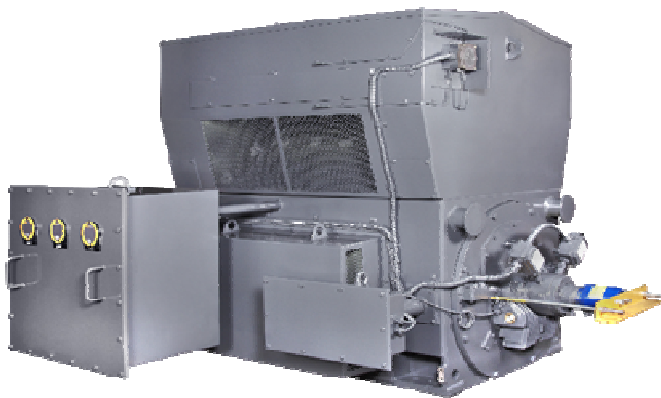
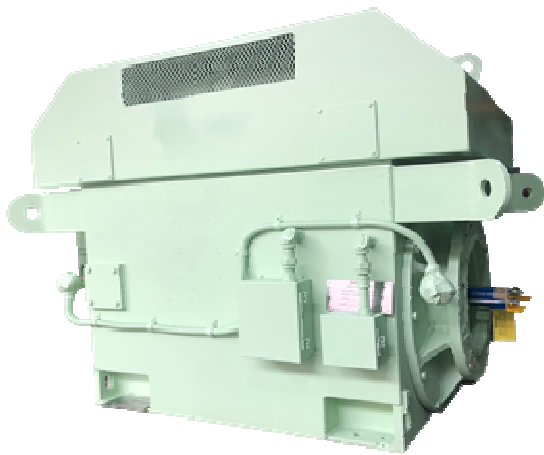


半密型ODP, WPI, WPPI及水冷式馬達

MODEL : ASZK, AMZK, ANZK, AEZW

STANDARD 3-PHASE INDUCTION MOTORS
HIGH VOLTAGE (11000V/50Hz) SQUIRREL CAGE
FRAME NO. (SZ) & (EZ) 400D ~ 900D



DWG NO.

3A057H512E

REV. 07

		SPECIFICATION TABLE STANDARD 3-PHASE INDUCTION MOTORS HIGH VOLTAGE SQUIRREL CAGE		MODEL	
				ASZK,AMZK,ANZK,AEZW	
				11000V	
				50Hz	
ITEM			STANDARD SPECIFICATION		
R A T I N G	KIND OF MOTOR		SQUIRREL-CAGE INDUCTION MOTOR (SCIM)		
	DESIGN STANDARD		IEC		
	VOLTAGE		11000V		
	FREQUENCY		50Hz		
	FRAME NO. (SZ & EZ)		400D ~ 900D		
	OUTPUT RANGE		500 ~ 16000HP (375 ~ 11950kW) 50Hz		
	R.P.M. (SYN.)		3000 ~ 750R.P.M. (2 ~ 8 POLE) 50Hz		
	TIME DUTY		CONTINUOUS, S.F. 1.0 (S1, MCR)		
	PROTECTION ENCLOSURE		IP23: ASZK (DRIP PROOF), AMZK (WP I) IP24: ANZK (WP II); IP54: AEZW (TEWAC)		
	COOLING METHOD		ASZK,AMZK,ANZK: SELF VENTILATED, INTERIOR COOLING (IC 01) AEZW: SELF VENTILATED, AIR / WATER COOLER (IC81W)		
	MOUNTING		HORIZONTAL FOOT MOUNTING (IM 1001, F-1)		
A P P L I C A T I O N	POWER CONDITIONS		VOLTAGE ±10%, FREQUENCY ±5% AND 10% MAX. OF COMBINED VOLTAGE AND FREQUENCY WITH FREQUENCY NOT TO EXCEED 5%		
	ENVIRONMENT CONDITIONS		DP, WP I : INDOOR; WP II, TEWAC : OUTDOOR, NON-HAZARDOUS AMBIENT TEMPERATURE : -18 ~ 40°C (OIL SUMP HEATER IS NOT TECO'S SCOPE) WATER INLET TEMPERATURE : 5~30°C , (DERATING IS REQUIRED FOR TEPERATURE HIGHTER THAN 30 °C) 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. 3A057H515E 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		

ITEM		STANDARD SPECIFICATION
APPLICATION	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
PERFORMANCE	TEST PROCEDURE	IEC 60034, IEEE 112
	TYPICAL PERFORMANCE	AS DWG NO. 3A057H515E, VALUES IN TABLE IS NOMINAL NEMA DESIGN B
	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 ± 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 μ 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 μ 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

		PERFORMANCE DATA														MODEL			
		3-PHASE SQUIRREL CAGE INDUCTION MOTORS														ASZK,AMZK,ANZK,AEZW			
		HIGH VOLTAGE SQUIRREL CAGE														11000V 50Hz			
ODP,WPI,WPII,BS,DESIGN-B,CLASS F INS,CLASS B TEMP,40°C AMBIENT,S.F.1.0																			
2P 11000V 50Hz																			
TYPICAL PERFORMANCE																			
OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT (1)	APPROX. WEIGHT (2)
HP	(kW)	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Rated	Starting	Max.	GD ²	GD ²	KGS	KGS
		RPM	(SZ) (EZ)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	KG-M	%FLT				
900	670	2980	400E-85U	94.7	94.6	94.0	87.4	85.2	79.4	43	570	243	220	60	220	34	138	3550	4000
1000	750	2979	400E-85U	94.7	94.6	94.0	87.1	85.2	79.6	47	537	255	244	60	200	34	150	3550	4000
1250	930	2977	400E-85U	95.0	94.9	94.3	87.9	86.5	81.9	59	522	306	306	60	200	37	177	3700	4150
1500	1120	2977	450D-95U	95.0	94.9	94.3	86.6	85.4	80.6	71	470	336	367	50	200	49	203	4300	4900
1750	1320	2978	450D-95U	95.0	94.9	94.3	87.1	85.7	80.8	83	490	406	428	60	200	52	225	4400	5000
2000	1500	2977	450D-95U	95.2	95.1	94.5	87.1	86.0	81.2	94	487	460	489	60	200	55	246	4550	5150
2250	1680	2977	450E-95U	95.5	95.4	94.8	88.7	88.0	84.4	104	494	514	550	60	200	61	265	4950	5550
2500	1850	2977	450E-95U	95.8	95.7	95.1	89.4	88.8	85.6	114	508	581	611	60	210	67	282	5150	5750
3000	2240	2982	500E-110V	95.9	95.8	95.2	89.6	87.9	82.9	137	648	886	732	90	240	99	309	6450	7050
3500	2650	2982	500E-110V	96.1	96.0	95.4	90.9	89.6	85.6	157	659	1034	854	90	240	113	332	7050	7650
4000	3000	2983	500E-110V	96.2	96.1	95.5	90.9	89.2	84.6	179	719	1288	976	100	250	123	349	7350	7950
4500	3360	2986	560E-125V	96.3	96.2	95.6	89.7	88.9	85.5	204	560	1142	1097	60	200	162	361	8750	9450
5000	3750	2985	560E-125V	96.4	96.3	95.7	90.1	89.6	86.8	225	541	1219	1219	60	220	170	368	9150	9850
5500	4100	2985	560E-125V	96.4	96.3	95.7	90.2	90.0	87.6	248	527	1305	1341	60	210	177	371	9300	10000
6000	4500	2989	630D-140V	96.9	96.8	96.2	90.5	88.9	84.2	268	724	1940	1461	80	250	254	368	12400	13100
6500	4850	2989	630D-140V	96.9	96.8	96.2	90.9	89.4	85.2	289	712	2057	1582	80	250	267	363	12750	13450
7000	5200	2989	630D-140V	97.0	96.9	96.3	91.0	89.5	85.4	311	718	2230	1704	80	250	277	354	13000	13700
7500	5600	2989	630E-140V	97.1	97.0	96.4	91.2	89.8	85.7	332	729	2418	1826	80	250	290	340	13550	14250
8000	6000	2989	630E-140V	97.1	97.0	96.4	91.5	90.3	86.4	353	736	2595	1947	80	250	309	324	14000	14700
9000	6700	2989	630E-140V	97.2	97.1	96.5	91.5	90.0	85.7	396	798	3162	2191	90	250	336	280	14800	15500
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. Approx. weight (1) : ASZK,AMZK,ANZK																			
5. Approx. weight (2) : AEZW																			
6. This performance data is only for sinewave, not suitable for PWM power source.																			
7. The voltage and frequency combinations not included in performance data are quoted case by case.																			

