

# 全密型氣對氣冷卻馬達 (TEAAC)

**MODEL : AEZK**

STANDARD 3-PHASE INDUCTION MOTORS  
HIGH VOLTAGE (11000V/60Hz) SQUIRREL CAGE  
FRAME NO. (EZ) 400C ~ 900D



DWG NO.

3A057H524E

REV. 07

		<h1 style="text-align: center;">SPECIFICATION TABLE</h1> <p style="text-align: center;">STANDARD 3-PHASE INDUCTION MOTORS HIGH VOLTAGE SQUIRREL CAGE</p>		MODEL		
				<p style="text-align: center;"><b>AEZK</b> <b>11000V</b> <b>60Hz</b></p>		
		ITEM	STANDARD SPECIFICATION			
R A T I O N	KIND OF MOTOR	SQUIRREL-CAGE INDUCTION MOTOR (SCIM)				
	DESIGN STANDARD	IEC				
	VOLTAGE	11000V				
	FREQUENCY	60Hz				
	FRAME NO. (EZ)	400C ~ 900D				
	OUTPUT RANGE	500 ~ 15000HP (375 ~ 11200kW) 60Hz				
	R.P.M. (SYN.)	3600 ~ 900R.P.M. (2 ~ 8 POLE) 60Hz				
	TIME DUTY	CONTINUOUS, S.F. 1.0 (S1, MCR)				
	PROTECTION ENCLOSURE	TOTALLY ENCLOSED (IP 54)				
	COOLING METHOD	EXTERNAL AND INTERNAL FANS, WITH AIR TO AIR HEAT EXCHANGER WHICH IS AN INDEPENDENT UNIT MOUNTED DIRECTLY ON THE MOTOR (IC 611)				
MOUNTING	HORIZONTAL FOOT MOUNTING (IM 1001, F-1)					
A P P L I C A T I O N	POWER CONDITIONS	VOLTAGE $\pm 10\%$ , FREQUENCY $\pm 5\%$ AND 10% MAX. OF COMBINED VOLTAGE AND FREQUENCY WITH FREQUENCY NOT TO EXCEED 5%				
	ENVIRONMENT CONDITIONS	PLACE : SHADOW, NON-HAZARDOUS AMBIENT TEMPERATURE : $-18 \sim 40^{\circ}\text{C}$ ( OIL SUMP HEATER IS NOT TECO'S SCOPE ) RELATIVE HUMIDITY : LESS THAN 95%RH (NON-CONDENSATION) ALTITUDE : LESS THAN 1,000 METERS				
	OPERATING CONDITIONS	SUITABLE FOR FLUID DUTY ONLY				
	ALLOWABLE LOAD WK2	AS DWG NO. 3A057H527E 60% SQUARE LOAD CURVE				
	DRIVE METHOD	DIRECT CONNECTION WITH FLEXIBLE COUPLING. THE ROTOR IS BALANCED WITH A HALF KEY IF POSSIBLE WHICH MUST BE NOTED WHEN SELECTING AND BALANCING THE COUPLING.				
	DIRECTION OF ROTATION	UNI-DIRECTIONAL FOR ALL 2P, 4P FRAME NO. 560 & ABOVE; OTHERS ARE BI-DIRECTIONAL CCW WHEN VIEWED FROM DRIVE END				
	METHOD OF STARTING	STANDARD FOR FULL VOLTAGE DIRECT ON LINE REDUCED VOLTAGE START 80% OF FULL VOLTAGE IS OPTIONAL				
	STARTING CAPABILITY	2 COLD ; 1 HOT. FOR FULL VOLTAGE DIRECT ON LINE NUMBER OF STARTS : 6 TIMES PER DAY, 1000 TIMES PER YEAR, 5000 TIMES PER LIFE. OTHER THAN THESE, PLEASE CONTACT WITH FACTORY				
P E R F O R M A N C E	TEST PROCEDURE	IEC 60034, IEEE 112				
	TYPICAL PERFORMANCE	AS DWG NO. 3A057H527E, 3A057M179E, VALUES IN TABLE ARE NOMINAL				
	TEMPERATURE RISE	STATOR COIL : ( ACCORDING TO NEMA MG1-2003 ) S.F. 1.0 $80^{\circ}\text{C}$ BY RESISTANCE METHOD • RECOMMEND TEMPERATURE SETTINGS : ALARM $140^{\circ}\text{C}$ ; TRIP $155^{\circ}\text{C}$ BEARINGS : SLEEVE BEARINGS : $53^{\circ}\text{C}$ AT RATED LOAD ANTI-FRICTION BEARINGS : $55^{\circ}\text{C}$ AT RATED LOAD • RECOMMEND TEMPERATURE SETTINGS : ALARM $95^{\circ}\text{C}$ ; TRIP $100^{\circ}\text{C}$				
	NOISE	SOUND PRESSURE LEVEL MEASURED AT 1 METER DISTANCE & NO-LOAD CONDITION PER IEEE 85 METHOD ( TOLERANCE $\pm 3\text{dBA}$ ). BELOW 95dBA FOR STANDARD MACHINES. BELOW 85dBA FOR LOW NOISE MACHINES. (WHEN SPECIFIED)				
	VIBRATION	MEASURED ON FULLY ASSEMBLED MACHINES AND MOUNTED ON RIGID FOUNDATIONS AT NO-LOAD CONDITION. STANDARD MACHINE : BELOW 2.8 mm/s (R.M.S.) ON BEARING HOUSING. (GRADE R) BELOW 50 $\mu\text{m}$ ( PEAK-TO-PEAK ) ON SHAFT RELATIVE. LOW VIBRATION MACHINE : (WHEN SPECIFIED) BELOW 1.8 mm/s (R.M.S.) ON BEARING HOUSING. (GRADE S) BELOW 38 $\mu\text{m}$ ( PEAK-TO-PEAK ) ON SHAFT RELATIVE.				
	OVER SPEED	TWO MIN., 120% OF SYN. R.P.M. FOR RATED 1801R.P.M. & ABOVE, 125% OF SYN. R.P.M. FOR RATED 1800R.P.M. & BELOW				

<b>PERFORMANCE DATA</b>										MODEL	
<b>3-PHASE SQUIRREL CAGE INDUCTION MOTORS (ANTI-FRICTION BEARING)</b>										<b>AEZK/XC/XJ</b>	
										<b>11000V 60Hz</b>	

TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0  
4P 11000V 60Hz

**TYPICAL PERFORMANCE**

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Rated	Starting	Max.	GD <sup>2</sup>	GD <sup>2</sup>	
		RPM	(EZ)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	KG-M	%FLT	%FLT	KG-M <sup>2</sup>	KG-M <sup>2</sup>	KGS
600	450	1791	400C-95R	93.0	92.6	91.0	82.6	78.2	68.6	31	666	204	244	60	250	55	564	4040
700	520	1790	400C-95R	93.4	93.1	91.8	83.4	79.3	70.2	35	659	232	285	60	250	59	645	4140
800	600	1790	400C-95R	93.6	93.4	92.3	83.1	79.1	70.1	40	636	256	325	60	240	59	723	4140
900	670	1790	400D-95R	94.0	93.8	92.7	82.5	78.1	68.5	45	658	299	366	70	250	62	798	4440
1000	750	1787	450B-110R	94.2	94.2	93.4	85.3	81.9	73.9	49	593	289	407	60	230	96	875	5070
1250	930	1787	450B-110R	94.2	94.2	93.3	84.7	80.6	71.5	61	641	393	509	70	250	92	1050	5170
1500	1120	1787	450C-110R	94.7	94.8	94.1	86.2	82.9	74.9	72	641	461	611	70	250	104	1215	5780
1750	1320	1787	450D-110R	95.0	95.1	94.5	86.8	83.5	75.6	83	673	559	713	70	250	118	1371	6200

**NOTES :**

1. Test standard : IEC 60034-2-1 or IEEE112.
2. Tolerance : IEC 60034-1 or NEMA MG1.
3. 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.
4. This performance data is only for sinewave, not suitable for PWM power source.
5. The voltage and frequency combinations not included in performance data are quoted case by case.

TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0

6P 11000V 60Hz

TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Rated	Starting	Max.	GD <sup>2</sup>	GD <sup>2</sup>	
		RPM		(EZ)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	KG-M	%FLT	%FLT	KG-M <sup>2</sup>	
700	520	1190	450D-110R	91.5	91.3	88.4	80.5	76.0	66.1	37	610	227	428	70	250	121.9	2379	4870
800	600	1189	450D-110R	91.7	91.5	89.3	81.9	78.3	69.7	42	544	227	490	60	210	121.9	2679	4870
900	670	1189	450D-110R	92.2	92.0	90.1	82.4	78.9	70.3	46	569	264	551	60	220	138.1	2968	5200
1000	750	1188	450D-110R	92.2	92.1	90.7	83.2	80.4	72.9	51	517	264	612	60	190	138.1	3257	5200
1250	930	1190	500D-125R	93.1	92.9	90.4	81.2	77.1	67.9	65	588	381	764	60	240	238.6	3923	6770
1500	1120	1189	500D-125R	93.4	93.3	91.2	81.3	77.6	68.9	77	539	417	918	60	220	238.6	4581	6770
1750	1320	1189	500D-140R	93.8	93.6	91.9	81.6	78.2	69.8	90	530	475	1071	60	210	256	5202	7070
2000	1500	1189	500D-140R	94.1	93.9	92.4	81.8	78.4	70.0	102	537	547	1224	60	210	277.3	5799	7470
2250	1680	1190	560C-160R	93.5	93.3	91.4	84.5	82.4	76.0	112	508	567	1376	50	200	360.2	6358	8200
2500	1850	1191	560D-180R	94.3	94.2	92.0	84.5	81.4	73.8	123	616	757	1527	60	240	444.4	6893	8960
3000	2240	1191	560D-180R	94.6	94.4	92.7	85.3	82.7	75.6	146	611	889	1833	60	230	508.7	7932	9410
3500	2650	1193	630D-200R	94.3	94.1	91.7	86.8	85.2	79.8	167	672	1125	2135	80	220	964.2	8860	14280
4000	3000	1193	630D-200R	94.7	94.5	92.3	86.3	84.3	78.2	192	687	1318	2440	90	220	964.2	9757	14300
4500	3360	1193	630D-200R	94.9	94.7	92.8	86.1	84.2	78.2	216	664	1433	2745	80	210	964.2	10593	14350
5000	3750	1193	630E-200R	95.1	95.0	93.3	86.2	84.7	79.2	239	634	1514	3049	80	200	995.6	11373	14950
5500	4100	1195	710D-220R	94.8	94.7	92.2	86.5	85.3	80.5	263	637	1672	3349	60	200	1794.6	11142	22740
6000	4500	1195	710D-220R	95.0	94.9	92.6	86.1	84.7	79.5	287	643	1847	3653	60	200	1794.6	11765	22740
6500	4850	1195	710E-220R	95.2	95.1	93.0	86.1	84.6	79.4	310	644	1998	3958	60	200	1854	12344	23530
7000	5200	1195	710E-220R	95.3	95.2	93.3	86.1	85.2	80.7	334	598	1998	4262	60	180	1854	12881	23530

NOTES :

1. Test standard : IEC 60034-2-1 or IEEE112.
2. Tolerance : IEC 60034-1 or NEMA MG1.
3. 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.
4. This performance data is only for sinepower, not suitable for PWM power souce.
5. The voltage and frequency combinations not included in performance data are quoted case by case.

TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0

8P 11000V 60Hz

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR GD <sup>2</sup> KG-M <sup>2</sup>	Max. Load GD <sup>2</sup> KG-M <sup>2</sup>	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	Rated KG-M	Starting %FLT	Max. %FLT			
500	375	891	450D-110R	92.9	92.7	90.9	74.4	68.5	57.0	28	575	163	408	90	240	138.1	3598	5060
600	450	891	450D-110R	93.0	92.8	91.3	74.0	68.2	56.8	34	553	189	490	90	230	138.1	4239	5060
700	520	893	500C-140R	92.5	92.4	90.7	80.7	76.6	67.4	37	597	219	570	90	210	249.3	4837	5270
800	600	893	500C-140R	92.7	92.6	91.0	79.6	75.0	65.1	42	605	257	652	90	210	249.3	5446	5400
900	670	893	500C-140R	92.7	92.5	91.2	79.5	75.1	65.2	48	585	280	733	90	210	249.3	6043	6440
1000	750	892	500C-140R	93.1	92.9	91.8	80.6	76.7	67.4	52	584	305	816	90	200	277.6	6647	6660
1250	930	893	500D-140R	93.9	93.8	92.7	80.7	76.6	67.2	65	616	398	1018	100	210	329.5	8049	7090
1500	1120	893	500D-140R	94.1	93.9	93.0	80.1	75.9	66.1	78	620	483	1222	100	210	348.7	9414	7390
1750	1320	894	560D-180R	94.5	94.4	92.9	81.9	78.4	69.7	89	619	548	1424	60	220	725.4	10700	9300
2000	1500	894	560D-180R	94.6	94.4	93.0	80.6	76.7	67.3	103	619	636	1628	70	230	725.4	11968	9410
2250	1680	893	560D-180R	94.7	94.5	93.5	81.5	78.6	70.4	110	578	636	1833	60	200	725.4	13233	9410
2500	1850	894	630D-200R	94.8	94.7	93.2	84.8	82.3	75.2	121	666	806	2035	80	230	1322.5	14386	13940
3000	2240	893	630E-200R	95.1	94.9	93.8	84.9	82.7	75.9	145	640	928	2444	80	210	1400.8	16711	14260
3500	2650	893	630E-200R	95.3	95.2	94.2	84.8	82.5	75.6	171	641	1096	2852	80	220	1491	18869	14490
4000	3000	894	710D-220R	95.2	95.0	93.4	85.4	83.0	76.3	190	669	1272	3255	80	230	2174.5	19288	22290
4500	3360	894	710D-220R	95.3	95.2	93.8	85.0	82.4	75.5	213	680	1448	3662	80	230	2174.5	21077	22290
5000	3750	893	710E-220R	95.4	95.3	94.1	85.5	83.6	77.6	235	616	1448	4074	70	200	2174.5	22842	22900

NOTES :

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4. This performance data is only for sinewave, not suitable for PWM power source.
5. The voltage and frequency combinations not included in performance data are quoted case by case.

