

# 全密型氣對氣冷卻馬達 (TEAAC)

**MODEL : AEZK**

STANDARD 3-PHASE INDUCTION MOTORS  
HIGH VOLTAGE (6000V/50Hz) SQUIRREL CAGE  
FRAME NO. (EZ) 355C ~ 900D



DWG NO.

3A057H484E

REV. 09

		<b>SPECIFICATION TABLE</b> <b>STANDARD 3-PHASE INDUCTION MOTORS</b> <b>HIGH VOLTAGE SQUIRREL CAGE</b>		MODEL
				<b>AEZK</b> <b>6000V</b> <b>50Hz</b>
ITEM		STANDARD SPECIFICATION		
R A T I O N A L	KIND OF MOTOR	SQUIRREL-CAGE INDUCTION MOTOR (SCIM)		
	DESIGN STANDARD	IEC		
	VOLTAGE	6000V		
	FREQUENCY	50Hz		
	FRAME NO. (EZ)	355C ~ 900D		
	OUTPUT RANGE	300 ~ 14000HP (220 ~ 10450kW) 50Hz		
	R.P.M. (SYN.)	3000 ~ 750R.P.M. (2 ~ 8 POLE) 50Hz		
	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 ~ 40°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. 3A057H487E 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. 3A057H487E, 3A057M176E, VALUES IN TABLE ARE NOMINAL		
	TEMPERATURE RISE	STATOR COIL : ( ACCORDING TO NEMA MG1-2003 ) S.F. 1.0 80°C BY RESISTANCE METHOD • RECOMMEND TEMPERATURE SETTINGS : ALARM 140°C ; TRIP 155°C BEARINGS : SLEEVE BEARINGS : 53°C AT RATED LOAD ANTI-FRICTION BEARINGS : 55°C AT RATED LOAD • RECOMMEND TEMPERATURE SETTINGS : ALARM 95°C ; TRIP 100°C		
	NOISE	SOUND PRESSURE LEVEL MEASURED AT 1 METER DISTANCE & NO-LOAD CONDITION PER IEEE 85 METHOD ( TOLERANCE $\pm 3$ dB ). 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 $\mu$ 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 $\mu$ m ( PEAK-TO-PEAK ) ON SHAFT RELATIVE.		
	OVER SPEED	TWO MIN., 120% OF SYN. R.P.M. FOR RATED 1501R.P.M. & ABOVE, 125% OF SYN. R.P.M. FOR RATED 1500R.P.M. & BELOW		

<b>PERFORMANCE DATA</b>										MODEL <b>AEZK/XC/XJ</b>	
3-PHASE SQUIRREL CAGE INDUCTION MOTORS (ANTI-FRICTION BEARING)										<b>6000V</b> <b>50HZ</b>	

TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0  
2P 6000V 50HZ

**TYPICAL PERFORMANCE**

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT  KGS
HP	(kW)	LOAD	NO.  (EZ)	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		LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	KG-M	%FLT	%FLT	KG-M <sup>2</sup>	
700	520	2969	355C-85R	93.4	93.6	93.0	87.1	85.2	79.7	62	512	315	172	60	200	19	132	3050
800	600	2968	355D-85R	93.9	94.1	93.7	88.1	86.7	82.0	70	517	361	196	60	200	20	147	3180
900	670	2968	355D-85R	94.1	94.4	93.9	88.3	86.8	82.0	78	610	473	221	60	200	21	162	3280
1000	750	2971	355E-85R	94.4	94.7	94.2	88.4	86.5	81.0	86	584	505	245	70	220	23	176	3470
1250	930	2971	400D-85R	94.5	94.4	93.5	89.7	90.1	88.2	106	472	498	306	60	180	33	209	4580
1500	1120	2973	400D-85R	94.9	94.8	93.9	90.0	89.9	87.4	126	525	663	367	70	190	37	240	4760
1750	1320	2976	400E-85R	95.2	95.1	94.2	91.4	91.0	88.5	146	614	897	428	80	230	45	268	5290
2000	1500	2969	450C-95R	94.6	94.5	93.6	90.4	90.6	88.7	169	487	822	490	70	180	50	296	6100
2250	1680	2974	450D-95R	95.0	94.9	94.0	91.6	91.3	88.8	186	598	1111	550	80	230	59	320	6620
2500	1850	2974	450D-95R	95.4	95.3	94.4	92.2	92.0	89.9	202	619	1253	612	80	230	64	342	6900

- NOTE :
1. Test standard : IEC 60034-2-1 or IEEE112.
  2. Tolerance : IEC 60034-1.
  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

4P 6000V 50HZ

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR		Max. Load GD <sup>2</sup> 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	GD <sup>2</sup> KG-M <sup>2</sup>	GD <sup>2</sup> KG-M <sup>2</sup>	
500	375	1482	355C-110R	93.6	93.8	93.2	82.4	78.6	70.0	47	560	262	245	70	220	34	771	3200
600	450	1483	355D-110R	94.2	94.4	93.9	83.4	79.9	71.8	55	592	326	294	70	230	41	904	3530
700	520	1484	355E-110R	94.5	94.8	94.4	84.4	81.1	73.5	63	605	380	343	70	230	45	1032	3820
800	600	1482	355E-110R	94.7	95.0	94.8	84.8	82.2	75.4	72	577	415	393	70	220	51	1161	4020
900	670	1486	400C-110R	94.9	95.0	94.4	84.1	80.6	72.6	81	629	508	441	70	240	70	1276	4440
1000	750	1486	400D-110R	95.1	95.2	94.7	84.5	81.2	73.5	90	624	560	490	70	240	75	1395	4740
1250	930	1485	450B-125R	94.6	94.7	94.1	86.7	84.5	78.2	109	554	604	612	60	210	107	1684	5420
1500	1120	1484	450B-125R	94.8	95.0	94.5	86.6	84.6	78.8	131	526	691	735	60	200	113	1958	5820
1750	1320	1486	450C-125R	95.2	95.3	94.8	86.9	84.3	77.6	154	613	941	857	70	230	133	2209	6580
2000	1500	1486	450D-125R	95.4	95.6	95.2	88.0	85.8	79.9	172	622	1069	979	70	230	152	2454	7000
2250	1680	1488	500B-140V	95.4	95.5	95.1	88.1	86.5	81.7	192	574	1104	1100	60	220	226	2678	8110
2500	1850	1488	500C-140V	95.8	95.9	95.4	88.4	86.8	82.0	210	596	1253	1222	60	220	248	2900	8640
3000	2240	1488	500D-140V	96.0	96.1	95.8	88.6	87.0	82.3	253	617	1564	1467	60	230	281	3315	9330
3500	2650	1490	560C-160V	96.3	96.3	95.7	86.3	83.8	77.2	307	624	1915	1709	60	230	376	3682	10940
4000	3000	1490	560D-160V	96.4	96.4	96.0	87.0	84.8	78.6	344	642	2210	1953	70	240	423	4028	11670
4500	3360	1491	560D-160V	96.60	96.60	96.20	87.60	85.40	79.50	382	680	2598	2196	70	250	489	4337	12620
5000	3750	1492	630C-200V	96.70	96.70	96.20	89.90	88.10	83.20	415	666	2764	2438	60	250	710	4616	13810
5500	4100	1492	630C-200V	96.80	96.80	96.30	90.10	88.40	83.60	452	690	3121	2682	60	250	777	4878	14410
6000	4500	1492	630D-200V	96.80	96.80	96.40	90.10	88.40	83.50	496	684	3396	2926	60	250	803	5115	15050
6500	4850	1492	630D-200V	96.90	96.90	96.50	90.70	89.00	84.30	531	730	3876	3170	70	250	908	5328	16000
7000	5200	1492	630E-200V	96.90	96.90	96.50	90.30	88.40	83.30	572	739	4226	3414	70	250	934	5519	16540
7500	5600	1492	630E-200V	97.00	97.00	96.70	90.80	89.10	84.50	612	737	4509	3658	70	250	1013	5689	17240
8000	6000	1491	710C-220V	96.90	97.10	96.80	92.20	91.20	88.00	646	652	4213	3904	60	250	1312	5850	22620
9000	6700	1491	710D-220V	97.00	97.10	96.80	92.90	91.90	88.80	715	694	4965	4392	60	250	1474	6089	24390
10000	7500	1491	710E-220V	97.10	97.20	97.00	92.90	91.90	88.70	800	724	5792	4880	60	250	1673	6254	25520

NOTE : 1. Test standard : IEC 60034-2-1 or IEEE112.