ODP,WPI,WPII,BS,DESIGN-B,CLASS F INS,CLASS B TEMP,40°C AMBIENT,S.F.1.0

4P 11000V 50Hz

TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT (1)	APPROX. WEIGHT (2)
HP	(kW)	LOAD	NO. (SZ)	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	Rated	Starting	Starting	Rated	Starting	Max.	GD ²	GD ²		
		RPM	(EZ)	%	%	%	%	%	%	A	%	A	KG-M	%FLT	%FLT	KG-M ²	KG-M ²	KGS	KGS
500	375	1488	400D-95R	94.4	94.3	93.4	82.8	78.8	69.7	25	609	153	244	50	230	57	763	3100	3550
600	450	1490	400D-95R	94.7	94.6	93.7	84.2	80.4	71.6	30	626	185	293	60	230	62	892	3200	3650
700	520	1490	400D-95R	94.8	94.7	93.8	83.0	78.8	69.2	35	638	221	342	60	240	62	1020	3200	3650
800	600	1490	400D-95R	94.9	94.8	93.9	82.8	78.4	68.6	40	649	260	391	60	240	66	1145	3300	3750
900	670	1488	450B-110R	94.8	94.7	93.8	84.5	80.3	70.8	44	657	288	440	70	250	91	1270	3900	4500
1000	750	1487	450C-125R	94.8	94.7	93.8	86.5	83.5	75.9	48	613	294	489	60	230	98	1391	4150	4750
1250	930	1487	450C-125R	95.0	94.9	94.0	86.9	84.2	77.1	59	601	355	612	60	230	110	1677	4400	5000
1500	1120	1487	450D-125R	95.3	95.2	94.3	86.3	83.1	75.3	71	638	456	734	70	240	117	1947	4650	5250
1750	1320	1487	450D-125R	95.4	95.3	94.4	87.3	84.9	78.3	83	603	502	856	70	220	129	2203	4850	5450
2000	1500	1489	500C-140R	95.7	95.6	94.7	87.4	84.9	78.5	94	626	589	977	60	240	220	2439	6200	6800
2250	1680	1490	500C-140R	95.8	95.7	94.8	87.3	84.5	77.6	105	667	703	1099	70	250	220	2666	6250	6850
2500	1850	1489	500D-140R	95.9	95.8	94.9	86.2	83.3	76.0	117	628	738	1222	60	240	236	2892	6450	7050
3000	2240	1489	500D-140R	96.2	96.1	95.2	87.8	85.5	79.3	139	651	906	1466	70	240	253	3306	6900	7500
3500	2650	1491	560D-160V	96.2	96.1	95.2	85.3	82.4	75.0	169	605	1025	1708	60	230	365	3672	8800	9500
4000	3000	1491	630C-180V	96.5	96.4	95.5	88.3	86.7	81.8	185	570	1053	1952	50	220	609	4017	9900	10600
4500	3360	1491	630C-180V	96.6	96.5	95.6	88.0	86.2	80.8	207	581	1205	2196	50	220	635	4333	10150	10850
5000	3750	1491	630D-180V	96.6	96.5	95.6	88.3	86.5	81.3	231	591	1364	2440	50	220	698	4621	10900	11600
5500	4100	1491	630D-180V	96.6	96.5	95.6	88.4	86.8	81.9	252	575	1449	2684	50	220	724	4883	11150	11850
6000	4500	1491	630D-180V	96.6	96.5	95.6	88.3	86.9	82.1	277	566	1567	2928	50	210	750	5120	11350	12050
6500	4850	1491	630D-180V	96.7	96.6	95.7	88.6	87.3	82.9	297	560	1664	3172	50	210	791	5334	11750	12450
7000	5200	1491	630E-200V	96.8	96.7	95.8	89.1	88.2	84.5	316	550	1740	3416	50	200	843	5525	12550	13250
7500	5600	1491	630E-200V	96.9	96.8	95.9	88.9	87.6	83.4	341	571	1948	3660	50	210	869	5695	12800	13500
8000	6000	1490	630E-200V	96.9	96.8	95.9	89.3	88.5	85.1	364	545	1983	3907	50	200	921	5856	13300	14000
9000	6700	1491	710D-220V	96.8	96.7	95.8	91.9	91.0	87.9	395	624	2467	4392	50	250	1431	6084	18700	19400
10000	7500	1490	710E-220V	96.8	96.7	95.8	92.4	91.6	88.7	440	628	2764	4883	50	250	1511	6262	20300	21000
11000	8200	1490	710E-220V	96.9	96.8	95.9	92.6	91.9	89.3	480	627	3007	5372	50	250	1631	6357	21200	21900
12000	8950	1490	800D-220V	96.8	96.7	95.8	91.2	90.2	86.8	532	622	3310	5860	60	240	2008	6385	26400	26600
13000	9700	1491	800D-220V	96.9	96.8	95.9	91.3	90.2	86.6	575	656	3775	6344	60	250	2182	6404	27300	27500
14000	10450	1492	900B-240V	96.8	96.7	95.8	92.3	91.5	88.6	614	648	3978	6827	60	250	2988	6591	29400	29600
15000	11200	1492	900C-240V	96.8	96.7	95.8	92.5	91.8	89.1	657	649	4261	7315	60	250	3166	6634	31100	31300
16000	11950	1492	900C-240V	96.9	96.8	95.9	92.5	91.6	88.7	700	674	4716	7803	60	250	3256	6722	31600	31800

- 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. Approx. weight (1) : ASZK,AMZK,ANZK
 5. Approx. weight (2) : AEZW
 6. This performance data is only for sinepower, not suitable for PWM power souce.
 7. The voltage and frequency combinations not included in performance data are quoted case by case.

ODP,WPI,WPII,BS,DESIGN-B,CLASS F INS,CLASS B TEMP,40°C AMBIENT,S.F.1.0

6P 11000V 50Hz

TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT (1)	APPROX. WEIGHT (2)
HP	(kW)	LOAD	NO. (SZ)	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	Rated	Starting	Starting	Rated	Starting	Max.	GD ²	GD ²	KGS	KGS
		RPM	(EZ)	%	%	%	%	%	%	A	%	A	KG-M	%FLT	%FLT	KG-M ²	KG-M ²		
500	375	989	450B-110R	93.1	93.0	91.9	82.2	77.6	67.5	26	563	145	368	60	220	122	2367	3700	4350
600	450	989	450B-110R	93.2	93.1	92.0	83.0	79.1	69.9	31	537	164	441	60	200	130	2787	3800	4450
700	520	988	450C-125R	93.4	93.3	92.2	84.2	81.3	73.4	35	511	177	516	60	210	146	3204	4150	4800
800	600	989	450C-125R	94.0	93.9	92.8	83.0	78.7	69.0	40	605	244	589	80	230	157	3913	4300	4950
900	670	990	450D-125R	94.2	94.1	93.0	82.8	78.3	68.3	45	634	286	661	80	240	174	4329	4700	5350
1000	750	990	500B-140R	94.2	94.1	93.0	82.6	78.8	69.8	51	539	273	735	60	210	258	4361	5450	6100
1250	930	990	500B-140R	94.4	94.3	93.2	81.3	76.9	67.1	64	551	350	919	60	220	271	5289	5650	6300
1500	1120	990	500C-140R	94.8	94.7	93.6	82.6	78.7	69.7	75	557	418	1102	70	220	315	6178	6250	6900
1750	1320	989	500D-140R	94.8	94.7	93.6	83.3	80.0	71.9	88	531	466	1287	60	200	343	7051	6700	7350
2000	1500	991	560C-160R	95.1	95.0	93.9	85.8	82.8	75.4	96	595	574	1468	70	220	521	7838	8050	8800
2250	1680	990	560D-160R	95.1	95.0	93.9	85.8	83.3	76.4	108	544	588	1654	60	200	523	8654	8300	9050
2500	1850	990	560D-160R	95.3	95.2	94.1	86.5	84.4	78.3	118	545	642	1837	60	200	568	9424	8600	9350
3000	2240	994	630C-180R	96.1	96.0	94.9	82.9	80.7	73.7	148	530	782	2196	60	190	712	10780	9050	9800
3500	2650	994	630C-180R	96.2	96.1	95.0	83.5	81.8	75.5	173	527	913	2562	60	190	809	12146	9650	10400
4000	3000	994	630D-180R	96.4	96.3	95.2	83.3	80.9	73.8	196	571	1120	2928	70	200	900	13432	10500	11250
4500	3360	994	630D-180R	96.5	96.4	95.3	83.5	81.2	74.2	219	574	1256	3294	70	200	984	14647	11100	11850
5000	3750	994	630E-200R	96.5	96.4	95.3	83.7	81.3	74.3	244	593	1445	3660	80	210	1088	17186	12050	12800
5500	4100	994	630E-200R	96.6	96.5	95.4	84.0	82.0	75.4	265	586	1554	4026	80	200	1184	18365	12650	13400
6000	4500	994	630E-200R	96.7	96.6	95.5	83.6	81.2	74.0	292	609	1779	4392	80	210	1256	19478	13150	13900
6500	4850	994	710D-220R	96.6	96.5	95.4	85.9	84.0	78.1	307	609	1868	4758	60	220	1837	18864	17650	18400
7000	5200	994	710E-220R	96.7	96.6	95.5	86.1	84.6	79.2	328	590	1934	5124	60	210	1935	19775	20350	21100
7500	5600	995	710E-220R	96.8	96.7	95.6	86.0	84.1	78.2	353	627	2214	5484	70	200	2092	20577	21050	21900
8000	6000	994	800D-240V	96.7	96.6	95.5	85.9	83.1	75.8	379	640	2426	5856	60	230	2478	21443	25700	25900
9000	6700	994	800D-240V	96.8	96.7	95.6	86.4	83.8	76.9	420	644	2708	6588	60	230	2765	22918	26600	26800
10000	7500	995	900B-260V	96.8	96.7	95.6	87.6	85.5	79.5	464	625	2901	7313	50	220	3723	24142	28200	28400
11000	8200	995	900C-260V	96.9	96.8	95.7	87.7	85.8	80.1	506	615	3115	8044	50	220	3941	25261	29800	30000
12000	8950	995	900C-260V	96.9	96.8	95.7	87.9	86.0	80.5	552	619	3414	8775	50	220	4191	26220	30500	30700
13000	9700	995	900D-260V	96.9	96.8	95.7	88.2	86.4	81.2	596	618	3681	9506	50	220	4526	27025	32500	32700
14000	10450	995	900D-260V	96.9	96.8	95.7	88.2	86.0	80.1	642	675	4332	10238	60	230	5020	27685	33700	33900

- 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. Approx. weight (1) : ASZK,AMZK,ANZK
 5. Approx. weight (2) : AEZW
 6. This performance data is only for sinepower, not suitable for PWM power souce.
 7. The voltage and frequency combinations not included in performance data are quoted case by case.

