

文件變更通知單

No.107097

編號	3A057H607E	名稱	AFJE PRODUCT NOTE F#315CA~400CB			發行			
						份數	單位	簽收	
版數：02 變更理由： 1. TAC要求F#315效率值提高 2. 產發處要求增 380V、400V特性表 3. 4~8P風罩長度L與LE值變更 4. 年度檢討 變更內容： 3A057H608E REV.01 → REV.02 3A057H609E REV.00 → REV.01 3A057H610E REV.00 → REV.01 3A057H611E REV.00 → REV.01 3A057H711E REV.00 → 追加 3A057H712E REV.00 → 追加 3A057H612E REV.00 → REV.01 4A040M571E REV.01 → REV.02 4A040M573E REV.01 → REV.02 4A040M574E REV.01 → REV.02 4A040M576E REV.01 → REV.02							重電營業處	電子	
							研發中心-設計課-技術股	電子	
							研發中心-電設課	電子	
							中壢二廠-品管課	電子	
							研發中心-機設課	電子	
							HTEM-設計處	電子	
							研發中心-業務技術課	電子	
							研發中心-電設課-技術股	電子	
							中壢二廠-品管課-成檢股-檢C班	電子	
							研發中心-機設課-M3股	電子	
							全球生產運籌中心-產銷運籌課	電子	
							GSMD	電子	
							中壢二廠-品管課-成檢股-檢D班	電子	
							產品企劃處-產品支援股	電子	
核定	C.WANG JAN. 04 2011	複審	T.HSIAO NOV. 30 2010	B.YANG DEC. 01 2010	擬案	H.CHEN DEC. 15 2010	發行日期		
							發行單位	電設課	

PRODUCT NOTE

MODEL : AFJE

STANDARD 3-PHASE HIGH EFFICIENCY INDUCTION MOTORS
 LOW VOLTAGE SQUIRREL CAGE
 FRAME NO. (EG) 315CA ~ 400CB

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重	
GSMD	
設	
機品	
機品C	
機品D	
研機	
研△	
研電	
研△	
產	
HTEM	
研技	
籌	

REV.02 NOV. 15 2010 No.107097

REV.01 JUN. 09 2009 No.097036

APPD.	C.WANG	JAN. 04 2011	TECO Electric & Machinery Co., Ltd.	DWG NO.	3A057H607E
CHKD.	T.HSIAO	NOV. 30 2010		REV. 02	1/1
DWN.	H.CHEN	NOV. 15 2010			

ISSUED JAN. 09 2009		SPECIFICATION TABLE 3-PHASE HIGH EFFICIENCY INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE		MODEL AFJE	
REVISED NOV. 15 2010					
ITEM			STANDARD SPECIFICATION		
RATING	KIND OF MOTOR		SQUIRREL-CAGE INDUCTION MOTOR (SCIM)		
	DESIGN STANDARD		IEC, JEC		
	VOLTAGE		50Hz : 380V, 400V, 415V ; 60Hz : 440V		
	FREQUENCY		50HZ OR 60HZ		
	OUTPUT RANGE		150 ~ 1000HP (110 ~ 750kW)		
	R.P.M. (SYN.)		3000 ~ 750R.P.M. (2 ~ 8 POLE) 50HZ 3600 ~ 900R.P.M. (2 ~ 8 POLE) 60HZ		
	TIME DUTY		CONTINUOUS S.F. 1.0 (S1, MCR)		
	FRAME NO. (EG)		315CA ~ 400CB		
	PROTECTION ENCLOSURE		TOTALLY ENCLOSED (IP54)		
	COOLING METHOD		SELF EXTERNAL FAN, SURFACE COOLING (IC 411)		
	MOUNTING		HORIZONTAL FOOT MOUNTING (IM 1001, B3, F-1)		
APPLICATION	POWER CONDITIONS		VOLTAGE : $\pm 10\%$, FREQUENCY $\pm 5\%$, AND 10% MAX. OF COMBINED VOLTAGE AND FREQUENCY		
	ENVIRONMENT CONDITIONS		PLACE : SHADOW, NON-HAZARDOUS AMBIENT TEMPERATURE : -20 ~ 40°C RELATIVE HUMIDITY : LESS THAN 95% RH (NON-CONDENSATION) ALTITUDE : LESS THAN 1000 METERS		
	DRIVE METHOD		DIRECT COUPLING		
	DIRECTION OF ROTATION		COUNTER-CLOCKWISE FACING THE DRIVE END, AVAILABLE FOR BI-DIRECTIONAL EXCEPT 2 POLE		
	METHOD OF STARTING		FULL VOLTAGE ACROSS-THE-LINE OR REDUCED VOLTAGE STARTING (OPTION)		
CONSTRUCTION	DIMENSIONS		AS DWG NO. 4B049M571E, 572E, 573E, 574E, 575E, 4B049M576E		
	FRAME		HIGH GRADE CAST IRON		
	END BRACKET		HIGH GRADE CAST IRON		
	EXTERNAL FAN		ALUMINUM, EXCEPT 2 POLE WHICH IS REINFORCED PLASTIC		
	FAN COVER		STEEL PLATE FABRICATED		
	SHAFT		CARBON STEEL, CYLINDRICAL SINGLE EXTENSION WITH KEYWAY AND KEY		
	BEARING		BRACKET MOUNTING, VACUUM DE-GASSED HIGH QUALITY ROLLING BEARINGS WITH REGREASE PROVISIONS		
APPD.	T.HSIAO	JAN. 03 2011	TECO Electric & Machinery Co., Ltd.		DWG NO.
CHKD.	M.Y.HSU	JAN. 03 2011			3A057H608E
DWN.	H.CHEN	NOV. 15 2010			REV.02

ITEM		STANDARD SPECIFICATION
C O N S T R U C T I O N	LUBRICANT	MINERAL OIL, LI-BASE GREASE (SHELL ALVANIA RL3), EXCEPT 2 POLE WHICH IS ESSO POLYREX EM GREASE
	SHAFT FLINGER	METAL FLINGER ON BOTH ENDS
	TERMINAL BOX	CAST IRON, LARGE SIZE, THREADED FOR EXTERNAL CONDUIT EXTRANCE, AT LEFT-HAND SIDE FACING THE DRIVE END, RIGHT-HAND SIDE IS ACCEPTABLE WHEN REQUEST
	LEAD TERMINAL	6 LEADS, WITH SOLDERLESS LUG TERMINALS
	IRON CORE	HIGH GRADE, INSULATED, COLD-ROLLED ELECTRO-MAGNETIC STEEL PLATE
	STATOR WINDING	RANDOM WOUND WITH HEAVY BUILT, HEAT-RESISTANT POLYESTER, ENAMELED COPPER WIRE OR FORMED WOUND MADE OF INSULATED RECTANGULAR COPPER WIRE
	STATOR INSULATION	CLASS F INSULATION SYSTEM
	VARNISH TREATMENT	1-DIP WITH SOLVENTLESS EPOXY RESIN AND 1-SPRAY ENAMEL TOP COATING
	ROTOR WINDING	SQUIRREL-CAGE, ALUMINUM CONDUCTOR WITH END-RING AND WAFER BLADES INTEGRALLY CAST, COPPER OR COPPER ALLOY BAR IS ACCEPTABLE WHEN REQUEST
	PAINTING	MODIFIED PHENOL RESIN WITH IRON OXIDE RUST PROOF BASE, PLUS ALKYD SURFACE FINISH PAINTING IN BLUE-GRAY COLOR (MUNSELL 7.5B 3.5/0.5)
	NAMEPLATE	STAINLESS STEEL PLATE
	BOLT THREAD	ISO METRIC SYSTEM
GROUNDING TERMINAL	BE SET INSIDE OF TERMINAL BOX AND ON FOOT OF FRAME	
P E R F O R M A N C E	TEST PROCEDURE	IEC 60034 OR JEC 37
	TYPICAL PERFORMANCE	AS DWG NO. 3A057H611E, 3A057H711E, 3A057H712E, 3A057H612E
	TEMPERATURE RISE	NOT TO EXCEED 80°C BY RESISTANCE METHOD
	OVER SPEED	120% SYN. R.P.M. FOR TWO MIN.
	OVER TORQUE	160% RATED TORQUE FOR 15 SEC
	NOISE	BELOW 85dBA AT 1 METER DISTANCE NO LOAD

ISSUED JAN. 09 2009			FRAME ALLOCATION			MODEL AFJE	
REVISED NOV. 15 2010			3-PHASE HIGH EFFICIENCY INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE			380V , 400V 415V 50Hz	
OUTPUT		2P FRAME NO.	4P FRAME NO.	6P FRAME NO.	8P FRAME NO.		
HP	(kW)						
150	110	—	—	—	315AB		
175	132	—	—	—	315AB		
200	150	—	—	315AB	315AB		
215	160	—	—	315AB	315CB		
250	185	—	—	315AB	315CB		
268	200	315CA	315CB	315CB	315CB		
300	220	315CA	315CB	315CB	315DB		
335	250	315CA	315CB	315CB	315DB		
350	260	315CA	315CB	315DB	315DB		
375	280	315CA	315CB	315DB	315DB		
400	300	315DA	315CB	315DB	355CB		
425	315	315DA	315DB	315DB	355CB		
450	340	315DA	315DB	355CB	355CB		
475	355	315DA	315DB	355CB	355CB		
500	375	315DA	315DB	355CB	400CB		
535	400	315DA	315DB	355CB	400CB		
570	425	355CA	355CB	355CB	400CB		
600	450	355CA	355CB	355CB	400CB		
635	475	400CA	355CB	400CB	400CB		
670	500	400CA	355CB	400CB	400CB		
710	530	400CA	355CB	400CB	—		
750	560	400CA	355CB	400CB	—		
800	600	400CA	400CB	400CB	—		
845	630	400CA	400CB	400CB	—		
870	650	400CA	400CB	400CB	—		
900	670	—	400CB	—	—		
950	710	—	400CB	—	—		
APPD.	T.HSIAO	NOV. 30 2010	TECO Electric & Machinery Co., Ltd.			DWG NO.	
CHKD.	M.Y.HSU	NOV. 29 2010				3A057H609E	
DWN.	H.CHEM	NOV. 15 2010				REV.01	1/1

ISSUED JAN. 09 2009			FRAME ALLOCATION			MODEL AFJE	
REVISED NOV. 15 2010			3-PHASE HIGH EFFICIENCY INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE			440V 60Hz	
OUTPUT		2P FRAME NO.	4P FRAME NO.	6P FRAME NO.	8P FRAME NO.		
HP	(kW)						
150	110	—	—	—	315AB		
175	132	—	—	—	315AB		
200	150	—	—	315AB	315AB		
215	160	—	—	315AB	315AB		
250	185	—	—	315AB	315CB		
268	200	315CA	315CB	315AB	315CB		
300	220	315CA	315CB	315CB	315CB		
335	250	315CA	315CB	315CB	315DB		
350	260	315CA	315CB	315CB	315DB		
375	280	315CA	315CB	315DB	315DB		
400	300	315CA	315CB	315DB	315DB		
425	315	315DA	315CB	315DB	355CB		
450	340	315DA	315DB	315DB	355CB		
475	355	315DA	315DB	315DB	355CB		
500	375	315DA	315DB	355CB	355CB		
535	400	315DA	315DB	355CB	355CB		
570	425	315DA	315DB	355CB	400CB		
600	450	315DA	315DB	355CB	400CB		
635	475	355CA	355CB	355CB	400CB		
670	500	355CA	355CB	355CB	400CB		
710	530	400CA	355CB	400CB	400CB		
750	560	400CA	355CB	400CB	—		
800	600	400CA	355CB	400CB	—		
845	630	400CA	400CB	400CB	—		
870	650	400CA	400CB	400CB	—		
900	670	400CA	400CB	400CB	—		
950	710	—	400CB	—	—		
1000	750	—	400CB	—	—		
APPD.	T.HSIAO	NOV. 30 2010	TECO Electric & Machinery Co., Ltd.			DWG NO.	
CHKD.	M.Y.HSU	NOV. 29 2010				3A057H610E	
DWN.	H.CHEM	NOV. 15 2010				REV.01	1/1

