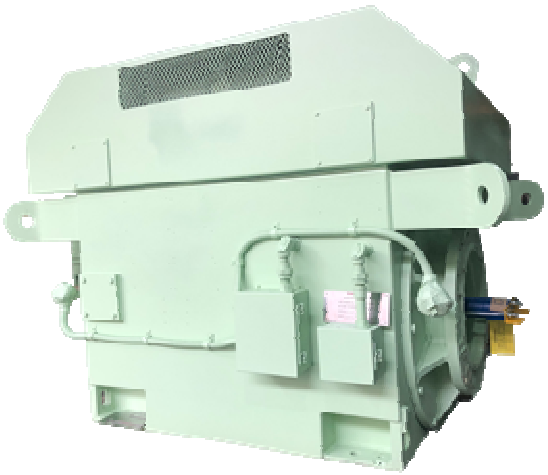
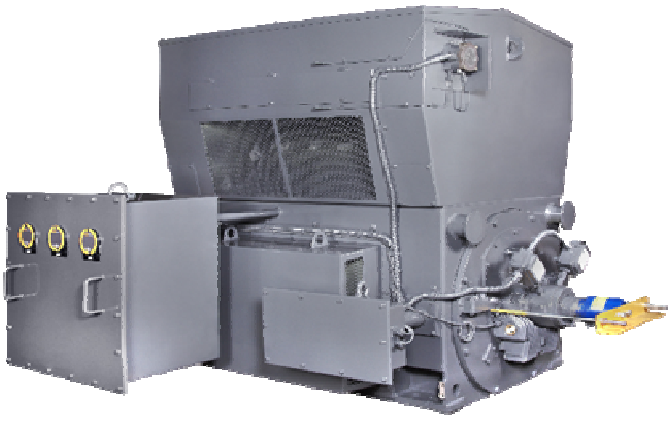
TECO

半密型ODP, WPI, WPII及水冷式馬達

MODEL : ASZK, AMZK, ANZK, AEZW

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





DWG NO.
3A057H500E
REV. 07

SPECIFICATION TABLE

STANDARD 3-PHASE INDUCTION MOTORS
HIGH VOLTAGE SQUIRREL CAGE

MODEL
ASZK,AMZK,ANZK,AEZW
6000V
50HZ

	ITEM	STANDARD SPECIFICATION
RATING	KIND OF MOTOR	SQUIRREL-CAGE INDUCTION MOTOR (SCIM)
	DESIGN STANDARD	IEC
	VOLTAGE	6000V
	FREQUENCY	50Hz
	FRAME NO. (SZ & EZ)	355C ~ 900D
	OUTPUT RANGE	400 ~ 17000HP (300 ~ 12700kW) 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 (WPⅠ) IP24: ANZK (WPⅡ); 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)
APPLICATION	POWER CONDITIONS	VOLTAGE ±10%, FREQUENCY ±5% AND 10% MAX. OF COMBINED VOLTAGE AND FREQUENCY WITH FREQUENCY NOT TO EXCEED 5%
	ENVIRONMENT CONDITIONS	DP, WPⅠ: INDOOR; WPⅡ, TEWAC : OUTDOOR, NON-HAZARDOUS AMBIENT TEMPERATURE : -18 ~ 40℃ (OIL SUMP HEATER IS NOT TECO'S SCOPE) WATER INLET TEMPERATURE : 5~30℃ , (DERATING IS REQUIRED FOR TEPERATURE HIGHTER THAN 30 ℃) 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. 3A057H503E 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. 3A057H503E, VALUES IN TABLE IS NOMINAL NEMA DESIGN B
	TEMPERATURE RISE	STATOR COIL : (ACCORDING TO NEMA MG1-2003) S.F. 1.0 80℃ BY RESISTANCE METHOD ● RECOMMEND TEMPERATURE SETTINGS : ALARM 140℃ ; TRIP 155℃ BEARINGS : SLEEVE BEARINGS : 53℃ AT RATED LOAD ANTI-FRICTION BEARINGS : 55℃ AT RATED LOAD ● RECOMMEND TEMPERATURE SETTINGS : ALARM 95℃ ; TRIP 100℃
	NOISE	SOUND PRESSURE LEVEL MEASURED AT 1 METER DISTANCE & NO-LOAD CONDITION PER IEEE 85 METHOD (TOLERANCE ±3dBA). 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 μm (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 μm (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

3-PHASE SQUIRREL CAGE INDUCTION MOTORS
HIGH VOLTAGE SQUIRREL CAGE

MODEL
ASZK,AMZK,ANZK,AEZW
6000V
50HZ

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

2P 6000V 50HZ

TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT (1)	APPROX. WEIGHT (2)
HP	(kW)	LOAD RPM	NO. (SZ) (EZ)	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^2 $KG\text{-}M^2$	GD^2 $KG\text{-}M^2$	KGS	KGS
900	670	2969	355D-85R	94.5	94.4	93.8	88.2	86.8	81.9	77	529	409	221	70	200	21	139	2350	2800
1000	750	2970	355D-85R	94.7	94.6	94.0	88.6	87.0	82.0	86	564	485	245	70	210	23	151	2450	2900
1250	930	2966	355E-85R	94.8	94.7	94.1	89.4	88.6	84.9	106	524	553	307	70	200	25	179	2750	3200
1500	1120	2975	400D-85R	95.2	95.1	94.5	88.1	87.0	82.8	128	507	651	367	60	210	38	203	3350	3800
1750	1320	2974	400D-85R	95.3	95.2	94.6	88.8	87.9	84.2	150	517	776	428	60	220	42	226	3500	3950
2000	1500	2975	400D-85R	95.5	95.4	94.8	88.9	87.9	84.0	170	533	906	489	60	200	44	246	3650	4100
2250	1680	2974	400E-95U	95.6	95.5	94.9	88.9	88.0	84.1	190	537	1021	550	70	200	46	266	3800	4250
2500	1850	2974	400E-95U	95.9	95.8	95.2	89.6	88.9	85.6	207	540	1119	612	70	200	50	283	4000	4450
3000	2240	2976	450D-110V	95.8	95.7	95.1	89.1	88.3	84.6	253	524	1323	733	70	200	69	311	4650	5250
3500	2650	2976	450D-110V	96.0	95.9	95.3	90.1	89.3	86.0	295	554	1633	856	70	210	78	334	5000	5600
4000	3000	2977	450E-110V	96.3	96.2	95.6	90.8	90.0	87.0	330	591	1951	978	80	220	88	352	5500	6100
4500	3360	2980	500D-125V	96.2	96.1	95.5	89.8	89.6	87.3	374	506	1894	1099	70	210	131	363	6650	7250
5000	3750	2978	500E-125V	96.3	96.2	95.6	90.1	90.5	89.1	416	475	1975	1222	60	190	142	371	7200	7800
5500	4100	2978	500E-125V	96.3	96.2	95.6	90.2	90.5	88.9	454	493	2239	1344	70	200	149	374	7500	8100
6000	4500	2978	500E-125V	96.3	96.2	95.6	89.8	90.2	88.6	501	476	2383	1466	70	190	149	373	7500	8100
6500	4850	2984	560D-125V	96.4	96.3	95.7	90.7	90.4	88.1	534	555	2962	1585	70	200	207	365	8900	9600
7000	5200	2983	560D-125V	96.5	96.4	95.8	90.8	90.9	89.1	571	531	3032	1707	60	210	214	356	9150	9850
7500	5600	2984	560D-125V	96.7	96.6	96.0	91.4	91.3	89.5	610	572	3487	1829	70	200	230	343	9600	10300
8000	6000	2988	630D-140V	97.3	97.2	96.6	92.3	91.7	89.3	643	652	4192	1948	60	240	310	324	13850	14550
9000	6700	2988	630D-140V	97.3	97.2	96.6	92.5	91.8	89.2	716	698	5000	2192	70	250	337	281	14650	15350
10000	7500	2988	630E-140V	97.4	97.3	96.7	92.8	92.2	90.0	798	696	5557	2435	70	250	364	224	15600	16300

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 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℃ AMBIENT,S.F.1.0

4P 6000V 50HZ

TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT (1)	APPROX. WEIGHT (2)
HP	(kW)	LOAD RPM	NO. (SZ) (EZ)	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^2 $KG\text{-}M^2$	GD^2 $KG\text{-}M^2$	KGS	KGS
700	520	1482	355D-110R	94.6	94.5	93.6	82.8	79.3	70.9	64	548	352	344	60	210	39	1034	2400	2850
800	600	1482	355D-110R	94.7	94.6	93.7	83.5	80.4	72.5	73	552	401	393	70	210	44	1160	2500	2950
900	670	1481	355D-110R	94.7	94.6	93.7	83.0	79.8	71.7	82	536	441	442	60	200	44	1285	2550	3000
1000	750	1482	355E-110R	95.0	94.9	94.0	84.0	81.0	73.5	90	565	508	491	70	210	51	1403	2800	3250
1250	930	1486	400D-125R	95.5	95.4	94.5	82.9	79.0	70.0	113	624	707	612	70	240	75	1679	3500	3950
1500	1120	1484	400D-125R	95.5	95.4	94.5	83.8	80.9	73.3	135	566	762	735	60	210	79	1957	3600	4050
1750	1320	1484	450B-140R	95.3	95.2	94.3	85.7	83.5	77.1	154	515	792	858	60	200	112	2214	4200	4800
2000	1500	1484	450C-140R	95.6	95.5	94.6	86.8	85.0	79.4	173	520	900	981	60	200	126	2460	4600	5200
2250	1680	1484	450C-140R	95.6	95.5	94.6	86.8	85.0	79.4	195	520	1012	1103	60	220	132	2694	4700	5300
2500	1850	1484	450D-140R	95.8	95.7	94.8	86.3	84.3	78.2	217	532	1155	1226	60	200	139	2918	4850	5450
3000	2240	1484	450D-140R	96.0	95.9	95.0	87.1	85.5	80.2	258	537	1383	1471	60	200	158	3336	5300	5900
3500	2650	1487	500C-160V	96.2	96.1	95.2	86.5	84.6	78.9	302	547	1652	1713	60	200	235	3699	6300	6900
4000	3000	1488	500D-160V	96.4	96.3	95.4	86.9	84.8	78.9	343	591	2026	1956	60	220	270	4039	6950	7550
4500	3360	1489	500D-160V	96.5	96.4	95.5	86.4	83.5	76.3	387	686	2658	2199	80	250	306	4349	7450	8050
5000	3750	1489	560C-180V	96.6	96.5	95.6	87.4	85.9	80.8	425	590	2508	2443	60	210	391	4638	8650	9350
5500	4100	1489	560D-180V	96.7	96.6	95.7	88.0	86.5	81.8	464	613	2844	2688	70	210	447	4901	9450	10150
6000	4500	1490	560D-180V	96.8	96.7	95.8	87.6	85.7	80.3	508	647	3286	2930	70	230	463	5130	9650	10350
6500	4850	1491	630C-200V	97.1	97.0	96.1	90.8	89.9	86.6	529	602	3186	3172	60	220	830	5334	11950	12650
7000	5200	1492	630D-200V	97.1	97.0	96.1	90.4	89.1	85.0	572	649	3715	3414	60	240	856	5515	12300	13000
7500	5600	1492	630D-200V	97.1	97.0	96.1	90.4	88.9	84.5	613	679	4165	3658	60	250	908	5684	12950	13650
8000	6000	1492	630D-200V	97.1	97.0	96.1	90.5	89.2	85.1	654	649	4241	3901	60	240	934	5833	13250	13950
9000	6700	1491	630E-200V	97.2	97.1	96.2	90.9	90.0	86.7	731	616	4504	4392	60	230	1013	6084	14200	14900
10000	7500	1490	710D-220V	97.0	96.9	96.0	92.5	92.0	89.5	800	608	4864	4883	50	240	1472	6262	18300	19100
11000	8200	1490	710D-220V	97.0	96.9	96.0	92.6	92.0	89.7	879	605	5319	5372	50	240	1552	6357	19750	20550
12000	8950	1490	710E-220V	97.0	96.9	96.0	92.8	92.3	90.2	957	602	5761	5860	50	240	1673	6385	20000	20800
13000	9700	1490	800C-240V	96.9	96.8	95.9	90.3	89.5	86.4	1067	583	6218	6348	50	220	1931	6350	25500	25700
14000	10450	1491	800D-240V	97.1	97.0	96.1	90.6	89.3	85.3	1142	693	7917	6832	60	250	2271	6406	28300	28500
15000	11200	1490	800D-240V	97.1	97.0	96.1	90.9	90.0	86.9	1220	631	7698	7325	60	240	2328	6566	28600	28800
16000	11950	1491	900B-240V	97.1	97.0	96.1	92.5	92.3	90.4	1279	587	7506	7808	50	230	3058	6638	30500	30700
17000	12700	1492	900C-240V	97.1	97.0	96.1	92.8	92.3	90.0	1354	649	8790	8290	60	250	3322	6755	32600	32800