ODP,WPI,WPII,BS,DESIGN-B,CLASS F INS,CLASS B TEMP,40°C AMBIENT,S.F.1.0

8P 11000V 50Hz

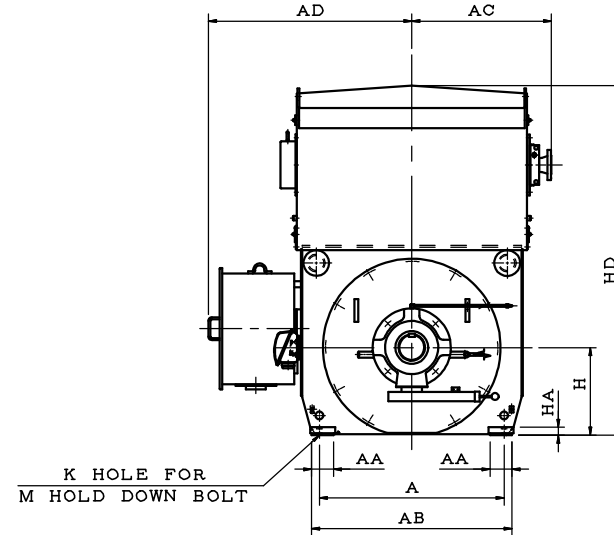
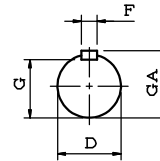
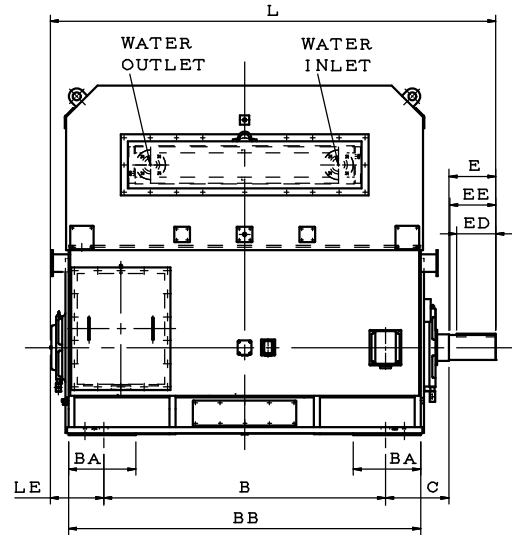
TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT (1)	APPROX. WEIGHT (2)
HP	(kW)	LOAD	NO. (SZ)	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	Rated	Starting	Starting	Rated	Starting	Max.	GD ²	GD ²	KGS	KGS
		RPM	(EZ)	%	%	%	%	%	%	A	%	A	KG-M	%FLT	%FLT	KG-M ²	KG-M ²		
500	375	742	450D-125R	93.5	93.4	92.2	76.4	71.3	60.3	28	564	155	490	100	210	221	5633	4400	5050
600	450	742	450D-125R	93.5	93.4	92.2	75.2	69.7	58.3	34	573	192	588	100	220	233	6643	4700	5350
700	520	742	500B-140R	93.2	93.1	91.9	81.1	76.5	66.3	36	596	215	686	100	210	278	7631	5300	5950
800	600	742	500B-140R	93.8	93.7	92.5	81.2	76.7	66.7	41	596	246	784	100	210	292	8600	5400	6050
900	670	742	500C-140R	93.8	93.7	92.5	81.1	76.8	66.9	46	583	270	883	100	210	308	9551	5850	6500
1000	750	741	500C-140R	94.1	94.0	92.8	82.1	78.2	69.0	51	586	299	982	100	210	340	10522	6100	6750
1250	930	742	500D-140R	94.4	94.3	93.1	81.6	77.3	67.5	63	615	390	1226	110	220	389	12761	6700	7350
1500	1120	743	560D-160R	94.8	94.7	93.5	81.9	78.5	69.9	76	550	416	1469	60	200	676	12669	8350	9100
1750	1320	743	560D-160R	94.8	94.7	93.5	82.1	78.8	70.5	89	551	490	1714	60	200	734	14467	8700	9450
2000	1500	744	630C-180R	95.5	95.4	94.2	81.1	78.0	69.5	102	515	524	1956	50	200	919	16157	8850	9600
2250	1680	744	630C-180R	95.6	95.5	94.3	80.9	77.4	68.6	114	535	610	2200	50	210	1005	17846	9200	9950
2500	1850	744	630C-180R	95.9	95.8	94.6	80.7	77.3	68.6	125	531	666	2445	50	210	1047	19489	9450	10200
3000	2240	744	630D-180R	96.1	96.0	94.8	81.5	78.5	70.4	150	529	794	2934	50	200	1209	22650	10450	11200
3500	2650	745	630E-200R	96.2	96.1	94.9	81.8	78.6	70.3	177	557	985	3418	60	210	1414	25570	11750	12500
4000	3000	745	630E-200R	96.3	96.2	95.0	81.9	79.0	71.1	200	546	1090	3907	60	210	1540	28431	12350	13100
4500	3360	745	630E-200R	96.4	96.3	95.1	81.8	78.7	70.6	224	558	1248	4395	60	210	1676	31165	13000	13750
5000	3750	744	710D-220R	96.1	96.0	94.8	85.0	82.1	74.6	241	606	1460	4890	60	220	2318	33899	18650	19310
5500	4100	745	710E-220R	96.2	96.1	94.9	85.5	82.6	75.1	262	629	1646	5372	70	230	2634	36287	18850	20050
6000	4500	744	800B-240V	96.5	96.4	95.2	83.0	79.6	71.1	295	558	1645	5868	60	210	2512	38826	21600	21800
6500	4850	744	800C-240V	96.6	96.5	95.3	83.8	81.1	73.6	314	529	1664	6357	50	220	2660	41138	22900	23100
7000	5200	744	800D-240V	96.6	96.5	95.3	84.2	81.7	74.4	336	534	1792	6846	50	200	2903	43356	24500	24700
7500	5600	744	800D-240V	96.6	96.5	95.3	84.6	82.4	75.7	360	517	1859	7335	50	210	3054	45483	24900	25100
8000	6000	745	900B-260V	96.5	96.4	95.2	84.2	81.9	75.2	388	551	2136	7813	50	210	4060	47352	26800	27000
9000	6700	745	900C-260V	96.6	96.5	95.3	83.7	80.5	72.5	435	621	2701	8790	60	210	4705	51170	29400	29600
10000	7500	745	900D-260V	96.7	96.6	95.4	83.9	80.8	72.8	485	632	3066	9766	60	210	5228	54677	31600	31800
11000	8200	745	900D-260V	96.7	96.6	95.4	84.1	81.1	73.5	529	620	3281	10743	60	210	5503	57892	32300	32500

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. Approx. weight (1) : ASZK,AMZK,ANZK
5. Approx. weight (2) : AEZW
6. This performance data is only for sinewave, not suitable for PWM power source.
7. The voltage and frequency combinations not included in performance data are quoted case by case.

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



DIMENSIONS IN MM

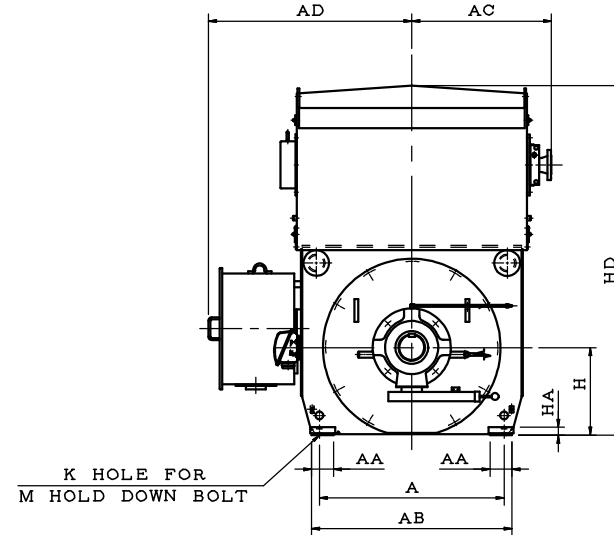
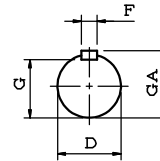
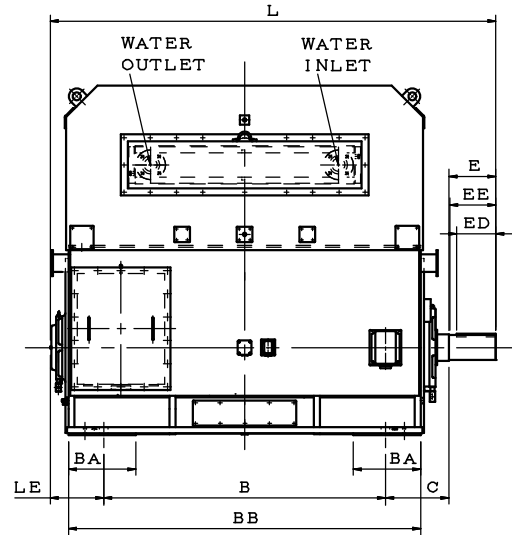
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
400D	4P	800	95	900	1120	355	1480	280	42	M30	LATER.	1086	400	40	1883	1853	283	95	170	162	86	140	25	100	6320	6320	400D
450B	4P, 6P	900	100	990	1000	380	1420	315	42	M30		1156	450	40	2003	1844	319	110	210	200	100	160	28	116	6324	6320	450B
450C	4P, 6P	900	100	990	1120	380	1540	315	42	M30		1156	450	40	2003	1964	319	125	210	202	114	160	32	132	6326	6322	450C
450D	4P, 6P, 8P	900	100	990	1250	380	1670	315	42	M30		1156	450	40	2003	2094	319	125	210	202	114	160	32	132	6326	6322	450D
500B	6P, 8P	1000	140	1150	1120	405	1570	335	48	M36		1226	500	40	2113	2043	338	140	250	240	128	200	36	148	6330	6326	500B
500C	4P, 6P, 8P	1000	140	1150	1250	405	1700	335	48	M36		1226	500	40	2113	2173	338	140	250	240	128	200	36	148	6330	6326	500C
500D	4P, 6P, 8P	1000	140	1150	1400	405	1850	335	48	M36		1226	500	40	2113	2323	338	140	250	240	128	200	36	148	6330	6326	500D
560C	6P	1180	140	1280	1400	430	1850	355	55	M42		1296	560	53	2233	2413	358	160	300	290	147	250	40	169	6334	6330	560C
560D	6P, 8P	1180	140	1280	1600	430	2050	355	55	M42		1296	560	53	2233	2613	358	160	300	290	147	250	40	169	6334	6330	560D