ISSUED NOV. 15 2010	PERFORMANCE DATA 3-PHASE HIGH EFFICIENCY INDUCTION MOTORS HIGH VOLTAGE SQUIRREL CAGE	MODEL AFJE
REVISED		380V 50Hz

TEFC, 2P 380V 50HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
HP	(KW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
				LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	%	HOT	COLD	KG-M ²	KG-M ²	
		RPM	(EG)	%	%	%	%	%	%						SEC	SEC			KGS
268	200	2978	315CA	95.0	94.8	93.9	91.2	90.4	86.5	351	731	2565	100	219	22	26	8.3	83	1420
300	220	2979	315CA	95.2	95.0	94.2	91.5	90.5	86.3	384	748	2872	106	230	19	23	9.1	90	1470
335	250	2980	315CA	95.4	95.2	94.5	92.1	91.1	87.2	432	742	3207	113	230	18	21	10.5	97	1570
350	260	2977	315CA	95.4	95.2	94.5	91.9	90.4	86.2	451	772	3484	104	266	15	18	10.5	86	1570
375	280	2976	315CA	95.4	95.3	94.6	91.4	89.6	85.3	488	737	3595	98	255	15	18	10.5	86	1570
400	300	2976	315DA	95.6	95.4	94.8	92.1	91.1	87.8	518	739	3829	90	250	16	19	12.0	86	1870
425	315	2976	315DA	95.7	95.5	95.0	92.6	91.7	88.1	540	772	4169	95	264	15	18	13.5	90	1970
450	340	2975	315DA	95.8	95.6	95.1	92.8	92.0	89.3	581	741	4307	102	252	15	18	13.5	97	1970
475	355	2975	315DA	95.8	95.7	95.2	92.9	92.2	89.6	606	750	4547	91	254	15	18	14.2	96	2020
500	375	2977	315DA	95.8	95.7	95.2	92.3	91.1	87.6	644	787	5070	102	275	13	16	14.2	100	2020
535	400	2974	315DA	95.9	95.9	95.5	93.0	92.5	90.1	681	752	5121	89	245	14	17	14.9	108	2070
570	425	2981	355CA	96.1	96.0	95.3	92.5	90.9	86.2	726	752	5456	100	248	20	27	23.2	169	2560
600	450	2980	355CA	96.2	96.1	95.5	92.6	91.2	86.9	768	748	5743	95	236	20	27	23.2	175	2560
635	475	2978	400CA	95.7	95.4	95.0	90.7	90.0	86.1	832	731	6078	98	224	25	32	30.5	235	3100
670	500	2976	400CA	95.7	95.5	95.0	90.7	90.3	86.8	876	732	6413	93	212	25	32	30.5	226	3100
710	530	2981	400CA	95.7	95.6	95.1	90.3	88.6	83.2	932	729	6796	96	224	25	32	32.2	215	3180
750	560	2979	400CA	95.9	95.8	95.4	91.3	90.5	86.7	972	739	7179	97	208	25	32	33.9	235	3250
800	600	2981	400CA	96.3	96.2	95.7	91.0	90.2	86.3	1040	736	7657	95	220	25	32	37.2	242	3400
845	630	2981	400CA	96.2	96.1	95.7	91.1	89.9	85.3	1093	740	8088	92	230	25	32	37.2	229	3400
870	650	2980	400CA	96.2	96.1	95.7	91.3	90.1	85.7	1125	740	8328	89	222	25	32	37.2	224	3400

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

APPD.	T.HSIAO	JAN. 03 2011	TECO Electric & Machinery Co., Ltd.	DWG NO.	3A057H711E
CHKD.	M.Y.HSU	JAN. 03 2011		REV.00	
DWN.	H.CHEM	NOV. 15 2010		1/4	

TEFC, 4P 380V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	Time(s)				
															HOT SEC	COLD SEC			
268	200	1488	315CB	95.9	95.7	95.1	83.9	78.2	67.2	378	699	2641	142	274	15	18	23.2	382	1600
300	220	1488	315CB	96.0	95.9	95.4	85.0	79.8	69.9	410	700	2872	139	266	14	17	24.9	385	1650
335	250	1487	315CB	96.0	95.9	95.5	85.5	80.5	71.0	463	693	3207	138	262	13	16	26.6	400	1700
350	260	1487	315CB	96.0	96.0	95.6	85.4	81.2	71.0	482	695	3350	132	254	13	16	26.6	389	1700
375	280	1487	315CB	96.1	96.1	95.6	84.6	79.9	69.1	523	686	3589	141	267	12	15	28.4	425	1760
400	300	1488	315CB	96.1	96.1	95.6	83.6	77.7	67.5	567	705	3995	148	282	13	15	31.8	367	1860
425	315	1488	315DB	96.2	96.3	95.9	85.3	81.1	72.1	583	702	4095	161	261	16	20	31.8	706	2040
450	340	1489	315DB	96.4	96.3	96.0	85.3	81.0	70.9	628	726	4559	172	278	16	20	35.3	450	2150
475	355	1488	315DB	96.4	96.4	96.1	86.6	83.0	74.8	646	719	4645	170	270	15	19	37.0	806	2200
500	375	1489	315DB	96.5	96.4	96.1	85.2	80.8	70.7	693	746	5169	178	286	16	20	40.5	702	2300
535	400	1489	315DB	96.6	96.6	96.3	86.1	82.1	72.3	730	755	5509	183	283	14	17	42.2	605	2350
570	425	1488	355CB	96.4	96.3	95.9	89.1	87.2	81.2	752	726	5456	121	221	26	31	41.2	1195	2500
600	450	1488	355CB	96.4	96.4	96.0	89.6	88.0	82.6	791	726	5743	121	221	25	30	43.5	1228	2560
635	475	1487	355CB	96.6	96.7	96.4	90.6	90.3	87.0	825	737	6078	107	223	27	32	45.9	1303	2620
670	500	1487	355CB	96.7	96.8	96.5	90.8	90.5	87.3	866	741	6413	109	227	26	31	48.3	1357	2680
710	530	1486	355CB	96.7	96.8	96.6	91.1	91.2	88.8	915	743	6796	106	220	27	33	53.0	1426	2800
750	560	1487	355CB	96.7	96.8	96.5	91.0	90.7	87.6	967	742	7179	114	208	24	29	53.0	1328	2800
800	600	1490	400CB	97.0	96.9	96.4	88.4	85.3	77.4	1064	720	7657	117	242	29	34	70.1	2092	3500
845	630	1490	400CB	97.0	96.9	96.5	87.8	84.4	76.9	1124	720	8088	122	242	29	34	70.1	2128	3500
870	650	1490	400CB	97.0	96.9	96.5	88.0	84.7	77.1	1157	726	8405	120	244	29	34	73.1	2164	3580
900	670	1490	400CB	97.0	96.9	96.5	87.3	83.4	75.3	1203	739	8888	127	249	27	32	73.1	2232	3580
950	710	1489	400CB	97.0	96.9	96.6	88.1	84.8	77.4	1263	720	9093	126	242	27	32	76.1	2272	3650

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 6P 380V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	Time(s)				
															HOT SEC	COLD SEC			
200	150	990	315AB	95.3	95.3	94.7	84.3	80.0	70.1	284	674	1914	119	243	29	35	21.8	1199	1350
215	160	991	315AB	95.4	95.3	94.7	82.8	78.0	67.5	308	669	2059	120	250	30	34	23.6	1346	1400
250	185	991	315AB	95.5	95.5	94.9	83.6	78.4	67.3	352	717	2525	137	266	24	29	25.3	1415	1450
268	200	991	315CB	95.6	95.5	95.0	83.7	79.0	68.7	380	690	2622	125	256	27	33	28.9	1584	1640
300	220	989	315CB	95.6	95.8	95.5	86.6	84.4	77.6	404	711	2872	120	231	28	33	30.6	1652	1690
335	250	991	315CB	95.7	95.7	95.2	83.6	78.7	67.9	475	713	3385	135	271	24	28	34.2	1868	1790
350	260	991	315DB	95.8	95.8	95.4	85.1	80.5	71.7	484	714	3455	128	262	25	30	37.7	1969	2080
375	280	990	315DB	95.8	95.8	95.4	85.2	81.2	72.0	522	696	3633	123	256	25	30	39.5	1998	2130
400	300	989	315DB	95.6	95.7	95.4	86.9	84.9	78.5	549	697	3829	120	232	26	31	39.5	2066	2130
425	315	991	315DB	95.7	95.6	95.1	84.3	79.6	69.6	593	724	4291	135	273	23	27	43.0	2279	2230
450	340	989	355CB	95.9	96.0	95.7	88.8	88.3	84.3	607	710	4307	112	205	29	34	62.5	2149	2500
475	355	990	355CB	95.8	95.8	95.5	89.0	87.4	82.3	632	719	4547	121	224	24	28	65.6	2099	2560
500	375	991	355CB	96.0	95.9	95.5	88.4	86.0	79.6	672	727	4888	136	247	21	26	68.6	2311	2620
535	400	991	355CB	96.1	96.1	95.7	88.6	86.4	80.3	714	721	5148	135	243	19	24	71.7	2160	2680
570	425	991	355CB	96.2	96.2	95.8	88.9	87.1	81.5	755	723	5456	129	238	21	26	77.9	2430	2800
600	450	991	355CB	96.2	96.3	95.9	88.8	86.8	80.9	800	728	5823	133	244	20	24	80.9	2563	2860
635	475	992	400CB	96.6	96.5	96.1	84.0	80.0	69.6	890	687	6115	122	243	28	34	86.0	3093	3070
670	500	992	400CB	96.6	96.6	96.1	83.4	79.2	68.6	943	694	6549	125	248	29	35	89.7	3262	3140
710	530	992	400CB	96.6	96.6	96.2	83.9	79.8	69.3	993	710	7051	133	254	29	34	97.0	3620	3300
750	560	992	400CB	96.7	96.7	96.3	84.3	80.4	70.2	1044	711	7426	128	253	27	33	100.7	3545	3370
800	600	991	400CB	96.7	96.7	96.3	85.2	81.8	72.4	1107	693	7666	128	247	26	32	104.4	3600	3440
845	630	992	400CB	96.7	96.7	96.3	83.9	79.9	69.4	1180	718	8470	136	259	25	30	108.1	3870	3520
870	650	992	400CB	96.8	96.8	96.4	83.8	79.7	69.1	1218	721	8787	134	260	25	30	111.8	3931	3600