2. Tolerance : IEC 60034-1.

3. Data presented in rating lists are typical values. Guaranteed values on request.

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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 6000V 50HZ

## TYPICAL PERFORMANCE

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR		Max. Load GD <sup>2</sup>	APPROX. WEIGHT
HP	(kW)			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	Rated	Starting	Starting	Rated	Starting	Max.	GD <sup>2</sup>	GD <sup>2</sup>		
		RPM	(EZ)	%	%	%	%	%	%	A	%	A	KG-M	%FLT	%FLT	KG-M <sup>2</sup>	KG-M <sup>2</sup>	KGS	
400	300	988	355D-110R	92.7	92.6	91.5	82.4	78.6	69.4	38	593	224	295	100	230	44.6	2283	2820	
450	335	988	355D-110R	92.9	92.7	91.8	82.1	78.4	69.4	42	575	243	331	100	220	44.6	2539	3010	
500	375	988	400B-110R	93.1	93.0	92.1	83.5	80.5	72.3	46	560	260	368	60	210	68.2	2792	3180	
600	450	988	400C-110R	93.5	93.3	92.5	84.6	81.9	74.4	55	566	310	442	70	210	79.7	3287	3550	
700	520	988	400D-110R	93.7	93.5	92.7	84.7	82.3	75.1	63	558	352	516	70	200	84.6	3769	3590	
800	600	989	450B-125R	93.6	93.5	92.4	83.6	80.4	72.3	74	580	428	589	70	220	121.9	4231	4610	
900	670	989	450C-125R	94.1	93.9	92.9	83.7	80.3	71.9	82	634	519	662	90	240	140.6	4692	4830	
1000	750	989	450C-125R	94.2	94.1	93.2	84.2	81.1	73.2	91	618	562	736	80	240	148	5144	4910	
1250	930	989	450D-125R	94.6	94.5	93.6	85.4	82.8	75.7	111	628	695	920	90	230	182.4	6238	5500	
1500	1120	990	500B-140R	94.6	94.4	93.3	83.3	80.0	71.7	137	601	822	1102	80	240	247.8	7268	6580	
1750	1320	990	500C-140R	94.9	94.7	93.8	84.3	81.4	73.8	159	595	945	1286	80	230	281.4	8274	7410	
2000	1500	989	500D-140R	95.0	94.9	94.0	84.9	82.4	75.5	179	580	1038	1471	70	220	307.7	9268	7810	
2250	1680	991	560B-160R	95.1	95.0	93.8	84.9	82.4	75.3	200	580	1162	1652	70	230	437.4	9393	9020	
2500	1850	991	560C-160R	95.5	95.3	94.3	85.3	83.0	76.4	219	574	1254	1836	60	220	452.5	10229	9310	
3000	2240	990	560C-160R	95.6	95.5	94.6	85.7	83.8	77.8	263	543	1429	2205	60	200	492.3	11854	9440	
3500	2650	993	630C-200R	95.7	95.6	94.2	86.5	84.5	78.6	308	677	2085	2565	90	230	888.5	13252	13550	
4000	3000	993	630C-200R	95.9	95.8	94.6	86.4	84.6	78.9	348	658	2293	2931	90	210	945.1	14656	13740	
4500	3360	993	630D-200R	96.1	95.9	95.0	86.7	85.4	80.2	388	635	2465	3297	90	200	1013.3	15981	14010	
5000	3750	993	630D-200R	96.2	96.0	95.2	86.8	85.5	80.6	432	621	2685	3664	90	200	1073.2	17233	14450	
5500	4100	994	710D-220R	96.0	95.8	94.8	86.5	86.3	82.9	475	593	2818	4026	70	180	1850.5	18365	21420	
6000	4500	995	710E-220R	96.2	96.1	95.0	86.6	85.4	80.8	520	682	3545	4388	80	200	2058.1	19425	22720	
6500	4850	995	710E-220R	96.3	96.1	95.2	86.7	86.3	82.7	559	617	3448	4753	70	180	2107.5	20472	23100	
7000	5200	995	710E-220R	96.5	96.3	95.4	86.6	85.8	81.5	599	665	3982	5119	80	190	2216	21461	23740	

NOTE : 1. Test standard : IEC 60034-2-1 or IEEE112.

2. Tolerance : IEC 60034-1.

3. Data presented in rating lists are typical values. Guaranteed values on request.

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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.

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

8P 6000V 50HZ

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR		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	GD <sup>2</sup> KG-M <sup>2</sup>	GD <sup>2</sup> KG-M <sup>2</sup>		
300	220	739	355D-110R	92.1	91.9	91.1	78.3	73.3	62.5	30	562	168	295	110	220	62.6	3837	2640	
350	260	741	400B-110R	92.3	92.2	91.3	82.2	78.2	69.0	33	568	188	344	80	210	98.1	4084	3170	
400	300	741	400C-110R	92.5	92.3	91.5	82.9	79.5	70.9	37	545	204	393	80	200	104.8	4614	3240	
450	335	741	400C-110R	93.2	93.1	92.2	83.4	80.3	72.3	42	551	229	442	80	200	119.2	5136	3500	
500	375	742	400D-110R	93.5	93.3	92.5	82.2	78.1	68.7	47	606	283	490	90	230	125.9	5633	3680	
600	450	741	450A-125R	93.4	93.2	92.4	81.8	79.6	72.3	56	479	270	589	80	180	146	6665	4500	
700	520	741	450A-125R	93.6	93.4	92.6	81.8	79.9	72.8	66	471	309	687	80	180	156.1	7657	4670	
800	600	741	450C-125R	94.2	94.0	93.2	82.6	80.8	73.9	74	497	367	786	80	180	185.5	8629	4920	
900	670	741	450C-125R	94.5	94.4	93.5	82.6	80.6	73.4	83	518	429	884	90	180	205.9	9583	5170	
1000	750	742	450D-125R	94.8	94.7	93.8	82.1	79.3	71.1	92	571	526	981	100	190	228.2	10487	5410	
1250	930	743	500C-140R	95.0	94.9	94.0	82.3	79.1	71.0	115	599	687	1224	100	210	329.5	12718	7510	
1500	1120	743	500D-140R	95.3	95.2	94.3	82.6	79.3	71.1	137	628	859	1469	110	220	400.7	14905	7850	
1750	1320	743	560C-160R	95.1	95.0	94.1	84.5	82.6	76.1	156	573	896	1714	70	200	686.9	15744	9310	
2000	1500	744	560D-160R	95.3	95.2	94.3	84.7	82.2	74.9	178	647	1150	1956	80	220	858.4	17582	10700	
2250	1680	744	560D-160R	95.5	95.3	94.5	84.9	82.7	75.8	199	628	1252	2200	80	210	905.7	19420	11100	
2500	1850	743	630D-200R	95.8	95.7	94.8	85.2	83.0	76.3	220	654	1438	2448	90	220	1441.5	21281	14200	
3000	2240	743	630D-200R	96.0	95.9	95.0	84.8	82.7	75.8	264	646	1709	2938	90	220	1441.5	24733	14200	
3500	2650	743	630D-200R	96.1	96.0	95.1	84.1	81.4	73.8	311	664	2063	3427	100	230	1441.5	28019	14330	
4000	3000	743	630E-200R	96.2	96.0	95.2	84.5	82.2	75.4	353	626	2213	3917	90	210	1491	31154	17930	
4500	3360	743	710D-220R	96.0	95.9	95.0	85.2	83.1	76.7	395	610	2408	4407	90	210	2052.3	34152	18470	
5000	3700	743	710D-220R	96.1	96.0	95.1	85.5	83.6	77.6	437	610	2663	4896	90	210	2292.8	37020	20170	

NOTE : 1. Test standard : IEC 60034-2-1 or IEEE112.

2. Tolerance : IEC 60034-1.

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<b>PERFORMANCE DATA</b>										MODEL <b>AEZK/XC/XJ</b>	
3-PHASE SQUIRREL CAGE INDUCTION MOTORS (SLEEVE BEARING)										<b>6000V</b> <b>50HZ</b>	

TEAAC, CLASS F INS, CLASS B TEMP, 40°C AMBIENT, S.F.1.0  
2P 6000V 50HZ

**TYPICAL PERFORMANCE**

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR		Max. Load	APPROX. WEIGHT  KGS
HP	(kW)	LOAD	NO.  (EZ)	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		LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	KG-M	%FLT	%FLT	KG-M <sup>2</sup>	KG-M <sup>2</sup>	
700	520	2969	355C-85U	93.4	93.6	93.0	87.1	85.2	79.7	62	512	315	172	60	200	19	132	3050	
800	600	2968	355D-85U	93.9	94.1	93.7	88.1	86.7	82.0	70	517	361	196	60	200	20	147	3180	
900	670	2968	355D-85U	94.1	94.4	93.9	88.3	86.8	82.0	78	610	473	221	60	200	21	162	3280	
1000	750	2971	355E-85U	94.4	94.7	94.2	88.4	86.5	81.0	86	584	505	245	70	220	23	176	3470	
1250	930	2976	400D-85U	94.5	94.4	93.6	87.3	85.6	80.6	108	527	572	306	60	200	35	209	4440	
1500	1120	2975	400D-85U	94.8	94.9	94.3	88.5	87.4	83.5	128	528	678	367	60	200	39	240	4640	
1750	1320	2976	400E-85U	95.1	95.3	94.9	90.4	89.6	86.5	148	583	861	428	70	220	48	268	5150	
2000	1500	2977	450D-95V	94.7	94.8	94.0	88.5	87.3	83.0	172	528	909	489	70	200	59	294	6050	
2250	1680	2978	450D-95V	95.1	95.1	94.4	89.1	87.8	83.5	191	571	1089	550	70	220	65	318	6300	
2500	1850	2980	450D-95V	95.5	95.5	94.8	89.9	88.5	84.2	207	626	1298	610	80	240	71	340	6600	
3000	2240	2979	450E-95V	95.9	95.9	95.4	91.7	90.8	87.8	245	656	1608	733	90	250	88	381	7430	