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)400D-710E

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



DIMENSIONS IN MM

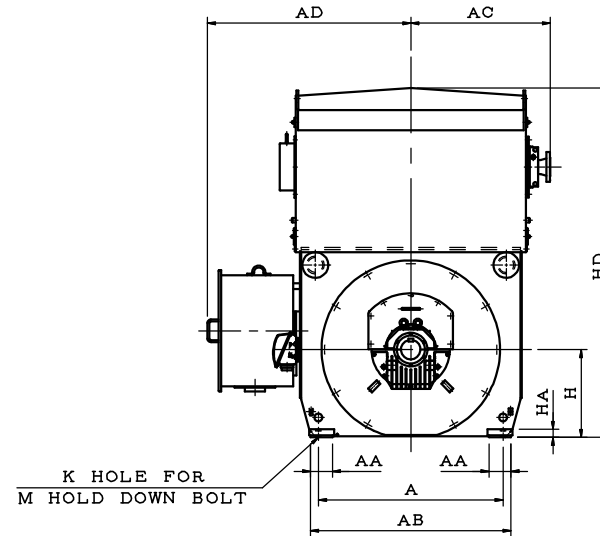
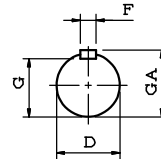
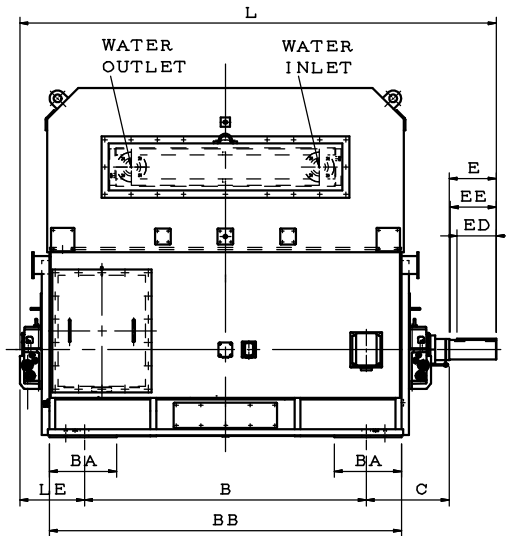
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
630C	6P, 8P	1250	160	1400	1600	480	2100	450	55	M42	LATER	1349	630	58	2408	2649	374	180	300	290	165	250	45	190	NU238	6338	630C
630D	6P, 8P	1250	160	1400	1800	480	2300	450	55	M42		1349	630	58	2408	2849	374	180	300	290	165	250	45	190	NU238	6338	630D
630E	6P, 8P	1250	160	1400	2000	480	2500	450	55	M42		1349	630	58	2408	3109	384	200	350	337	185	280	45	210	NU244 +6044	NU238	630E
710D	6P, 8P	1400	180	1570	2000	520	2550	475	55	M42		1499	710	50	2643	3215	390	220	350	337	203	280	50	231	NU248 +6048	NU244	710D
710E	6P, 8P	1400	180	1570	2240	520	2700	475	55	M42		1499	710	50	2643	3410	345	220	350	337	203	280	50	231	NU248 +6048	NU244	710E

1. TOLERANCE OF SHAFT EXTENSION DIAMETER $D = m6$.
2. TOLERANCE OF SHAFT CENTER HEIGHT $H = c_1$.
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)400D-710E

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



DIMENSIONS IN MM

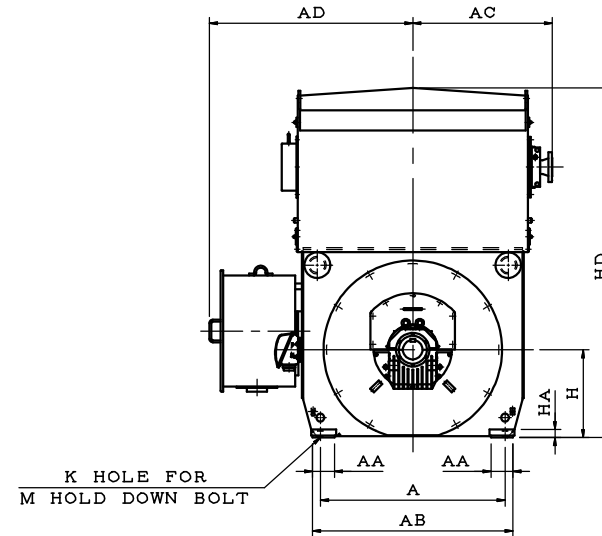
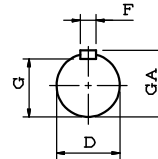
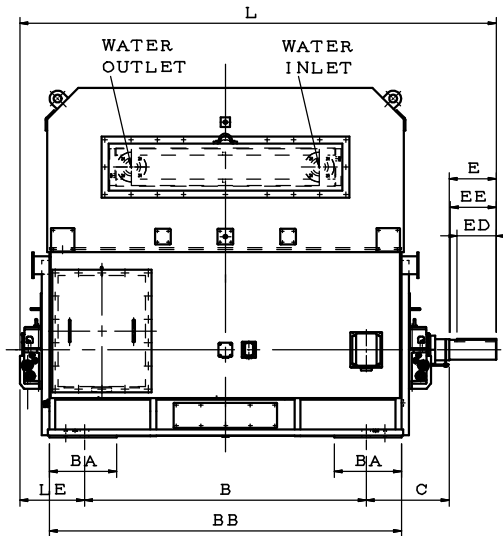
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
400D	4P	800	95	900	1120	355	1480	400	42	M30	LATER	1086	400	40	1883	2029	339	95	170	164	86	140	25	100	9S/ 90	9S/ 80	400D
400E	2P	800	95	900	1250	355	1610	400	42	M30		1089	400	40	1883	2172	352	85	170	164	76	140	22	90	9S/ 80	9S/ 80	400E
450B	4P	900	100	990	1000	380	1420	450	42	M30		1156	450	40	2003	2030	370	125	210	204	114	160	32	132	11/125	11/110	450B
	6P															2015	355	110	210	204	100	160	28	116	11/110	9 / 80	
450C	4P	900	100	990	1120	380	1540	450	42	M30		1156	450	40	2003	2150	370	125	210	204	114	160	32	132	11/125	11/110	450C
	6P															2135	355	110	210	204	100	160	28	116	11/110	9 / 80	
450D	2P	900	100	990	1250	380	1670	450	42	M30		1159	450	40	2003	2264	394	95	170	164	86	140	25	100	9S/ 90	9S/ 80	450D
	4P											1156				2280	370	125	210	204	114	160	32	132	11/125	11/110	
	6P, 8P											1156				2265	355	110	210	204	100	160	28	116	11/110	9 / 80	
450E	2P	900	100	990	1400	380	1820	450	42	M30		1159	450	40	2003	2414	394	95	170	164	86	140	25	100	9S/ 90	9S/ 80	450E
500B	6P, 8P	1000	140	1150	1120	405	1570	500	48	M36		1226	500	40	2113	2261	391	140	250	244	128	200	36	148	14/140	11/125	500B
500C	4P 6P, 8P	1000	140	1150	1250	405	1700	500	48	M36		1226	500	40	2113	2391	391	140	250	244	128	200	36	148	14/140	11/125	500C
500D	4P 6P, 8P	1000	140	1150	1400	405	1850	500	48	M36		1226	500	40	2113	2541	391	140	250	244	128	200	36	148	14/140	11/125	500D

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 F400:500, F450:530, F500:600, F560:630, F630:670, F710:710.