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 8P 380V 50HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
		RPM	(EG)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	HOT	COLD	KG-M ²	KG-M ²	KGS
				%	%	%	%	%	%						SEC	SEC			
150	110	743	315AB	95.2	95.1	94.6	81.1	75.0	62.8	217	721	1565	143	253	23	28	32.2	1393	1300
175	132	742	315AB	95.2	95.3	95.1	83.7	79.4	69.1	252	665	1675	123	219	23	28	34.7	1480	1350
200	150	742	315AB	95.2	95.3	94.9	82.3	76.8	65.4	291	664	1934	136	237	21	26	37.1	1613	1400
215	160	742	315CB	95.5	95.5	95.1	83.1	78.3	67.2	307	687	2109	135	241	24	29	44.3	1436	1650
250	185	742	315CB	95.4	95.4	95.0	82.1	76.3	64.6	359	701	2515	143	248	19	24	46.7	1624	1700
268	200	742	315CB	95.4	95.4	95.0	82.1	76.3	64.6	388	696	2702	145	250	19	24	49.2	1829	1750
300	220	742	315DB	95.5	95.6	95.3	84.3	80.1	70.2	415	692	2872	131	232	21	26	58.8	2308	2140
335	250	742	315DB	95.6	95.7	95.4	83.8	79.5	69.4	474	677	3207	132	232	21	26	61.2	2567	2200
350	260	741	315DB	95.5	95.7	95.6	85.0	81.8	73.2	486	689	3350	119	226	23	28	63.7	2398	2250
375	280	741	315DB	95.5	95.7	95.5	84.6	80.7	71.3	527	681	3589	128	224	18	22	66.1	1994	2300
400	300	740	355CB	95.4	95.7	95.6	83.0	81.4	75.0	576	665	3829	112	220	24	30	90.2	3564	2860
425	315	740	355CB	95.6	95.8	95.7	83.2	81.0	73.7	602	676	4068	127	215	24	30	93.9	3200	2920
450	340	740	355CB	95.5	95.8	95.6	83.3	81.2	74.1	649	664	4307	127	214	24	30	97.6	3452	2980
475	355	742	355CB	95.6	95.7	95.3	82.2	77.7	67.4	686	684	4693	143	250	19	23	101.3	3046	3040
500	375	743	400CB	95.8	95.8	95.4	81.7	78.1	67.8	728	657	4786	125	231	31	36	122.4	5483	3060
535	400	743	400CB	96.1	96.0	95.6	81.8	78.1	67.7	774	662	5121	130	225	32	37	132.9	6102	3220
570	425	743	400CB	96.1	96.1	95.7	83.5	80.9	72.7	805	678	5456	120	225	32	37	143.4	6127	3360
600	450	743	400CB	96.1	96.2	95.8	83.2	80.3	71.8	856	671	5743	123	230	31	37	148.6	6624	3440
635	475	743	400CB	96.2	96.2	95.7	81.7	77.6	66.9	919	683	6278	141	241	26	33	159.1	6581	3590
670	500	743	400CB	96.2	96.2	95.7	80.2	75.5	63.8	985	699	6883	150	251	25	31	164.4	7146	3660

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
 Legally binding performance and specification data is given to the end user once each order is confirmed.

ISSUED NOV. 15 2010	PERFORMANCE DATA 3-PHASE HIGH EFFICIENCY INDUCTION MOTORS HIGH VOLTAGE SQUIRREL CAGE	MODEL AFJE
REVISED		400V 50Hz

TEFC, 2P 400V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC			
268	200	2978	315CA	95.3	95.2	94.5	91.5	90.6	86.9	331	736	2437	104	224	19	22	7.6	83	1370
300	220	2978	315CA	95.4	95.3	94.7	91.6	90.7	87.0	363	752	2728	102	222	17	20	8.3	86	1420
335	250	2980	315CA	95.8	95.7	95.1	92.1	91.2	87.3	409	745	3046	113	228	18	21	10.5	97	1570
350	260	2976	315CA	95.4	95.2	94.6	92.3	91.0	87.3	426	747	3183	98	254	16	19	10.5	86	1570
375	280	2975	315CA	95.8	95.7	95.2	91.8	90.6	87.0	460	741	3410	92	242	16	19	10.5	83	1570
400	300	2974	315DA	95.8	95.7	95.3	92.4	91.7	89.1	489	744	3637	94	232	17	21	12.0	97	1870
425	315	2978	315DA	96.1	96.0	95.5	92.5	91.7	88.5	512	755	3865	99	244	23	28	13.5	162	1970
450	340	2975	315DA	96.0	95.9	95.5	92.7	91.8	89.0	552	741	4092	91	254	15	18	13.5	94	1970
475	355	2975	315DA	96.0	95.9	95.5	92.9	92.1	89.4	575	751	4319	92	255	15	18	14.2	94	2020
500	375	2974	315DA	96.1	96.1	95.7	93.0	92.3	89.9	606	750	4547	100	246	14	17	14.2	101	2020
535	400	2974	315DA	96.2	96.2	95.9	93.1	92.5	90.2	645	754	4865	98	244	14	17	14.9	104	2070
570	425	2981	355CA	95.9	95.7	95.1	92.0	90.4	85.4	695	746	5183	98	237	24	31	22.0	164	2500
600	450	2981	355CA	96.1	95.9	95.3	92.2	90.7	85.8	733	744	5456	101	244	23	30	23.2	169	2560
635	475	2980	400CA	95.8	95.4	95.0	89.9	88.1	82.4	797	724	5774	98	223	29	36	30.5	184	3100
670	500	2979	400CA	95.8	95.5	95.1	90.0	88.5	83.4	837	728	6092	93	210	29	36	30.5	199	3100
710	530	2983	400CA	95.9	95.8	95.4	88.5	85.8	78.3	902	734	6616	108	234	24	31	32.2	212	3180
750	560	2981	400CA	95.8	95.7	95.2	90.3	88.7	83.2	935	729	6820	98	231	26	33	33.9	222	3250
800	600	2982	400CA	96.2	96.1	95.5	90.2	88.5	82.9	999	728	7275	107	230	25	32	37.2	247	3400
845	630	2981	400CA	96.1	96.0	95.6	91.1	89.5	84.5	1039	740	7684	105	220	24	31	37.2	235	3400
870	650	2981	400CA	96.1	96.1	95.7	91.2	89.7	85.0	1071	739	7911	102	229	24	31	37.2	245	3400

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

APPD.	T.HSIAO	JAN. 03 2011	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD.	M.Y.HSU	JAN. 03 2011		3A057H712E
DWN.	H.CHEM	NOV. 15 2010		REV.00 1/4

TEFC, 4P 400V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	Time(s)				
															HOT SEC	COLD SEC			
268	200	1487	315CB	95.5	95.5	95.1	86.9	83.6	75.5	348	700	2437	120	236	16	19	23.2	328	1600
300	220	1487	315CB	95.6	95.6	95.2	86.8	83.3	75.2	383	712	2728	124	240	15	18	24.9	349	1650
335	250	1487	315CB	95.7	95.7	95.3	86.0	82.2	72.7	439	694	3046	132	253	14	17	26.6	385	1700
350	260	1485	315CB	95.7	95.8	95.5	87.6	84.9	77.3	448	710	3183	114	225	14	17	26.6	346	1700
375	280	1486	315CB	95.7	95.8	95.5	87.6	84.7	76.8	482	707	3410	119	231	14	17	28.4	367	1760
400	300	1486	315CB	95.8	95.9	95.6	86.8	84.2	76.3	520	699	3637	123	240	14	17	31.8	428	1860
425	315	1487	315DB	96.0	96.1	95.8	87.1	84.5	77.6	544	710	3865	134	226	19	23	31.8	695	2040
450	340	1488	315DB	96.1	96.1	95.8	87.3	84.3	76.1	585	699	4092	155	254	17	21	35.3	792	2150
475	355	1488	315DB	96.2	96.2	95.9	87.5	84.6	77.4	609	709	4319	157	255	17	21	37.0	839	2200
500	375	1488	315DB	96.3	96.3	96.0	86.7	83.2	74.5	648	709	4593	162	268	18	21	40.5	954	2300
535	400	1488	315DB	96.5	96.5	96.2	88.0	85.0	77.9	680	715	4865	169	267	16	19	42.2	958	2350
570	425	1488	355CB	96.4	96.4	95.9	88.7	86.4	79.9	717	723	5183	125	226	25	30	41.2	1213	2500
600	450	1488	355CB	96.4	96.4	96.0	89.4	87.5	81.7	754	724	5456	124	226	25	29	43.5	1246	2560
635	475	1489	355CB	96.6	96.5	96.0	88.2	85.2	77.5	805	725	5835	125	238	22	26	45.9	1202	2620
670	500	1489	355CB	96.6	96.6	96.2	89.3	86.9	80.4	837	728	6092	125	231	22	26	48.3	1220	2680
710	530	1489	355CB	96.7	96.6	96.2	90.2	88.5	82.7	878	735	6456	123	234	21	26	53.0	1267	2800
750	560	1488	355CB	96.7	96.7	96.3	90.3	88.9	83.7	926	737	6820	117	221	21	25	53.0	1231	2800
800	600	1489	400CB	97.0	96.9	96.5	89.0	86.4	79.4	1004	725	7275	121	227	33	39	70.1	2210	3500
845	630	1489	400CB	97.0	96.9	96.6	88.9	86.2	79.1	1055	728	7684	126	226	31	36	70.1	2207	3500
870	650	1489	400CB	97.1	97.0	96.7	88.8	86.0	78.8	1089	726	7911	124	229	31	37	73.1	2282	3580
900	670	1489	400CB	97.1	97.0	96.7	88.5	85.5	78.0	1126	727	8184	115	233	29	34	73.1	2099	3580
950	710	1489	400CB	97.1	97.1	96.8	89.6	87.3	80.8	1179	733	8639	114	226	28	33	76.1	2102	3650

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 6P 400V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	Time(s)				
															HOT SEC	COLD SEC			
200	150	989	315AB	94.7	94.6	94.0	85.8	83.4	75.9	266	684	1819	119	230	30	36	21.8	1249	1350
215	160	990	315AB	94.8	94.8	94.1	85.0	82.5	75.0	286	684	1955	117	231	30	36	23.6	1364	1400
250	185	990	315AB	95.1	95.0	94.4	86.1	82.9	74.2	326	697	2273	121	238	25	30	25.3	1271	1450
268	200	991	315CB	95.2	95.0	94.4	83.9	79.4	69.2	362	683	2474	124	255	27	33	28.9	1573	1640
300	220	989	315CB	95.2	95.3	94.8	86.6	84.6	77.9	385	709	2728	120	230	28	33	30.6	1645	1690
335	250	989	315CB	95.3	95.4	95.0	86.8	84.6	77.7	436	699	3046	126	225	26	31	34.2	1760	1790
350	260	990	315DB	95.4	95.4	95.0	86.6	84.3	77.1	454	701	3183	127	230	27	33	37.7	1958	2080
375	280	990	315DB	95.5	95.5	95.0	86.2	83.5	75.6	491	695	3410	118	242	26	31	39.5	1922	2130
400	300	990	315DB	95.5	95.5	95.1	85.1	81.4	72.6	533	682	3637	121	248	24	28	39.5	1976	2130
425	315	990	315DB	95.7	95.7	95.3	85.6	82.4	73.7	555	696	3865	125	254	24	28	43.0	2138	2230
450	340	990	355CB	95.8	95.8	95.4	88.7	87.2	82.1	578	708	4092	128	230	25	30	62.5	2286	2500
475	355	990	355CB	95.8	95.8	95.4	88.9	87.6	82.9	602	717	4319	127	226	25	30	65.6	2351	2560
500	375	990	355CB	95.8	95.9	95.5	89.0	87.9	83.3	635	716	4547	126	225	25	30	68.6	2426	2620
535	400	990	355CB	96.1	96.1	95.7	88.9	87.2	81.8	676	720	4865	122	228	22	27	71.7	2254	2680
570	425	991	355CB	96.1	96.2	95.8	88.8	86.9	81.1	719	721	5187	130	240	19	24	77.9	2178	2800
600	450	991	355CB	96.3	96.3	95.9	88.0	85.1	78.0	767	765	5871	150	260	18	22	80.9	2520	2860
635	475	991	400CB	96.5	96.6	96.2	85.7	83.0	75.0	829	697	5774	124	219	30	36	86.0	3866	3070
670	500	991	400CB	96.6	96.6	96.3	85.5	82.8	74.8	874	697	6092	124	220	31	37	89.7	4018	3140
710	530	991	400CB	96.6	96.6	96.3	85.9	83.1	75.1	922	700	6456	119	233	29	35	97.0	4054	3300
750	560	991	400CB	96.6	96.7	96.4	86.6	84.0	77.3	966	706	6820	124	219	30	36	100.7	4316	3370
800	600	991	400CB	96.6	96.7	96.4	86.2	83.7	76.1	1040	700	7275	128	224	28	34	104.4	4518	3440
845	630	991	400CB	96.7	96.8	96.5	85.4	82.4	74.1	1101	698	7684	119	235	27	32	108.1	4392	3520
870	650	991	400CB	96.7	96.7	96.4	85.4	82.4	74.1	1136	676	7684	119	235	27	32	108.1	4532	3520