- NOTE :
1. Test standard : IEC 60034-2-1 or IEEE112.
  2. Tolerance : IEC 60034-1.
  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

4P 6000V 50HZ

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR		Max. Load GD <sup>2</sup> KGS	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	GD <sup>2</sup> KG-M <sup>2</sup>	GD <sup>2</sup> KG-M <sup>2</sup>		
500	375	1482	355C-95U	93.6	93.8	93.2	82.4	78.6	70.0	47	560	262	245	70	220	34	771	3200	
600	450	1483	355D-95U	94.2	94.4	93.9	83.4	79.9	71.8	55	592	326	294	70	230	41	904	3530	
700	520	1484	355E-95U	94.5	94.8	94.4	84.4	81.1	73.5	63	605	380	343	70	230	45	1032	3820	
800	600	1482	355E-95U	94.7	95.0	94.8	84.8	82.2	75.4	72	577	415	393	70	220	51	1161	4020	
900	670	1486	400C-110U	94.9	95.0	94.4	84.1	80.6	72.6	81	629	508	441	70	240	70	1276	4440	
1000	750	1486	400D-110U	95.1	95.2	94.7	84.5	81.2	73.5	90	624	560	490	70	240	75	1395	4740	
1250	930	1485	450B-125U	94.6	94.7	94.1	86.7	84.5	78.2	109	554	604	612	60	210	107	1684	5420	
1500	1120	1484	450B-125U	94.8	95.0	94.5	86.6	84.6	78.8	131	526	691	735	60	200	113	1958	5820	
1750	1320	1486	450C-125U	95.2	95.3	94.8	86.9	84.3	77.6	154	613	941	857	70	230	133	2209	6580	
2000	1500	1486	450D-125U	95.4	95.6	95.2	88.0	85.8	79.9	172	622	1069	979	70	230	152	2454	7000	
2250	1680	1488	500B-140V	95.4	95.5	95.1	88.1	86.5	81.7	192	574	1104	1100	60	220	226	2678	8110	
2500	1850	1488	500C-140V	95.8	95.9	95.4	88.4	86.8	82.0	210	596	1253	1222	60	220	248	2900	8640	
3000	2240	1488	500D-140V	96.0	96.1	95.8	88.6	87.0	82.3	253	617	1564	1467	60	230	281	3315	9330	
3500	2650	1490	560C-160V	96.3	96.3	95.7	86.3	83.8	77.2	307	624	1915	1709	60	230	376	3682	10940	
4000	3000	1490	560D-160V	96.4	96.4	96.0	87.0	84.8	78.6	344	642	2210	1953	70	240	423	4028	11670	
4500	3360	1491	560D-160V	96.6	96.6	96.2	87.6	85.4	79.5	382	680	2598	2196	70	250	489	4337	12620	
5000	3750	1492	630C-200V	96.7	96.7	96.2	89.9	88.1	83.2	415	666	2764	2438	60	250	710	4616	13810	
5500	4100	1492	630C-200V	96.8	96.8	96.3	90.1	88.4	83.6	452	690	3121	2682	60	250	777	4878	14410	
6000	4500	1492	630D-200V	96.8	96.8	96.4	90.1	88.4	83.5	496	684	3396	2926	60	250	803	5115	15050	
6500	4850	1492	630D-200V	96.9	96.9	96.5	90.7	89.0	84.3	531	730	3876	3170	70	250	908	5328	16000	
7000	5200	1492	630E-200V	96.9	96.9	96.5	90.3	88.4	83.3	572	739	4226	3414	70	250	934	5519	16540	
7500	5600	1492	630E-200V	97.0	97.0	96.7	90.8	89.1	84.5	612	737	4509	3658	70	250	1013	5689	17240	
8000	6000	1491	710C-220V	96.9	97.1	96.8	92.2	91.2	88.0	646	652	4213	3904	60	250	1312	5850	22620	
9000	6700	1491	710D-220V	97.0	97.1	96.8	92.9	91.9	88.8	715	694	4965	4392	60	250	1474	6089	24390	
10000	7500	1491	710E-220V	97.1	97.2	97.0	92.9	91.9	88.7	800	724	5792	4880	60	250	1673	6254	25520	
11000	8200	1491	800C-220V	96.7	96.7	96.2	90.6	89.4	85.5	901	669	6025	5368	60	250	1985	6348	29410	
12000	8950	1492	800D-220V	96.8	96.7	96.2	90.7	88.9	84.3	981	785	7700	5852	70	250	2328	6361	32030	
13000	9700	1494	900B-240V	97.0	97.0	96.5	92.1	91.1	88.0	1045	705	7366	6331	60	250	3120	6294	34840	
14000	10450	1494	900C-240V	97.0	97.0	96.6	92.4	91.4	88.3	1122	751	8426	6818	60	250	3481	6196	37500	

NOTE : 1. Test standard : IEC 60034-2-1 or IEEE112.

2. Tolerance : IEC 60034-1.

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 6000V 50HZ

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR		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	GD <sup>2</sup> KG-M <sup>2</sup>	GD <sup>2</sup> KG-M <sup>2</sup>		
400	300	989	355D-85U	93.5	93.7	93.2	83.0	78.7	68.8	37	626	233	294	90	240	54	2278	3080	
450	335	990	400B-110U	93.4	93.6	92.9	83.1	78.9	69.3	42	624	259	331	70	240	76	2527	3360	
500	375	989	400B-110U	93.6	93.8	93.3	83.6	79.7	70.5	46	620	286	368	70	230	81	2785	3410	
600	450	990	400C-110U	93.9	94.1	93.6	83.5	79.3	69.7	55	653	361	441	80	250	91	3270	3730	
700	520	990	400D-110U	94.3	94.5	94.1	84.8	81.1	72.4	63	661	414	514	80	250	108	3751	4110	
800	600	990	450B-125U	94.2	94.4	93.9	84.5	80.6	71.5	73	665	482	588	80	250	139	4220	4790	
900	670	990	450B-125U	94.6	94.8	94.3	85.5	82.1	73.8	80	668	532	661	90	250	157	4680	4990	
1000	750	990	450C-125U	94.8	95.1	94.7	86.5	83.6	76.1	88	670	590	735	90	250	183	5131	5530	
1250	930	989	450D-125U	95.0	95.3	95.1	87.1	84.5	77.7	108	661	715	920	90	240	219	6238	6110	
1500	1120	990	500B-140U	94.9	95.1	94.6	84.7	81.6	73.7	134	604	810	1102	70	230	301	7268	7230	
1750	1320	990	500C-140U	95.3	95.4	95.0	85.9	83.1	76.0	155	627	973	1286	80	240	337	8274	7870	
2000	1500	990	500D-140U	95.4	95.6	95.3	86.8	84.7	78.9	174	588	1025	1470	70	220	385	9244	8570	
2250	1680	992	560B-160U	95.3	95.4	94.8	86.6	83.4	75.9	196	713	1397	1650	90	250	509	9369	9890	
2500	1850	992	560C-160U	95.8	95.8	95.2	87.3	84.5	77.7	213	707	1505	1834	90	250	567	10203	10600	
3000	2240	992	560D-160U	95.9	96.0	95.6	88.1	85.8	79.8	255	693	1768	2200	90	250	683	11792	11890	
3500	2650	994	630C-200V	96.5	96.5	96.0	85.0	82.5	75.7	311	667	2074	2562	90	210	982	13217	13800	
4000	3000	995	630D-200V	96.6	96.6	96.0	84.1	81.0	73.2	355	695	2470	2925	90	220	1046	14579	14700	
4500	3360	994	630D-200V	96.7	96.8	96.4	85.4	83.4	77.3	392	643	2517	3294	90	220	1182	15939	15500	
5000	3750	995	630E-200V	96.8	96.8	96.3	84.3	81.2	73.3	442	730	3228	3656	100	220	1286	17140	16610	
5500	4100	995	710C-220V	97.1	97.2	97.0	86.4	84.6	78.8	470	631	2967	4022	70	200	1729	18315	20740	
6000	4500	995	710D-220V	97.1	97.2	97.1	86.8	85.2	79.9	514	625	3211	4388	70	200	1888	19425	21660	
6500	4850	995	710D-220V	97.2	97.3	97.1	86.9	85.3	80.1	553	636	3514	4753	70	200	2044	20472	23060	
7000	5200	995	710E-220V	97.2	97.3	97.1	86.8	85.0	79.5	593	657	3896	5119	70	210	2200	21461	23720	
7500	5600	994	800C-240V	96.8	96.8	96.4	86.6	83.8	76.8	643	686	4410	5490	70	250	2548	22455	29180	
8000	6000	994	800D-240V	96.9	96.9	96.4	86.8	84.1	77.0	686	712	4887	5856	80	250	2833	23336	30380	
9000	6700	994	800D-240V	96.9	96.9	96.4	86.1	82.8	74.8	773	749	5788	6588	80	250	2967	24940	31080	
10000	7500	995	900B-260V	96.8	96.8	96.3	88.0	86.1	80.8	847	622	5270	7313	50	220	3809	24142	32810	
11000	8200	995	900C-260V	96.9	96.8	96.3	88.2	86.2	80.7	923	655	6047	8044	60	230	4271	25261	35240	
12000	8950	995	900D-260V	96.9	96.9	96.4	88.6	86.6	81.1	1003	696	6982	8775	60	250	4983	26220	38690	

NOTE : 1. Test standard : IEC 60034-2-1 or IEEE112.