	<b>PERFORMANCE DATA</b> <b>3-PHASE SQUIRREL CAGE INDUCTION MOTORS</b> <b>HIGH VOLTAGE SQUIRREL CAGE</b>	MODEL <b>AEZK/XC/XJ</b> <b>11000V</b> <b>60Hz</b>
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TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0  
 2P 11000V 60Hz  
 TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Rated	Starting	Max.	GD <sup>2</sup>	GD <sup>2</sup>	
		RPM	(EZ)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	KG-M	%FLT	%FLT	KG-M <sup>2</sup>	KG-M <sup>2</sup>	KGS
800	600	3581	400D-85U	92.6	92.0	90.2	87.1	85.0	79.4	39	548	213	163	60	210	31	91	4390
900	670	3582	400D-85U	92.9	92.3	90.6	86.7	84.2	77.9	44	578	253	183	70	230	33	100	4440
1000	750	3583	400D-85U	93.2	92.7	90.9	86.3	83.3	76.0	49	643	313	203	70	250	36	108	4590
1250	930	3581	400E-85U	93.9	93.6	92.4	88.2	86.4	81.3	59	581	343	254	60	220	39	129	4900
1500	1120	3580	400E-85U	94.3	94.2	93.1	89.1	87.6	83.1	70	591	413	305	70	230	44	147	5050
1750	1320	3581	450D-95V	94.1	93.6	92.1	87.5	85.5	79.7	83	574	478	356	70	220	55	163	6050
2000	1500	3581	450D-95V	94.4	94.0	92.7	88.1	86.2	80.8	94	582	548	406	70	230	58	178	6250
2250	1680	3580	450E-95V	94.6	94.3	93.2	89.1	88.0	84.0	105	544	569	457	70	210	63	192	6630
2500	1850	3579	450E-95V	95.1	94.8	93.8	89.9	89.1	85.8	114	543	622	508	70	210	67	205	6880

**NOTES :**

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2. Tolerance : IEC 60034-1 or NEMA MG1.
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 Legally binding performance and specification data is given to the end user once each order is confirmed.
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TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0

4P 11000V 60Hz

TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Rated	Starting	Max.	GD <sup>2</sup>	GD <sup>2</sup>	
		RPM		(EZ)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	KG-M	%FLT	%FLT	KG-M <sup>2</sup>	
600	450	1791	400C-95U	93.0	92.6	91.0	82.6	78.2	68.6	31	666	204	244	60	250	55	564	4040
700	520	1790	400C-95U	93.4	93.1	91.8	83.4	79.3	70.2	35	659	232	285	60	250	59	645	4140
800	600	1790	400C-95U	93.6	93.4	92.3	83.1	79.1	70.1	40	636	256	325	60	240	59	723	4140
900	670	1790	400D-95U	94.0	93.8	92.7	82.5	78.1	68.5	45	658	299	366	70	250	62	798	4440
1000	750	1787	450B-110U	94.2	94.2	93.4	85.3	81.9	73.9	49	593	289	407	60	230	96	875	5070
1250	930	1787	450B-110U	94.2	94.2	93.3	84.7	80.6	71.5	61	641	393	509	70	250	92	1050	5170
1500	1120	1787	450C-110U	94.7	94.8	94.1	86.2	82.9	74.9	72	641	461	611	70	250	104	1215	5780
1750	1320	1787	450D-110U	95.0	95.1	94.5	86.8	83.5	75.6	83	673	559	713	70	250	118	1371	6200
2000	1500	1790	500C-125V	94.8	94.5	93.4	86.2	83.3	76.3	96	626	600	813	60	250	201	1511	7690
2250	1680	1790	500C-125V	94.8	94.5	93.4	85.2	81.6	73.5	109	666	726	915	70	250	212	1649	8140
2500	1850	1790	500C-125V	95.1	94.9	93.9	86.2	83.1	75.7	119	672	802	1016	60	250	243	1780	8340
3000	2240	1791	560D-140V	95.5	95.3	94.4	85.3	82.1	74.5	144	642	926	1219	60	250	331	2018	10270
3500	2650	1791	560D-140V	95.7	95.5	94.6	85.0	81.7	73.7	168	667	1124	1422	70	250	360	2234	10570
4000	3000	1792	630C-180V	96.0	95.7	94.7	88.2	85.9	79.9	185	662	1225	1624	60	250	610	2424	12910
4500	3360	1792	630D-180V	96.1	95.8	94.9	88.4	86.1	80.1	207	681	1412	1827	60	250	662	2596	13700
5000	3750	1792	630D-180V	96.2	96.0	95.1	89.0	87.0	81.5	229	697	1594	2030	60	250	751	2748	14450
5500	4100	1792	630E-180V	96.3	96.2	95.4	89.2	87.2	82.0	251	693	1737	2233	60	250	791	2882	15140
6000	4500	1792	630E-180V	96.4	96.3	95.5	89.5	87.6	82.6	272	690	1879	2436	60	250	843	2999	15590
6500	4850	1792	630E-180V	96.5	96.4	95.7	89.9	88.4	83.9	293	683	2004	2639	60	250	921	3099	16240
7000	5200	1792	710C-200V	96.6	96.5	96.0	91.9	90.5	86.6	309	681	2103	2842	60	250	1169	3183	22820
7500	5600	1792	710C-200V	96.7	96.6	96.2	91.7	90.3	86.4	331	681	2255	3045	60	250	1231	3251	23120
8000	6000	1791	710D-200V	96.7	96.6	96.1	92.1	90.9	87.2	352	691	2430	3250	60	250	1272	3311	26340
9000	6700	1792	710D-200V	96.7	96.7	96.3	92.3	91.0	87.3	395	719	2839	3654	60	250	1393	3372	27090
10000	7500	1791	710E-200V	96.8	96.9	96.5	92.8	91.8	88.7	436	703	3064	4063	60	250	1551	3392	29720
11000	8200	1793	800C-220V	96.6	96.4	95.8	90.8	89.4	85.3	491	689	3383	4464	60	250	1982	3428	29710
12000	8950	1793	800D-220V	96.6	96.5	95.8	90.4	88.6	83.6	538	754	4057	4870	60	250	2096	3257	30330
13000	9700	1794	900C-240V	96.4	96.1	95.2	90.2	88.5	83.6	585	658	3852	5272	60	250	2710	3606	34100
14000	10450	1794	900C-240V	96.5	96.2	95.3	90.4	88.6	83.8	628	673	4229	5678	60	250	2853	3733	34700
15000	11200	1794	900C-240V	96.5	96.3	95.4	90.6	88.9	84.2	672	689	4629	6084	60	250	3036	3818	35500

NOTES :

1. Test standard : IEC 60034-2-1 or IEEE112.
2. Tolerance : IEC 60034-1 or NEMA MG1.
3. 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.
4. This performance data is only for sinepower, not suitable for PWM power source.
5. The voltage and frequency combinations not included in performance data are quoted case by case.

TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0

6P 11000V 60Hz

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR GD <sup>2</sup> KG-M <sup>2</sup>	Max. Load GD <sup>2</sup> KG-M <sup>2</sup>	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	Rated KG-M	Starting %FLT	Max. %FLT			
700	520	1190	450B-110U	92.3	92.0	90.6	81.6	76.8	66.6	36	620	226	428	80	250	122	2379	4840
800	600	1190	450B-110U	92.6	92.4	91.0	81.3	76.4	66.1	42	632	263	489	80	250	130	2674	4940
900	670	1189	450C-110U	93.0	92.9	91.7	82.3	78.0	68.4	46	604	278	551	80	230	138	2968	5230
1000	750	1190	450D-110U	93.5	93.4	92.3	83.6	79.5	70.2	50	667	334	611	90	250	174	3243	5610
1250	930	1190	500B-140U	94.1	94.0	92.9	80.9	76.2	66.1	64	586	377	764	70	230	229	3923	6930
1500	1120	1191	500B-140U	94.3	94.2	93.2	80.4	75.4	64.8	77	623	483	916	80	250	259	4561	6930
1750	1320	1191	500C-140U	94.7	94.5	93.6	81.2	76.2	65.7	89	667	594	1069	80	250	315	5180	7570
2000	1500	1191	500D-140U	95.0	94.9	94.1	83.0	78.8	69.4	99	656	652	1222	80	250	366	5774	8170
2250	1680	1192	560C-160V	94.8	94.7	93.8	83.9	80.0	71.1	111	644	713	1373	70	250	494	6331	9620
2500	1850	1192	560D-160V	95.8	95.7	95.0	88.0	85.4	79.0	116	713	828	1526	90	250	723	6878	10370
3000	2240	1195	630C-180V	96.1	95.9	95.1	83.9	80.5	72.1	146	725	1056	1827	90	230	901	7863	13350
3500	2650	1195	630D-180V	96.3	96.1	95.4	84.2	80.9	72.8	169	715	1208	2131	90	230	985	8821	14320
4000	3000	1195	630E-180V	96.4	96.3	95.6	84.3	80.9	72.8	193	730	1407	2435	100	230	1089	9713	15350
4500	3360	1195	630E-180V	96.5	96.4	95.8	84.6	81.6	73.9	216	717	1547	2740	100	220	1185	10546	16000
5000	3750	1195	630E-180V	96.6	96.5	95.9	84.7	81.6	73.9	239	728	1742	3044	100	220	1289	11322	16650
5500	4100	1194	710C-200V	96.7	96.8	96.5	85.6	83.7	77.9	260	602	1566	3352	60	220	1572	11167	22790
6000	4500	1195	710D-200V	96.8	96.9	96.5	85.9	83.4	76.7	283	690	1949	3653	70	220	1887	11765	23820
6500	4850	1195	710E-200V	96.8	96.9	96.5	86.0	83.8	77.4	306	675	2064	3958	70	210	1984	12344	24820
7000	5200	1195	710E-200V	96.9	97.0	96.6	86.2	84.1	77.9	328	672	2205	4262	70	210	2092	12881	25520
7500	5600	1194	800C-240V	96.5	96.3	95.6	85.5	82.2	74.2	356	706	2513	4570	70	250	2415	13411	27480
8000	6000	1194	800C-240V	96.5	96.4	95.7	85.8	82.6	74.7	378	711	2690	4875	70	250	2567	13871	28080
9000	6700	1195	800D-240V	96.6	96.5	95.8	85.6	82.2	74.0	426	744	3171	5480	80	250	2854	14644	30080
10000	7500	1195	900C-260V	96.5	96.3	95.6	87.5	85.0	78.6	464	690	3200	6089	60	250	3834	14070	33440
11000	8200	1195	900C-260V	96.6	96.4	95.7	87.5	85.0	78.5	510	696	3547	6698	60	250	4053	14564	34240
12000	8950	1195	900D-260V	96.7	96.6	95.9	86.7	84.1	77.6	560	678	3800	7306	60	240	4286	14943	36090
13000	9700	1195	900D-260V	96.8	96.7	96.1	87.1	84.7	78.5	604	687	4148	7915	60	240	4754	15213	37190

NOTES :

1. Test standard : IEC 60034-2-1 or IEEE112.
2. Tolerance : IEC 60034-1 or NEMA MG1.
3. 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.
4. This performance data is only for sinepower, not suitable for PWM power souce.
5. The voltage and frequency combinations not included in performance data are quoted case by case.

TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0

8P 11000V 60Hz

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR GD <sup>2</sup> KG-M <sup>2</sup>	Max. Load GD <sup>2</sup> KG-M <sup>2</sup>	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	Rated KG-M	Starting %FLT	Max. %FLT			
500	375	891	450C-110U	92.8	92.9	92.0	76.7	72.1	61.8	28	512	141	408	90	210	177	3598	5020
600	450	892	450C-110U	93.0	92.9	91.7	73.8	67.6	55.6	34	586	201	489	110	230	202	4227	5120
700	520	892	450D-110U	93.5	93.5	92.7	77.0	72.2	61.6	38	555	211	571	100	200	237	4851	5450
800	600	892	450D-110U	93.5	93.6	92.9	76.8	72.0	61.4	44	548	239	653	100	200	248	5461	5750
900	670	892	500B-140U	93.4	93.3	92.4	78.8	73.4	62.5	48	613	294	734	110	230	260	6060	6450
1000	750	892	500B-140U	93.9	94.1	93.5	80.5	76.5	66.8	52	593	307	816	100	200	273	6647	6750
1250	930	892	500C-140U	94.4	94.5	93.9	80.3	75.9	65.9	65	628	405	1020	110	210	319	8072	7390
1500	1120	892	500D-140U	94.7	94.9	94.4	81.1	77.0	67.3	76	644	492	1224	120	220	425	9441	8220
1750	1320	894	560D-160U	95.1	95.2	94.6	83.7	80.7	72.9	86	618	532	1424	70	220	781	10700	10770
2000	1500	894	560D-160U	95.1	95.2	94.7	83.7	80.5	72.4	98	646	636	1628	80	220	884	11968	11170
2250	1680	895	630D-180U	95.4	95.2	94.3	82.5	79.0	70.7	110	632	695	1829	70	220	1320	13158	14270
2500	1850	895	630E-180U	95.8	95.7	94.9	82.6	79.0	70.5	121	644	779	2032	70	220	1414	14345	15050
3000	2240	895	630E-180U	96.0	95.9	95.3	83.1	80.2	72.5	145	604	876	2439	70	200	1541	16615	15650
3500	2650	895	630E-180U	96.2	96.1	95.6	83.3	80.5	73.1	171	598	1023	2845	70	200	1677	18760	16300
4000	3000	895	710C-200V	96.1	96.0	95.4	84.6	80.9	72.3	190	695	1321	3252	70	250	2070	19232	21990
4500	3360	895	710D-200V	96.2	96.1	95.5	84.8	81.1	72.5	213	712	1517	3658	80	250	2318	21015	23820
5000	3750	895	710E-200V	96.2	96.2	95.6	85.2	81.5	72.9	235	737	1732	4065	80	250	2694	22707	24520
5500	4100	895	800C-240V	96.6	96.7	96.2	82.6	78.3	68.6	266	632	1681	4471	60	240	2367	24315	24780
6000	4500	895	800D-240V	96.6	96.6	96.1	82.0	76.9	66.2	294	735	2161	4878	70	250	2930	25843	27280
6500	4850	895	800D-240V	96.7	96.7	96.3	83.4	78.9	69.1	311	708	2202	5284	70	250	3173	27296	27980
7000	5200	896	900B-260V	96.5	96.4	95.7	81.9	77.7	68.1	340	675	2295	5684	60	240	4147	26271	30510
7500	5600	896	900B-260V	96.6	96.5	95.8	82.5	78.6	69.5	363	662	2403	6090	60	230	4396	27471	31110
8000	6000	896	900C-260V	96.6	96.5	95.8	81.9	77.5	67.8	392	709	2779	6496	60	250	4805	28611	33240
9000	6700	896	900D-260V	96.7	96.5	95.9	81.8	77.3	67.3	438	729	3193	7308	70	250	5338	30715	35790
10000	7500	896	900D-260V	96.8	96.7	96.1	82.6	78.6	69.2	485	708	3434	8121	60	250	5746	32600	36790

NOTES :

1. Test standard : IEC 60034-2-1 or IEEE112.
2. Tolerance : IEC 60034-1 or NEMA MG1.
3. 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.
4. This performance data is only for sinewave, not suitable for PWM power source.
5. The voltage and frequency combinations not included in performance data are quoted case by case.

TOTALLY ENCLOSED AIR-TO-AIR COOLED TYPE, SQUIRREL CAGE ROTOR.