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 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℃ AMBIENT,S.F.1.0

6P 6000V 50HZ

TYPICAL PERFORMANCE

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE			ROTOR	Max. Load	APPROX. WEIGHT (1)	APPROX. WEIGHT (2)
HP	(kW)	LOAD RPM	NO. (SZ) (EZ)	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^2 $KG\text{-}M^2$	GD^2 $KG\text{-}M^2$	KGS	KGS
500	375	988	355C-110R	93.5	93.4	92.3	82.3	77.9	67.9	47	587	274	368	90	220	54	2582	2450	3000
600	450	988	355D-110R	93.9	93.8	92.7	82.9	79.0	69.6	55	586	324	442	90	220	60	3040	2700	3250
700	520	989	400B-125R	94.1	94.0	92.9	82.5	78.5	69.0	65	571	370	515	60	220	81	3478	2950	3500
800	600	988	400B-125R	94.2	94.1	93.0	82.5	78.5	69.1	74	571	422	589	70	220	86	3923	3050	3600
900	670	988	400C-125R	94.4	94.3	93.2	84.2	80.9	72.7	81	570	463	663	70	210	97	4351	3300	3850
1000	750	989	400D-125R	94.6	94.5	93.4	84.4	81.1	72.9	90	588	529	736	70	220	108	4758	3600	4150
1250	930	989	450B-140R	94.8	94.7	93.6	83.5	79.7	70.6	113	605	686	920	80	230	146	5770	4100	4750
1500	1120	989	450B-140R	95.0	94.9	93.8	84.9	81.6	73.5	134	616	822	1104	80	230	172	6740	4450	5100
1750	1320	990	450D-140R	95.1	95.0	93.9	83.4	78.9	69.0	158	708	1121	1286	100	250	200	8274	4950	5600
2000	1500	989	500B-160R	95.3	95.2	94.1	82.9	79.4	70.8	182	556	1010	1471	70	210	284	8573	5700	6350
2250	1680	989	500B-160R	95.3	95.2	94.1	82.8	79.0	70.2	205	567	1161	1655	70	220	301	9442	5950	6600
2500	1850	989	500C-180R	95.6	95.5	94.4	83.0	79.3	70.6	226	574	1298	1839	70	220	328	10282	6400	7050
3000	2240	990	500D-180R	95.8	95.7	94.6	82.4	78.0	68.4	273	640	1746	2205	90	250	394	11854	7150	7800
3500	2650	991	560C-180R	96.1	96.0	94.9	85.5	82.3	74.4	306	650	1988	2570	80	240	511	13322	8550	9300
4000	3000	991	560C-180R	96.2	96.1	95.0	86.4	83.5	76.2	345	662	2287	2937	80	240	586	14734	9200	9950
4500	3360	992	560D-180R	96.3	96.2	95.1	86.0	82.7	74.7	390	713	2781	3301	90	250	658	16024	10000	10750
5000	3750	993	630C-200R	96.9	96.8	95.7	84.4	82.9	77.3	439	559	2453	3664	70	190	1014	17233	11250	12000
5500	4100	994	630D-200R	96.9	96.8	95.7	84.4	82.8	76.9	483	571	2757	4026	80	200	1086	18365	12050	12800
6000	4500	994	630D-200R	96.9	96.8	95.7	84.3	82.6	76.6	527	576	3037	4392	80	200	1149	19478	12450	13200
6500	4850	993	630D-200R	96.9	96.8	95.7	84.6	83.4	78.2	569	556	3165	4763	80	190	1221	20585	12850	13600
7000	5200	993	630E-200R	97.0	96.9	95.8	84.4	83.0	77.6	614	562	3450	5129	80	190	1254	21580	13200	13950
7500	5600	993	630E-200R	97.0	96.9	95.8	84.6	83.4	78.2	656	559	3668	5495	80	190	1357	22518	14050	14800
8000	6000	994	710D-220R	97.0	96.9	95.8	86.0	85.4	81.2	688	534	3676	5856	60	190	1936	23336	18600	19500
9000	6700	994	710E-220R	97.0	96.9	95.8	86.1	85.5	81.5	774	531	4108	6588	60	190	2093	24940	20200	21100
10000	7500	993	800C-260V	96.9	96.8	95.7	86.5	85.3	80.5	856	524	4488	7327	50	200	2517	26425	25000	25200
11000	8200	993	800C-260V	96.9	96.8	95.7	86.6	85.3	80.4	941	539	5072	8060	60	210	2740	27654	25800	26000
12000	8950	993	800D-260V	97.0	96.9	95.8	86.8	85.4	80.3	1023	562	5750	8793	60	220	3031	28706	28000	28200
13000	9700	994	900B-260V	97.0	96.9	95.8	88.4	87.1	82.6	1088	600	6530	9516	60	210	3812	29500	28800	29000
14000	10450	994	900B-260V	97.0	96.9	95.8	88.5	87.1	82.7	1171	604	7071	10248	60	210	4029	30222	29400	29600
15000	11200	994	900C-280V	97.1	97.0	95.9	88.8	87.6	83.4	1249	605	7555	10980	60	210	4387	30790	31500	31700
16000	11950	994	900D-280V	97.1	97.0	95.9	88.9	87.7	83.6	1331	619	8236	11712	60	210	4745	31211	33600	33800
17000	12700	994	900D-280V	97.1	97.0	95.9	88.8	87.2	82.5	1415	660	9341	12444	70	230	4992	31490	34300	34500

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 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℃ AMBIENT,S.F.1.0