2. Tolerance : IEC 60034-1.

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

8P 6000V 50HZ

## TYPICAL PERFORMANCE

OUTPUT		FULL LOAD RPM	FRAME NO. (EZ)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR		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	GD <sup>2</sup> KG-M <sup>2</sup>	GD <sup>2</sup> KG-M <sup>2</sup>		
300	220	741	355D-85U	92.3	92.5	91.7	80.4	75.0	63.9	29	651	189	295	120	250	82	3812	3130	
350	260	741	400B-110U	92.8	93.1	92.5	80.8	75.7	65.2	34	599	201	344	90	230	109	4084	3380	
400	300	742	400B-110U	93.1	93.3	92.7	80.2	74.8	63.9	38	617	237	392	90	240	116	4599	3430	
450	335	742	400C-110U	93.6	93.8	93.2	80.6	75.3	64.5	43	638	273	441	100	250	131	5119	3690	
500	375	742	400D-110U	94.1	94.4	93.9	82.9	78.7	69.5	46	619	285	490	90	230	151	5633	4060	
600	450	741	450B-125U	93.6	94.1	93.8	82.0	78.3	69.2	56	560	314	589	90	200	164	6665	4640	
700	520	741	450B-125U	94.1	94.4	94.1	81.5	77.4	67.8	66	596	391	687	100	220	184	7657	4790	
800	600	741	450C-125U	94.4	94.8	94.6	83.4	80.2	72.0	73	585	427	786	100	210	218	8629	5270	
900	670	742	450D-125U	94.5	94.9	94.8	83.7	80.5	72.3	82	609	497	883	100	210	251	9551	5750	
1000	750	743	450D-125U	94.8	95.0	94.6	82.0	77.4	67.3	92	701	647	979	130	250	275	10452	5950	
1250	930	742	500C-140U	94.9	95.1	94.7	83.0	79.4	70.9	114	624	711	1226	120	220	369	12761	7490	
1500	1120	742	500D-140U	95.1	95.3	94.9	83.2	79.6	71.0	136	651	886	1471	130	230	451	14955	8520	
1750	1320	744	560B-160U	95.5	95.8	95.5	83.3	79.3	70.3	158	681	1075	1711	80	250	706	15691	9390	
2000	1500	744	560D-160U	95.7	96.0	95.8	84.7	81.2	73.0	177	699	1238	1956	90	250	878	17582	10860	
2250	1680	744	560D-160U	95.9	96.1	95.9	85.1	81.9	73.9	198	712	1409	2200	90	250	1022	19420	11660	
2500	1850	745	630C-200U	96.6	96.6	96.1	82.4	78.9	70.4	225	640	1443	2442	70	210	1379	21137	13430	
3000	2240	745	630D-200U	96.7	96.7	96.3	82.7	79.4	71.2	269	644	1734	2930	70	210	1610	24564	15370	
3500	2650	746	630E-200U	96.8	96.8	96.4	82.2	78.3	69.2	316	700	2210	3414	80	230	1877	27731	17010	
4000	3000	745	710C-220V	96.5	96.6	96.2	85.9	83.3	76.4	346	642	2224	3907	70	220	2156	30939	20400	
4500	3360	745	710D-220V	96.6	96.7	96.3	86.0	83.3	76.3	389	674	2621	4395	70	230	2477	33914	21390	
5000	3700	745	710E-220V	96.7	96.7	96.3	85.6	82.4	74.4	434	740	3209	4883	80	250	2838	36761	22260	
5500	4100	745	800B-240V	96.7	96.7	96.2	83.3	79.1	69.6	490	684	3353	5372	70	250	2737	39488	25330	
6000	4500	745	800C-240V	96.7	96.7	96.3	83.2	78.9	69.4	535	693	3710	5860	70	250	2903	42102	26780	
6500	4850	745	800C-240V	96.7	96.8	96.3	83.4	79.2	69.6	579	701	4056	6348	80	250	3145	44609	27280	
7000	5200	745	800D-240V	96.8	96.8	96.3	83.2	78.7	68.9	624	725	4523	6837	80	250	3386	47012	29080	
7500	5600	745	900B-260V	96.8	96.8	96.3	82.8	79.4	70.9	672	630	4232	7325	60	220	4283	45320	31310	
8000	6000	746	900B-260V	96.8	96.8	96.3	82.1	78.3	69.0	723	666	4813	7803	70	230	4560	47181	32110	
9000	6700	745	900C-260V	96.9	96.9	96.6	83.4	80.3	72.0	799	641	5124	8790	60	220	5204	51170	34840	
10000	7500	746	900D-260V	97.0	97.0	96.6	82.9	79.4	70.5	893	667	5954	9753	70	230	5603	54475	37390	

NOTE : 1. Test standard : IEC 60034-2-1 or IEEE112.

2. Tolerance : IEC 60034-1.

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.

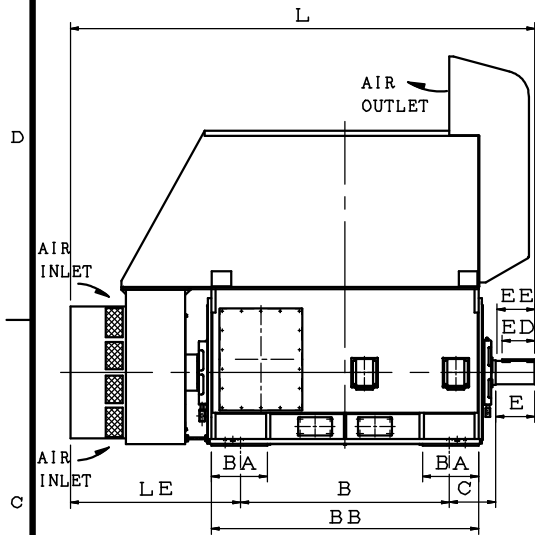


FIG. 1

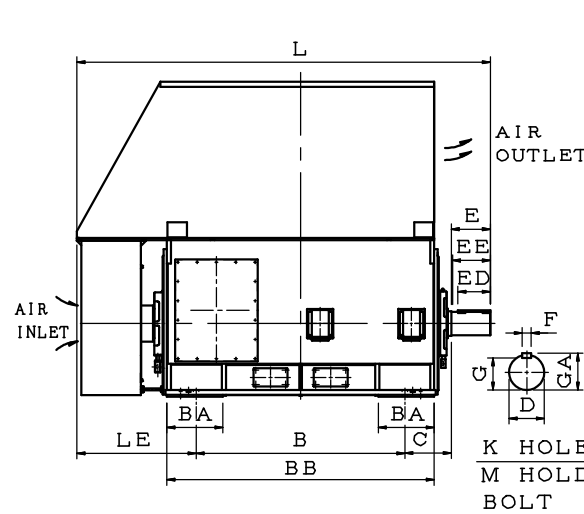
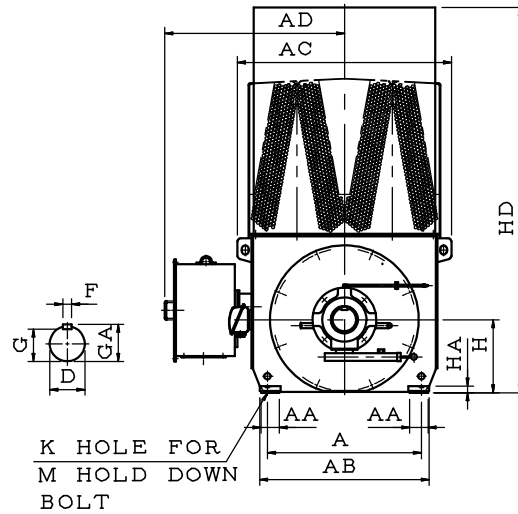


FIG. 2

FRAME NO.	NO. OF POLES	FIG	MOUNTING										SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.						
			A	AA	AB	B	BA	BB	C	K	M	AC	AD	H	HA	HD	L	LE	D	E	EE		G	ED	F	GA	DRIVE END	OPP. D END
																			2304	2344	85		170	157	76	140	22	90
355C	2P	1	710	85	790	900	280	1200	254	35	M24	1220	1118	355	40	1940	2304	980	85	170	157	76	140	22	90	6218C3	6315C3	355C
	4P															2344		110	210	200	100	160	28	116	6324	6320		
355D	2P	1	710	85	790	1000	280	1300	254	35	M24	1220	1118	355	40	1940	2404	980	85	170	157	76	140	22	90	6218C3	6315C3	355D
355D	4P	1	710	85	790	1000	280	1300	254	35	M24	1220	1118	355	40	1940	2444	980	110	210	200	100	160	28	116	6324	6320	355D
	6P&8P	2														1560	2214	750										
355E	2P	1	710	85	790	1120	280	1420	254	35	M24	1220	1118	355	40	1940	2524	980	85	170	157	76	140	22	90	6218C3	6315C3	355E
355E	4P	1	710	85	790	1120	280	1420	254	35	M24	1220	1118	355	40	1940	2564	980	110	210	200	100	160	28	116	6324	6320	355E
400B	6P&8P	2	800	95	900	900	355	1260	280	42	M30	1320	1168	400	40	1710	2140	750	110	210	200	100	160	28	116	6324	6320	400B
400C	4P	1	800	95	900	1000	355	1360	280	42	M30	1320	1168	400	40	2140	2500	1010	110	210	200	100	160	28	116	6324	6320	400C
	6P&8P	2														1665	2240	750										
400D	2P	1	800	95	900	1120	355	1480	280	42	M30	1320	1168	400	40	2140	2580	1010	85	170	157	76	140	22	90	6218C3	6315C3	400D
400D	4P	1	800	95	900	1120	355	1480	280	42	M30	1320	1168	400	40	2140	2620	1010	110	210	200	100	160	28	116	6324	6320	400D
	6P&8P	2														1665	2360	750										

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. ANTI-FRICTION BEARINGS.

