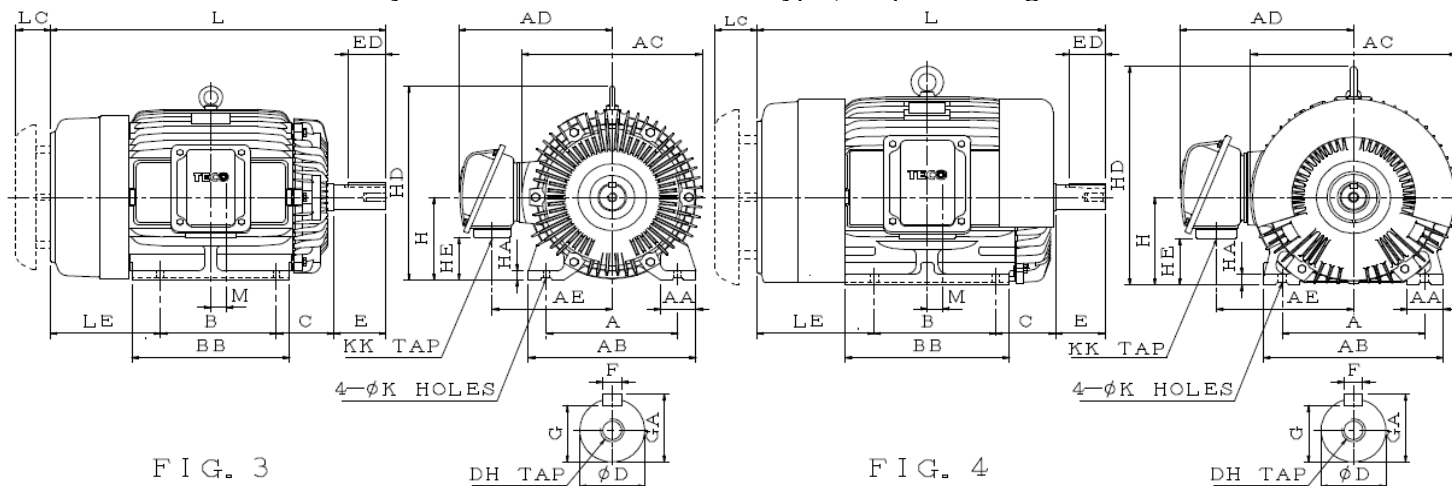
Note : 1. Tolerance of shaft and diameter D : Under $\phi 19 \sim \phi 28 : j6, \phi 38 : k6$.
2. Tolerance of shaft center high H : +0, -0.5.

OUTLINE DIMENSIONS SHEET

MODE
AEHFXS

HAZARDOUS AREAS Ex e
IE3 EFFICIENCY 3-PHASE LOW VOLTAGE SQUIRREL CAGE MOTORS
FRAME NOS. 160~225MC

Totally Enclosed Fan-Cooled Type, Squirrel-Cage Rotor.



Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	B	BB	C	H	HA	HD	HE	K	M
2P	4P	6P																	
11 15	11	7.5	160M	3	254	50	300	334	287	225	210	250	108	160	18	377	83	14.5	0
18.5	15	11	160L		254	50	300	334	287	225	254	300	108	160	18	377	83	14.5	0
22	—	—	180MA	4	279	75	355	382	312	250	241	335	121	180	22	431	103	14.5	19
—	18.5 22	15	180MC	3	279	75	355	382	312	250	241	335	121	180	22	431	103	14.5	19
30	—	—	180LA	4	279	75	355	382	312	250	279	389	121	180	22	431	103	14.5	27
—	30	18.5 22	180LC	3	279	75	355	382	312	250	279	389	121	180	22	431	103	14.5	27
37 45	—	—	200LA	4	318	80	400	458	392	307	305	400	133	200	25	499	88	18.5	17.5
—	37 45	30 37	200LC	3	318	80	400	458	392	307	305	400	133	200	25	499	88	18.5	17.5
55	—	—	225SA	4	356	100	450	510	452	355	286	415	149	225	30	550	57	18.5	32
—	55	45	225SC	3	356	100	450	510	452	355	286	415	149	225	30	550	57	18.5	32