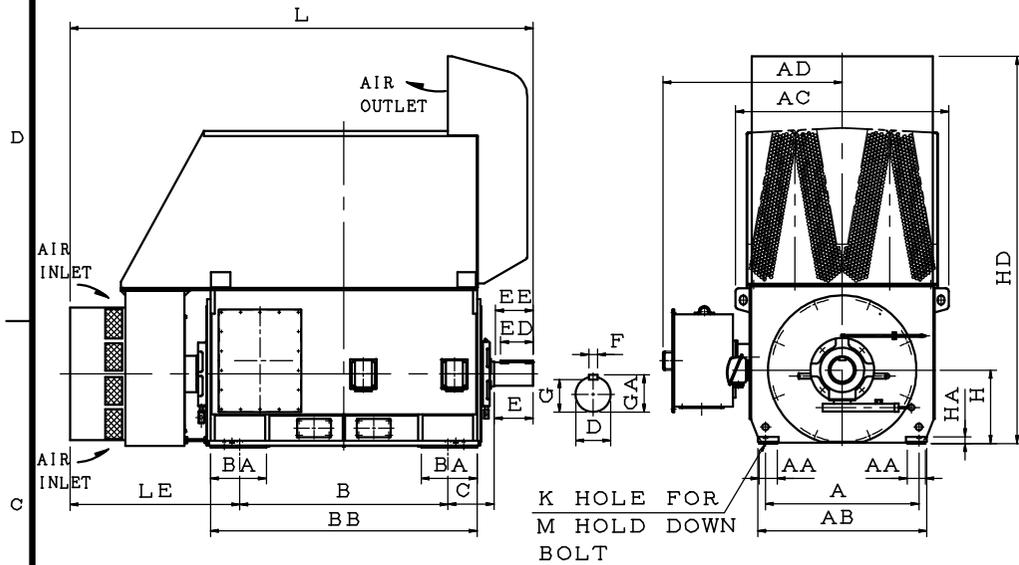


FIG. 1

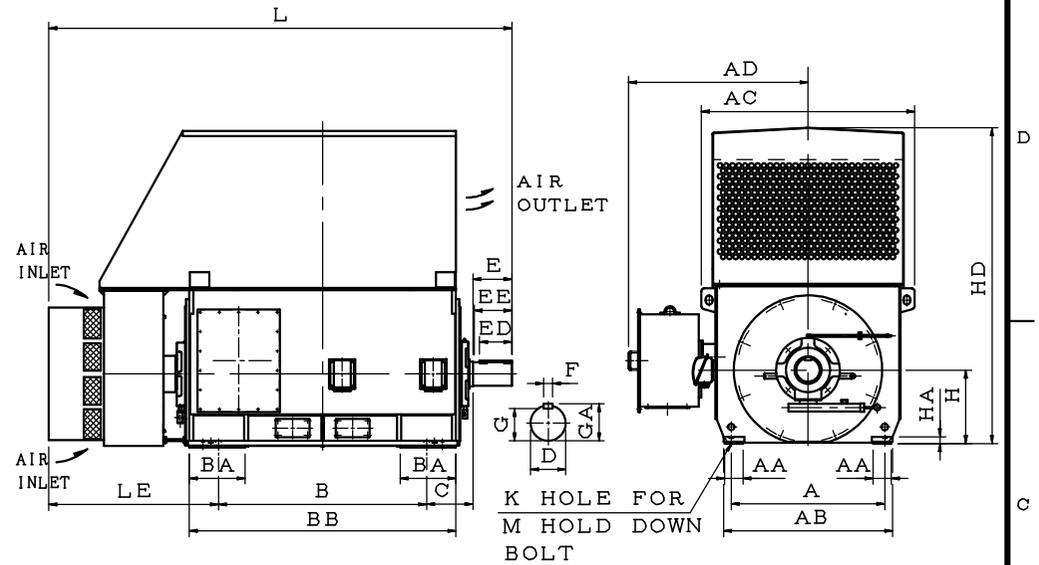


FIG. 3

DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	FIG	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
			A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
400C	4P	1	800	95	900	1000	355	1360	280	42	M30	1320	1168	400	40	2140	2460	1010	95	170	162	86	140	25	100	6320	6320	400C
400D	4P	1	800	95	900	1120	355	1480	280	42	M30	1320	1168	400	40	2140	2580	1010	95	170	162	86	140	25	100	6320	6320	400D
450B	4P	1	900	100	990	1000	380	1420	315	42	M30	1460	1243	450	40	2480	2565	1040	110	210	200	100	160	28	116	6324	6320	450B
450C	4P	1	900	100	990	1120	380	1540	315	42	M30	1460	1243	450	40	2480	2685	1040	110	210	200	100	160	28	116	6324	6320	450C
450D	4P	1	900	100	990	1250	380	1670	315	42	M30	1460	1243	450	40	2480	2815	1040	110	210	200	100	160	28	116	6324	6320	450D
	6P & 8P	3														1785	2915	1140										
500C	8P	3	1000	140	1150	1250	405	1700	335	48	M36	1620	1318	500	40	1900	3060	1225	140	250	240	128	200	36	148	6330	6326	500C
500D	6P & 8P	3	1000	140	1150	1400	405	1850	335	48	M36	1620	1318	500	40	1900	3210	1225	140	250	240	128	200	36	148	6330	6326	500D
560C	6P	3	1180	140	1280	1400	430	1850	355	55	M42	1760	1388	560	53	2155	3330	1275	160	300	290	147	250	40	169	6334	6330	560C
560D	6P	3	1180	140	1280	1600	430	2050	355	55	M42	1760	1388	560	53	2155	3530	1275	180	300	290	165	250	45	190	6338	6334	560D
	8P															2055												

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \frac{1}{2}$  FOR  $F \frac{1}{2} 630$  & BELOW,  $H = \frac{1}{4}$  FOR  $F \frac{1}{2} 710$  & UP.
3. TOLERANCE OF KEY WIDTH  $F = h9$ .
4. USABLE SHAFT LENGTH: EE
5. ANTI-FRICTION BEARINGS.

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)400C-710E

TOTALLY ENCLOSED AIR-TO-AIR COOLED TYPE, SQUIRREL CAGE ROTOR.