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)355C-710E

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

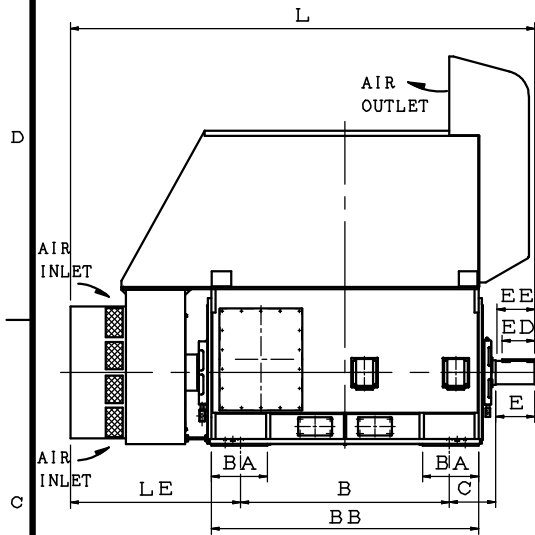
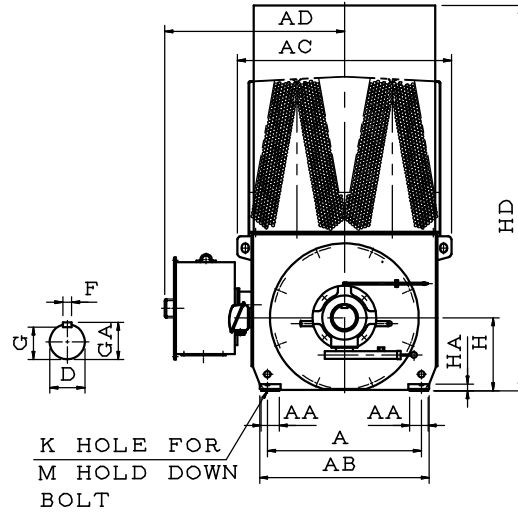


FIG. 1



K HOLE FOR  
M HOLD DOWN  
BOLT

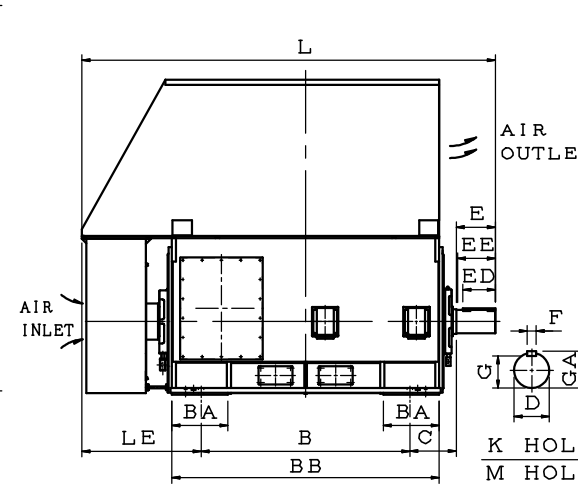
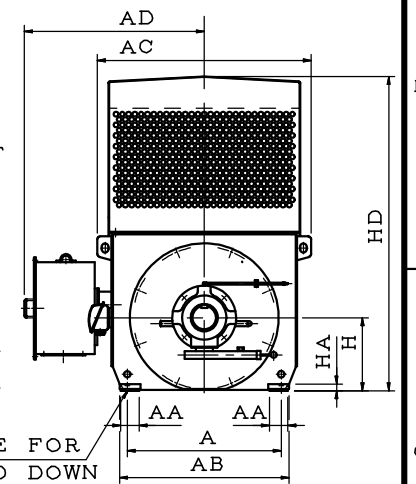


FIG. 2



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	
400E	2P	1	800	95	900	1250	355	1610	280	42	M30	1320	1168	400	40	2140	2710	1010	85	170	157	76	140	22	90	6220C3	6315C3	400E
450A	8P	2	900	100	990	900	380	1420	315	42	M30	1460	1243	450	40	1980	2205	780	125	210	202	114	160	32	132	6326	6322	450A
450B	4P	1	900	100	990	1000	380	1420	315	42	M30	1460	1243	450	40	2480	2565	1040	125	210	202	114	160	32	132	6326	6322	450B
	6P	2														1785	2305	780										
450C	2P	1	900	100	990	1120	380	1540	315	42	M30	1460	1243	450	40	2480	2645	1040	125	210	202	114	160	32	132	6326	6322	450C
	4P	1														2480	2685	1040										
450D	6P&8P	2	900	100	990	1250	380	1670	315	42	M30	1460	1243	450	40	1785	2425	780	125	210	202	114	160	32	132	6326	6322	450D
	2P	1														2480	2775	1040										
500B	6P	2	1000	140	1150	1250	405	1700	335	48	M36	1620	1318	500	40	1900	2700	865	140	250	240	128	200	36	148	NU230	6330	500B
	6P&8P	2																										
500C	6P	2	1000	140	1150	1250	405	1700	335	48	M36	1620	1318	500	40	1900	2700	865	140	250	240	128	200	36	148	NU230	6330	500C
500D	6P&8P	2	1000	140	1150	1400	405	1850	335	48	M36	1620	1318	500	40	1900	2850	865	140	250	240	128	200	36	148	NU230	6330	500D
560B	6P	2	1180	140	1280	1250	430	1850	355	55	M42	1760	1388	560	53	2055	2820	915	160	300	290	147	250	40	169	NU234	NU230+ 6230	560B

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. ANTI-FRICTION BEARINGS.

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)355C-710E

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

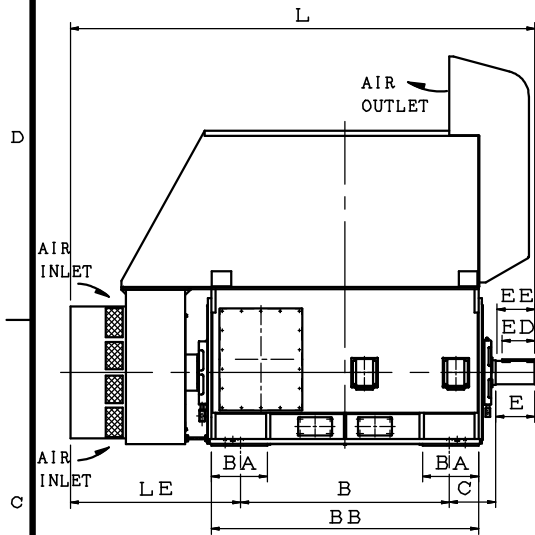
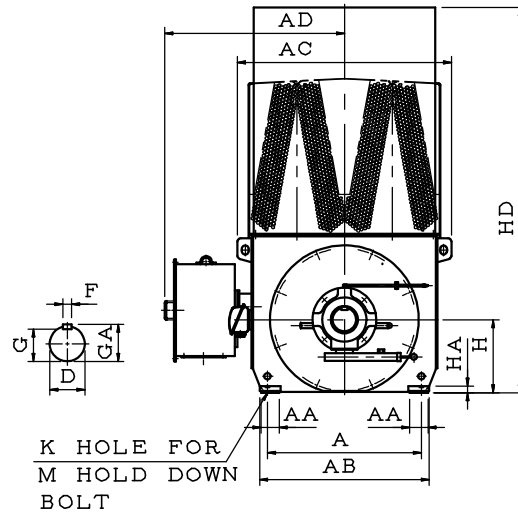