OUTLINE DIMENSIONS SHEET

3-PHASE INDUCTION MOTOR
FRAME NO. (EZ)400D-710E

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

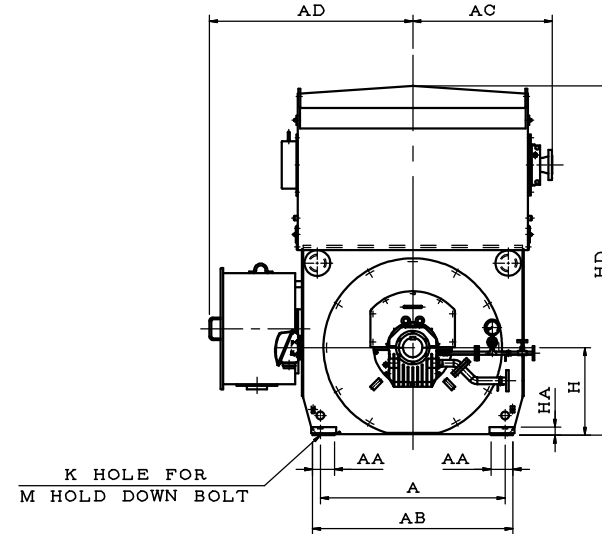
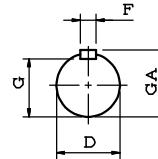
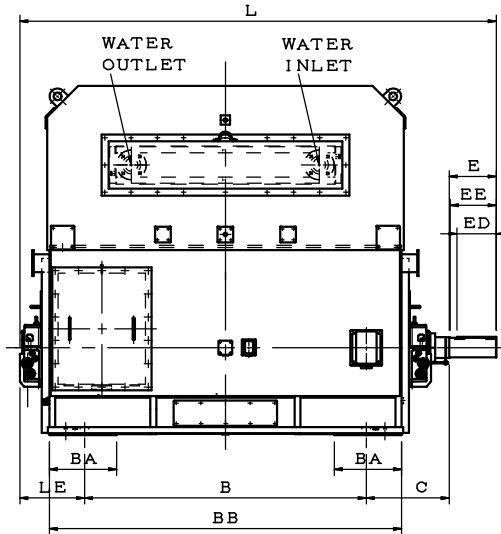


DIMENSIONS IN MM																											
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
560C	6P	1180	140	1280	1400	430	1850	530	55	M42	LATER	1296	560	53	2233	2621	391	160	300	294	147	250	40	169	14/160	11/125	560C
560D	6P, 8P	1180	140	1280	1600	430	2050	530	55	M42		1296	560	53	2233	2821	391	160	300	294	147	250	40	169	14/160	11/125	560D
630C	6P, 8P	1250	160	1400	1600	480	2100	560	55	M42		1349	630	58	2408	2913	453	180	300	287	165	250	45	190	18/180	14/140	630C
630D	6P, 8P	1250	160	1400	1800	480	2300	560	55	M42		1349	630	58	2408	3113	453	180	300	287	165	250	45	190	18/180	14/140	630D
630E	6P, 8P	1250	160	1400	2000	480	2500	560	55	M42		1349	630	58	2408	3388	478	200	350	337	185	280	45	210	18/200	18/180	630E
710D	8P	1400	180	1570	2000	520	2550	600	55	M42		1499	710	50	2643	3463	513	220	350	337	203	280	50	231	18/225	18/200	710D
710E	8P	1400	180	1570	2240	520	2700	600	55	M42		1499	710	50	2643	3658	468	220	350	337	203	280	50	231	18/225	18/200	710E

1. TOLERANCE OF SHAFT EXTENSION DIAMETER $D=m6$.
2. TOLERANCE OF SHAFT CENTER HEIGHT $H=\frac{1}{10}$.
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 $F\frac{1}{4}400:500$, $F\frac{1}{4}450:530$, $F\frac{1}{4}500:600$, $F\frac{1}{4}560:630$, $F\frac{1}{4}630:670$, $F\frac{1}{4}710:710$.

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

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



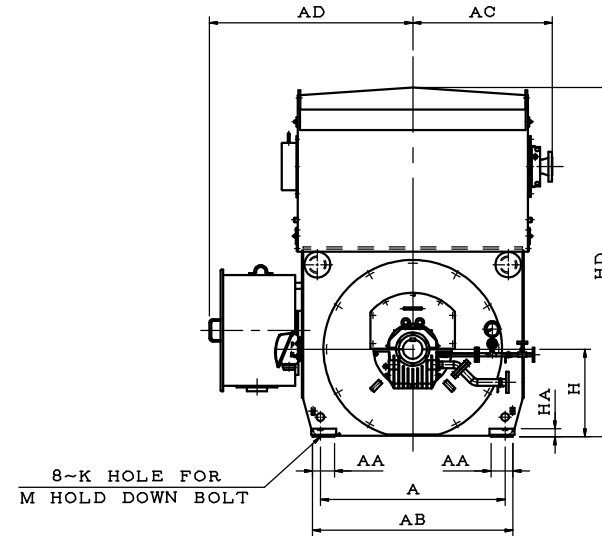
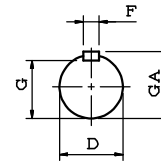
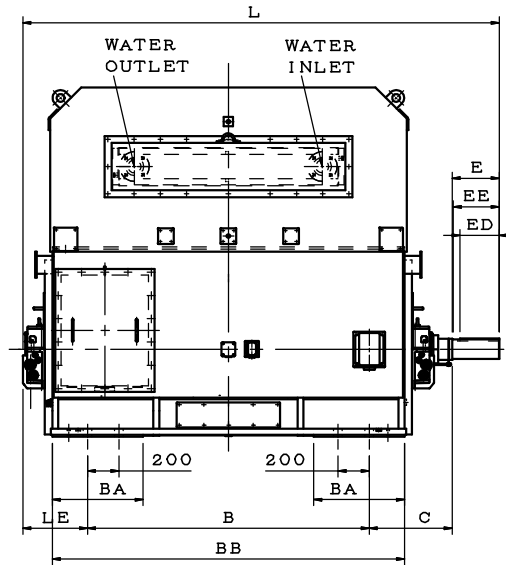
DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	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	
500E	2P	1000	140	1150	1600	405	2050	500	48	M36	LATER	1229	500	40	2113	2698	388	110	210	204	100	160	28	116	11/110	9 / 80	500E
560D	4P	1180	140	1280	1600	430	2050	530	55	M42		1296	560	53	2233	2821	391	160	300	294	147	250	40	169	14/160	11/125	560D
560E	2P	1180	140	1280	1800	430	2250	530	55	M42		1299	560	53	2233	2953	413	125	210	204	114	160	32	132	11/125	11/110	560E
630C	4P	1250	160	1400	1600	480	2100	560	55	M42		1349	630	58	2408	2913	453	180	300	287	165	250	45	190	18/180	14/140	630C
630D	2P	1250	160	1400	1800	480	2300	560	55	M42		1352	630	58	2408	3093	483	140	250	244	128	200	36	148	14/140	14/125	630D
	4P											1349				3113	453	180	300	287	165	250	45	190	18/180	14/140	
630E	2P	1250	160	1400	2000	480	2500	560	55	M42		1352	630	58	2408	3293	483	140	250	244	128	200	36	148	14/140	14/125	630E
	4P											1349				3388	478	200	350	337	185	280	45	210	18/200	18/180	
710D	4P, 6P	1400	180	1570	2000	520	2550	600	55	M42		1499	710	50	2643	3463	513	220	350	337	203	280	50	231	18/225	18/200	710D
710E	4P, 6P	1400	180	1570	2240	520	2700	600	55	M42		1499	710	50	2643	3658	468	220	350	337	203	280	50	231	18/225	18/200	710E
800B	8P	1700	220	1900	1800	600	2360	630	55	M42		1795	800	65	2833	3398	558	240	410	397	220	360	56	252	22/250	22/225	800B
800C	8P	1700	220	1900	2000	600	2560	630	55	M42		1795	800	65	2833	3598	558	240	410	397	220	360	56	252	22/250	22/225	800C
800D	4P	1700	220	1900	2240	600	2700	630	55	M42		1795	800	65	2833	3728	508	220	350	337	203	280	50	231	22/225	22/200	800D
	6P&8P															3788		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 $H=\frac{1}{2}$ FOR F#630 & BELOW, $H=\frac{1}{4}$ 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#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)500E-900D