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 8P 400V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	Time(s)				
															HOT SEC	COLD SEC			
150	110	742	315AB	95.2	95.2	94.8	82.2	76.7	65.2	203	703	1427	136	243	25	31	32.2	1141	1300
175	132	742	315AB	95.2	95.3	95.0	83.0	78.2	67.6	241	660	1591	128	227	23	29	34.7	1433	1350
200	150	742	315AB	95.2	95.2	94.8	81.5	75.6	63.7	279	675	1883	140	243	20	25	37.1	1224	1400
215	160	742	315CB	95.4	95.5	95.0	82.8	78.0	66.7	292	693	2025	137	243	22	27	44.3	1436	1650
250	185	741	315CB	95.3	95.5	95.2	84.2	80.3	70.3	333	683	2273	125	221	23	28	46.7	1559	1700
268	200	742	315CB	95.4	95.5	95.0	82.3	76.7	65.0	368	692	2547	143	248	19	23	49.2	1699	1750
300	220	742	315DB	95.5	95.6	95.3	84.7	80.8	71.3	393	694	2728	127	226	21	26	58.8	2146	2140
335	250	741	315DB	95.5	95.7	95.4	84.5	80.5	70.9	447	681	3046	127	224	20	25	61.2	2009	2200
350	260	742	315DB	95.6	95.7	95.4	83.3	78.6	68.0	471	682	3213	138	241	20	25	63.7	1976	2250
375	280	741	315DB	95.5	95.7	95.5	85.0	81.4	72.6	498	685	3410	122	230	22	27	66.1	2556	2300
400	300	742	355CB	95.4	95.5	95.2	82.5	78.8	69.6	550	661	3637	124	226	22	27	90.2	2920	2860
425	315	741	355CB	95.2	95.3	95.1	82.7	79.2	70.2	577	670	3865	128	229	21	26	93.9	2772	2920
450	340	741	355CB	95.2	95.4	95.1	82.8	79.4	70.6	622	658	4092	128	227	21	26	97.6	2938	2980
475	355	741	355CB	95.3	95.4	95.2	82.9	79.5	70.7	649	665	4319	128	227	22	27	101.3	3193	3040
500	375	742	400CB	95.7	95.7	95.4	83.2	80.0	71.1	680	669	4547	113	215	22	28	122.4	5602	3060
535	400	743	400CB	96.0	95.9	95.4	80.3	75.8	64.3	749	659	4935	140	236	26	32	132.9	5310	3220
570	425	743	400CB	96.0	96.0	95.6	82.7	79.5	70.0	773	671	5183	128	220	29	36	143.4	5789	3360
600	450	743	400CB	96.0	96.1	95.6	83.0	79.7	70.0	815	669	5456	131	222	29	36	148.6	6185	3440
635	475	742	400CB	96.1	96.1	95.8	84.0	81.7	74.0	849	680	5774	120	225	29	36	159.1	7099	3590
670	500	743	400CB	96.2	96.2	95.9	83.5	80.7	72.4	899	678	6092	125	232	29	36	164.4	7661	3660

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
 Legally binding performance and specification data is given to the end user once each order is confirmed.

ISSUED JAN. 09 2009	PERFORMANCE DATA 3-PHASE HIGH EFFICIENCY INDUCTION MOTORS HIGH VOLTAGE SQUIRREL CAGE	MODEL AFJE
REVISED NOV. 15 2010		415V 50Hz

TEFC, 2P 415V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC			
268	200	2981	315CA	95.2	94.8	93.9	90.3	88.1	82.1	324	725	2349	117	236	19	23	8.3	86	1420
300	220	2981	315CA	95.4	95.1	94.2	90.4	88.1	81.8	355	741	2629	123	245	17	20	9.1	90	1470
335	250	2981	315CA	95.6	95.3	94.5	91.8	90.3	85.4	397	740	2936	124	248	16	20	10.5	101	1570
350	260	2975	315CA	95.3	95.2	94.5	92.5	91.5	88.2	410	748	3068	92	243	17	20	10.5	83	1570
375	280	2977	315CA	95.5	95.3	94.7	91.0	88.9	84.0	448	762	3412	102	265	15	18	10.5	86	1570
400	300	2976	315DA	95.5	95.4	94.8	92.0	90.9	87.4	475	738	3506	93	254	16	19	12.0	90	1870
425	315	2977	315DA	95.7	95.6	95.0	92.6	91.7	88.0	494	776	3832	95	266	15	18	13.5	94	1970
450	340	2977	315DA	95.8	95.6	95.1	92.2	90.9	87.1	536	794	4255	102	278	14	17	13.5	98	1970
475	355	2977	315DA	95.8	95.6	95.1	92.4	91.2	87.0	558	808	4507	102	280	13	16	14.2	100	2020
500	375	2976	315DA	95.9	95.8	95.3	92.7	91.5	88.3	587	776	4557	111	269	13	16	14.2	104	2020
535	400	2975	315DA	96.1	96.0	95.5	92.8	91.8	88.7	624	773	4821	98	267	13	16	14.9	108	2070
570	425	2980	355CA	95.9	95.8	95.2	92.2	90.8	86.2	669	747	4996	96	232	25	32	22.0	162	2500
600	450	2981	355CA	96.1	96.0	95.3	92.2	90.4	85.3	707	744	5259	114	248	22	29	23.2	183	2560
635	475	2982	400CA	95.8	95.4	94.9	88.8	86.1	78.8	777	745	5787	107	227	27	34	30.5	212	3100
670	500	2981	400CA	95.8	95.5	95.0	89.0	86.7	80.0	816	720	5872	102	230	27	34	30.5	217	3100
710	530	2980	400CA	95.7	95.6	95.3	90.5	89.2	84.3	851	731	6223	91	215	28	35	32.2	206	3180
750	560	2983	400CA	96.1	95.9	95.4	89.2	86.8	79.8	910	732	6659	106	235	24	31	33.9	217	3250
800	600	2984	400CA	96.4	96.2	95.6	89.1	86.7	79.7	972	764	7427	117	249	24	31	37.2	263	3400
845	630	2983	400CA	96.3	96.2	95.7	90.2	87.9	81.5	1009	748	7549	114	238	23	30	37.2	249	3400
870	650	2982	400CA	96.3	96.2	95.8	90.3	88.2	82.0	1040	733	7625	111	232	23	30	37.2	245	3400

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

APPD.	T.HSIAO	JAN. 03 2011	TECO Electric & Machinery Co., Ltd.	DWG NO.	3A057H611E
CHKD.	M.Y.HSU	JAN. 03 2011		REV.01	
DWN.	H.CHEM	NOV. 15 2010		1/4	

TEFC, 4P 415V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC			
268	200	1488	315CB	95.5	95.3	94.6	84.1	78.4	67.5	347	695	2410	141	273	15	18	23.2	378	1600
300	220	1488	315CB	95.6	95.5	94.8	83.4	77.2	66.4	384	719	2759	148	280	14	17	24.9	284	1650
335	250	1488	315CB	95.7	95.6	95.1	84.2	78.5	68.1	432	694	2996	146	274	13	16	26.6	421	1700
350	260	1487	315CB	95.7	95.6	95.1	84.3	79.5	68.6	448	685	3068	138	263	13	16	26.6	407	1700
375	280	1488	315CB	95.8	95.7	95.2	83.8	78.7	67.3	485	690	3345	144	274	12	15	28.4	439	1760
400	300	1488	315CB	95.9	95.8	95.3	83.2	77.1	66.7	523	708	3705	151	286	13	16	31.8	385	1860
425	315	1488	315DB	96.0	96.0	95.5	85.0	80.6	71.4	537	707	3799	163	266	17	21	31.8	803	2040
450	340	1489	315DB	96.1	96.0	95.6	85.5	81.3	71.3	576	720	4145	171	276	16	20	35.3	803	2150
475	355	1489	315DB	96.2	96.1	95.7	85.8	81.7	73.0	599	732	4382	173	278	16	20	37.0	493	2200
500	375	1489	315DB	96.3	96.2	95.8	85.1	80.4	69.8	637	758	4826	178	292	17	20	40.5	835	2300
535	400	1489	315DB	96.5	96.4	96.1	86.3	82.3	73.7	669	762	5095	187	290	15	18	42.2	806	2350
570	425	1488	355CB	96.6	96.6	96.2	88.9	86.6	80.2	689	725	4996	124	225	25	30	41.2	1206	2500
600	450	1488	355CB	96.7	96.7	96.4	89.5	87.7	82.0	724	726	5259	123	224	25	30	43.5	1238	2560
635	475	1489	355CB	96.7	96.7	96.3	88.6	85.8	78.6	772	721	5566	122	232	22	27	45.9	1177	2620
670	500	1489	355CB	96.8	96.8	96.4	88.9	86.3	79.3	809	726	5872	124	236	21	26	48.3	1220	2680
710	530	1488	355CB	96.8	96.8	96.6	90.5	89.0	83.8	842	739	6223	118	226	22	26	53.0	1242	2800
750	560	1489	355CB	96.9	96.8	96.4	89.1	87.0	79.6	903	745	6726	130	243	20	23	53.0	1310	2800
800	600	1490	400CB	97.1	97.0	96.5	86.6	82.3	73.4	994	761	7562	128	260	29	35	70.1	2009	3500
845	630	1490	400CB	97.0	96.9	96.6	87.0	83.1	74.9	1038	728	7561	121	246	29	34	70.1	1937	3500
870	650	1490	400CB	97.1	97.0	96.6	86.9	82.9	74.5	1072	736	7885	120	249	29	35	73.1	1999	3580
900	670	1490	400CB	97.1	97.1	96.7	87.2	83.4	75.4	1101	716	7888	116	241	29	34	73.1	1960	3580
950	710	1490	400CB	97.1	97.1	96.7	87.9	84.5	76.9	1157	730	8444	126	247	26	31	76.1	2031	3650