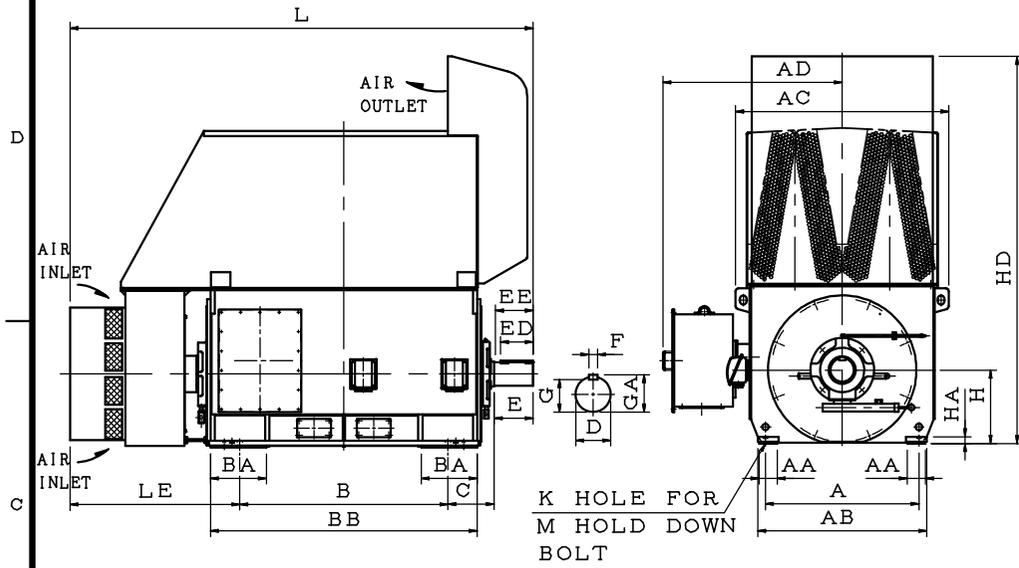


FIG. 1

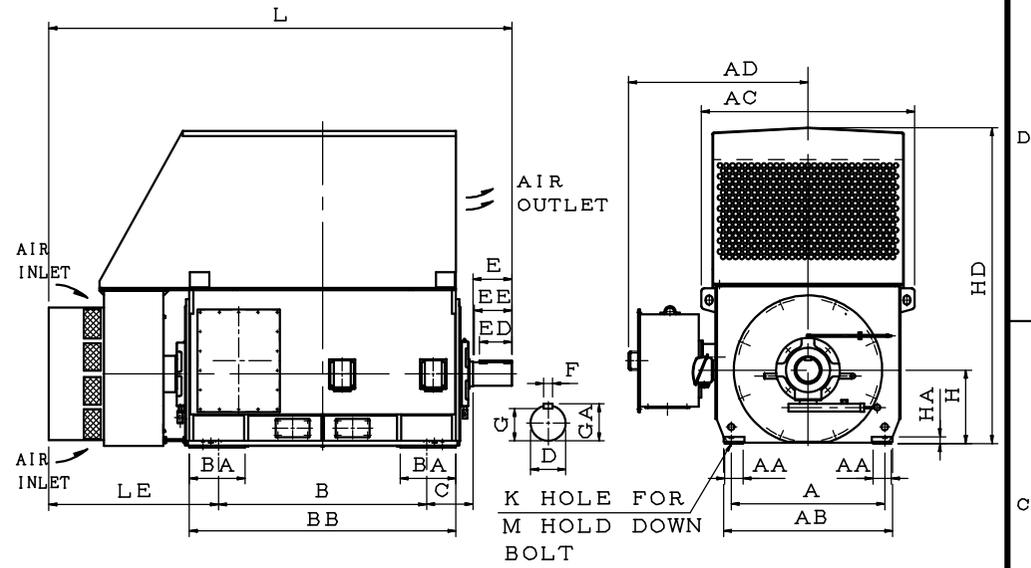


FIG. 3

DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	FIG	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
			A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
630D	6P	3	1250	160	1400	1800	480	2300	375	55	M42	1900	1513	630	58	2760	3855	1330	200	350	337	185	280	45	210	NU244	NU238	630D
	8P																											
630E	6P	3	1250	160	1400	2000	480	2500	375	55	M42	1900	1513	630	58	2760	4055	1330	200	350	337	185	280	45	210	NU244	NU238	630E
	8P																											
710D	6P	3	1400	180	1570	2000	520	2550	475	55	M42	2240	1683	710	50	3070	4200	1375	220	350	337	203	280	50	231	NU248	NU244	710D
	8P																											
710E	6P	3	1400	180	1570	2240	520	2700	475	55	M42	2240	1683	710	50	3070	4395	1330	220	350	337	203	280	50	231	NU248	NU244	710E
	8P																											

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = \pm 0.06$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \pm 0.1$  FOR F $\frac{7}{630}$  & BELOW,  $H = \pm 0.15$  FOR F $\frac{7}{710}$  & UP.
3. TOLERANCE OF KEY WIDTH  $F = \pm 0.09$ .
4. USABLE SHAFT LENGTH: EE
5. ANTI-FRICTION BEARINGS.

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)400C-710E

TOTALLY ENCLOSED AIR-TO-AIR COOLED TYPE, SQUIRREL CAGE ROTOR.