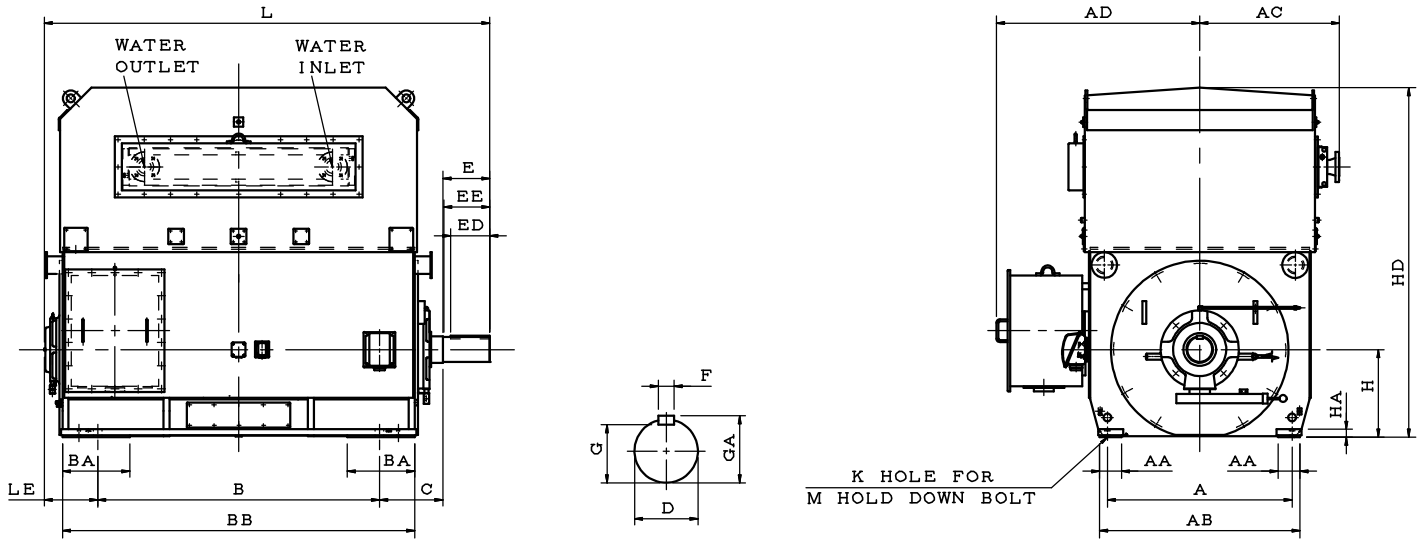
8P 6000V 50HZ

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
400	300	739	355D-110R	92.8	92.7	91.5	79.1	74.3	63.5	39	549	215	394	100	210	78	4644	2600	3150
450	335	738	355D-110R	92.8	92.7	91.5	79.5	74.8	64.4	44	539	236	444	100	200	82	5188	2650	3200
500	375	741	400B-125R	93.4	93.3	92.1	78.0	72.2	60.5	49	575	283	491	90	230	109	5228	2950	3500
600	450	741	400C-125R	93.4	93.3	92.1	78.6	73.2	62.1	59	545	320	589	80	210	116	6165	3150	3700
700	520	741	400D-125R	93.9	93.8	92.6	79.6	74.4	63.5	67	581	391	687	90	220	137	7083	3500	4050
800	600	741	400D-125R	94.0	93.9	92.7	80.2	75.2	64.6	76	585	446	786	90	220	152	7982	3650	4200
900	670	740	450B-140R	93.9	93.8	92.6	79.5	75.3	65.5	87	517	447	885	90	210	184	8894	4000	4650
1000	750	740	450B-140R	94.1	94.0	92.8	80.4	76.7	67.6	95	507	481	983	90	210	196	9765	4150	4800
1250	930	740	450C-140R	94.3	94.2	93.0	81.0	77.3	68.2	117	531	624	1229	90	210	241	11883	4700	5350
1500	1120	741	450D-140R	94.6	94.5	93.3	80.2	75.6	65.6	142	591	839	1473	110	210	291	15005	5250	5900
1750	1320	740	500B-160R	94.8	94.7	93.5	80.4	76.5	67.2	165	546	900	1721	100	220	325	17193	5900	6550
2000	1500	740	500C-180R	94.9	94.8	93.6	80.7	77.0	67.9	187	541	1014	1966	110	210	355	19267	6350	7000
2250	1680	741	500D-180R	94.9	94.8	93.6	80.4	76.0	66.1	212	593	1255	2209	120	210	412	21210	6950	7600
2500	1850	743	560B-180R	95.7	95.6	94.4	81.1	76.9	67.2	231	644	1489	2448	80	230	730	21281	8250	9000
3000	2240	742	560C-180R	95.8	95.7	94.5	82.3	79.6	72.1	273	536	1464	2942	70	210	829	24818	9150	9900
3500	2650	743	560D-180R	96.0	95.9	94.7	82.2	78.9	70.8	318	579	1844	3427	70	200	969	28019	10300	11050
4000	3000	745	630D-200R	96.5	96.4	95.2	81.4	78.9	71.5	366	542	1981	3907	60	200	1474	30939	12300	13050
4500	3360	745	630E-200R	96.6	96.5	95.3	81.4	78.4	70.4	411	575	2362	4395	70	210	1696	33914	13400	14150
5000	3750	744	630E-200R	96.6	96.5	95.3	81.7	79.4	72.2	455	537	2442	4890	60	190	1739	36890	13500	14250
5500	4100	745	630E-200R	96.6	96.5	95.3	81.9	79.5	72.2	499	553	2760	5372	70	200	1928	39488	14450	15200
6000	4500	744	710D-220R	96.7	96.6	95.4	85.1	82.9	76.5	523	586	3067	5868	60	200	2523	42252	18550	19450
6500	4850	744	710E-220R	96.7	96.6	95.4	85.4	83.5	77.7	565	568	3209	6357	60	220	2703	44768	19550	20450
7000	5200	744	710E-220R	96.7	96.6	95.4	86.0	84.0	77.8	604	605	3656	6846	70	200	2838	47181	20000	20900
7500	5600	744	800B-260V	96.8	96.7	95.5	84.7	82.3	75.5	657	534	3507	7335	50	220	2656	49497	22400	22600
8000	6000	744	800C-260V	96.8	96.7	95.5	85.1	82.9	76.2	697	540	3765	7824	60	200	2898	51717	23900	24100
9000	6700	744	800D-260V	96.8	96.7	95.5	84.9	82.6	75.8	786	536	4214	8802	60	220	3049	55890	25100	25300
10000	7500	744	900B-260V	96.9	96.8	95.6	84.1	82.2	76.1	881	529	4660	9780	50	200	4181	59723	27600	27800
11000	8200	745	900B-260V	97.0	96.9	95.7	84.4	82.6	76.6	965	531	5122	10743	50	200	4575	63000	28600	28800
12000	8950	745	900C-280V	97.0	96.9	95.7	84.7	83.1	77.4	1048	536	5620	11720	50	200	5097	66197	31000	31200
13000	9700	745	900D-280V	97.1	97	95.8	84.4	82.2	75.7	1139	573	6525	12696	60	210	5495	69108	33000	33200

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 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

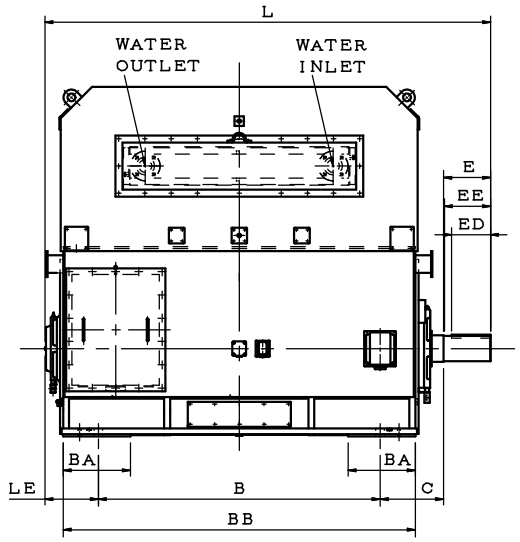
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
355C	6P	710	85	790	900	280	1200	254	35	M24		1035	355	40	1783	1629	265	110	210	200	100	160	28	116	6324	6320	355C
355D	2P	710	85	790	1000	280	1300	254	35	M24		1036	355	40	1783	1663	239	85	170	157	76	140	22	90	6218C3	6315C3	355D
	4P, 6P, 8P											1035				1729	265	110	210	200	100	160	28	116	6324	6320	
355E	2P	710	85	790	1120	280	1420	254	35	M24		1036	355	40	1783	1783	239	85	170	157	76	140	22	90	6218C3	6315C3	355E
355E	4P	710	85	790	1120	280	1420	254	35	M24		1035	355	40	1783	1849	265	110	210	200	100	160	28	116	6324	6320	355E
400B	6P, 8P	800	95	900	900	355	1260	280	42	M30		1086	400	40	1883	1673	283	125	210	202	114	160	32	132	6326	6322	400B
400C	6P, 8P	800	95	900	1000	355	1360	280	42	M30	LATER	1086	400	40	1883	1773	283	125	210	202	114	160	32	132	6326	6322	400C
400D	2P	800	95	900	1120	355	1480	280	42	M30		1089	400	40	1883	1839	269	85	170	157	76	140	22	90	6218C3	6315C3	400D
400D	4P 6P, 8P	800	95	900	1120	355	1480	280	42	M30		1086	400	40	1883	1893	283	125	210	202	114	160	32	132	6326	6322	400D
450B	4P 6P, 8P	900	100	990	1000	380	1420	315	42	M30		1156	450	40	2003	1884	319	140	250	240	128	200	36	148	6330	6326	450B
450C	4P, 8P	900	100	990	1120	380	1540	315	42	M30		1156	450	40	2003	2004	319	140	250	240	128	200	36	148	6330	6326	450C
450D	4P 6P, 8P	900	100	990	1250	380	1670	315	42	M30		1156	450	40	2003	2134	319	140	250	240	128	200	36	148	6330	6326	450D

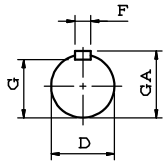
1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=±
3. TOLERANCE OF KEY WIDTH F=h9.
4. USABLE SHAFT LENGTH:EE
5. ANTI-FRICTION BEARINGS.

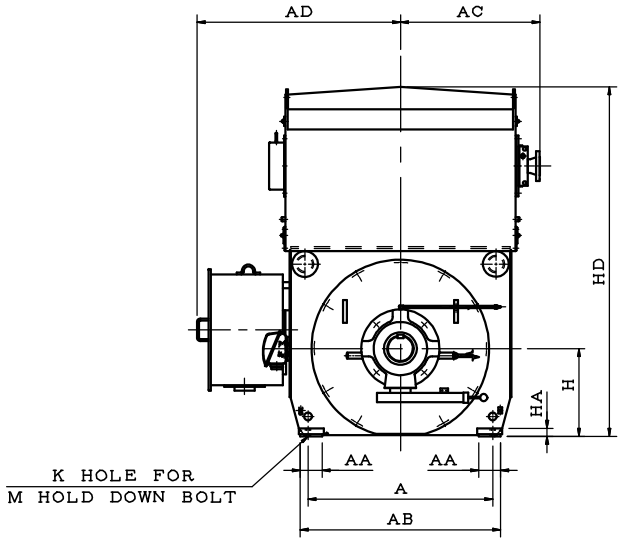
OUTLINE DIMENSIONS SHEET

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

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







DIMENSIONS IN MM

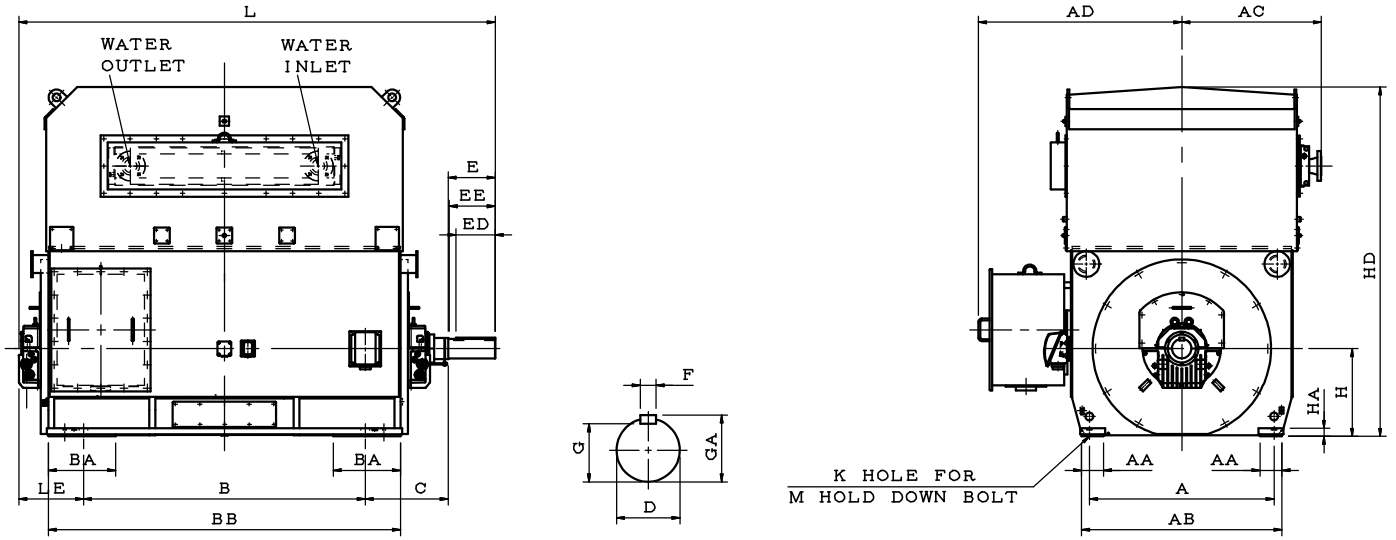
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
500B	6P, 8P	1000	140	1150	1120	405	1570	335	48	M36	LATER	1226	500	40	2113	2113	358	160	300	290	147	250	40	169	6334	6330	500B
500C	6P, 8P	1000	140	1150	1250	405	1700	335	48	M36		1226	500	40	2113	2243	358	180	300	290	165	250	45	190	6338	6330	500C
500D	6P, 8P	1000	140	1150	1400	405	1850	335	48	M36		1226	500	40	2113	2393	358	180	300	290	165	250	45	190	6338	6330	500D
560B	8P	1180	140	1280	1250	430	1700	355	55	M42		1296	560	53	2233	2263	358	180	300	290	165	250	45	190	6338	6334	560B
560C	6P, 8P	1180	140	1280	1400	430	1850	355	55	M42		1296	560	53	2233	2413	358	180	300	290	165	250	45	190	6338	6334	560C
560D	6P, 8P	1180	140	1280	1600	430	2050	355	55	M42		1296	560	53	2233	2613	358	180	300	290	165	250	45	190	6338	6334	560D
630C	6P	1250	160	1400	1600	480	2100	450	55	M42		1349	630	58	2408	2709	384	200	350	337	185	280	45	210	NU244 +6044	NU238	630C
630D	6P, 8P	1250	160	1400	1800	480	2300	450	55	M42		1349	630	58	2408	2909	384	200	350	337	185	280	45	210	NU244 +6044	NU238	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
710C	8P	1400	180	1570	1800	520	2350	475	55	M42		1499	710	50	2643	3015	390	220	350	337	203	280	50	231	NU248 +6048	NU244	710C
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=$^{0}_{-1}$
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)355C-710E