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

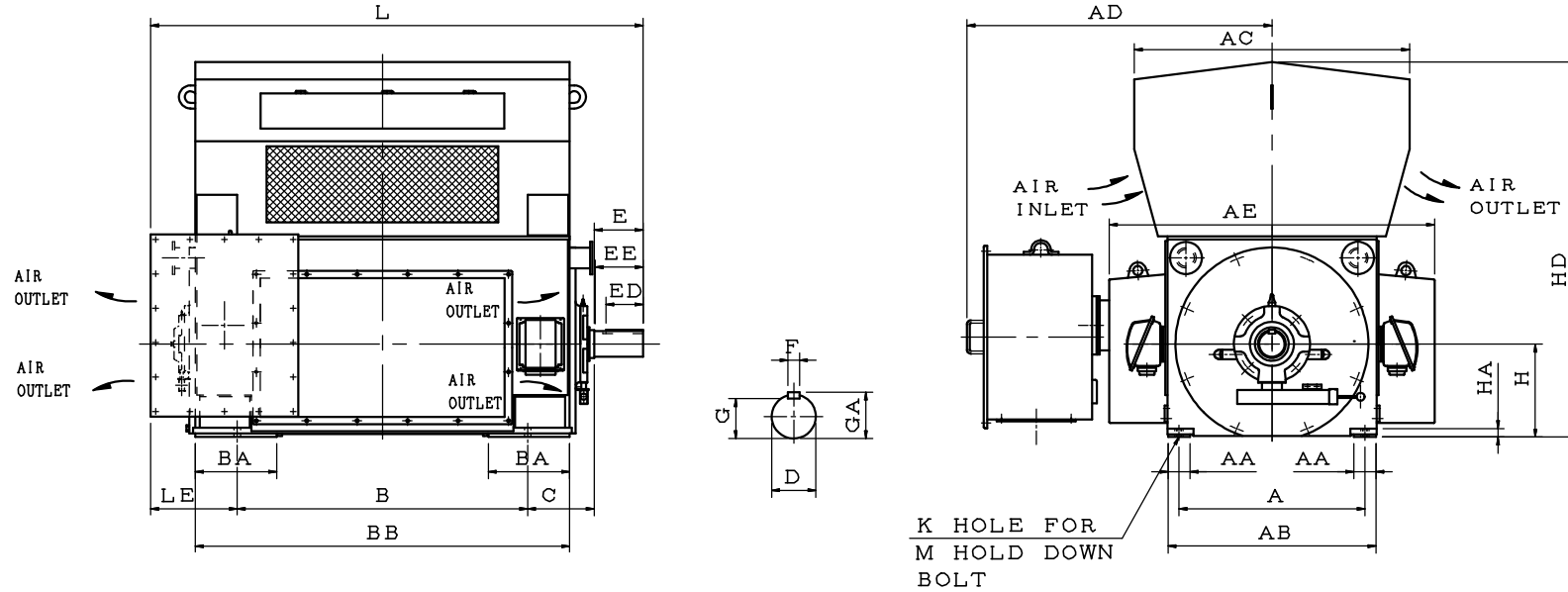


FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
900B	4P	1800	220	1995	2000	600	2600	670	55	M42	LATER	1894	900	65	3183	3663	583	240	410	397	220	360	56	252	22/250	22/225	900B
	6P/8P																	260	410	397	240	360	56	272	22/250	22/225	
900C	4P	1800	220	1995	2240	600	2740	670	55	M42		1894	900	65	3183	3853	533	240	410	397	220	360	56	252	22/250	22/225	900C
	6P/8P																	260	410	397	240	360	56	272	22/250	22/225	
900D	4P	1800	220	1995	2500	600	3000	670	55	M42		1894	900	65	3183	4113	533	260	410	397	240	360	56	272	22/250	22/225	900D
	6P/8P																										

1. TOLERANCE OF SHAFT EXTENSION DIAMETER $D = \pm 0.06$.
2. TOLERANCE OF SHAFT CENTER HEIGHT $H = \pm 0.1$ FOR F#630 & BELOW, $H = \pm 0.15$ FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH $F = \pm 0.09$.
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#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)500E-900D

NEMA WEATHER PROTECTED TYPE I/II. SQUIRREL CAGE ROTOR.



DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	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	
400D	4P	800	95	900	1120	355	1480	280	42	M30	1185	1150	1110	400	37	1610	2048	478	95	170	162	86	140	25	100	6320	6320	400D
450B	4P&6P	900	100	990	1000	380	1420	315	42	M30	1290	1220	1240	450	37	1712	2008	483	110	210	200	100	160	28	116	6324	6320	450B
450C	4P&6P	900	100	990	1120	380	1540	315	42	M30	1290	1220	1240	450	37	1712	2128	483	125	210	202	114	160	32	132	6326	6322	450C
450D	4P, 6P&8P	900	100	990	1250	380	1660	315	42	M30	1290	1220	1240	450	37	1712	2258	483	125	210	202	114	160	32	132	6326	6322	450D
500B	6P&8P	1000	140	1150	1120	405	1570	335	48	M36	1475	1300	1400	500	37	1940	2193	488	140	250	240	128	200	36	148	6330	6326	500B
500C	4P, 6P&8P	1000	140	1150	1250	405	1770	335	48	M36	1475	1300	1400	500	37	1940	2323	488	140	250	240	128	200	36	148	6330	6326	500C
500D	4P, 6P&8P	1000	140	1150	1400	405	1850	335	48	M36	1475	1300	1400	500	37	1940	2473	488	140	250	240	128	200	36	148	6330	6326	500D
560C	6P	1180	140	1280	1400	430	1850	355	55	M42	1675	1370	1540	560	51	2140	2528	473	160	300	290	147	250	40	169	6334	6330	560C
560D	6P&8P	1180	140	1280	1600	430	2050	355	55	M42	1675	1370	1540	560	51	2140	2728	473	160	300	290	147	250	40	169	6334	6330	560D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER $D = m6$.

2. TOLERANCE OF SHAFT CENTER HEIGHT $H = \frac{H}{10}$.

3. TOLERANCE OF KEY WIDTH $F = h9$.

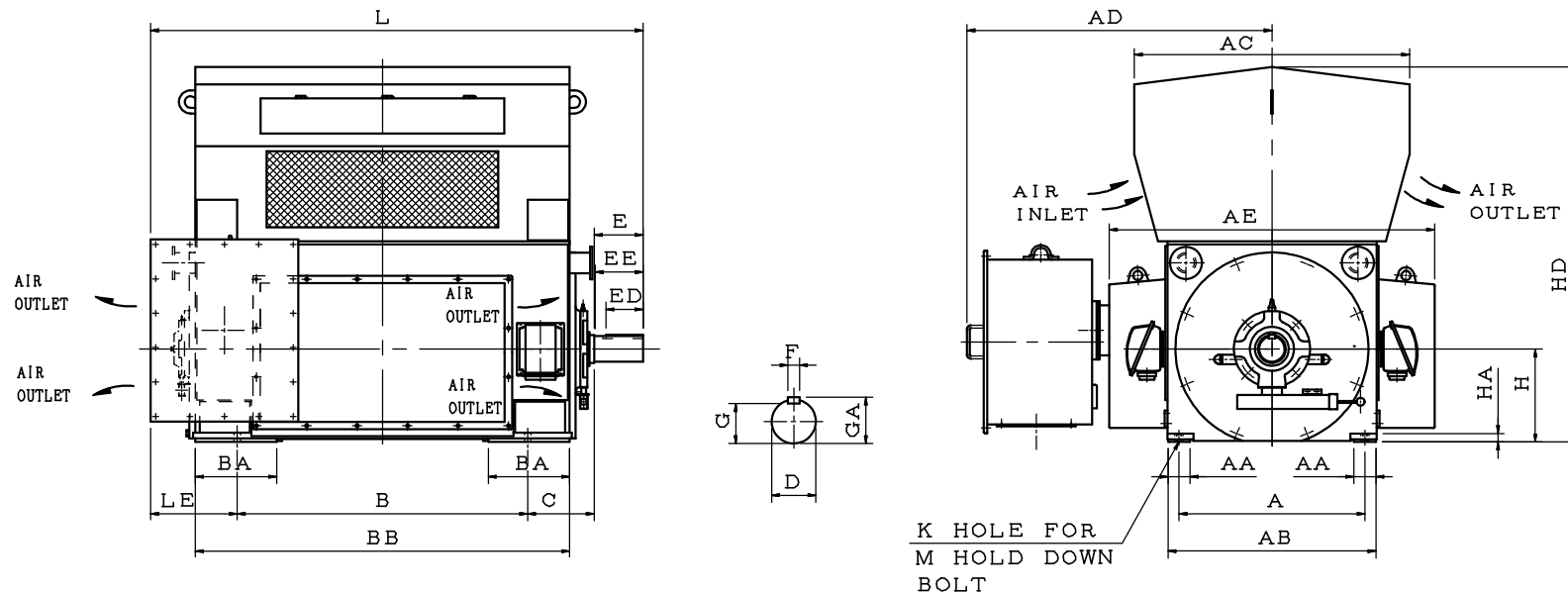
4. USABLE SHAFT LENGTH: EE

5. ANTI-FRICTION BEARINGS.

OUTLINE DIMENSIONS SHEET

3-PHASE INDUCTION MOTOR
FRAME NO. (EZ)400D-710E

NEMA WEATHER PROTECTED TYPE I/II. SQUIRREL CAGE ROTOR.



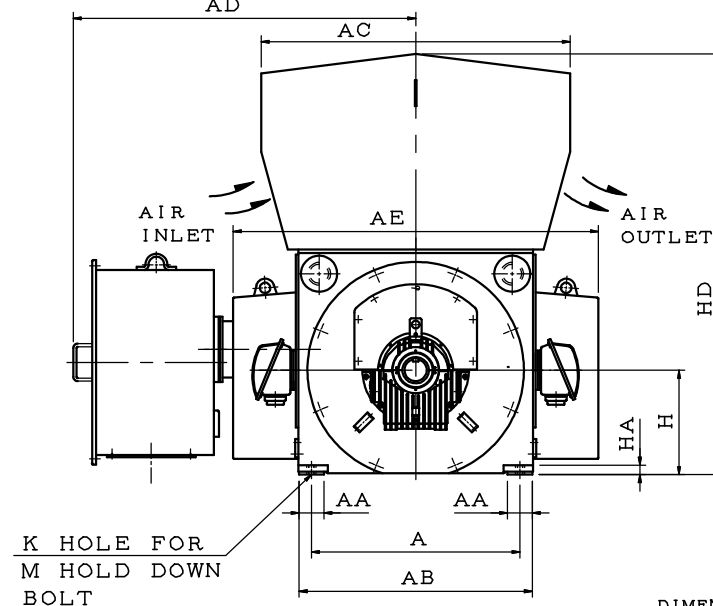
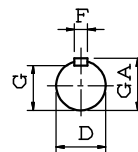
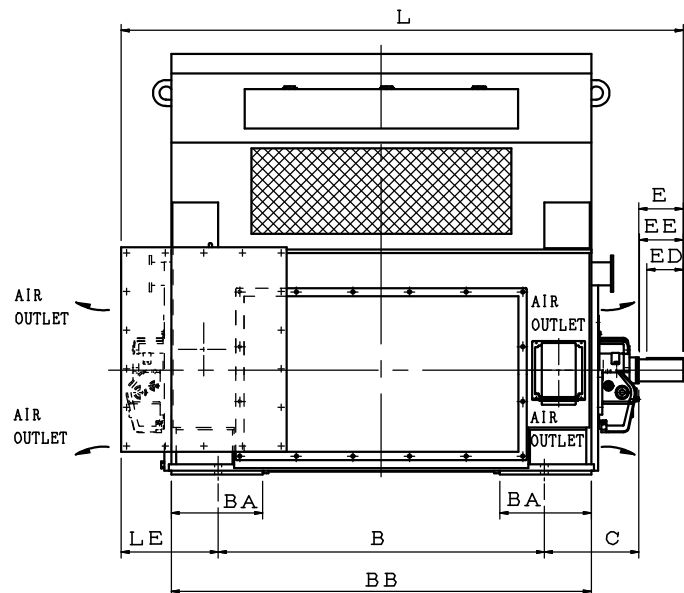
DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	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	
630C	6P&8P	1250	160	1400	1600	480	2100	450	55	M42	1750	1585	1790	630	58	2568	2973	698	180	300	290	165	250	45	190	NU238	6338	630C
630D	6P&8P	1250	160	1400	1800	480	2300	450	55	M42	1750	1585	1790	630	58	2568	3173	698	180	300	290	165	250	45	190	NU238	6338	630D
630E	6P&8P	1250	160	1400	2000	480	2500	450	55	M42	1750	1585	1790	630	58	2568	3423	698	200	350	337	185	280	45	210	NU244+6044	NU238	630E
710D	6P&8P	1400	180	1570	2000	520	2550	475	55	M42	2150	1785	2190	710	50	2973	3548	723	220	350	337	203	280	50	231	NU248+6048	NU244	710D
710E	6P&8P	1400	180	1570	2240	520	2700	475	55	M42	2150	1785	2190	710	50	2973	3743	678	220	350	337	203	280	50	231	NU248+6048	NU244	710E