FIG. 1



K HOLE FOR  
M HOLD DOWN  
BOLT

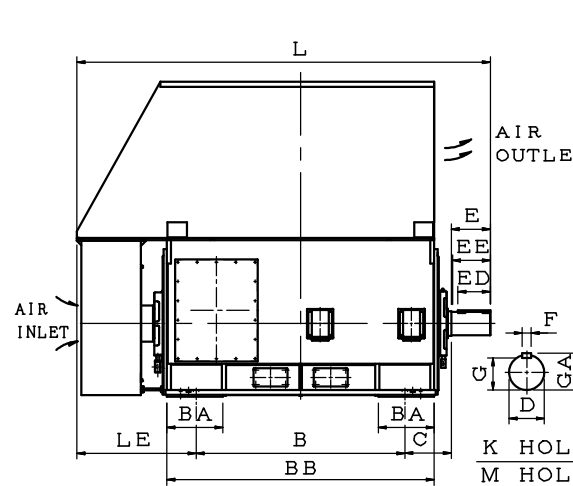
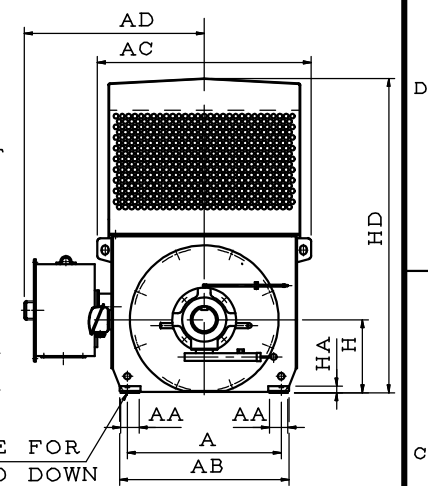


FIG. 2



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	
560C	6P&8P	2	1180	140	1280	1400	430	1850	355	55	M42	1760	1388	560	53	2055	2970	915	160	300	290	147	250	40	169	NU234	NU230+6230	560C
560D	6P&8P	2	1180	140	1280	1600	430	2050	355	55	M42	1760	1388	560	53	2055	3170	915	160	300	290	147	250	40	169	NU234	NU230+6230	560D
630C	6P	2	1250	160	1400	1600	480	2100	375	55	M42	1900	1513	630	58	2600	3280	955	200	350	337	185	280	45	210	NU244+6244	NU238	630C
630D	6P 8P	2	1250	160	1400	1800	480	2300	375	55	M42	1900	1513	630	58	2600 2450	3480	955	200	350	337	185	280	45	210	NU244+6244	NU238	630D
630E	8P	2	1250	160	1400	2000	480	2300	375	55	M42	1900	1513	630	58	2450	3680	955	200	350	337	185	280	45	210	NU244+6244	NU238	630E
710D	6P 8P	2	1400	180	1570	2000	520	2550	475	55	M42	2240	1683	710	50	2970 2720	3805	980	220	350	337	203	280	50	231	NU248+6048	NU244	710D
710E	6P	2	1400	180	1570	2240	520	2700	475	55	M42	2240	1683	710	50	2970	4000	935	220	350	337	203	280	50	231	NU248+6048	NU244	710E

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = \pm 0.06$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \pm 0.1$ .
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)355C-710E

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

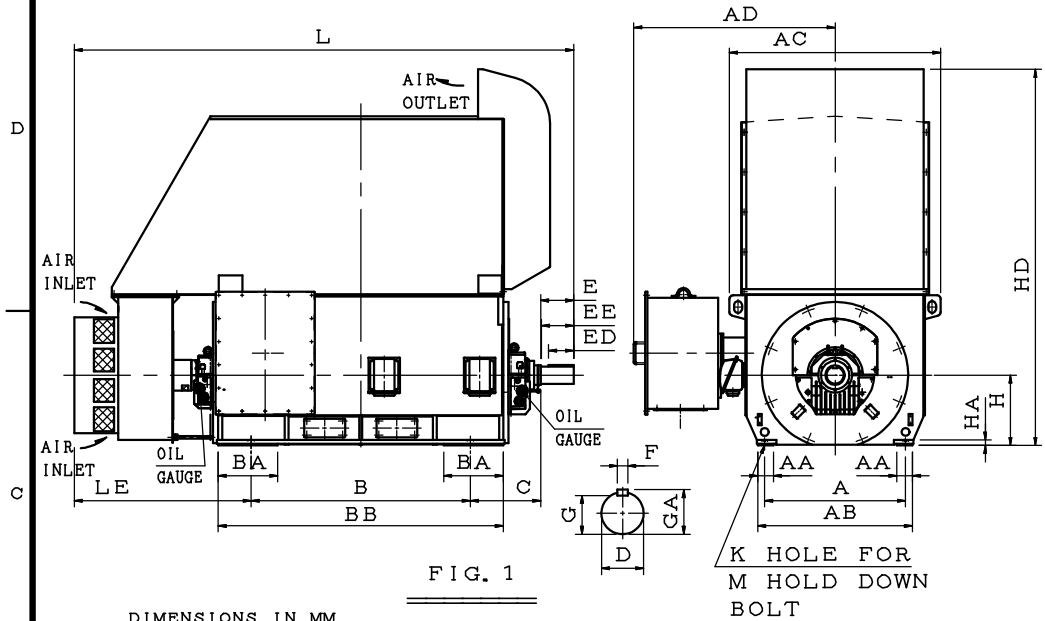


FIG. 1

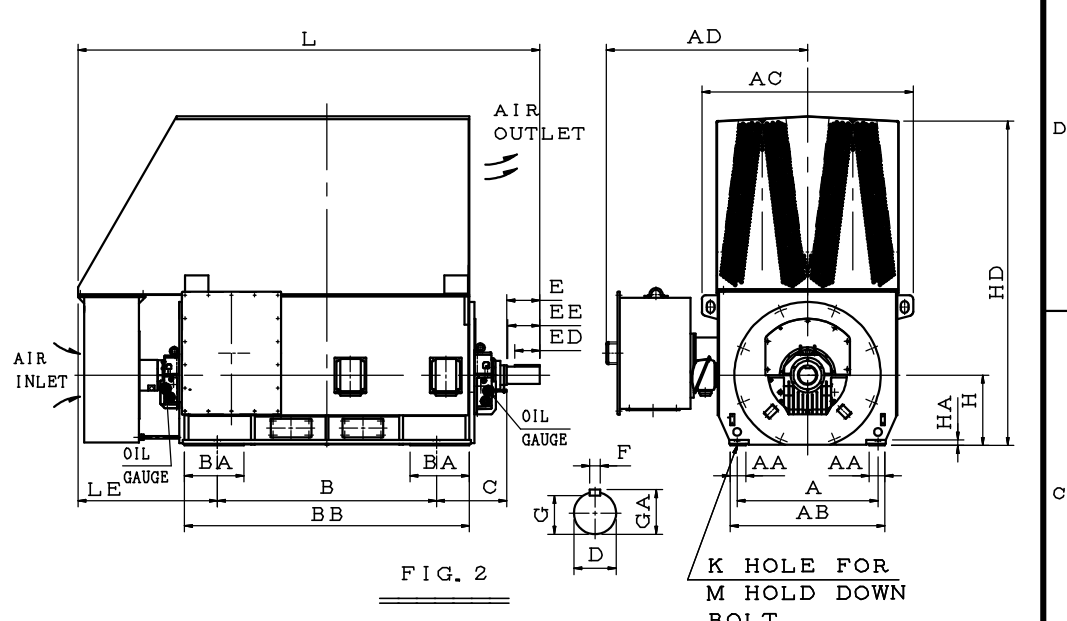


FIG. 2

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	
355C	2P	1	710	85	790	900	280	1200	355	35	M24	1220	1118	355	40	1940	2535	1110	85	170	164	76	140	22	90	9S/80	9S/80	355C
	4P		710	85	790	900	280	1200	355	35	M24	1220	1118	355	40	1940	2535	1110	95	170	164	86	140	25	100	9S/90	9S/80	
355D	2P	1	710	85	790	1000	280	1300	355	35	M24	1220	1118	355	40	1940	2635	1110	85	170	164	76	140	22	90	9S/80	9S/80	355D
	4P		710	85	790	1000	280	1300	355	35	M24	1220	1118	355	40	1940	2635	1110	95	170	164	86	140	25	100	9S/90	9S/80	
355D	6P & 8P	2	710	85	790	1000	280	1300	355	35	M24	1220	1118	355	40	1510	2285	760	85	170	164	76	140	22	90	9S/80	9S/80	355D
355E	2P	1	710	85	790	1120	280	1420	355	35	M24	1220	1118	355	40	1940	2755	1110	85	170	164	76	140	22	90	9S/80	9S/80	355E
	4P		710	85	790	1120	280	1420	355	35	M24	1220	1118	355	40	1940	2755	1110	95	170	164	86	140	25	100	9S/90	9S/80	
400B	6P & 8P	2	800	95	900	900	355	1260	400	42	M30	1320	1168	400	40	1710	2300	790	110	210	200	100	160	28	116	11/110	9/80	400B
400C	4P	1	800	95	900	1000	355	1360	400	42	M30	1320	1168	400	40	2140	2750	1140	110	210	200	100	160	28	116	11/110	9/80	400C
	6P & 8P	2	800	95	900	1000	355	1360	400	42	M30	1320	1168	400	40	1710	2400	790	110	210	200	100	160	28	116	11/110	9/80	
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	1	800	95	900	1120	355	1480	400	42	M30	1320	1168	400	40	2140	2870	1140	110	210	200	100	160	28	116	11/110	9/80	
400E	6P & 8P	2	800	95	900	1120	355	1480	400	42	M30	1320	1168	400	40	1710	2520	790	110	210	200	100	160	28	116	11/110	9/80	400E
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

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \pm 0.05$ .
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#355:450, 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)355C-630E