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



DIMENSIONS IN MM

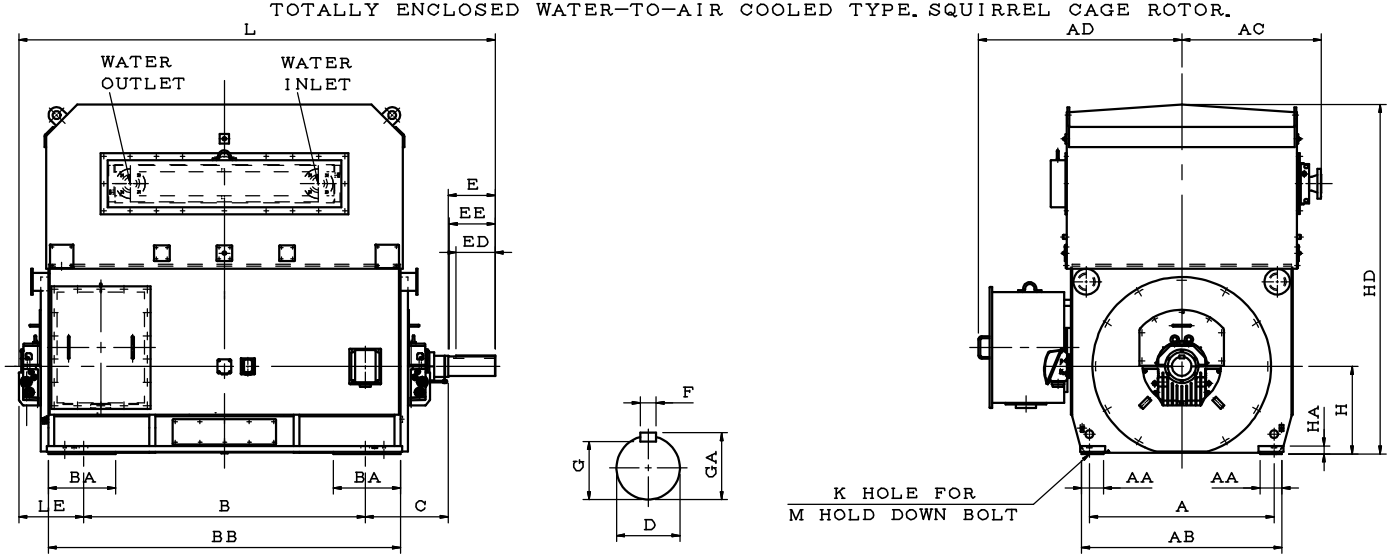
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
355C	6P	710	85	790	900	280	1200	355	35	M24		1035	355	40	1783	1734	309	95	170	164	86	140	25	100	9S/ 90	9S/ 80	355C
355D	2P	710	85	790	1000	280	1300	355	35	M24		1036	355	40	1783	1847	322	85	170	164	76	140	22	90	9S/ 80	9S/ 80	355D
	4P											1035				1834	309	95	170	164	86	140	25	100	9S/100	9S/ 80	
	6P, 8P											1035				1834	309	95	170	164	86	140	25	100	9S/ 90	9S/ 80	
355E	2P	710	85	790	1120	280	1420	355	35	M24		1036	355	40	1783	1967	322	85	170	164	76	140	22	90	9S/ 80	9S/ 80	355E
	4P											1035				1954	309	95	170	164	86	140	25	100	9S/100	9S/ 80	
400B	6P, 8P	800	95	900	900	355	1260	400	42	M30		1086	400	40	1883	1828	318	110	210	204	100	160	28	116	11/110	9 / 80	400B
400C	6P, 8P	800	95	900	1000	355	1360	400	42	M30		1086	400	40	1883	1928	318	110	210	204	100	160	28	116	11/110	9 / 80	400C
400D	2P	800	95	900	1120	355	1480	400	42	M30	LATER	1089	400	40	1883	2042	352	95	170	164	86	140	25	100	9S/ 90	9S/ 80	400D
	4P, 6P, 8P											1086				2048	318	110	210	204	100	160	28	116	11/110	9 / 80	
400E	2P	800	95	900	1250	355	1610	400	42	M30		1089	400	40	1883	2172	352	95	170	164	86	140	25	100	9S/ 90	9S/ 80	400E
450B	4P 6P, 8P	900	100	990	1000	380	1420	450	42	M30		1156	450	40	2003	2070	370	140	250	244	128	200	36	148	14/140	11/125	450B
450C	4P, 8P	900	100	990	1120	380	1540	450	42	M30		1156	450	40	2003	2190	370	140	250	244	128	200	36	148	14/140	11/125	450C
450D	4P 6P, 8P	900	100	990	1250	380	1670	450	42	M30		1156	450	40	2003	2320	370	140	250	244	128	200	36	148	14/140	11/125	450D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$
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, F#710:710

OUTLINE DIMENSIONS SHEET

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

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



DIMENSIONS IN MM

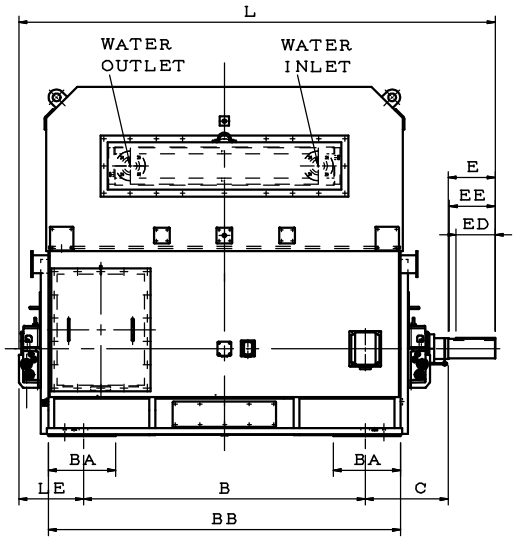
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
500B	6P, 8P	1000	140	1150	1120	405	1570	500	48	M36	LATER	1226	500	40	2113	2311	391	160	300	294	147	250	40	169	14/160	11/125	500B
500C	6P, 8P	1000	140	1150	1250	405	1700	500	48	M36		1226	500	40	2113	2441	391	160	300	294	147	250	40	169	14/160	11/125	500C
500D	6P, 8P	1000	140	1150	1400	405	1850	500	48	M36		1226	500	40	2113	2591	391	160	300	294	147	250	40	169	14/160	11/125	500D
560B	8P	1180	140	1280	1250	430	1700	530	55	M42		1296	560	53	2233	2496	416	180	300	287	165	250	45	190	18/180	14/140	560B
560C	6P, 8P	1180	140	1280	1400	430	1850	530	55	M42		1296	560	53	2233	2646	416	180	300	287	165	250	45	190	18/180	14/140	560C
560D	6P, 8P	1180	140	1280	1600	430	2050	530	55	M42		1296	560	53	2233	2846	416	180	300	287	165	250	45	190	18/180	14/140	560D
630C	6P	1250	160	1400	1600	480	2100	560	55	M42		1349	630	58	2408	2988	478	200	350	337	185	280	45	210	18/200	18/180	630C
630D	6P, 8P	1250	160	1400	1800	480	2300	560	55	M42		1349	630	58	2408	3188	478	200	350	337	185	280	45	210	18/200	18/180	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
710C	8P	1400	180	1570	1800	520	2350	600	55	M42		1499	710	50	2643	3263	513	220	350	337	203	280	50	231	18/225	18/200	710C
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

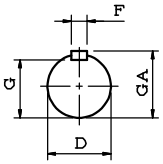
1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=
3. TOLERANCE OF KEY WIDTH F=h9.
4. USABLE SHAFT LENGTH:EE
5. SLEEVE BEARINGS SELF LUBRICATION(NATURAL COOLING).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F##355:450, F##400:500, F##450:530, F##500:600, F##560:630, F##630:670, F##710:710