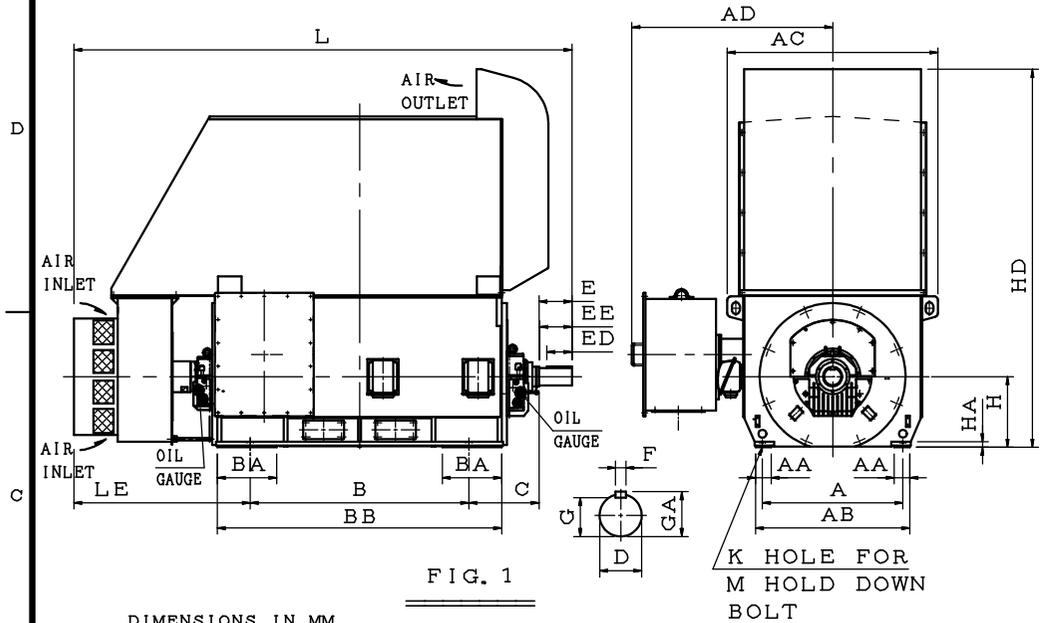


FIG. 1

K HOLE FOR  
M HOLD DOWN  
BOLT

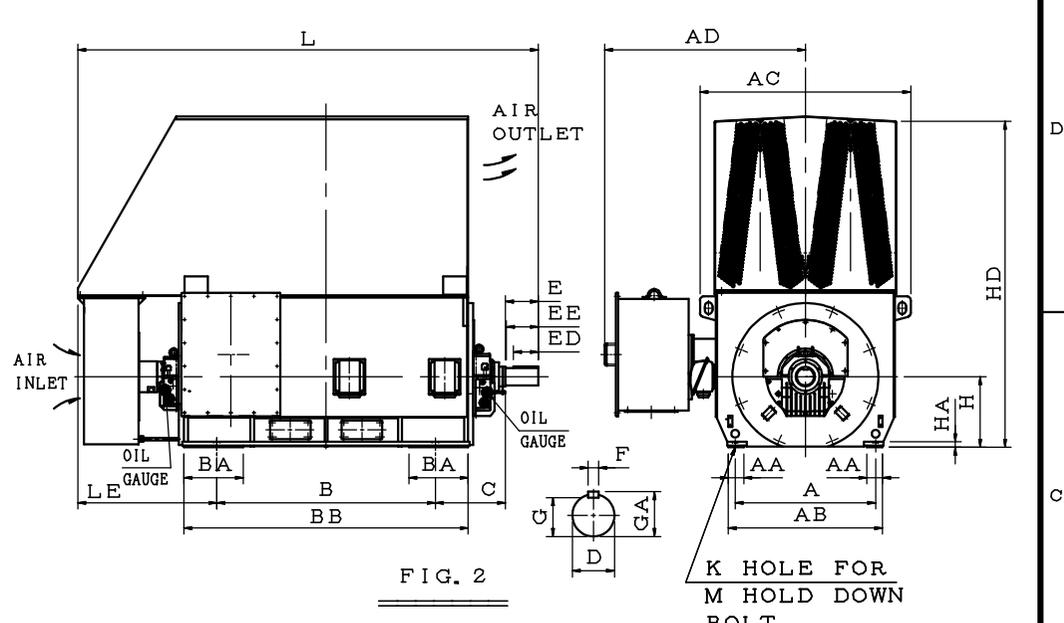


FIG. 2

K HOLE FOR  
M HOLD DOWN  
BOLT

DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	FIG	MOUNTING										AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
			A	AA	AB	B	BA	BB	C	K	M	D								E	EE	G	ED	F	GA	DRIVE END	OPP. D END		
400C	4P	1	800	95	900	1000	355	1360	400	42	M30	1320	1168	400	40	2140	2710	1140	95	170	164	86	140	25	100	9S/90	9S/80	400C	
400D	2P	1	800	95	900	1120	355	1480	400	42	M30	1320	1168	400	40	2140	2830	1140	85	170	164	76	140	22	90	9S/80	9S/80	400D	
	4P					1250	355	1610	400	42	M30						2960	1140	85	170	164	76	140	22	90	9S/80	9S/80		
400E	2P	1	800	95	900	1250	355	1610	400	42	M30	1320	1168	400	40	2140	2960	1140	85	170	164	76	140	22	90	9S/80	9S/80	400E	
450B	4P	1	900	100	990	1000	380	1420	450	42	M30	1460	1243	450	40	2480	2880	1220	110	210	204	100	160	28	116	11/110	9/80	450B	
	6P	2				1980	2480	820	110	210	204					100	160	28	116	11/110	9/80								
450C	4P	1	900	100	990	1120	380	1540	450	42	M30	1460	1243	450	40	2480	3000	1220	110	210	204	100	160	28	116	11/110	9/80	450C	
	6P&8P	2				1980	2600	820	110	210	204					100	160	28	116	11/110	9/80								
450D	4P	1	900	100	990	1250	380	1670	450	42	M30	1460	1243	450	40	2480	3130	1220	110	210	204	100	160	28	116	11/110	9/80	450D	
	6P&8P	2				1980	2730	820	110	210	204					100	160	28	116	11/110	9/80								
500B	6P&8P	2	1000	140	1150	1120	405	1570	500	48	M36	1620	1318	500	40	2190	2770	900	140	250	244	128	200	36	148	14/140	11/125	500B	
500C	6P&8P	2	1000	140	1150	1250	405	1700	500	48	M36	1620	1318	500	40	2190	2900	900	140	250	244	128	200	36	148	14/140	11/125	500C	
500D	6P&8P	2	1000	140	1150	1400	405	1850	500	48	M36	1620	1318	500	40	2190	3050	900	140	250	244	128	200	36	148	14/140	11/125	500D	
560D	8P	2	1180	140	1280	1600	430	2050	530	55	M42	1760	1388	560	53	2410	3400	970	160	300	294	147	250	40	169	14/160	11/125	560D	
630D	8P	2	1250	160	1400	1800	480	2300	560	55	M42	1900	1513	630	58	2838	3655	995	180	300	287	165	250	45	190	18/180	14/140	630D	
630E	8P	2	1250	160	1400	2000	480	2500	560	55	M42	1900	1513	630	58	2838	3855	995	180	300	287	165	250	45	190	18/180	14/140	630E	

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \frac{H}{10}$ .
3. TOLERANCE OF KEY WIDTH  $F = h9$ .
4. USABLE SHAFT LENGTH: EE
5. SLEEVE BEARINGS SELF LUBRICATION (NATURAL COOLING).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#400:500, F#450:530, F#500:600, F#560:630, F#630:670

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)400C-630E

TOTALLY ENCLOSED AIR-TO-AIR COOLED TYPE. SQUIRREL CAGE ROTOR.