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

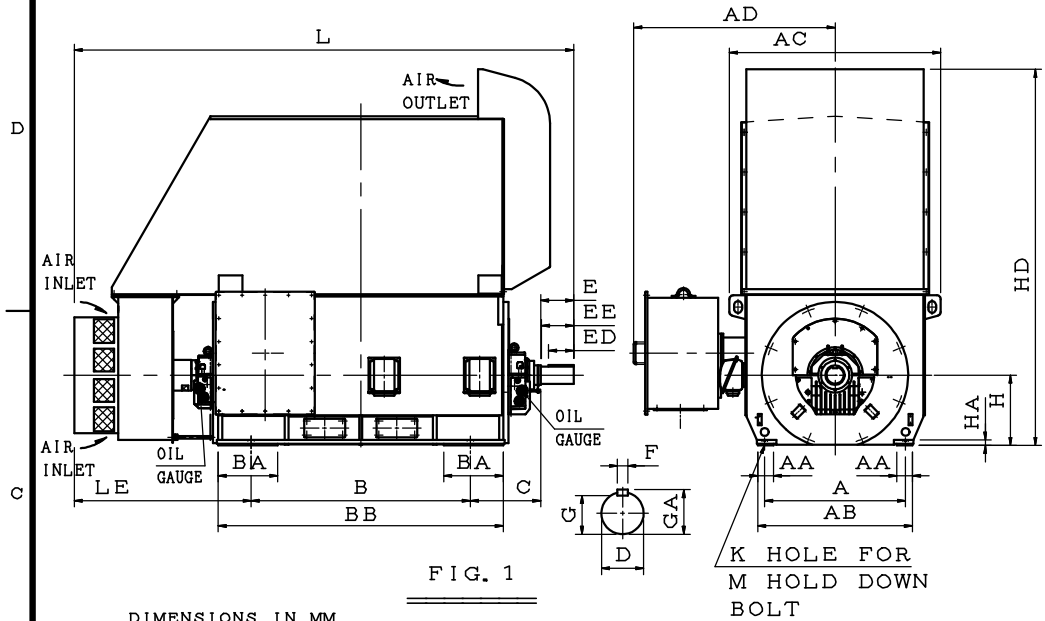


FIG. 1

K HOLE FOR  
M HOLD DOWN  
BOLT

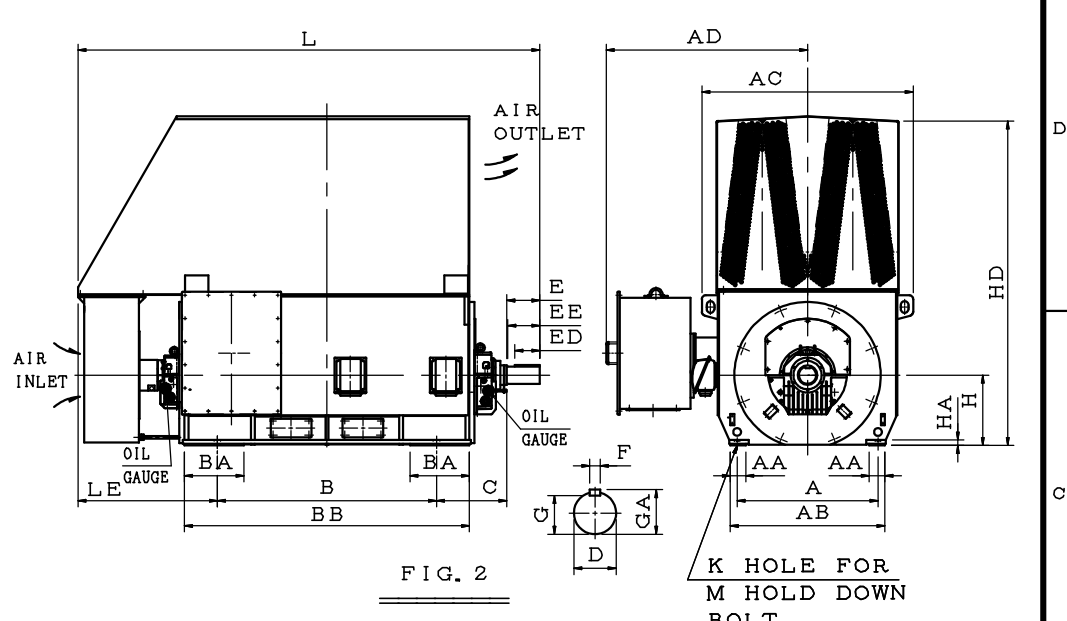


FIG. 2

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	
450B	4P	1	900	100	990	1000	380	1420	450	42	M30	1460	1243	450	40	2480	2880	1220	125	210	204	114	160	32	132	11/125	11/110	450B
	6P&8P	2	900	100	990	1000	380	1420	450	42	M30	1460	1243	450	40	1980	2480	820	125	210	204	114	160	32	132	11/125	11/110	450B
450C	4P	1	900	100	990	1120	380	1540	450	42	M30	1460	1243	450	40	2480	3000	1220	125	210	204	114	160	32	132	11/125	11/110	450C
	6P&8P	2	900	100	990	1120	380	1540	450	42	M30	1460	1243	450	40	1980	2600	820	125	210	204	114	160	32	132	11/125	11/110	450C
450D	4P	1	900	100	990	1250	380	1670	450	42	M30	1460	1243	450	40	2480	3130	1220	125	210	204	114	160	32	132	11/125	11/110	450D
	6P&8P	2	900	100	990	1250	380	1670	450	42	M30	1460	1243	450	40	1980	2730	820	125	210	204	114	160	32	132	11/125	11/110	450D
500B	6P	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
560B	6P&8P	2	1180	140	1280	1250	430	1700	530	55	M42	1760	1388	560	53	2410	3050	970	160	300	294	147	250	40	169	14/160	11/125	560B
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	6P&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
630C	8P	2	1250	160	1400	1600	480	2100	560	55	M42	1900	1513	630	58	2838	3505	995	200	350	337	185	280	45	210	18/200	18/180	630C
630D	8P	2	1250	160	1400	1800	480	2300	560	55	M42	1900	1513	630	58	2838	3705	995	200	350	337	185	280	45	210	18/200	18/180	630D
630E	8P	2	1250	160	1400	2000	480	2500	560	55	M42	1900	1513	630	58	2838	3905	995	200	350	337	185	280	45	210	18/200	18/180	630E

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = H_{11}$ .
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#355:450, 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)355C-630E