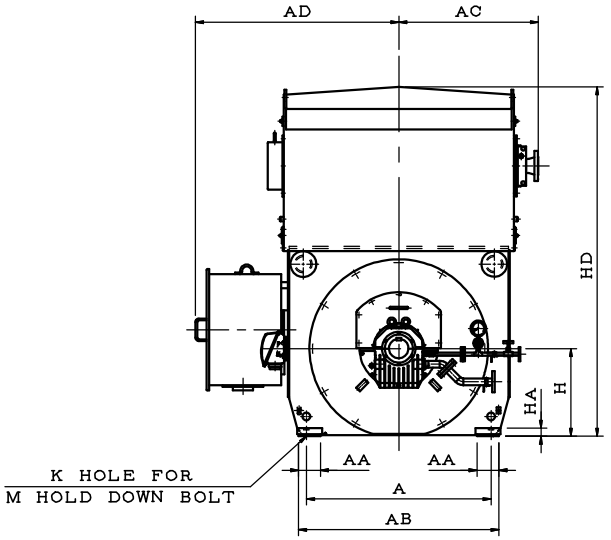
OUTLINE DIMENSIONS SHEET

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

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







DIMENSIONS IN MM

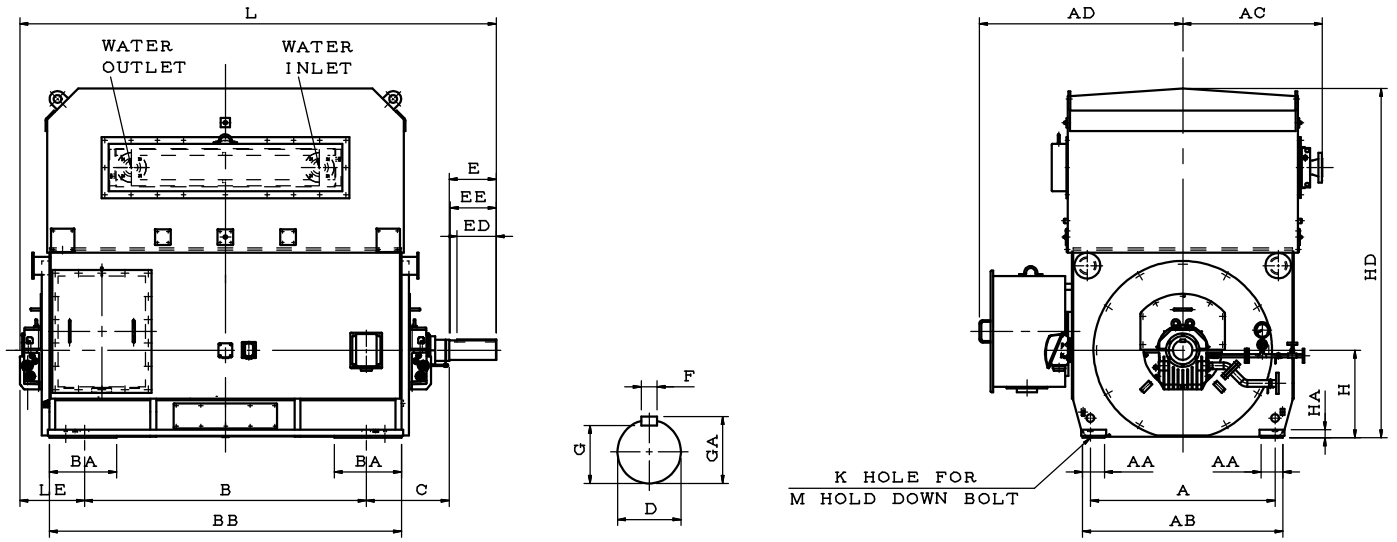
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
450D	2P	900	100	990	1250	380	1670	450	42	M30	LATER	1159	450	40	2003	2283	373	110	210	204	100	160	28	116	11/110	9/ 80	450D
450E	2P	900	100	990	1400	380	1820	450	42	M30		1159	450	40	2003	2433	373	110	210	204	100	160	28	116	11/110	9/ 80	450E
500C	4P	1000	140	1150	1250	405	1700	500	48	M36		1226	500	40	2113	2441	391	160	300	294	147	250	40	169	14/160	11/125	500C
500D	2P	1000	140	1150	1400	405	1850	500	48	M36		1229	500	40	2113	2513	403	125	210	204	114	160	32	132	11/125	11/110	500D
	4P											1226				2591	391	160	300	294	147	250	40	169	14/160	11/125	
500E	2P	1000	140	1150	1600	405	2050	500	48	M36		1229	500	40	2113	2713	403	125	210	204	114	160	32	132	11/125	11/110	500E
560C	4P	1180	140	1280	1400	430	1850	530	55	M42		1296	560	53	2233	2646	416	180	300	287	165	250	45	190	18/180	14/140	560C
560D	2P	1180	140	1280	1600	430	2050	530	55	M42		1299	560	53	2233	2753	413	125	210	204	114	160	32	132	14/125	11/110	560D
	4P											1296				2846	416	180	300	287	165	250	45	190	18/180	14/140	

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$ FOR F#630 & BELOW, H=$^{0}_{-1.5}$ FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH F=h9.
4. **USABLE SHAFT LENGTH:EE**
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710, F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET

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

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



DIMENSIONS IN MM

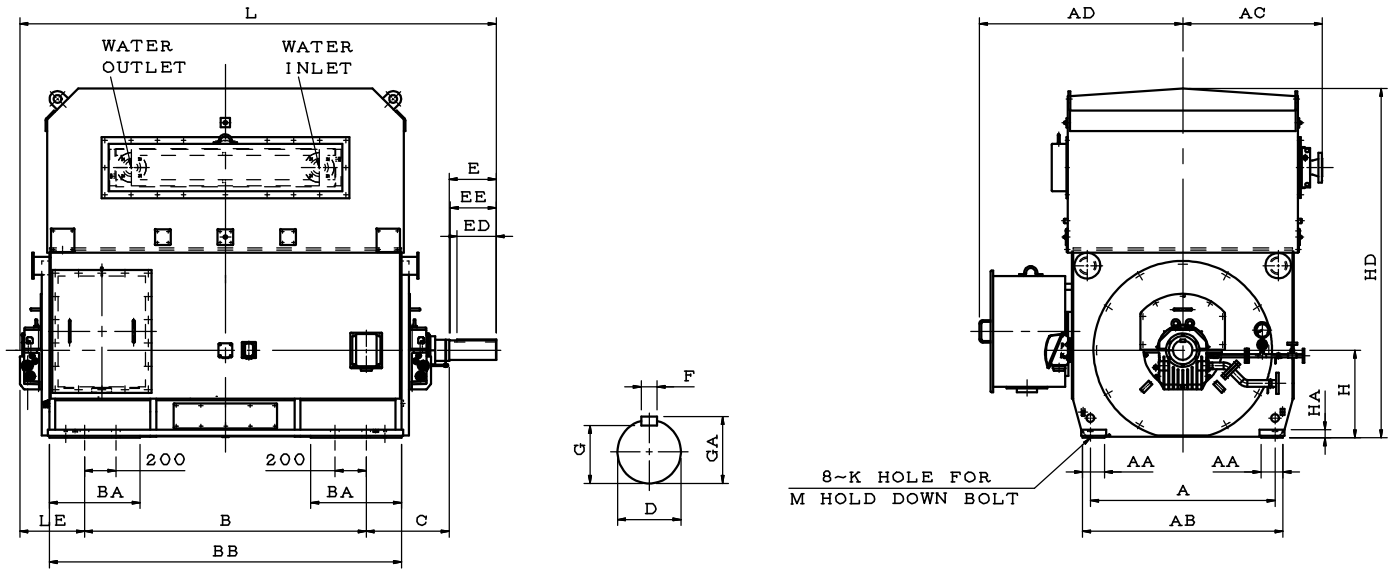
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
630C	4P	1250	160	1400	1600	480	2100	560	55	M42		1349	630	58	2408	2988	478	200	350	337	185	280	45	210	18/200	18/180	630C
630D	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				3188	478	200	350	337	185	280	45	210	18/200	18/180	
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	
710C	4P	1400	180	1570	1800	520	2350	600	55	M42		1499	710	50	2643	3263	513	220	350	337	203	280	50	231	18/225	18/200	710C
710D	4P, 6P	1400	180	1570	2000	520	2550	600	55	M42	LATER	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	4P	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
	6P, 8P																										
800D	4P	1700	220	1900	2240	600	2700	630	55	M42		1795	800	65	2833	3788	508	240	410	397	220	360	56	252	22/250	22/225	800D
	6P, 8P																	260	410	397	240	360	56	252	22/250	22/225	

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$ FOR F#630 & BELOW, H=$^{0}_{-1.5}$ FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH F=h9.
4. USABLE SHAFT LENGTH:EE
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710, F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET

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

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



DIMENSIONS IN MM

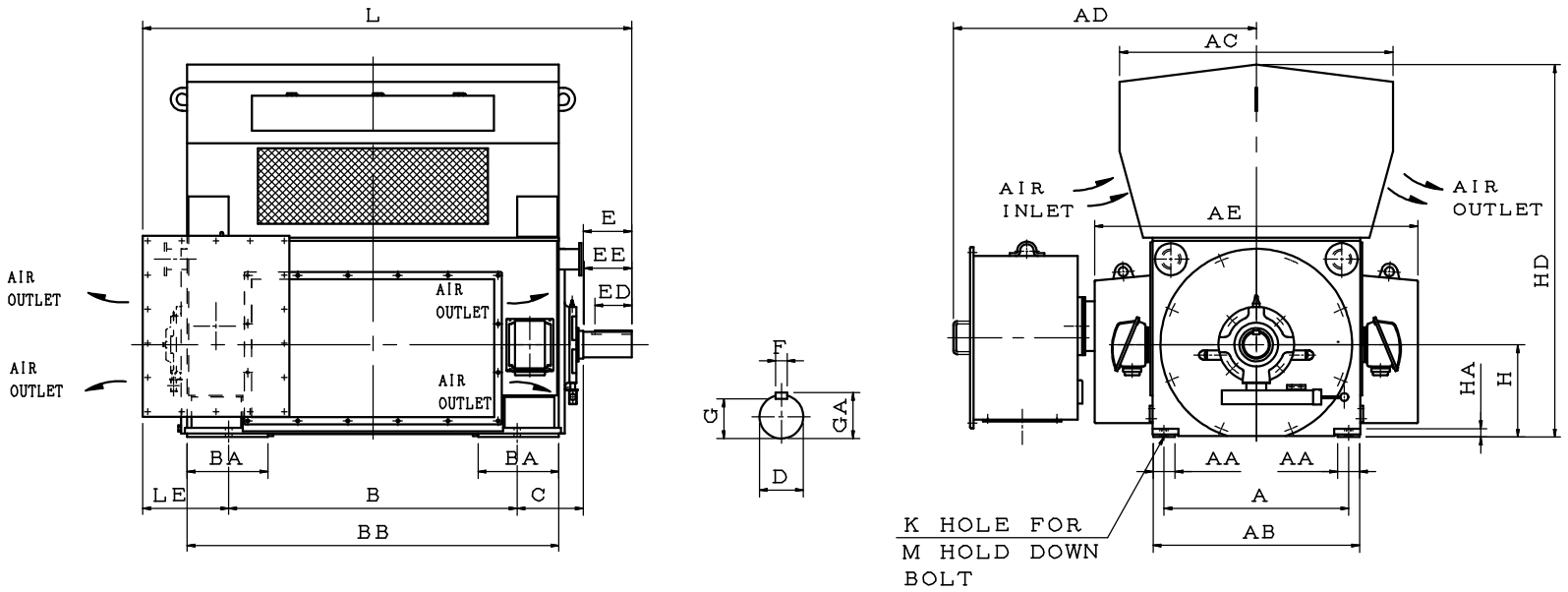
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M								D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
900B	4P	1800	220	1995	2000	600	2600	670	55	M42	LATER	1894	900	65	3183	3663	583	240	410	397	220	360	56	252	22/250	22/225	900B
	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															3913		280	470	457	260	400	63	292	22/280	22/250	
900D	6P&8P	1800	220	1995	2500	600	3000	670	55	M42		1894	900	65	3183	4173	533	280	470	457	260	400	63	292	22/280	22/250	900D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$ FOR F#630 & BELOW, H=$^{0}_{-1.5}$ FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH F=h9.
4. USABLE SHAFT LENGTH:EE
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710, F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET