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)400D-710E

NEMA WEATHER PROTECTED TYPE I/II. SQUIRREL CAGE ROTOR.
AD



DIMENSIONS IN MM

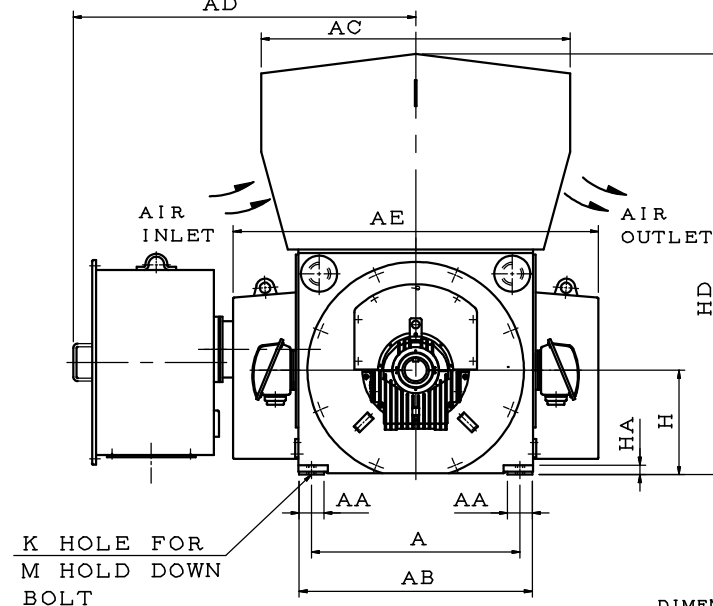
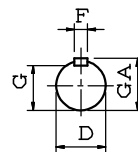
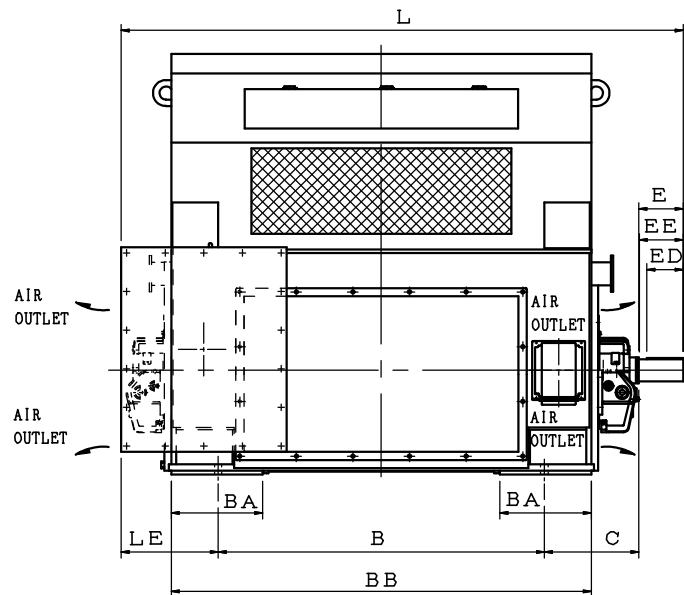
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
400D	4P	800	95	900	1120	355	1480	400	42	M30	1185	1150	1110	400	37	1610	2168	478	95	170	164	86	140	25	100	9S/90	9S/80	400D
400E	2P	800	95	900	1250	355	1610	400	42	M30	1185	1150	1110	400	37	1610	2298	478	85	170	164	76	140	22	90	9S/80	9S/80	400E
450B	4P	900	100	990	1000	380	1420	450	42	M30	1290	1220	1240	450	37	1712	2143	483	125	210	204	114	160	32	132	11/125	11/110	450B
	6P																		110	210	204	100	160	28	116	11/110	9/80	
450C	4P	900	100	990	1120	380	1540	450	42	M30	1290	1220	1240	450	37	1712	2263	483	125	210	204	114	160	32	132	11/125	11/110	450C
	6P																		110	210	204	100	160	28	116	11/110	9/80	
450D	2P	900	100	990	1250	380	1670	450	42	M30	1290	1220	1240	450	37	1712	2353	483	95	170	164	86	140	25	100	9S/90	9S/80	450D
450D	4P	900	100	990	1250	380	1670	450	42	M30	1290	1220	1240	450	37	1712	2393	483	125	210	204	114	160	32	132	11/125	11/110	450D
	6P&8P																		110	210	204	100	160	28	116	11/110	9/80	
450E	2P	900	100	990	1400	380	1820	450	42	M30	1290	1220	1240	450	37	1712	2503	483	95	170	164	86	140	25	100	9S/90	9S/80	450E

1. TOLERANCE OF SHAFT EXTENSION DIAMETER $D_{\text{m}}6$.
2. TOLERANCE OF SHAFT CENTER HEIGHT $H_{\text{m}}3$.
3. TOLERANCE OF KEY WIDTH $F_{\text{h}}9$.
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 F400:500, F450:530, F500:600,
F560:630, F630:670, F710:710

OUTLINE DIMENSIONS SHEET

3-PHASE INDUCTION MOTOR
FRAME NO. (EZ)400D-710E

NEMA WEATHER PROTECTED TYPE I/II. SQUIRREL CAGE ROTOR.



DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	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	
500B	6P&8P	1000	140	1150	1120	405	1570	500	48	M36	1475	1300	1400	500	37	1940	2358	488	140	250	244	128	200	36	148	14/140	11/125	500B
500C	4P, 6P&8P	1000	140	1150	1250	405	1700	500	48	M36	1475	1300	1400	500	37	1940	2488	488	140	250	244	128	200	36	148	14/140	11/125	500C
500D	4P, 6P&8P	1000	140	1150	1400	405	1850	500	48	M36	1475	1300	1400	500	37	1940	2638	488	140	250	244	128	200	36	148	14/140	11/125	500D
560C	6P	1180	140	1280	1400	430	1850	530	55	M42	1675	1370	1540	560	51	2140	2703	473	160	300	294	147	250	40	169	14/160	11/125	560C
560D	6P&8P	1180	140	1280	1600	430	2050	530	55	M42	1675	1370	1540	560	51	2140	2903	473	160	300	294	147	250	40	169	14/160	11/125	560D
630C	6P&8P	1250	160	1400	1600	480	2100	560	55	M42	1750	1420	1640	630	58	2568	3158	698	180	300	287	165	250	45	190	18/180	14/140	630C
630D	6P&8P	1250	160	1400	1800	480	2300	560	55	M42	1750	1420	1640	630	58	2568	3358	698	180	300	287	165	250	45	190	18/180	14/140	630D
630E	6P&8P	1250	160	1400	2000	480	2500	560	55	M42	1750	1420	1640	630	58	2568	3608	698	200	350	337	185	280	45	210	18/200	18/180	630E
710D	8P	1400	180	1570	2000	520	2550	600	55	M42	2150	1550	1890	710	50	2973	3673	723	220	350	337	203	280	50	231	18/225	18/200	710D
710E	8P	1400	180	1570	2240	520	2700	600	55	M42	2150	1550	1890	710	50	2973	3868	678	220	350	337	203	280	50	231	18/225	18/200	710E