FRAME SIZE	KK	L	LC	LE	SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS
					D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	
160M	PF 1"	608.0	42	180.0	42	110	80	12	37.0	45.0	M16×32	6309ZZ	6307ZZ	133
160L	PF 1"	652.0	42	180.0	42	110	80	12	37.0	45.0	M16×32	6309ZZ	6307ZZ	148
180MA	PF1 1/2"	710.0	50	238.0	48	110	80	14	42.5	51.5	M16×32	6311ZZC3	6310ZZC3	235
180MC	PF1 1/2"	710.0	50	238.0	48	110	80	14	42.5	51.5	M16×32	6311ZZ	6310ZZ	250
180LA	PF1 1/2"	764.0	50	254.0	55	110	80	16	49.0	59.0	M20×40	6312ZZC3	6310ZZC3	240
180LC	PF1 1/2"	764.0	55	254.0	55	110	80	16	49.0	59.0	M20×40	6312ZZ	6310ZZ	255
200LA	PF 2"	809.5	55	261.5	55	110	80	16	49.0	59.0	M20×40	6312ZZC3	6212ZZC3	355
200LC	PF 2"	839.5	60	261.5	60	140	110	18	53.0	64.0	M20×40	6314ZZ	6212ZZ	385
225SA	PF 2"	850.0	60	305.0	55	110	80	16	49.0	59.0	M20×40	6312ZZC3	6212ZZC3	470
225SC	PF 2"	880.0	60	305.0	65	140	110	18	58.0	69.0	M20×40	6315ZZ	6213ZZ	500

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

OUTLINE DIMENSIONS SHEET

MODE

AEHFXS

HAZARDOUS AREAS Ex e
IE3 EFFICIENCY 3-PHASE LOW VOLTAGE SQUIRREL CAGE MOTORS
FRAME NOS. 250SA~250MC

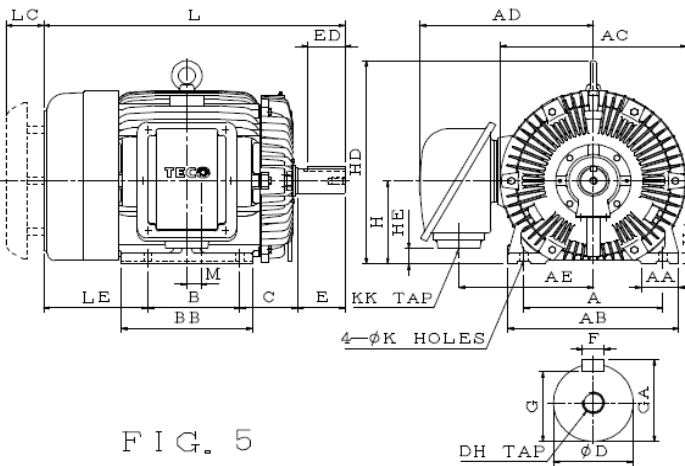


FIG. 5

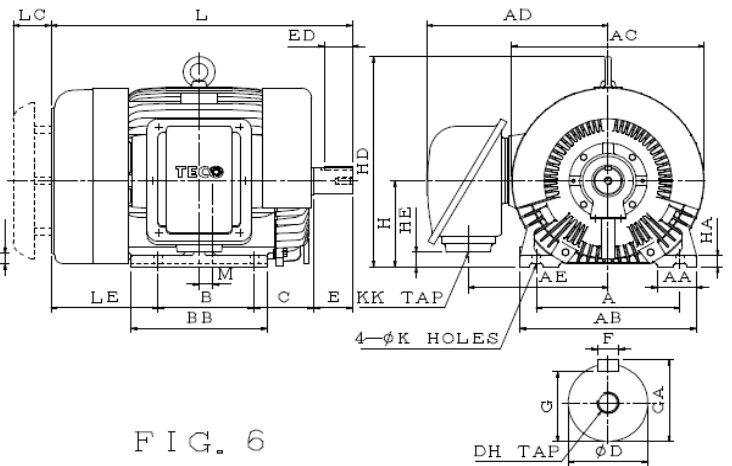


FIG. 6

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	B	BB	C	H	HA	HD	HE	K	M
2P	4P	6P																	
75	—	—	250SA	6	406	110	500	545	513	395	311	385	168	250	32	612	42	24	0
—	75	55	250SB 250SC	5	406	110	500	545	513	395	311	385	168	250	32	612	42	24	0
90	—	—	250MA	6	406	110	500	545	513	395	349	480	168	250	32	612	42	24	28.5
—	90	75	250MB 250MC	5	406	110	500	545	513	395	349	480	168	250	32	612	42	24	28.5