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

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



DIMENSIONS IN MM

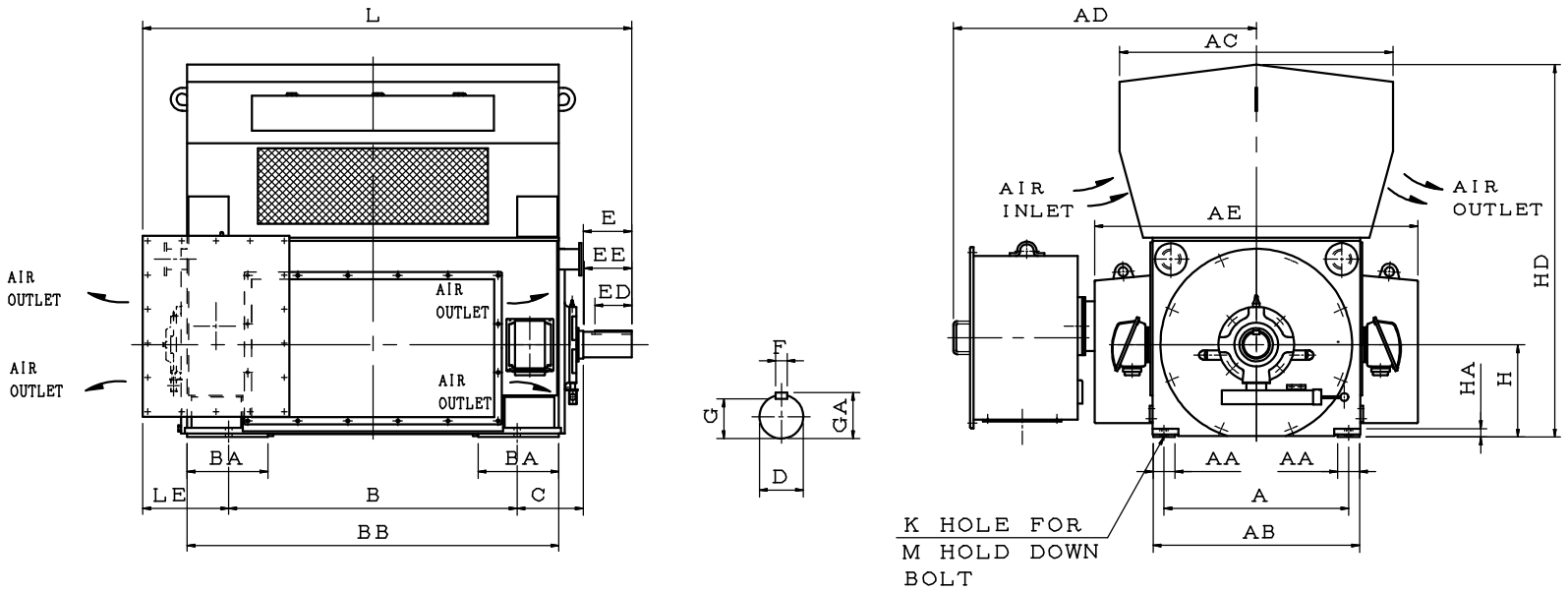
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
355C	6P	710	85	790	900	280	1200	254	35	M24	1081	1100	990	355	37	1360	1716	352	110	210	200	100	160	28	116	6324	6320	355C
355D	2P	710	85	790	1000	280	1300	254	35	M24	1081	1100	990	355	37	1360	1776	352	85	170	157	76	140	22	90	6218C3	6315C3	355D
355D	4P, 6P&8P	710	85	790	1000	280	1300	254	35	M24	1081	1100	990	355	37	1360	1816	352	110	210	200	100	160	28	116	6324	6320	355D
355E	2P	710	85	790	1120	280	1420	254	35	M24	1081	1100	990	355	37	1360	1896	352	85	170	157	76	140	22	90	6218C3	6315C3	355E
355E	4P	710	85	790	1120	280	1420	254	35	M24	1081	1100	990	355	37	1360	1936	352	110	210	200	100	160	28	116	6324	6320	355E
400B	6P&8P	800	95	900	900	355	1260	280	42	M30	1185	1150	1110	400	37	1610	1762	372	125	210	202	114	160	32	132	6326	6322	400B
400C	6P&8P	800	95	900	1000	355	1360	280	42	M30	1185	1150	1110	400	37	1610	1862	372	125	210	202	114	160	32	132	6326	6322	400C
400D	2P	800	95	900	1120	355	1480	280	42	M30	1185	1150	1110	400	37	1610	1942	372	85	170	157	76	140	22	90	6218C3	6315C3	400D
400D	4P, 6P&8P	800	95	900	1120	355	1480	280	42	M30	1185	1150	1110	400	37	1610	1982	372	125	210	202	114	160	32	132	6326	6322	400D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=±
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

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



DIMENSIONS IN MM

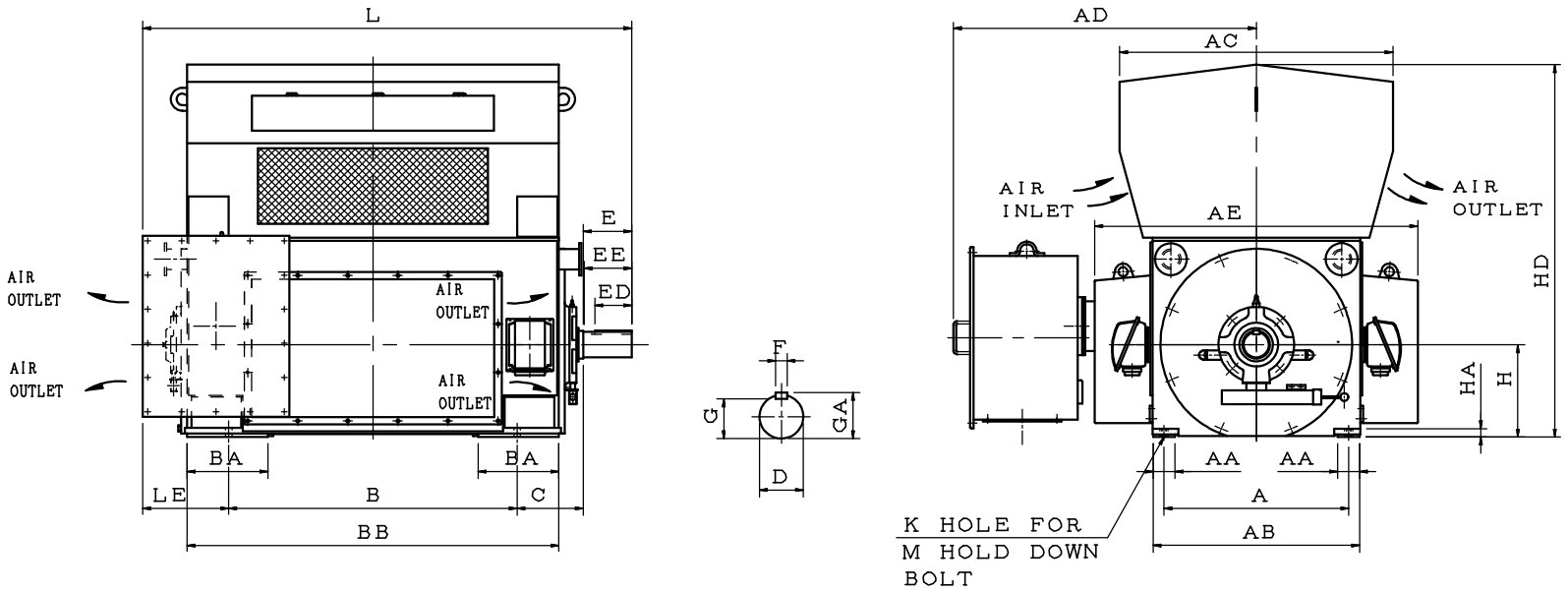
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
450B	4P, 6P&8P	900	100	990	1000	380	1420	315	42	M30	1290	1220	1240	450	37	1712	1942	377	140	250	240	128	200	36	148	6330	6326	450B
450C	4P&8P	900	100	990	1120	380	1540	315	42	M30	1290	1220	1240	450	37	1712	2062	377	140	250	240	128	200	36	148	6330	6326	450C
450D	4P, 6P&8P	900	100	990	1250	380	1670	315	42	M30	1290	1220	1240	450	37	1712	2192	377	140	250	240	128	200	36	148	6330	6326	450D
500B	6P&8P	1000	140	1150	1120	405	1570	335	48	M36	1475	1300	1400	500	37	1940	2137	382	160	300	290	147	250	40	169	6334	6330	500B
500C	6P&8P	1000	140	1150	1250	405	1700	335	48	M36	1475	1300	1400	500	37	1940	2267	382	180	300	290	165	250	45	190	6338	6330	500C
500D	6P&8P	1000	140	1150	1400	405	1850	335	48	M36	1475	1300	1400	500	37	1940	2417	382	180	300	290	165	250	45	190	6338	6330	500D
560B	8P	1180	140	1280	1250	430	1700	355	55	M42	1675	1370	1540	560	51	2140	2247	342	180	300	290	165	250	45	190	6338	6334	560B
560C	6P&8P	1180	140	1280	1400	430	1850	355	55	M42	1675	1370	1540	560	51	2140	2397	342	180	300	290	165	250	45	190	6338	6334	560C
560D	6P&8P	1180	140	1280	1600	430	2050	355	55	M42	1675	1370	1540	560	51	2140	2597	342	180	300	290	165	250	45	190	6338	6334	560D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=±
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

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



DIMENSIONS IN MM

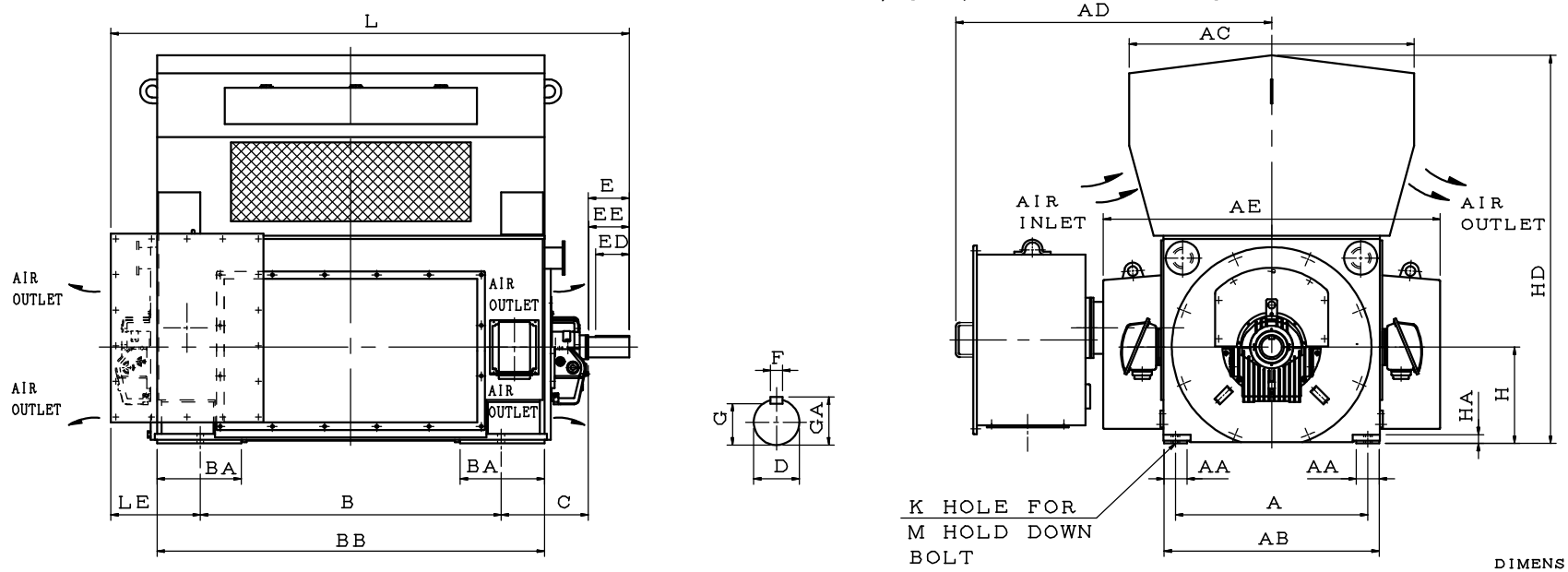
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
630C	6P	1250	160	1400	1600	480	2100	450	55	M42	1750	1420	1640	630	58	2568	2802	477	200	350	337	185	280	45	210	NU244 +6044	NU238	630C
630D	6P&8P	1250	160	1400	1800	480	2300	450	55	M42	1750	1420	1640	630	58	2568	3002	477	200	350	337	185	280	45	210	NU244 +6044	NU238	630D
630E	6P&8P	1250	160	1400	2000	480	2500	450	55	M42	1750	1420	1640	630	58	2568	3202	477	200	350	337	185	280	45	210	NU244 +6044	NU238	630E
710C	8P	1400	180	1570	1800	520	2350	475	55	M42	2150	1550	1890	710	50	2973	3127	502	220	350	337	203	280	50	231	NU248 +6048	NU244	710C
710D	6P&8P	1400	180	1570	2000	520	2550	475	55	M42	2150	1550	1890	710	50	2973	3327	502	220	350	337	203	280	50	231	NU248 +6048	NU244	710D
710E	6P&8P	1400	180	1570	2240	520	2700	475	55	M42	2150	1550	1890	710	50	2973	3522	457	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=±
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