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 6P 415V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC			
200	150	991	315AB	95.2	95.1	94.6	83.7	79.1	68.7	262	669	1753	121	248	29	35	21.8	1220	1350
215	160	991	315AB	95.2	95.1	94.6	82.8	77.9	67.3	282	670	1890	120	250	30	36	23.6	1346	1400
250	185	990	315AB	95.5	95.4	94.9	84.2	79.3	68.5	320	710	2271	134	261	24	29	25.3	1058	1450
268	200	991	315CB	95.4	95.3	94.7	80.7	74.5	62.4	362	720	2605	138	280	26	32	28.9	1145	1640
300	220	991	315CB	95.6	95.6	95.1	82.3	76.8	65.4	389	721	2805	135	272	25	29	30.6	1753	1690
335	250	991	315CB	95.7	95.7	95.1	81.5	75.6	63.6	446	735	3280	145	287	22	28	34.2	1530	1790
350	260	991	315DB	95.7	95.7	95.2	83.8	78.8	68.4	451	735	3313	135	275	25	29	37.7	2063	2080
375	280	991	315DB	95.8	95.8	95.2	82.1	76.3	64.6	496	748	3708	144	290	23	28	39.5	1818	2130
400	300	991	315DB	95.6	95.5	95.0	82.9	77.7	66.7	527	704	3709	135	272	23	27	39.5	2171	2130
425	315	991	315DB	95.7	95.6	95.1	83.7	78.7	67.9	547	732	4005	139	278	23	27	43.0	1429	2230
450	340	991	355CB	96.0	95.9	95.4	88.0	85.7	79.3	560	704	3944	125	237	23	28	62.5	2088	2500
475	355	991	355CB	96.0	95.9	95.5	88.4	86.5	80.6	582	715	4163	123	232	23	28	65.6	2124	2560
500	375	991	355CB	96.0	96.0	95.6	88.7	86.9	81.3	613	715	4382	122	230	23	27	68.6	2192	2620
535	400	991	355CB	96.2	96.2	95.8	87.8	85.0	78.1	659	743	4895	137	250	20	24	71.7	2383	2680
570	425	991	355CB	96.2	96.3	95.9	89.0	87.2	81.7	690	724	4996	127	236	21	26	77.9	2401	2800
600	450	991	355CB	96.4	96.4	96.0	89.0	87.1	81.5	730	720	5259	130	239	21	25	80.9	2527	2860
635	475	992	400CB	96.8	96.8	96.3	84.0	80.1	69.9	813	685	5566	120	239	30	36	86.0	3834	3070
670	500	992	400CB	96.8	96.8	96.4	83.9	80.0	69.8	856	688	5889	122	243	29	35	89.7	3992	3140
710	530	992	400CB	96.8	96.8	96.4	84.3	80.3	70.0	904	719	6496	133	256	28	33	97.0	4403	3300
750	560	992	400CB	96.9	96.9	96.5	85.3	82.0	73.1	943	697	6573	122	242	28	34	100.7	4259	3370
800	600	992	400CB	96.9	96.9	96.5	84.7	81.1	71.3	1017	697	7085	126	247	27	32	104.4	4468	3440
845	630	992	400CB	96.9	96.9	96.6	83.5	79.3	68.6	1083	719	7785	133	258	25	30	108.1	4792	3520
870	650	992	400CB	96.9	96.9	96.6	84.1	80.0	69.6	1110	725	8047	138	262	25	30	111.8	4986	3600

NOTE :

1. Test standard : IEC 60034 or JEC 37.
 2. Tolerance : IEC 60034.
 3. Safe Stall Time : 2 Cold 1 Hot.
 4. Data presented in rating lists are typical values. Guaranteed values on request.
- Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 8P 415V 50HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC			
150	110	743	315AB	95.2	95.1	94.5	79.6	72.6	59.7	202	743	1501	151	265	22	28	32.2	979	1300
175	132	742	315AB	95.2	95.2	94.8	81.2	75.0	62.9	238	685	1631	142	248	21	26	34.7	1253	1350
200	150	742	315AB	95.2	95.3	94.8	81.7	75.9	64.2	268	673	1803	139	241	19	24	37.1	1087	1400
215	160	742	315CB	95.4	95.5	95.1	83.3	78.6	67.6	280	684	1915	134	238	22	27	44.3	1746	1650
250	185	742	315CB	95.4	95.5	95.1	82.8	77.8	66.4	326	687	2240	138	242	21	26	46.7	1523	1700
268	200	742	315CB	95.4	95.5	95.1	82.8	77.9	66.8	352	673	2369	137	238	19	23	49.2	1890	1750
300	220	742	315DB	95.5	95.6	95.2	82.9	78.0	67.1	387	710	2746	141	248	19	23	58.8	1879	2140
335	250	742	315DB	95.5	95.6	95.2	82.6	77.5	66.4	441	687	3031	141	246	18	23	61.2	2002	2200
350	260	742	315DB	95.6	95.6	95.2	81.2	74.9	62.7	466	726	3385	154	264	18	22	63.7	2531	2250
375	280	742	315DB	95.6	95.7	95.5	83.7	79.3	68.9	487	675	3287	135	236	20	24	66.1	2768	2300
400	300	742	355CB	95.4	95.5	95.2	82.5	78.8	69.6	530	662	3506	124	227	23	29	90.2	3172	2860
425	315	742	355CB	95.5	95.6	95.2	81.5	77.3	66.8	563	693	3901	144	252	19	23	93.9	2776	2920
450	340	742	355CB	95.5	95.6	95.2	81.7	77.6	67.2	606	675	4093	144	250	19	24	97.6	2945	2980
475	355	742	355CB	95.6	95.7	95.3	82.2	77.6	67.3	629	686	4312	144	251	19	24	101.3	3240	3040
500	375	743	400CB	95.8	95.8	95.3	80.5	76.3	65.1	676	648	4382	131	226	29	36	122.4	5530	3060
535	400	743	400CB	96.0	96.0	95.5	81.2	77.1	66.2	714	657	4689	134	230	29	36	132.9	5702	3220
570	425	743	400CB	96.1	96.1	95.7	83.2	80.5	72.0	740	675	4996	122	228	29	36	143.4	6505	3360
600	450	743	400CB	96.1	96.2	95.8	83.1	80.2	71.6	784	671	5259	124	230	29	36	148.6	6934	3440
635	475	743	400CB	96.2	96.2	95.7	82.2	78.5	68.2	836	675	5640	138	236	28	35	159.1	6973	3590
670	500	743	400CB	96.2	96.2	95.7	81.3	77.1	66.1	889	686	6102	144	243	28	35	164.4	7538	3660

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

ISSUED JAN. 09 2009	PERFORMANCE DATA 3-PHASE HIGH EFFICIENCY INDUCTION MOTORS HIGH VOLTAGE SQUIRREL CAGE	MODEL AFJE
REVISED NOV. 15 2010		440V 60Hz

TEFC, 2P 440V 60HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC			
268	200	3578	315CA	95.2	94.9	94.0	89.9	88.6	83.7	307	721	2215	95	210	23	28	6.9	64	1320
300	220	3577	315CA	95.4	95.2	94.4	91.4	91.0	88.0	331	749	2480	90	230	22	26	7.6	72	1370
335	250	3577	315CA	95.6	95.4	94.6	91.7	91.3	88.2	374	740	2769	95	214	19	23	8.3	68	1420
350	260	3579	315CA	95.8	95.5	94.8	92.3	91.7	88.6	386	749	2893	104	219	21	25	10.5	72	1570
375	280	3573	315CA	95.6	95.4	94.8	92.5	92.1	89.5	416	745	3100	84	226	20	24	9.8	64	1520
400	300	3573	315CA	95.7	95.6	95.0	92.3	91.9	89.3	445	743	3307	86	220	19	23	10.5	64	1570
425	315	3573	315DA	95.8	95.6	95.1	92.5	92.4	90.2	467	752	3513	79	227	21	25	12.0	72	1870
450	340	3573	315DA	95.9	95.7	95.2	92.8	92.6	90.5	501	743	3720	83	226	20	24	13.5	72	1970
475	355	3574	315DA	96.0	95.8	95.3	92.9	92.6	90.1	522	752	3927	87	236	18	22	13.5	72	1970
500	375	3574	315DA	96.0	95.9	95.4	93.1	92.7	90.4	551	750	4133	88	239	18	21	14.2	72	2020
535	400	3575	315DA	96.3	96.1	95.6	93.0	92.5	89.8	586	755	4423	93	250	16	19	14.2	76	2020
570	425	3575	315DA	96.3	96.2	95.7	93.2	92.7	90.0	622	758	4712	94	254	15	18	14.9	76	2070
600	450	3576	315DA	96.3	96.2	95.7	93.0	92.1	88.6	660	757	4999	92	272	13	16	14.9	76	2070
635	475	3581	355CA	96.4	96.2	95.6	92.6	91.5	87.3	699	751	5249	92	238	25	32	22.0	100	2500
670	500	3580	355CA	96.5	96.3	95.7	93.1	92.2	88.5	731	758	5539	88	236	25	32	23.2	112	2560
710	530	3576	400CA	96.0	95.8	95.2	90.8	90.4	87.2	798	735	5869	91	215	27	34	30.5	118	3100
750	560	3582	400CA	95.8	95.8	95.3	90.7	89.2	83.9	846	733	6200	96	231	28	35	32.2	126	3180
800	600	3580	400CA	96.1	96.0	95.5	91.3	90.5	86.7	898	736	6613	95	213	28	35	33.9	137	3250
845	630	3582	400CA	96.6	96.5	95.9	91.1	90.0	85.9	940	743	6985	94	228	29	36	37.2	142	3400
870	650	3582	400CA	96.6	96.4	95.9	91.5	90.0	85.3	965	745	7192	93	229	26	33	37.2	155	3400
900	670	3580	400CA	96.5	96.4	96.0	91.8	91.1	87.5	993	749	7440	91	218	28	35	37.2	163	3400

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

APPD.	T.HSIAO	JAN. 03 2011	TECO Electric & Machinery Co., Ltd.	DWG NO.	3A057H612E
CHKD.	M.Y.HSU	JAN. 03 2011		REV.01	
DWN.	H.CHEM	NOV. 15 2010		1/4	

TEFC, 4P 440V 60HZ

OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS
HP	(kW)			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC			
268	200	1787	315CB	96.0	95.9	95.3	87.1	84.2	76.1	314	705	2215	120	231	18	21	21.4	234	1550
300	220	1786	315CB	96.0	96.0	95.5	88.1	85.6	78.7	341	727	2480	114	220	17	21	23.2	234	1600
335	250	1786	315CB	96.1	96.1	95.7	88.1	85.5	78.3	388	714	2769	119	228	16	19	24.9	252	1650
350	260	1786	315CB	96.2	96.2	95.8	88.1	85.4	78.0	402	720	2893	125	238	15	18	26.6	274	1700
375	280	1786	315CB	96.2	96.2	95.8	88.3	86.0	79.1	433	716	3100	116	224	15	18	26.6	259	1700
400	300	1786	315CB	96.2	96.3	95.9	88.3	85.7	78.5	463	714	3307	122	234	14	17	28.4	281	1760
425	315	1786	315CB	96.4	96.4	96.0	87.6	84.7	77.2	490	717	3513	128	244	15	18	31.8	328	1860
450	340	1787	315DB	96.5	96.5	96.2	88.4	86.4	80.1	523	711	3720	139	226	20	24	31.8	529	2040
475	355	1787	315DB	96.5	96.5	96.2	88.8	86.7	80.5	544	722	3927	146	236	20	24	35.3	587	2150
500	375	1787	315DB	96.6	96.6	96.3	88.9	86.9	80.8	573	721	4133	148	237	20	23	37.0	612	2200
535	400	1788	315DB	96.8	96.8	96.5	88.4	86.1	79.5	613	722	4423	149	244	20	24	40.5	684	2300
570	425	1787	315DB	96.8	96.9	96.6	89.3	87.3	81.3	645	731	4712	159	245	18	22	42.2	698	2350
600	450	1787	315DB	96.8	96.9	96.6	89.1	87.1	80.9	684	725	4960	155	244	18	21	42.2	688	2350
635	475	1787	355CB	96.7	96.6	96.2	90.7	90.3	87.0	711	738	5249	105	208	30	36	43.5	893	2560
670	500	1787	355CB	96.7	96.7	96.3	90.8	90.4	87.0	747	741	5539	106	213	29	34	45.9	922	2620
710	530	1787	355CB	96.8	96.8	96.4	91.0	90.6	87.4	790	743	5869	107	214	28	33	48.3	950	2680
750	560	1788	355CB	96.8	96.8	96.4	91.3	90.9	87.7	831	746	6200	116	223	27	32	53.0	1051	2800
800	600	1788	355CB	96.9	96.9	96.5	91.2	90.4	86.5	891	742	6613	124	219	24	28	53.0	1015	2800
845	630	1789	400CB	97.1	97.0	96.6	90.7	89.2	84.2	939	744	6985	112	225	30	35	70.1	1451	3500
870	650	1789	400CB	97.1	97.0	96.6	90.7	89.5	84.7	969	742	7192	108	219	30	35	70.1	1432	3500
900	670	1789	400CB	97.2	97.1	96.7	90.7	89.3	84.5	998	745	7440	105	219	30	36	73.1	1471	3580
950	710	1788	400CB	97.2	97.1	96.8	90.7	89.8	85.4	1057	743	7853	100	221	30	35	73.1	1499	3580
1000	750	1788	400CB	97.2	97.1	96.8	91.3	90.3	86.2	1110	745	8267	110	229	30	36	76.1	1574	3650