1. TOLERANCE OF SHAFT EXTENSION DIAMETER $D_{\text{m}6}$.

2. TOLERANCE OF SHAFT CENTER HEIGHT $H_{\text{m}3}$.

3. TOLERANCE OF KEY WIDTH $F_{\text{h}9}$.

4. USABLE SHAFT LENGTH: EE

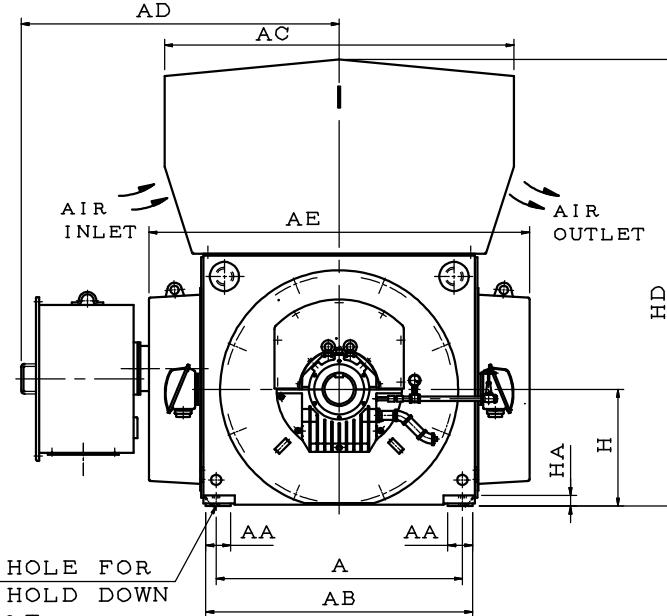
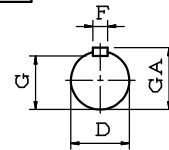
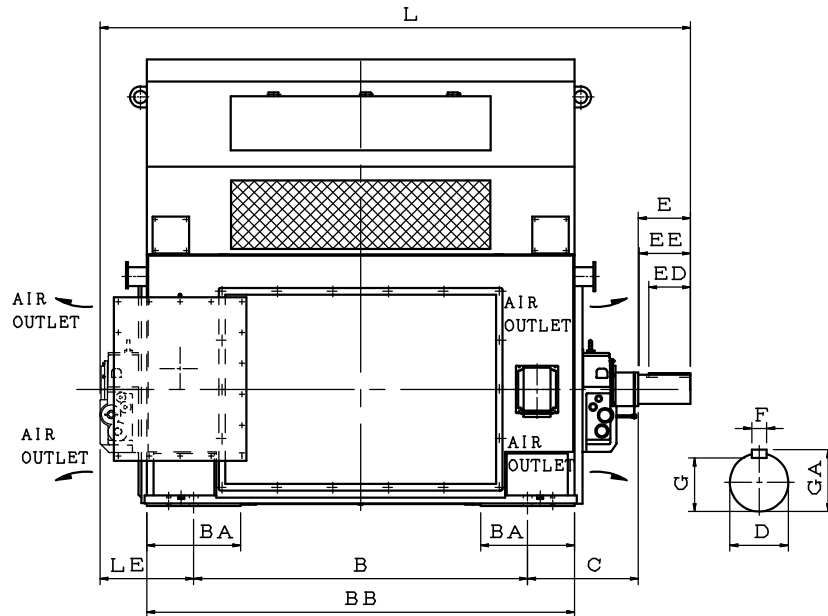
5. SLEEVE BEARINGS SELF LUBRICATION (NATURAL COOLING).

6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED FH400:500, FH450:530, FH500:600, FH560:630, FH630:670, FH710:710

OUTLINE DIMENSIONS SHEET

3-PHASE INDUCTION MOTOR
FRAME NO. (EZ)400D-710E

NEMA WEATHER PROTECTED TYPE I/II . SQUIRREL CAGE ROTOR.



K HOLE FOR
M HOLD DOWN
BOLT

DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	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	
500E	2P	1000	140	1150	1600	405	2050	500	48	M36	1475	1300	1400	500	37	1940	2798	488	110	210	204	100	160	28	116	11/110	9/80	500E
560D	4P	1180	140	1280	1600	430	2050	530	55	M42	1675	1370	1540	560	51	2140	2903	473	160	300	294	147	250	40	169	14/160	11/125	560D
560E	2P	1180	140	1280	1800	430	2250	530	55	M42	1675	1370	1540	560	51	2140	3013	473	125	210	204	114	160	32	132	11/125	11/110	560E
630C	4P	1250	160	1400	1600	480	2100	560	55	M42	1750	1420	1640	630	58	2568	3158	698	180	300	287	165	250	45	190	18/180	14/140	630C
630D	2P	1250	160	1400	1800	480	2300	560	55	M42	1750	1420	1640	630	58	2568	3308	698	140	250	244	128	200	36	148	14/140	14/125	630D
	4P																3358	698	180	300	287	165	250	45	190	18/180	14/140	
630E	2P	1250	160	1400	2000	480	2500	560	55	M42	1750	1420	1640	630	58	2568	3508	698	140	250	244	128	200	36	148	14/140	14/125	630E
	4P																3608	698	200	350	337	185	280	45	210	18/200	18/180	
710D	4P, 6P	1400	180	1570	2000	520	2550	600	55	M42	2150	1550	1890	710	50	2973	3673	723	220	350	337	203	280	50	231	18/225	18/200	710D
710E	4P, 6P	1400	180	1570	2240	520	2700	600	55	M42	2150	1550	1890	710	50	2973	3868	678	220	350	337	203	280	50	231	18/225	18/200	710E
800B	8P	1700	220	1900	1800	600	2360	630	55	M42	2250	1680	2160	800	65	3133	3398	558	240	410	397	220	360	56	252	22/250	22/225	800B
800C	8P	1700	220	1900	2000	600	2560	630	55	M42	2250	1680	2160	800	65	3133	3598	558	240	410	397	220	360	56	252	22/250	22/225	800C
800D	4P	1700	220	1900	2240	600	2700	630	55	M42	2250	1680	2160	800	65	3133	3728	508	220	350	337	203	280	50	231	22/225	22/200	800D
	6P&8P																3788	508	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 $H = \frac{1}{10}$ FOR F#630 & BELOW, $H = \frac{1}{8}$ 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#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)500E-900D

6

5

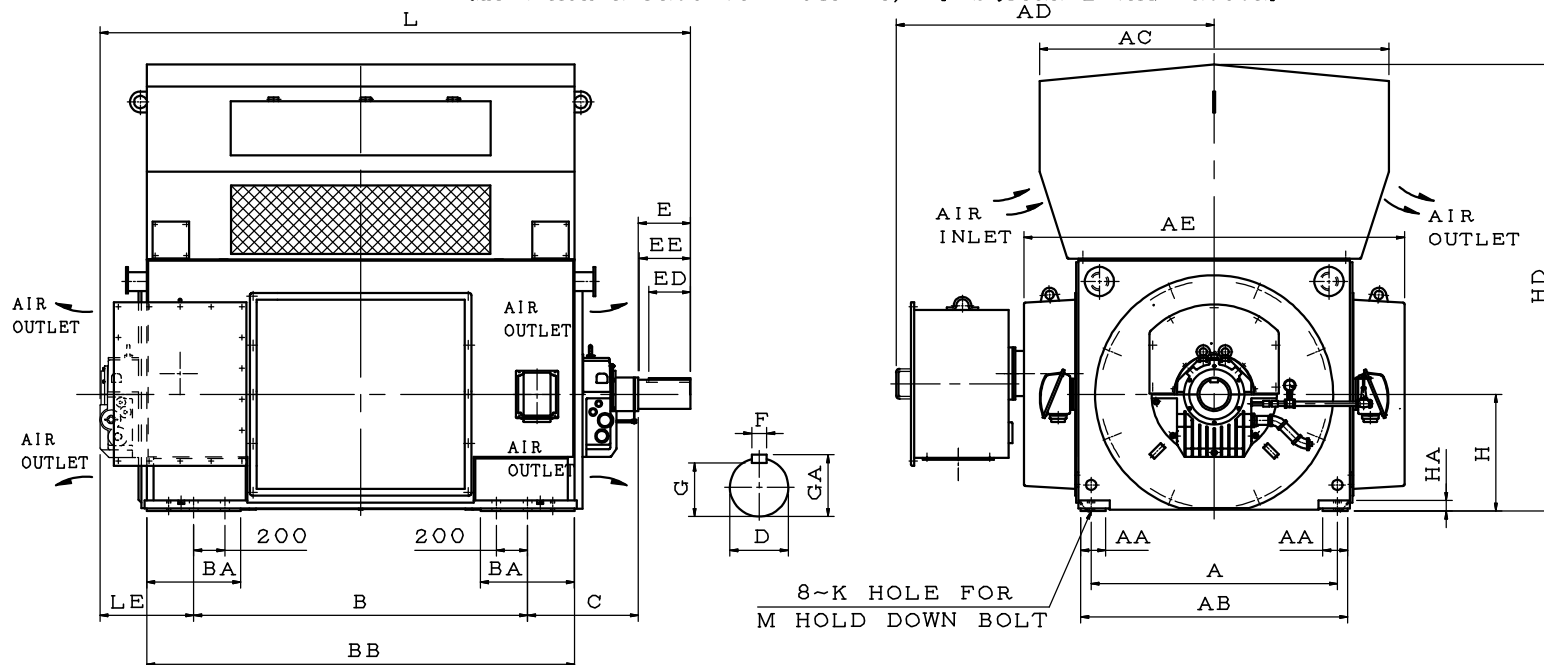
4

3

2

1

NEMA WEATHER PROTECTED TYPE I/II . SQUIRREL CAGE ROTOR.



8~K HOLE FOR
M HOLD DOWN BOLT

DIMENSIONS IN MM

FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	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	1800	220	1995	2000	600	2600	670	55	M42	2350	1770	2340	900	65	3335	3663	583	240	410	397	220	360	56	252	22/250	22/225	900B
	6P&8P																		260	410	397	240	360	56	272	22/250	22/225	
900C	4P	1800	220	1995	2240	600	2740	670	55	M42	2350	1770	2340	900	65	3335	3853	533	240	410	397	220	360	56	252	22/250	22/225	900C
	6P&8P																		260	410	397	240	360	56	272	22/250	22/225	
900D	6P&8P	1800	220	1995	2500	600	3000	670	55	M42	2350	1770	2340	900	65	3335	4113	533	260	410	397	240	360	56	272	22/250	22/225	900D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER $D = \pm 0.06$.2. TOLERANCE OF SHAFT CENTER HEIGHT $H = \pm 0.2$ FOR F#630 & BELOW, $H = \pm 0.1$, FOR F#710 & UP.3. TOLERANCE OF KEY WIDTH $F = \pm 0.09$.

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#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)500E-900D