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



DIMENSIONS IN MM

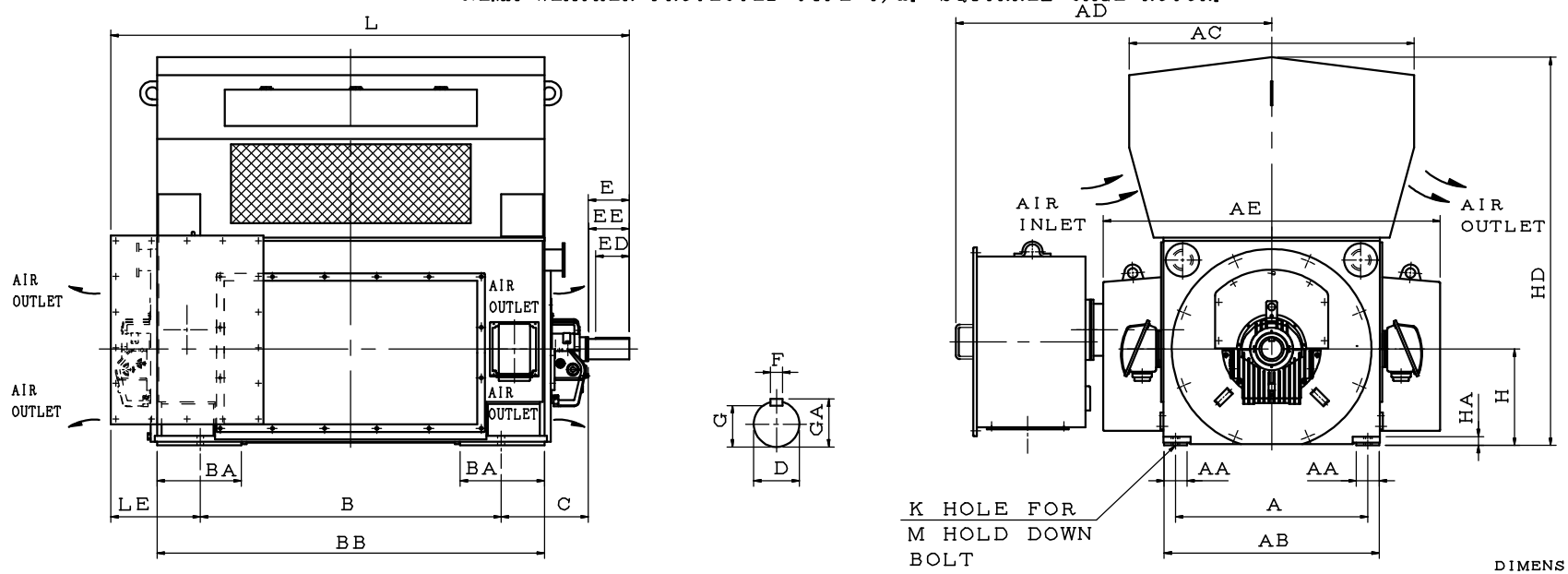
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
355C	6P	710	85	790	900	280	1200	355	35	M24	1081	1100	990	355	37	1360	1777	352	95	170	164	86	140	25	100	9S/90	9S/80	355C
355D	2P	710	85	790	1000	280	1300	355	35	M24	1081	1100	990	355	37	1360	1877	352	85	170	164	76	140	22	90	9S/80	9S/80	355D
355D	4P	710	85	790	1000	280	1300	355	35	M24	1081	1100	990	355	37	1360	1877	352	95	170	164	86	140	25	100	9S/100	9S/80	355D
	6P&8P																									9S/90	9S/80	
355E	2P	710	85	790	1120	280	1420	355	35	M24	1081	1100	990	355	37	1360	1997	352	85	170	164	76	140	22	90	9S/80	9S/80	355E
	4P																		95	170	164	86	140	25	100	9S/100	9S/80	
400B	6P&8P	800	95	900	900	355	1260	400	42	M30	1185	1150	1110	400	37	1610	1882	372	110	210	204	100	160	28	116	11/110	9/80	400B
400C	6P&8P	800	95	900	1000	355	1360	400	42	M30	1185	1150	1110	400	37	1610	1982	372	110	210	204	100	160	28	116	11/110	9/80	400C
400D	2P	800	95	900	1120	355	1480	400	42	M30	1185	1150	1110	400	37	1610	2062	372	95	170	164	86	140	25	100	9S/90	9S/80	400D
400D	4P, 6P&8P	800	95	900	1120	355	1480	400	42	M30	1185	1150	1110	400	37	1610	2102	372	110	210	204	100	160	28	116	11/110	9/80	400D
400E	2P	800	95	900	1250	355	1610	400	42	M30	1185	1150	1110	400	37	1610	2192	372	95	170	164	86	140	25	100	9S/90	9S/80	400E
450B	4P, 6P&8P	900	100	990	1000	380	1420	450	42	M30	1290	1220	1240	450	37	1712	2077	377	140	250	244	128	200	36	148	14/140	11/125	450B
450C	4P&8P	900	100	990	1120	380	1540	450	42	M30	1290	1220	1240	450	37	1712	2197	377	140	250	244	128	200	36	148	14/140	11/125	450C
450D	4P, 6P&8P	900	100	990	1250	380	1670	450	42	M30	1290	1220	1240	450	37	1712	2327	377	140	250	244	128	200	36	148	14/140	11/125	450D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$
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, F#710:710

OUTLINE DIMENSIONS SHEET

3—PHASE INDUCTION MOTOR
FRAME NO. (EZ)355C—710E

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



DIMENSIONS IN MM

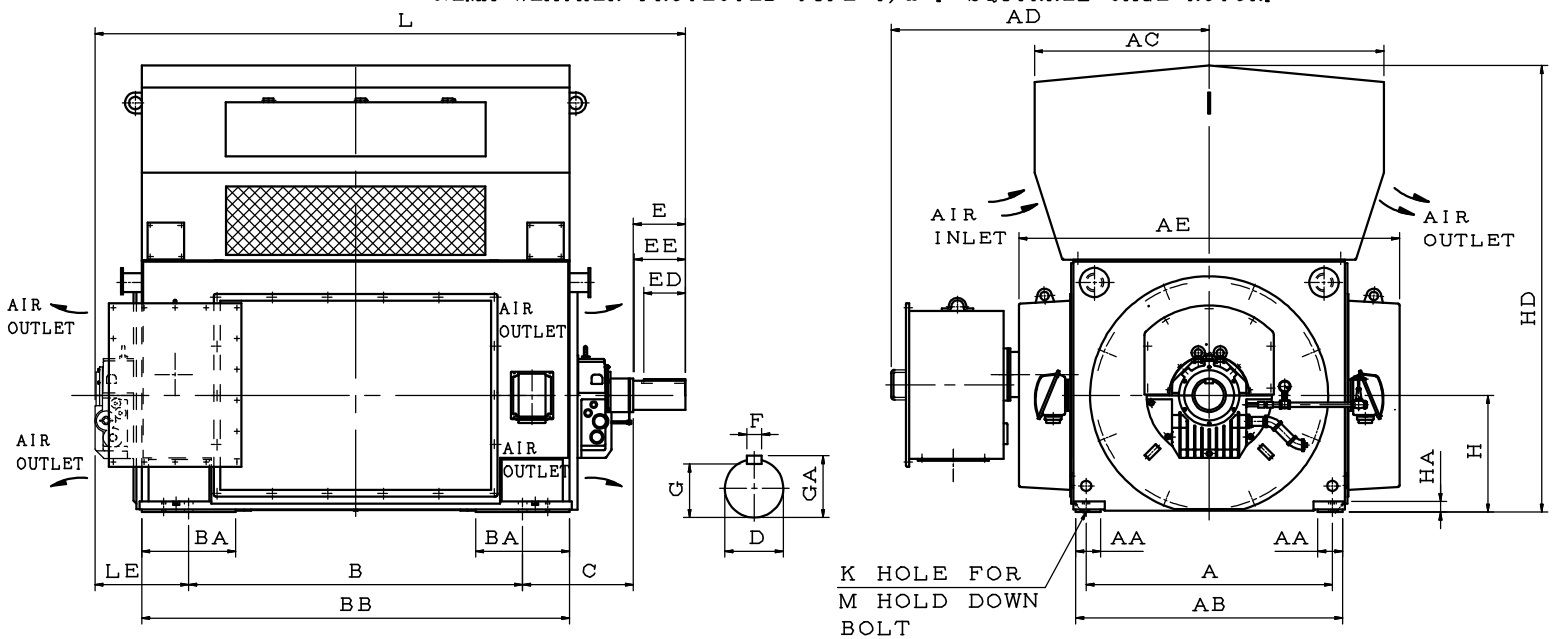
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
500B	6P&8P	1000	140	1150	1120	405	1570	500	48	M36	1475	1300	1400	500	37	1940	2323	403	160	300	294	147	250	40	169	14/160	11/125	500B
500C	6P&8P	1000	140	1150	1250	405	1700	500	48	M36	1475	1300	1400	500	37	1940	2453	403	160	300	294	147	250	40	169	14/160	11/125	500C
500D	6P&8P	1000	140	1150	1400	405	1850	500	48	M36	1475	1300	1400	500	37	1940	2603	403	160	300	294	147	250	40	169	14/160	11/125	500D
560B	8P	1180	140	1280	1250	430	1700	530	55	M42	1675	1370	1540	560	51	2140	2508	428	180	300	287	165	250	45	190	18/180	14/140	560B
560C	6P&8P	1180	140	1280	1400	430	1850	530	55	M42	1675	1370	1540	560	51	2140	2658	428	180	300	287	165	250	45	190	18/180	14/140	560C
560D	6P&8P	1180	140	1280	1600	430	2050	530	55	M42	1675	1370	1540	560	51	2140	2858	428	180	300	287	165	250	45	190	18/180	14/140	560D
630D	6P&8P	1250	160	1400	1800	480	2300	560	55	M42	1750	1420	1640	630	58	2568	3188	478	200	350	337	185	280	45	210	18/200	18/180	630D
630E	6P&8P	1250	160	1400	2000	480	2500	560	55	M42	1750	1420	1640	630	58	2568	3388	478	200	350	337	185	280	45	210	18/200	18/180	630E
710C	8P	1400	180	1570	1800	520	2350	600	55	M42	2150	1550	1890	710	50	2973	3263	513	220	350	337	203	280	50	231	18/225	18/200	710C
710D	8P	1400	180	1570	2000	520	2550	600	55	M42	2150	1550	1890	710	50	2973	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	2150	1550	1890	710	50	2973	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=$^{0}_{-1}$
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, F#710:710