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 6P 440V 60HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
				LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	%	HOT	COLD			
		RPM	(EG)	%	%	%	%	%	%						SEC	SEC	KG-M ²	KG-M ²	KGS
200	150	1190	315AB	95.6	95.5	95.0	85.7	82.9	75.1	240	689	1653	113	220	34	41	20.0	756	1300
215	160	1189	315AB	95.6	95.6	95.2	86.9	85.1	79.0	253	702	1777	104	219	35	42	21.8	808	1350
250	185	1188	315AB	95.7	95.8	95.4	86.2	84.9	79.5	295	701	2067	94	229	36	43	23.6	924	1400
268	200	1189	315AB	95.8	95.8	95.5	88.0	86.1	80.3	311	712	2215	115	232	29	35	25.3	984	1450
300	220	1190	315CB	95.9	95.9	95.5	86.3	83.9	76.9	349	711	2480	113	223	31	37	28.9	1092	1640
335	250	1189	315CB	96.0	96.0	95.7	87.0	85.1	78.8	393	705	2769	111	230	29	34	30.6	1208	1690
350	260	1190	315CB	96.1	96.0	95.6	86.8	84.1	76.6	409	707	2893	127	244	27	33	34.2	1256	1790
375	280	1190	315DB	96.1	96.1	95.8	87.4	85.3	78.9	437	709	3100	116	229	30	36	37.7	1336	2080
400	300	1190	315DB	96.2	96.2	95.8	87.0	84.5	77.3	471	702	3307	124	242	28	33	39.5	1416	2130
425	315	1189	315DB	96.0	96.0	95.5	87.2	85.1	78.7	494	711	3513	117	227	27	33	39.5	1496	2130
450	340	1190	315DB	96.0	96.0	95.5	87.5	85.5	79.0	531	701	3720	120	233	27	32	43.0	1572	2230
475	355	1189	315DB	96.0	96.0	95.7	87.6	86.0	80.1	554	709	3927	114	220	27	32	43.0	1652	2230
500	375	1190	355CB	96.5	96.4	96.0	89.1	88.0	83.4	573	721	4133	119	222	27	32	62.5	1728	2500
535	400	1189	355CB	96.6	96.6	96.2	89.2	88.4	84.2	609	726	4423	116	216	26	32	65.6	1836	2560
570	425	1189	355CB	96.6	96.7	96.3	89.3	88.7	84.8	646	729	4712	114	212	27	32	68.6	1940	2620
600	450	1189	355CB	96.7	96.7	96.4	89.2	88.5	84.5	685	724	4960	112	213	26	31	71.7	2032	2680
635	475	1189	355CB	96.7	96.8	96.5	89.6	88.8	84.7	719	730	5249	122	223	24	30	77.9	2136	2800
670	500	1189	355CB	96.7	96.8	96.6	89.3	89.0	85.5	760	729	5539	110	208	26	32	80.9	2240	2860
710	530	1191	400CB	96.8	96.8	96.5	87.9	86.5	81.0	817	718	5869	99	213	28	35	89.7	2356	3140
750	560	1191	400CB	96.8	96.8	96.5	88.3	86.7	81.2	860	721	6200	110	225	28	35	97.0	2472	3300
800	600	1190	400CB	96.9	96.9	96.6	88.4	87.4	82.8	920	719	6613	98	209	28	35	100.7	2616	3370
845	630	1190	400CB	96.9	96.9	96.7	88.3	87.0	82.0	966	723	6985	102	215	28	35	104.4	2744	3440
870	650	1191	400CB	97.0	97.0	96.7	88.0	86.1	80.1	1000	719	7192	112	231	28	35	108.1	2812	3520
900	670	1191	400CB	97.0	97.0	96.7	88.3	86.6	80.8	1026	725	7440	117	219	28	35	111.8	2896	3600

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
Legally binding performance and specification data is given to the end user once each order is confirmed.

TEFC, 8P 440V 60HZ

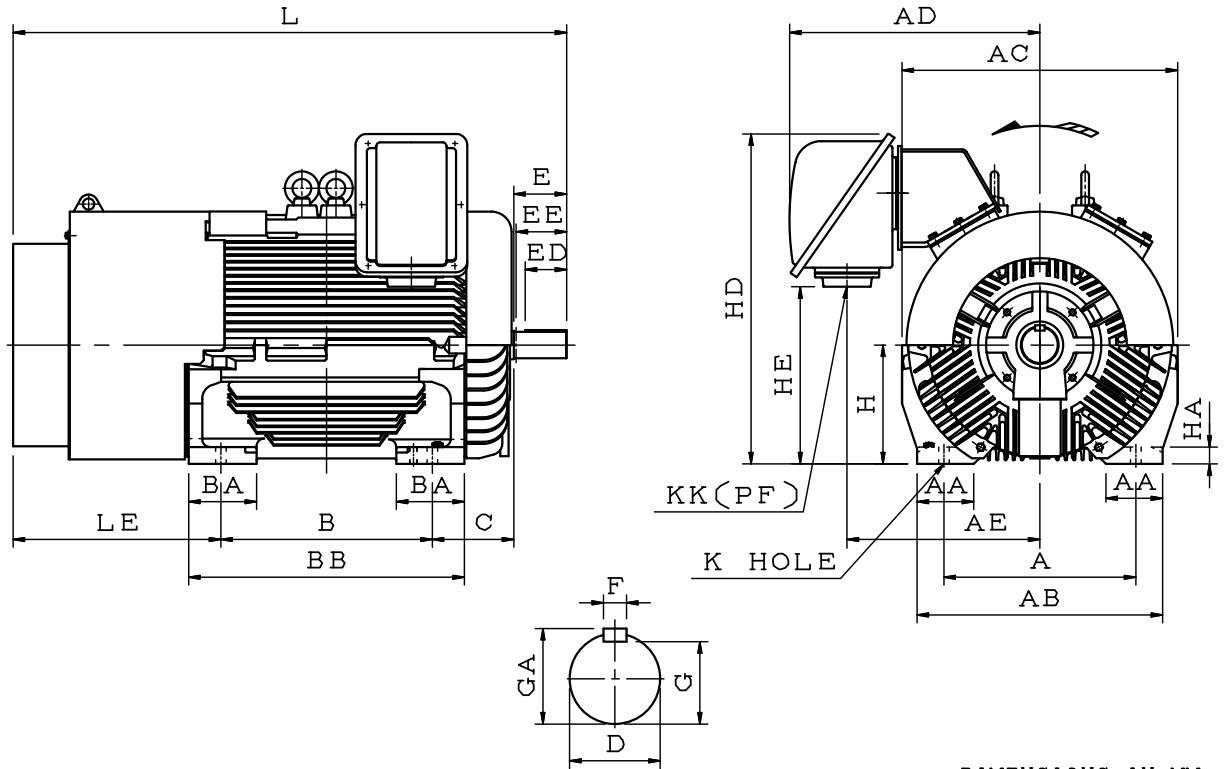
OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
				LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	%	HOT	COLD			
		RPM	(EG)	%	%	%	%	%	%						SEC	SEC	KG-M ²	KG-M ²	KGS
150	110	892	315AB	95.2	95.3	95.0	85.0	82.0	73.8	178	697	1240	120	222	28	35	32.2	1152	1300
175	132	891	315AB	95.3	95.3	95.1	85.2	81.9	73.5	213	679	1447	122	220	27	35	32.2	1210	1300
200	150	891	315AB	95.3	95.4	95.2	85.3	82.5	75.0	242	683	1653	117	210	28	34	34.7	1199	1350
215	160	891	315AB	95.4	95.5	95.2	85.3	82.2	74.5	258	689	1777	121	217	25	32	37.1	1238	1400
250	185	891	315CB	95.4	95.5	95.2	85.5	82.4	74.7	298	694	2067	125	221	23	29	44.3	1346	1650
268	200	891	315CB	95.5	95.6	95.4	85.8	83.0	75.7	320	692	2215	121	218	27	34	46.7	1670	1700
300	220	890	315CB	95.4	95.6	95.4	86.1	83.9	77.2	351	707	2480	115	206	25	31	49.2	1555	1750
335	250	892	315DB	95.6	95.6	95.3	85.1	81.5	72.6	403	687	2769	119	223	20	25	58.8	1487	2140
350	260	891	315DB	95.7	95.8	95.5	85.9	82.9	75.1	415	697	2893	126	226	24	30	61.2	2041	2200
375	280	891	315DB	95.8	95.8	95.6	85.4	82.0	73.4	449	690	3100	117	221	24	30	63.7	1998	2250
400	300	890	315DB	95.7	95.9	95.7	86.4	84.2	77.6	476	695	3307	118	212	26	33	66.1	2304	2300
425	315	891	355CB	95.7	95.8	95.4	82.9	79.8	71.5	521	674	3513	126	229	25	31	90.2	2491	2860
450	340	891	355CB	95.8	95.8	95.6	83.2	80.4	72.5	560	664	3720	126	226	25	31	93.9	2599	2920
475	355	892	355CB	95.8	95.8	95.5	82.7	79.0	70.0	588	668	3927	126	235	21	26	97.6	2308	2980
500	375	892	355CB	95.9	95.9	95.5	82.8	79.1	70.2	620	667	4133	127	236	21	26	101.3	2520	3040
535	400	891	355CB	96.0	96.0	95.8	83.2	80.2	71.9	657	673	4423	118	220	21	26	101.3	2448	3040
570	425	893	400CB	96.5	96.5	96.0	84.5	82.1	74.5	684	689	4712	125	218	27	34	132.9	3944	3220
600	450	892	400CB	96.5	96.5	96.1	85.5	84.1	78.0	716	693	4960	115	206	28	35	143.4	4128	3360
635	475	892	400CB	96.5	96.5	96.1	85.5	84.0	78.0	756	694	5249	116	207	28	35	148.6	4344	3440
670	500	892	400CB	96.5	96.6	96.2	85.3	84.6	79.6	798	694	5539	107	221	27	34	159.1	4556	3590
710	530	892	400CB	96.6	96.6	96.3	85.2	84.2	78.9	845	695	5869	111	227	27	34	164.4	4800	3660

NOTE :

1. Test standard : IEC 60034 or JEC 37.
2. Tolerance : IEC 60034.
3. Safe Stall Time : 2 Cold 1 Hot.
4. Data presented in rating lists are typical values. Guaranteed values on request.
 Legally binding performance and specification data is given to the end user once each order is confirmed.