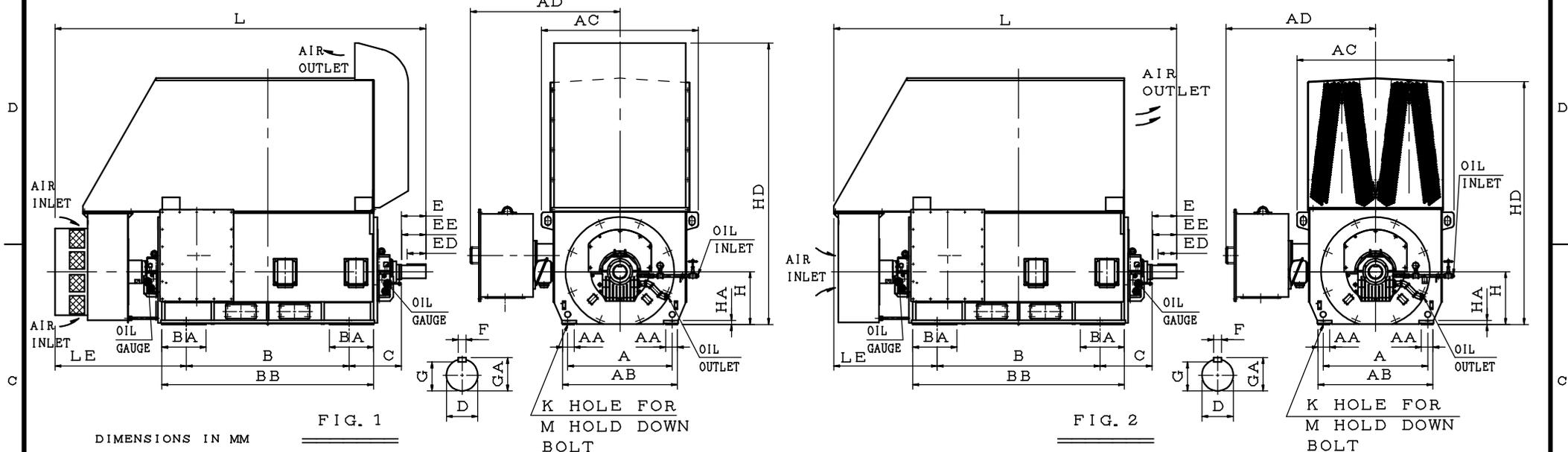


FIG. 1

K HOLE FOR M HOLD DOWN BOLT

FIG. 2

M HOLE FOR M HOLD DOWN BOLT

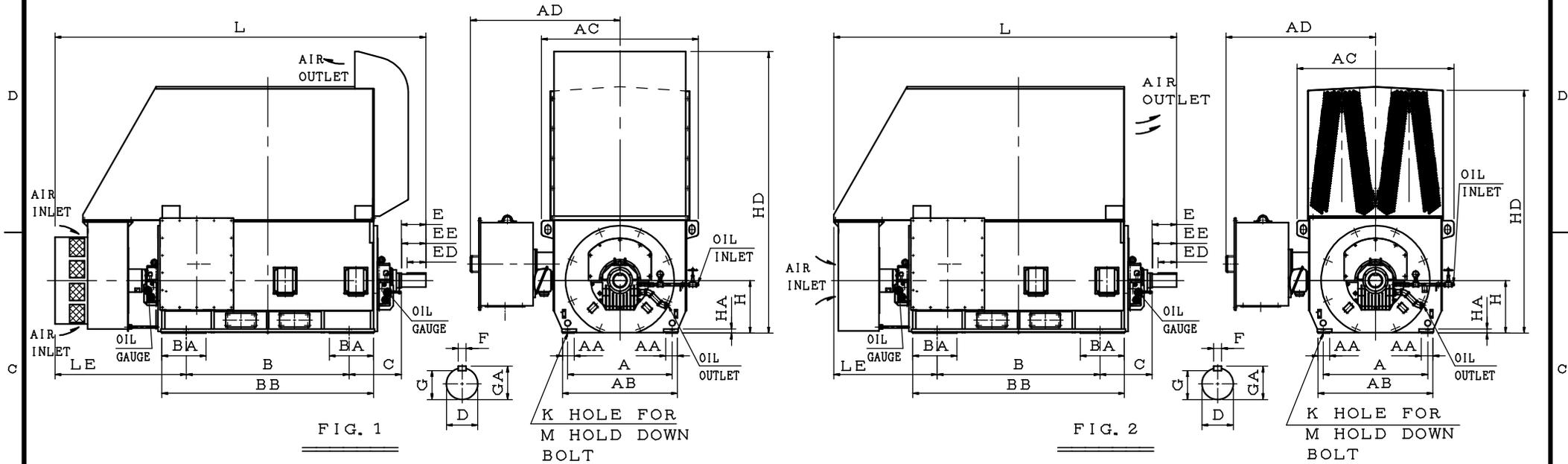
DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	FIG	MOUNTING										AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
			A	AA	AB	B	BA	BB	C	K	M	D								E	EE	G	ED	F	GA	DRIVE END	OPP. D END		
450D	2P	1	900	100	990	1250	380	1670	450	42	M30	1460	1243	450	40	2480	3090	1220	95	170	164	86	140	25	100	9/90	9/80	450D	
450E	2P	1	900	100	990	1400	380	1820	450	42	M30	1460	1243	450	40	2480	3240	1220	95	170	164	86	140	25	100	9/90	9/80	450E	
500C	4P	1	1000	140	1150	1250	405	1700	500	48	M36	1620	1318	500	40	2690	3260	1300	125	210	204	114	160	32	132	11/125	11/110	500C	
560C	6P	2	1180	140	1280	1400	430	1850	530	55	M42	1760	1388	560	53	2410	3200	970	160	300	294	147	250	40	169	14/160	11/125	560C	
560D	4P	1	1180	140	1280	1600	430	2050	530	55	M42	1760	1388	560	53	2910	3750	1370	140	250	244	128	200	36	148	14/140	11/125	560D	
	6P	2														2410	3400	970	160	300	294	147	250	40	169	14/160	11/125		
630C	4P	1	1250	160	1400	1600	480	2100	560	55	M42	1900	1513	630	58	3373	3885	1425	180	300	287	165	250	45	190	18/180	14/140	630C	
	6P	2														2838	3455	995											
630D	4P	1	1250	160	1400	1800	480	2300	560	55	M42	1900	1513	630	58	3373	4085	1425	180	300	287	165	250	45	190	18/180	14/140	630D	
	6P	2														2838	3655	995											
630E	4P	1	1250	160	1400	2000	480	2500	560	55	M42	1900	1513	630	58	3373	4285	1425	180	300	287	165	250	45	190	18/180	14/140	630E	
	6P	2														2838	3855	995											
710C	4P	1	1400	180	1570	1800	520	2350	600	55	M42	2240	1683	710	50	3633	4270	1520	200	350	337	185	280	45	210	18/200	18/180	710C	
	6P & 8P	2														3103	3770	1020											
710D	4P	1	1400	180	1570	2000	520	2550	600	55	M42	2240	1683	710	50	3633	4470	1520	200	350	337	185	280	45	210	18/200	18/180	710D	
	6P & 8P	2														3103	3970	1020											
710E	4P	1	1400	180	1570	2240	520	2700	600	55	M42	2240	1683	710	50	3633	4665	1475	200	350	337	185	280	45	210	18/200	18/180	710E	
	6P & 8P	2														3103	4165	975											

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = h9$  FOR F#630 & BELOW,  $H = h8$  FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH  $F = h9$ .
4. USABLE SHAFT LENGTH: EE
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710, F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)450D-900D

TOTALLY ENCLOSED AIR-TO-AIR COOLED TYPE, SQUIRREL CAGE ROTOR.



DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	FIG	MOUNTING								AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				BEARING			FRAME NO.			
			A	AA	AB	B	BA	BB	C	K								M	D	E	EE	G	ED	F		GA	DRIVE END	OPP. D END
800C	4P	1	1700	220	1900	2000	600	2560	630	55	M42	2421	1795	800	65	3850	4605	1625	220	350	337	203	280	50	231	22/225	22/200	800C
	6P&8P	2	1700	220	1900	2000	600	2560	630	55	M42	2421	1795	800	65	3193	4215	1175	240	410	397	220	360	56	252	22/250	22/225	
800D	4P	1	1700	220	1900	2240	600	2700	630	55	M42	2421	1795	800	65	3850	4795	1575	220	350	337	203	280	50	231	22/225	22/200	800D
	6P&8P	2	1700	220	1900	2240	600	2700	630	55	M42	2421	1795	800	65	3193	4405	1125	240	410	397	220	360	56	252	22/250	22/225	

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \pm 0.05$  FOR F#630 & BELOW,  $H = \pm 0.1$  FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH  $F = h9$ .
4. USABLE SHAFT LENGTH: EE
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710, F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)450D-900D

TOTALLY ENCLOSED AIR-TO-AIR COOLED TYPE, SQUIRREL CAGE ROTOR.

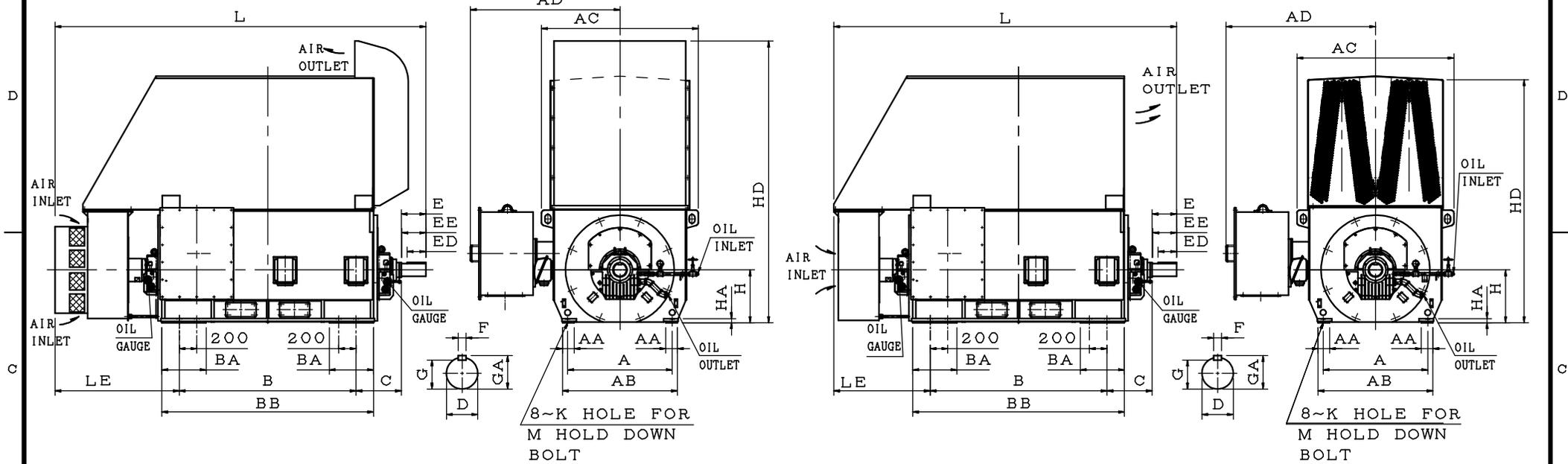


FIG. 1

FIG. 2

DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	FIG	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
			A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
900B	8P	2	1800	220	1995	2000	600	2600	670	55	M42	2619	1894	900	65	3373	4290	1210	260	410	397	240	360	56	272	22/250	22/225	900B
900C	4P	1	1800	220	1995	2240	600	2740	670	55	M42	2619	1894	900	65	4027	4915	1595	240	410	397	220	360	56	252	22/250	22/225	900C
	6P & 8P	2	1800	220	1995	2240	600	2740	670	55	M42	2619	1894	900	65	3373	4480	1160	260	410	397	240	360	56	272	22/250	22/225	
900D	6P & 8P	2	1800	220	1995	2500	600	3000	670	55	M42	2619	1894	900	65	3373	4740	1160	260	410	397	240	360	56	272	22/250	22/225	900D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \frac{0}{-0.05}$  FOR F#630 & BELOW,  $H = \frac{0}{+0.05}$  FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH  $F = h9$ .
4. USABLE SHAFT LENGTH: EE
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710, F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)450D-900D