FRAME SIZE	KK	L	LC	LE	SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS
					D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	
250SA	PF 3"	852.5	71	263.5	55	110	80	16	49.0	59.0	M20×40	6313C3	6313C3	500
250SB 250SC	PF 3"	882.5	71	263.5	75	140	110	20	67.5	79.5	M20×40	*6316 NU316	6313	565
250MA	PF 3"	947.5	71	263.5	55	110	80	16	49.0	59.0	M20×40	6313C3	6313C3	590
250MB 250MC	PF 3"	977.5	71	263.5	75	140	110	20	67.5	79.5	M20×40	*6316 NU316	6313	640

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

OUTLINE DIMENSIONS SHEET

MODE

AEHFXS

HAZARDOUS AREAS Ex e
IE3 EFFICIENCY 3-PHASE LOW VOLTAGE SQUIRREL CAGE MOTORS
FRAME NOS. 280SA~280MC

Totally Enclosed Fan-Cooled Type, Squirrel-Cage Rotor.

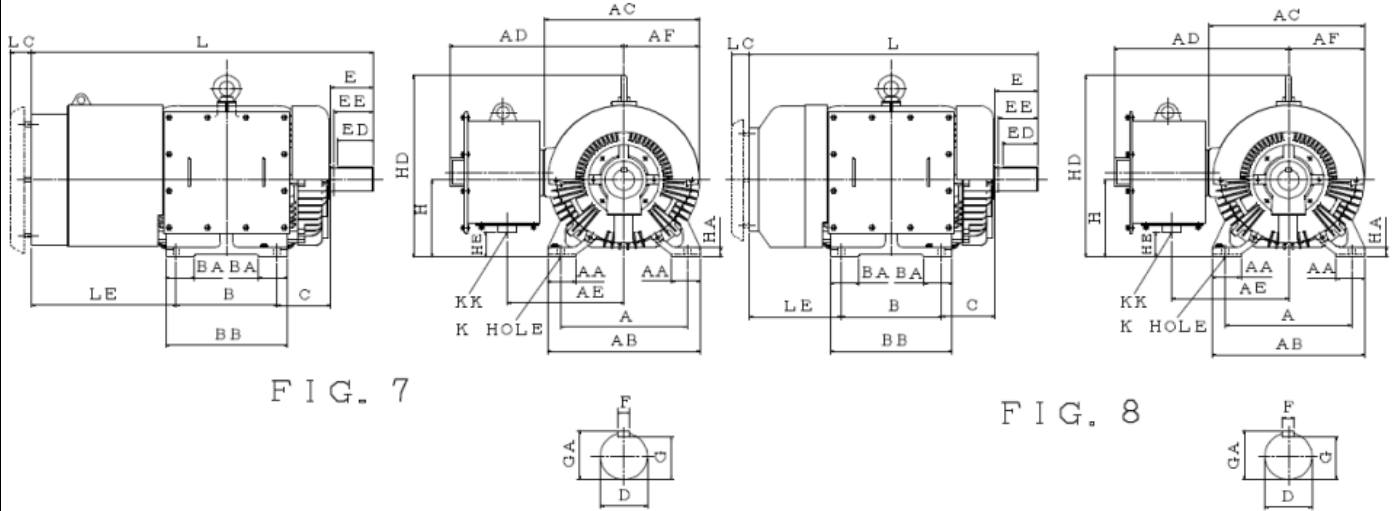


FIG. 7

FIG. 8

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	AF	B	BA	BB	C	EE	H	HA
2P	4P	6P			A	AA	AB	AC	AD	AE	AF	B	BA	BB	C	EE	H	HA
110	—	—	280SA	7	457	110	560	625	703	470	305	368	110	445	190	104	280	36
—	110	90	280SB 280SC	8	457	110	560	625	703	470	305	368	110	445	190	157	280	36
132	—	—	280MA	7	457	110	560	625	703	470	305	419	130	495	190	104	280	36
—	132	110	280MB 280MC	8	457	110	560	625	703	470	305	419	130	495	190	157	280	36

FRAME SIZE	HD	HE	K	KK	L	LC	LE	SHAFT EXTENSION						BEARING		APPROX. WEIGHT KGS
								D	E	ED	F	G	GA	DRIVE END	OPPOSITE DRIVE END	
280SA	710	67.5	24	PF 4"	1226	71.3	558	55	110	80	16	49	59	6314C3	6314C3	848
280SB 280SC	710	67.5	24	PF 4"	1072	71.3	344	85	170	140	22	76	90	*6320 NU320	6316	873
280MA	710	67.5	24	PF 4"	1277	71.3	558	55	110	80	16	49	59	6314C3	6314C3	898
280MB 280MC	710	67.5	24	PF 4"	1122	71.3	343	85	170	140	22	76	90	*6320 NU320	6316	943

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

OUTLINE DIMENSIONS SHEET

MODE

AEHFXS

HAZARDOUS AREAS Ex e
IE3 EFFICIENCY 3-PHASE LOW VOLTAGE SQUIRREL CAGE MOTORS
FRAME NOS. 315SA~315MC

Totally Enclosed Fan-Cooled Type, Squirrel-Cage Rotor.