ISSUED JAN. 09 2009	OUTLINE DIMENSION SHEET	MODEL AFJE
REVISED NOV. 15 2010		3-PHASE HIGH EFFICIENCY INDUCTION MOTORS FRAME NO. (EG) 315CA

TOTALLY ENCLOSED FAN COOLED TYPE. SQUIRREL CAGE ROTOR



DIMENSIONS IN MM

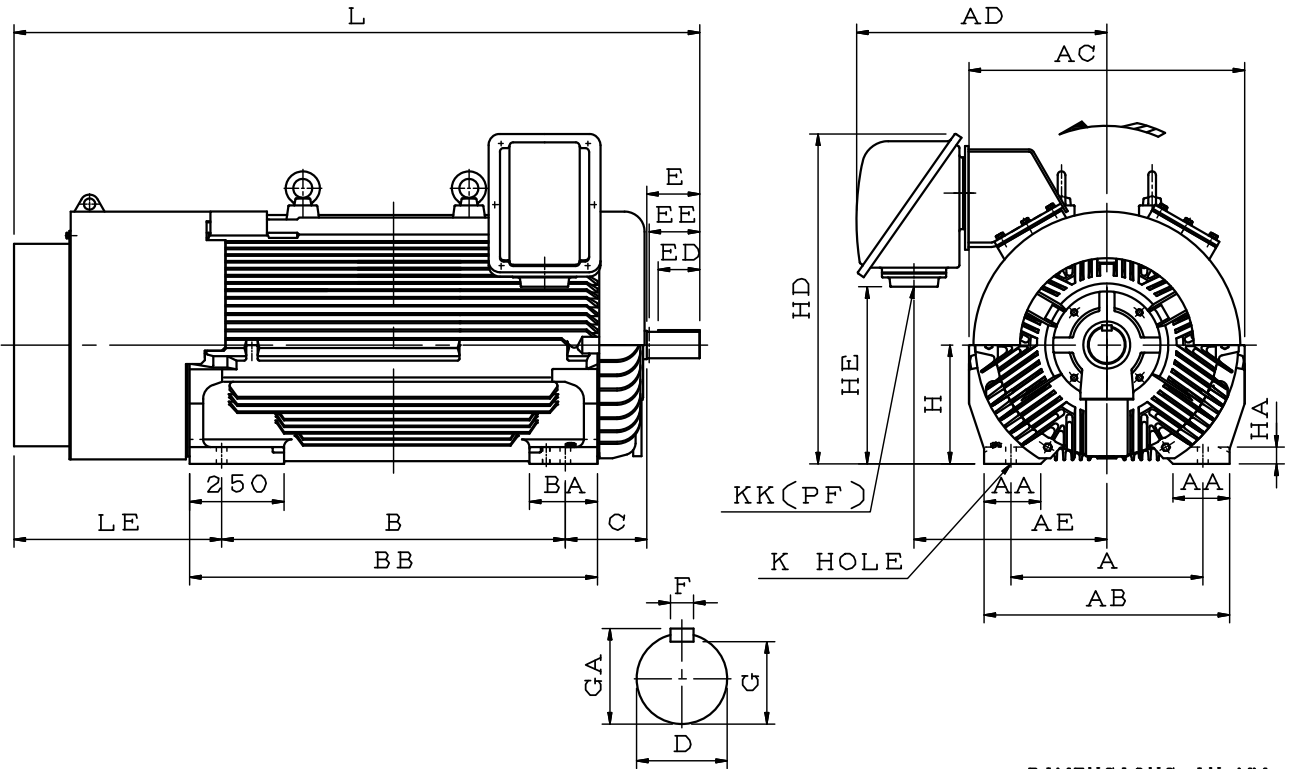
FRAME NO. (EG)	POLE	A	AA	AB	AC	AD	AE	B	BA	BB	C	D	E	ED	EE
315CA-70R	2P	508	150	650	730	666	511	710	180	880	216	70	140	110	134 134
FRAME NO. (EG)	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING			
315CA-70R	20	62.5	74.5	315	45	874	469	28	4"	1636	570	DRIVE-END		OPP. DRIVE-END	
												6315C3		6315C3	

- NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D:m6
 2. TOLERANCE OF SHAFT CENTER HEIGHT H:+0,-1
 3. FOR DIRECT FLEXIBLE COUPLING
 4. USABLE SHAFT LENGTH: EE

APPD.	B. YANG	DEC 01 2010	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD.	B. LIN	NOV 30 2010		4B049M571E
DWN.	H. CHEN	NOV 15 2010		REV. 02

ISSUED JAN. 09 2009	OUTLINE DIMENSION SHEET	MODEL AFJE
REVISED JUN. 09 2009		3-PHASE HIGH EFFICIENCY INDUCTION MOTORS FRAME NO. (EG) 315DA

TOTALLY ENCLOSED FAN COOLED TYPE. SQUIRREL CAGE ROTOR



DIMENSIONS IN MM

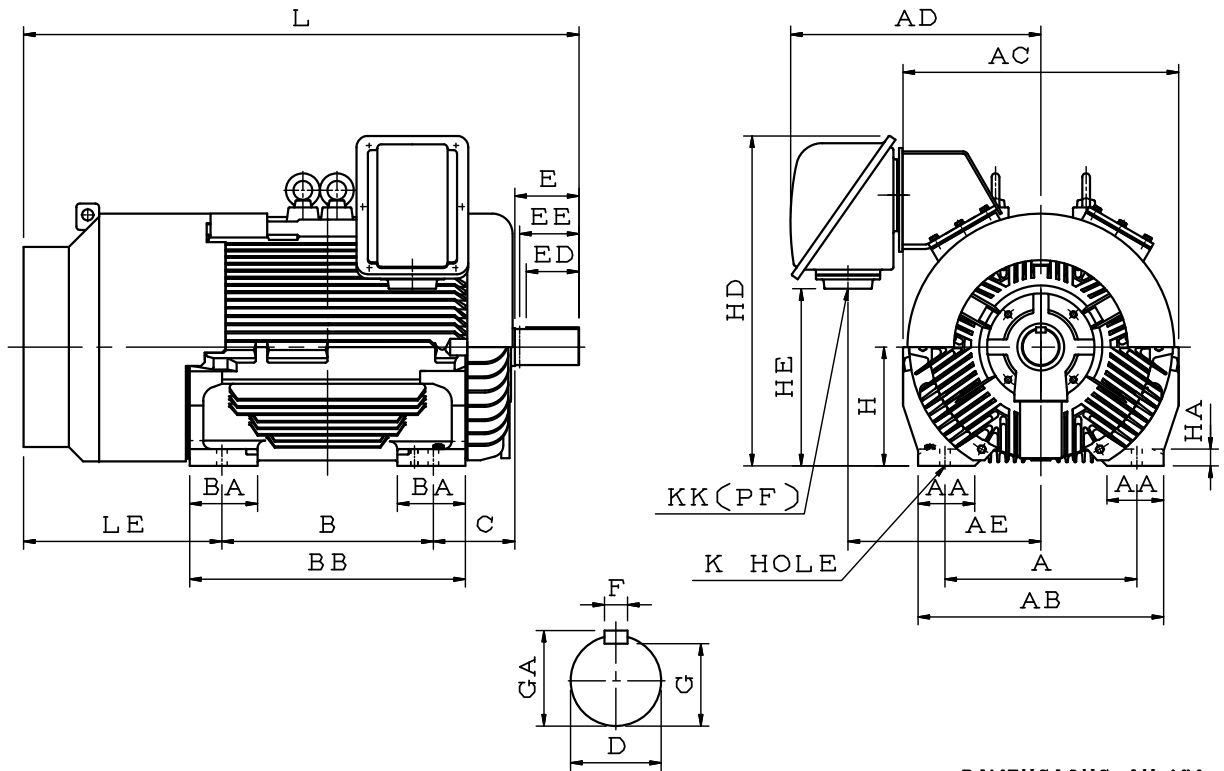
FRAME NO. (EG)	POLE	A	AA	AB	AC	AD	AE	B	BA	BB	C	D	E	ED	EE
315DA-70R	2P	508	150	650	730	666	511	910	180	1080	216	70	140	110	134
FRAME NO. (EG)	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING			
315DA-70R	20	62.5	74.5	315	45	874	469	28	4''	1836	570	DRIVE-END		OPP. DRIVE-END	
												6315C3		6315C3	

- NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D:m6
 2. TOLERANCE OF SHAFT CENTER HEIGHT H:+0,-1
 3. FOR DIRECT FLEXIBLE COUPLING
 4. USABLE SHAFT LENGTH: EE

APPD.	B. YANG	JUN 09 2009	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD.	B. LIN	JUN 09 2009		4B049M572E
DWN.	H. CHEN	JUN 09 2009		REV. 01

ISSUED JAN. 09 2009	OUTLINE DIMENSION SHEET	MODEL AFJE
REVISED NOV. 15 2010		3-PHASE HIGH EFFICIENCY INDUCTION MOTORS FRAME NO. (EG) 315AB ~ 315CB

TOTALLY ENCLOSED FAN COOLED TYPE. SQUIRREL CAGE ROTOR



DIMENSIONS IN MM

FRAME NO. (EG)	POLE	A	AA	AB	AC	AD	AE	B	BA	BB	C	D	E	ED	EE
315AB-95R	6~8	508	150	650	730	666	511	560	180	730	216	95	170	140	157
315CB-95R	4~8	508	150	650	730	666	511	710	180	880	216	95	170	140	157

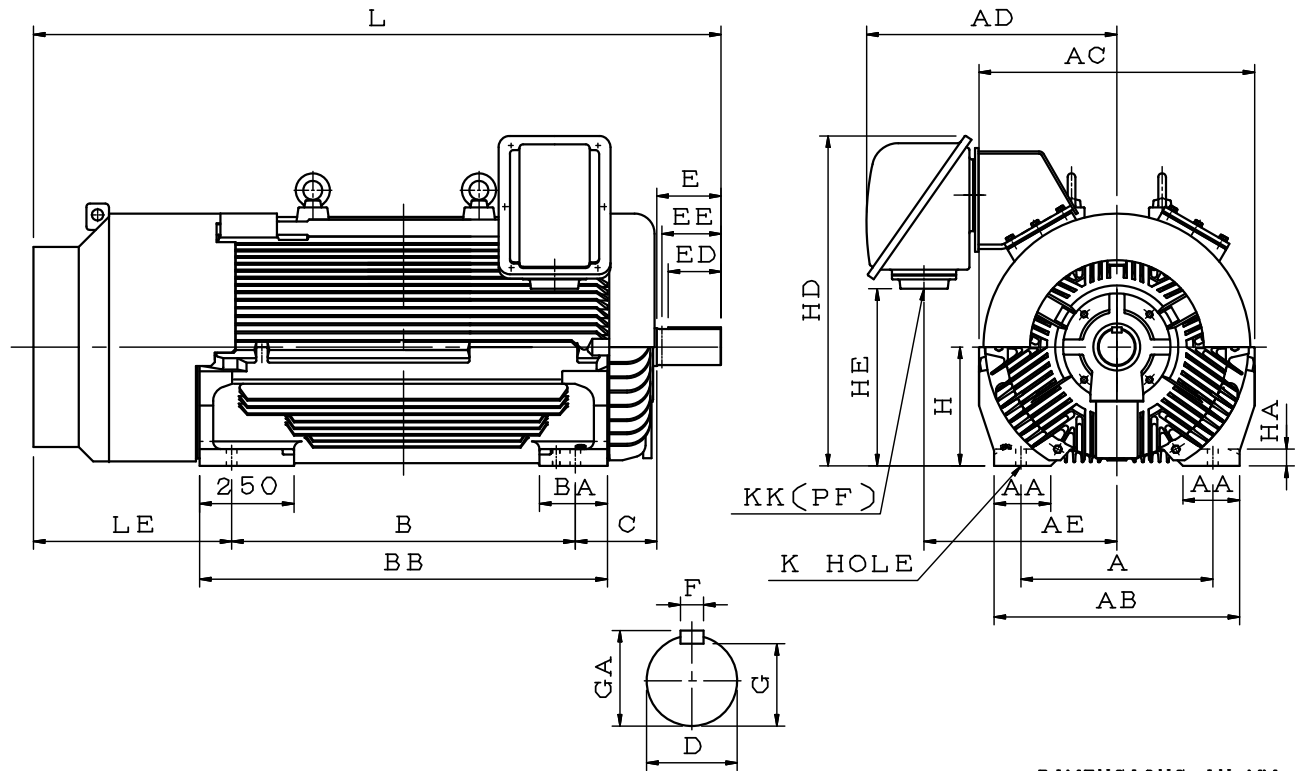
FRAME NO. (EG)	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315AB-95R	25	86	100	315	45	874	469	28	4"	1491	545	6220	6220
315CB-95R	25	86	100	315	45	874	469	28	4"	1641	545	6220	6220

- NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D:m6
 2. TOLERANCE OF SHAFT CENTER HEIGHT H:+0,-1
 3. FOR DIRECT FLEXIBLE COUPLING
 4. USABLE SHAFT LENGTH: EE

APPD.	B. YANG	DEC 01 2010	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD.	B. LIN	NOV 30 2010		4B049M573E
DWN.	H. CHEN	NOV 15 2010		REV. 02

ISSUED JAN. 09 2009	OUTLINE DIMENSION SHEET	MODEL AFJE
REVISED NOV. 15 2010		3-PHASE HIGH EFFICIENCY INDUCTION MOTORS FRAME NO. (EG) 315DB

TOTALLY ENCLOSED FAN COOLED TYPE. SQUIRREL CAGE ROTOR



DIMENSIONS IN MM

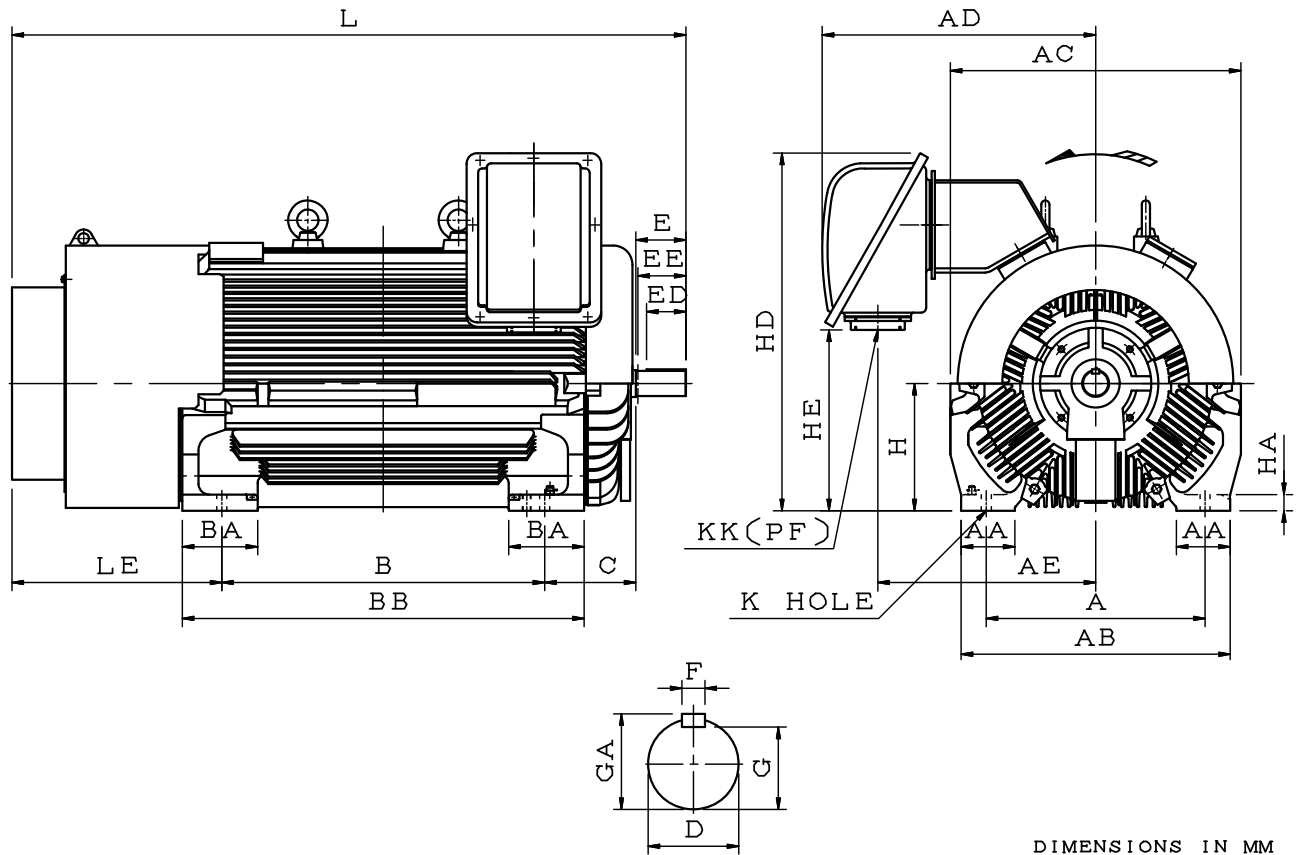
FRAME NO. (EG)	POLE	A	AA	AB	AC	AD	AE	B	BA	BB	C	D	E	ED	EE
315DB-95R	4~8P	508	150	650	730	666	511	910	180	1080	216	95	170	140	157
FRAME NO. (EG)	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING			
315DB-95R	25	86	100	315	45	874	469	28	4''	1841	545	DRIVE-END		OPP. DRIVE-END	
												6220		6220	

- NOTE: 1. TOLERANCE OF SHAFT END DIAMETER $D:m6$
 2. TOLERANCE OF SHAFT CENTER HEIGHT $H:+0,-1$
 3. FOR DIRECT FLEXIBLE COUPLING
 4. USABLE SHAFT LENGTH: EE

APPD.	B. YANG	DEC 01 2010	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD.	B. LIN	NOV 30 2010		4B049M574E
DWN.	H. CHEN	NOV 15 2010		REV. 02

ISSUED JAN. 09 2009	OUTLINE DIMENSION SHEET	MODEL AFJE
REVISED JUN. 09 2009		3-PHASE HIGH EFFICIENCY INDUCTION MOTORS FRAME NO. (EG) 355CA ~ 400CA

TOTALLY ENCLOSED FAN COOLED TYPE. SQUIRREL CAGE ROTOR



DIMENSIONS IN MM

FRAME NO. (EG)	POLE	A	AA	AB	AC	AD	AE	B	BA	BB	C	D	E	ED	EE
355CA-70R	2P	610	150	750	810	762	607	900	210	1120	254	70	140	110	134
400CA-85R		686	150	810	860	774	619	1000	245	1260	280	85	170	140	164

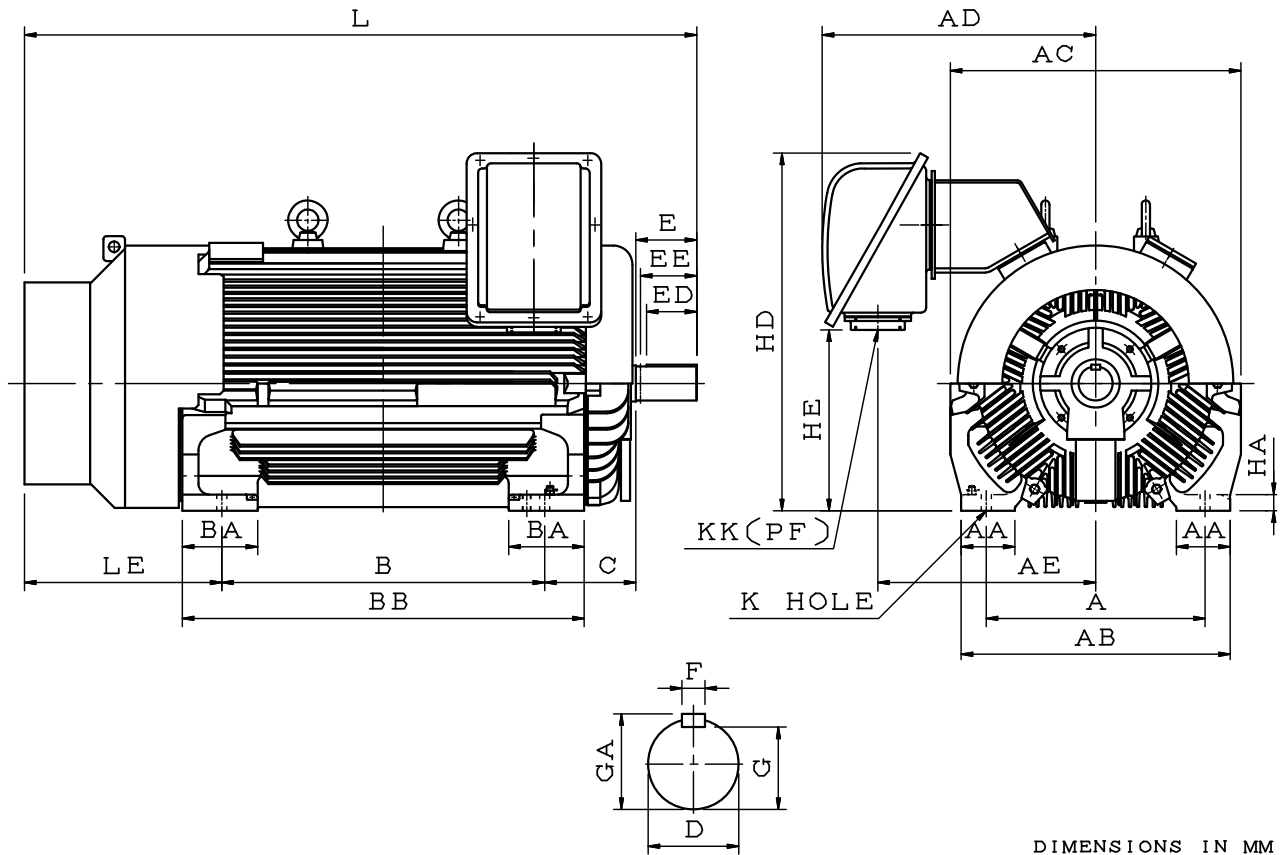
FRAME NO. (EG)	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CA-70R	20	62.5	74.5	355	45	997	504	28	5"	1889	595	6315C3	6315C3
400CA-85R	22	76	90	400	40	1062	569	35	5"	2065	615	6318C3	6315C3

- NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D:m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H:+0,-1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

APPD.	B. YANG	JUN 09 2009	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD.	B. LIN	JUN 09 2009		4B049M575E
DWN.	H. CHEN	JUN 09 2009		REV. 01

ISSUED JAN 09 2009	OUTLINE DIMENSION SHEET	MODEL AFJE
REVISED NOV 15 2010		3-PHASE HIGH EFFICIENCY INDUCTION MOTORS FRAME NO. (EG) 355CB ~ 400CB

TOTALLY ENCLOSED FAN COOLED TYPE. SQUIRREL CAGE ROTOR



DIMENSIONS IN MM

FRAME NO. (EG)	POLE	A	AA	AB	AC	AD	AE	B	BA	BB	C	D	E	ED	EE
355CB-95R	4~8P	610	150	750	810	762	607	900	210	1120	254	95	170	140	157
400CB-110R		686	150	810	860	774	619	1000	245	1260	280	110	210	160	197

FRAME NO. (EG)	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CB-95R	25	86	100	355	45	997	504	28	5"	1894	570	6222	6220
400CB-110R	28	100	116	400	40	1062	569	35	5"	2080	570	6224	6220

- NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D:m6
 2. TOLERANCE OF SHAFT CENTER HEIGHT H:+0,-1
 3. FOR DIRECT FLEXIBLE COUPLING
 4. USABLE SHAFT LENGTH: EE

APPD.	B. YANG	DEC 01 2010	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD.	B. LIN	NOV 30 2010		4B049M576E
DWN.	H. CHEN	NOV 15 2010		REV. 02