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

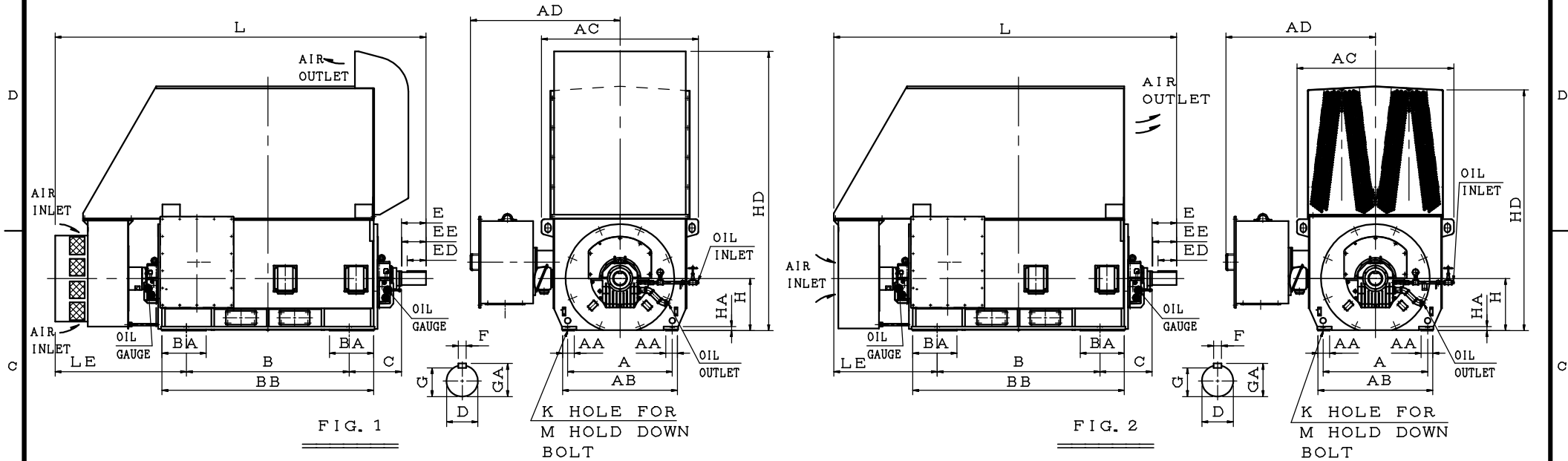


FIG. 1

K HOLE FOR  
M HOLD DOWN  
BOLT

FIG. 2

K HOLE FOR  
M HOLD DOWN  
BOLT

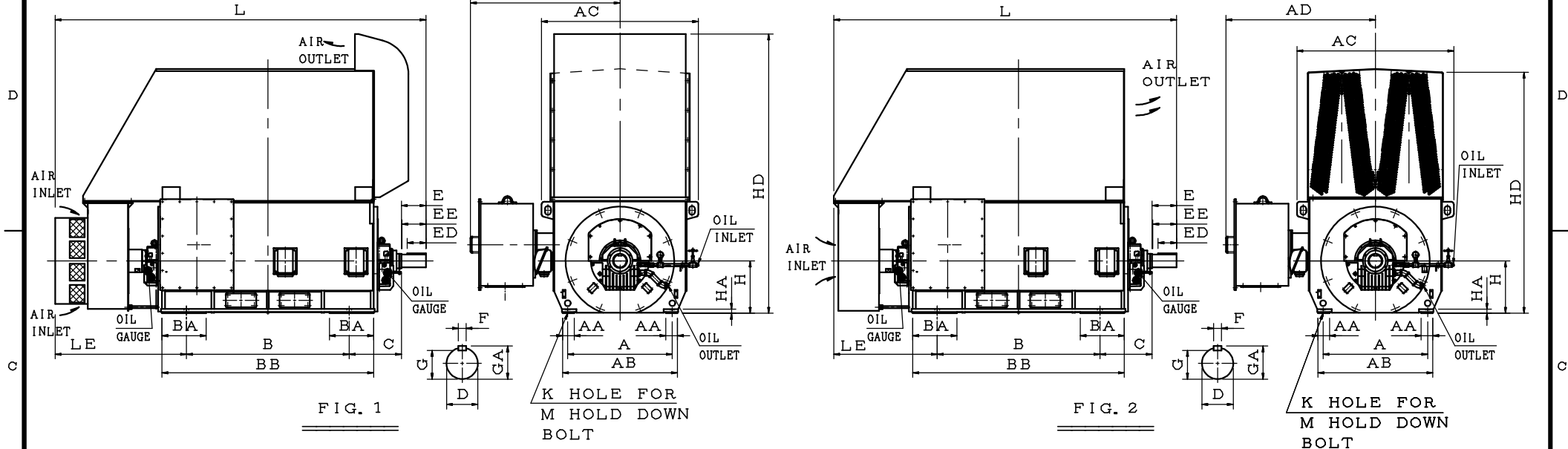
DIMENSIONS IN MM

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		
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	
500B	4P	1	1000	140	1150	1120	405	1570	500	48	M36	1620	1318	500	40	2690	3170	1300	140	250	244	128	200	36	148	14/140	11/125	500B	
500C	4P	1	1000	140	1150	1250	405	1700	500	48	M36	1620	1318	500	40	2690	3300	1300	140	250	244	128	200	36	148	14/140	11/125	500C	
500D	4P	1	1000	140	1150	1400	405	1850	500	48	M36	1620	1318	500	40	2690	3450	1300	140	250	244	128	200	36	148	14/140	11/125	500D	
560C	4P	1	1180	140	1280	1400	430	1850	530	55	M42	1760	1388	560	53	2910	3600	1370	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	3800	1370	160	300	294	147	250	40	169	14/160	11/125	560D	
630C	4P	1	1250	160	1400	1600	480	2100	560	55	M42	1900	1513	630	58	3373	3935	1425	200	350	337	185	280	45	210	18/200	18/180	630C	
	6P	2	1250	160	1400	1600	480	2100	560	55	M42	1900	1513	630	58	2838	3505	995	200	350	337	185	280	45	210	18/200	18/180		
630D	4P	1	1250	160	1400	1800	480	2300	560	55	M42	1900	1513	630	58	3373	4135	1425	200	350	337	185	280	45	210	18/200	18/180	630D	
	6P	2	1250	160	1400	1800	480	2300	560	55	M42	1900	1513	630	58	2838	3705	995	200	350	337	185	280	45	210	18/200	18/180		
630E	4P	1	1250	160	1400	2000	480	2500	560	55	M42	1900	1513	630	58	3373	4335	1425	200	350	337	185	280	45	210	18/200	18/180	630E	
	6P	2	1250	160	1400	2000	480	2500	560	55	M42	1900	1513	630	58	2838	3905	995	200	350	337	185	280	45	210	18/200	18/180		

1. TOLERANCE OF SHAFT EXTENSION DIAMETER  $D = m6$ .
2. TOLERANCE OF SHAFT CENTER HEIGHT  $H = \frac{H}{10}$  FOR  $F \frac{H}{630}$  & BELOW,  $H = \frac{H}{5}$ , FOR  $F \frac{H}{710}$  & 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  $F \frac{H}{400} : 500$ ,  $F \frac{H}{450} : 530$ ,  $F \frac{H}{500} : 600$ ,  $F \frac{H}{560} : 630$ ,  $F \frac{H}{630} : 670$ ,  $F \frac{H}{710} : 710$ ,  $F \frac{H}{800} : 750$ ,  $F \frac{H}{900} : 800$ .

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)400D-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				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	
710C	4P	1	1400	180	1570	1800	520	2350	600	55	M42	2240	1683	710	50	3633	4270	1520	220	350	337	203	280	50	231	18/225	18/200	710C
	6P/8P	2	1400	180	1570	1800	520	2350	600	55	M42	2240	1683	710	50	3103	3770	1020	220	350	337	203	280	50	231	18/225	18/200	
710D	4P	1	1400	180	1570	2000	520	2550	600	55	M42	2240	1683	710	50	3633	4470	1520	220	350	337	203	280	50	231	18/225	18/200	710D
	6P/8P	2	1400	180	1570	2000	520	2550	600	55	M42	2240	1683	710	50	3103	3970	1020	220	350	337	203	280	50	231	18/225	18/200	
710E	4P	1	1400	180	1570	2240	520	2700	600	55	M42	2240	1683	710	50	3633	4665	1475	220	350	337	203	280	50	231	18/225	18/200	710E
	6P/8P	2	1400	180	1570	2240	520	2700	600	55	M42	2240	1683	710	50	3103	4165	975	220	350	337	203	280	50	231	18/225	18/200	
800B	8P	2	1700	220	1900	1800	600	2360	630	55	M42	2421	1795	800	65	3193	4015	1175	240	410	397	220	360	56	252	22/250	22/225	800B
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#710 & 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#400:500, 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)400D-900D

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

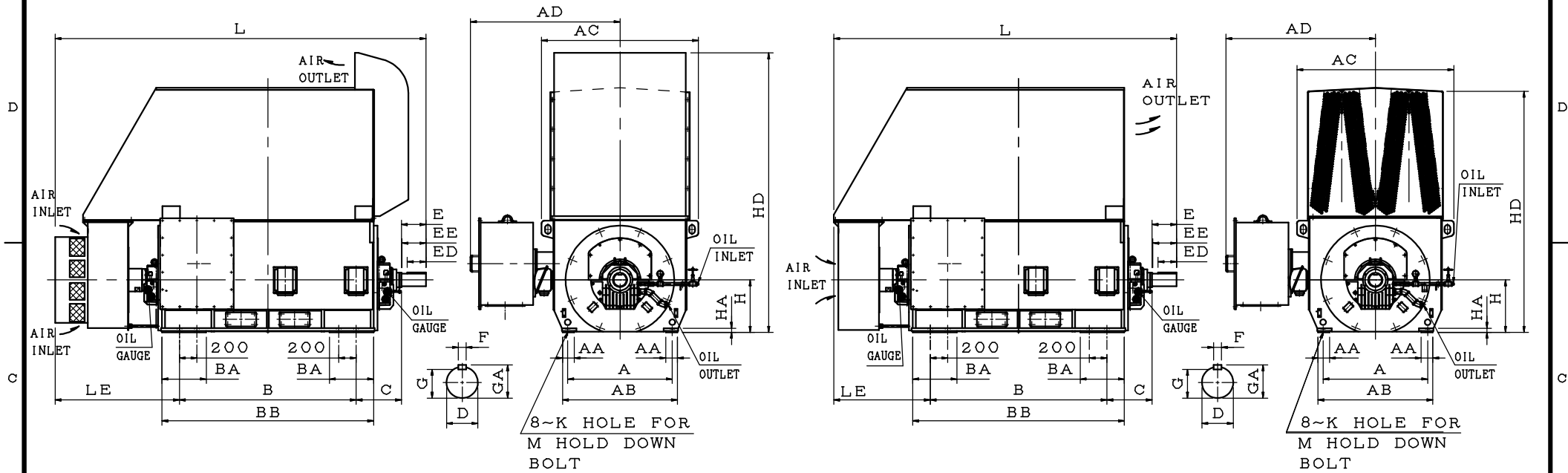


FIG. 1

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	4P	1	1800	220	1995	2000	600	2600	670	55	M42	2619	1894	900	65	4027	4725	1645	240	410	397	220	360	56	252	22/250	22/225	900B
	6P&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	
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  $H = \pm 0.02$  FOR  $F \pm 630$  & BELOW,  $H = \pm 0.03$  FOR  $F \pm 710$  & 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  $F \pm 400:500$ ,  $F \pm 450:530$ ,  $F \pm 500:600$ ,  $F \pm 560:630$ ,  $F \pm 630:670$ ,  $F \pm 710:710$ ,  $F \pm 800:750$ ,  $F \pm 900:800$ .

OUTLINE DIMENSIONS SHEET  
3-PHASE INDUCTION MOTOR  
FRAME NO. (EZ)400D-900D