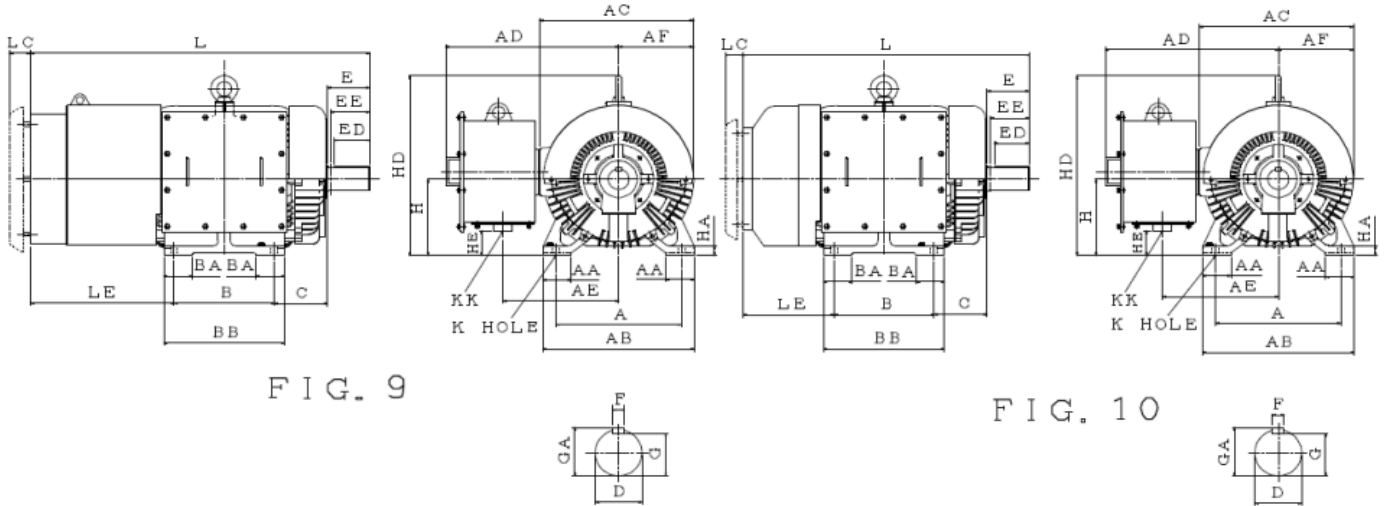


FIG. 9

FIG. 10

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	AF	B	BA	BB	C	EE	H	HA
2P	4P	6P			A	AA	AB	AC	AD	AE	AF	B	BA	BB	C	EE	H	HA
160	—	—	315SA	9	508	115	615	625	703	470	305	406	115	490	216	104	315	40
—	160	132	315SB 315SC	10	508	115	615	625	703	470	305	406	115	490	216	157	315	40
200	—	—	315MA	9	508	115	615	625	703	470	305	457	225	667	216	104	315	40
—	200	160	315MB 315MC	10	508	115	615	625	703	470	305	457	115	540	216	157	315	40

FRAME SIZE	HD	HE	K	KK	L	LC	LE	SHAFT EXTENSION					BEARING		APPROX. WEIGHT KGS	
								D	E	ED	F	G	GA	DRIVE END		OPPOSITE DRIVE END
315SA	743	102.5	28	PF 4"	1376	71.3	369	55	110	80	16	49	59	6314C3	6314C3	905
315SB 315SC	743	102.5	28	PF 4"	1161	71.3	369	95	170	140	25	86	100	*6320 NU320	6316	1025
315MA	743	102.5	28	PF 4"	1496	71.3	711	55	110	80	16	49	59	6314C3	6314C3	1059
315MB 315MC	743	102.5	28	PF 4"	1212	71.3	470	95	170	140	25	86	100	*6320 NU320	6316	1155

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