OUTLINE DIMENSIONS SHEET

3—PHASE INDUCTION MOTOR
FRAME NO. (EZ)355C—710E

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



DIMENSIONS IN MM

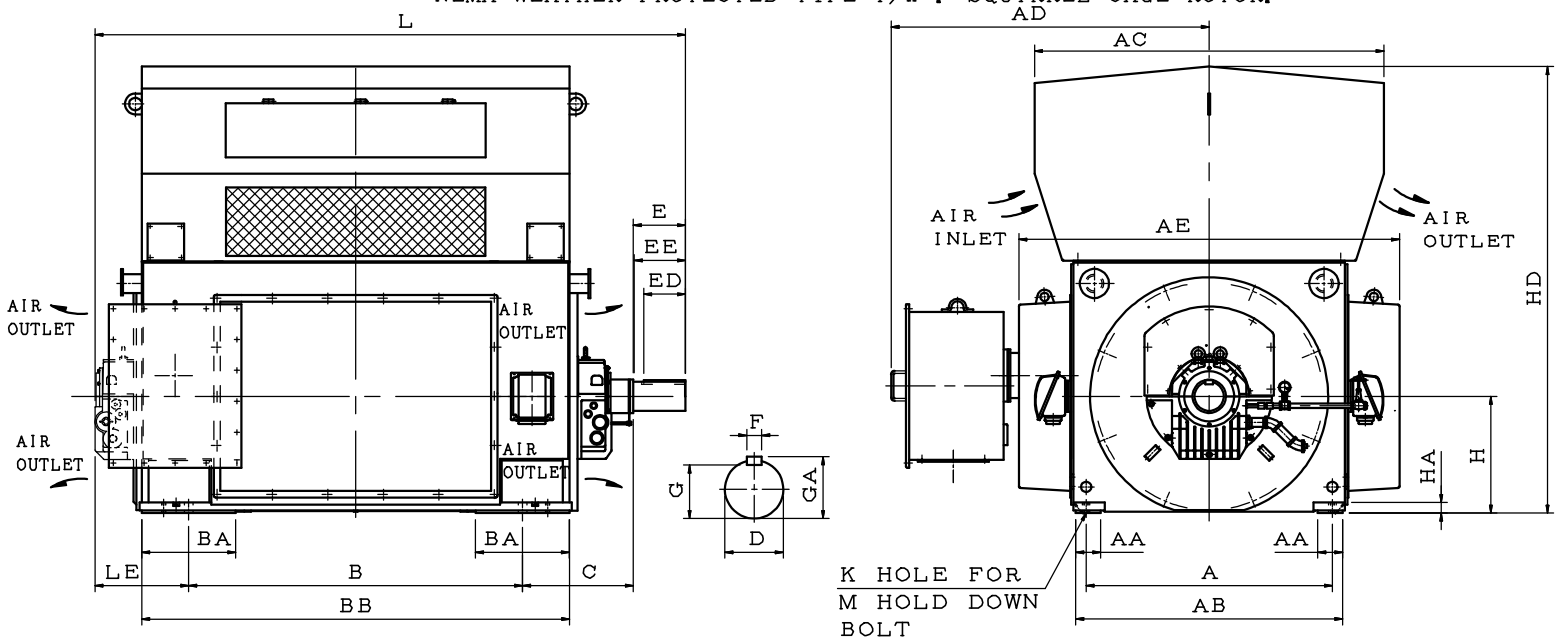
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
450D	2P	900	100	990	1250	380	1670	450	42	M30	1290	1220	1240	450	37	1712	2287	377	110	210	204	100	160	28	116	11/110	9/80	450D
450E	2P	900	100	990	1400	380	1820	450	42	M30	1290	1220	1240	450	37	1712	2437	377	110	210	204	100	160	28	116	11/110	9/80	450E
500C	4P	1000	140	1150	1250	405	1700	500	48	M36	1475	1300	1400	500	37	1940	2453	403	160	300	294	147	250	40	169	14/160	11/125	500C
500D	2P	1000	140	1150	1400	405	1850	500	48	M36	1475	1300	1400	500	37	1940	2513	403	125	210	204	114	160	32	132	11/125	11/110	500D
	4P																2603		160	300	294	147	250	40	169	14/160	11/125	
500E	2P	1000	140	1150	1600	405	2050	500	48	M36	1475	1300	1400	500	37	1940	2713	403	125	210	204	114	160	32	132	11/125	11/110	500E
560C	4P	1180	140	1280	1400	430	1850	530	55	M42	1675	1370	1540	560	51	2140	2658	428	180	300	287	165	250	45	190	18/180	14/140	560C
560D	2P	1180	140	1280	1600	430	2050	530	55	M42	1675	1370	1540	560	51	2140	2743	403	125	210	204	114	160	32	132	14/125	11/110	560D
	4P																2858	428	180	300	287	165	250	45	190	18/180	14/140	

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$ FOR F#630 & BELOW, H=$^{0}_{-1.5}$ FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH F=h9.
4. USABLE SHAFT LENGTH:EE
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710 F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET

3—PHASE INDUCTION MOTOR
FRAME NO. (EZ)450D—900D

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



DIMENSIONS IN MM

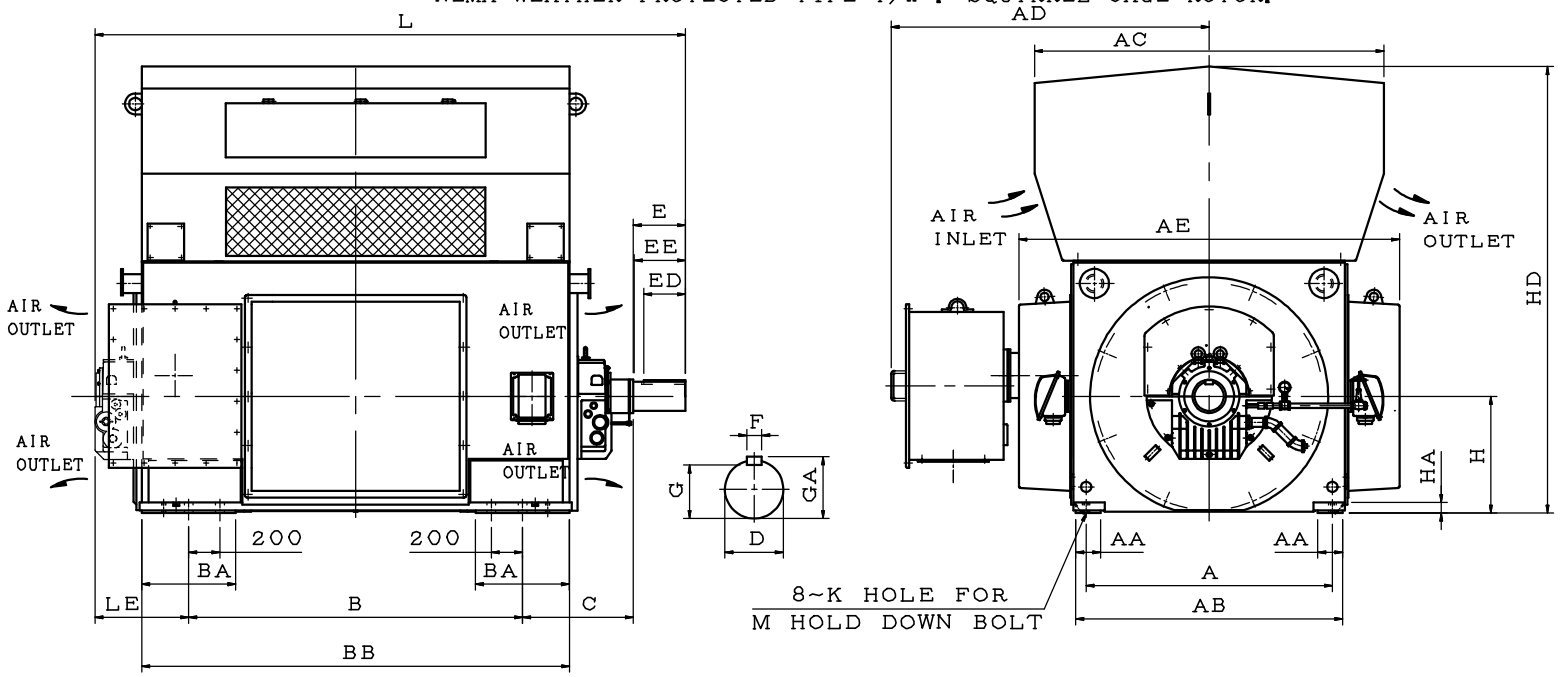
FRAME NO.	NO. OF POLES	MOUNTING									AC	AD	AE	H	HA	HD	L	LE	SHAFT EXTENSION				KEY SIZE			BEARING		FRAME NO.
		A	AA	AB	B	BA	BB	C	K	M									D	E	EE	G	ED	F	GA	DRIVE END	OPP. D END	
630C	4P	1250	160	1400	1600	480	2100	560	55	M42	1750	1420	1640	630	58	2568	2988	478	200	350	337	185	280	45	210	18/200	18/180	630C
630D	2P	1250	160	1400	1800	480	2300	560	55	M42	1750	1420	1640	630	58	2568	3093	483	140	250	244	128	200	36	148	14/140	14/125	630D
	4P																3188	478	200	350	337	185	280	45	210	18/200	18/180	
630E	2P	1250	160	1400	2000	480	2500	560	55	M42	1750	1420	1640	630	58	2568	3293	483	140	250	244	128	200	36	148	14/140	14/125	630E
	4P																3388	478	200	350	337	185	280	45	210	18/200	18/180	
710C	4P	1400	180	1570	1800	520	2350	600	55	M42	2150	1550	1890	710	50	2973	3263	513	220	350	337	203	280	50	231	18/225	18/200	710C
710D	4P&6P	1400	180	1570	2000	520	2550	600	55	M42	2150	1550	1890	710	50	2973	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	2150	1550	1890	710	50	2973	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	2250	1680	2160	800	65	3133	3398	558	240	410	397	220	360	56	252	22/250	22/225	800B
800C	4P, 6P&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	3788	508	240	410	397	220	360	56	252	22/250	22/225	800D
	6P&8P																		260	410	397	240	360	56	272	22/250	22/225	

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$ FOR F#630 & BELOW, H=$^{0}_{-1.5}$ FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH F=h9.
4. **USABLE SHAFT LENGTH:EE**
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710 F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET

3—PHASE INDUCTION MOTOR
FRAME NO. (EZ)450D—900D

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	
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																3913		280	470	457	260	400	63	292	22/280	22/250	
900D	6P&8P	1800	220	1995	2500	600	3000	670	55	M42	2350	1770	2340	900	65	3335	4173	533	280	470	457	260	400	63	292	22/280	22/250	900D

1. TOLERANCE OF SHAFT EXTENSION DIAMETER D=m6.
2. TOLERANCE OF SHAFT CENTER HEIGHT H=$^{0}_{-1}$ FOR F#630 & BELOW, H=$^{0}_{-1.5}$ FOR F#710 & UP.
3. TOLERANCE OF KEY WIDTH F=h9.
4. **USABLE SHAFT LENGTH:EE**
5. SLEEVE BEARINGS (EXTERNAL OIL CIRCULATION).
6. PROVISION FOR NONCONTACTIVE VIBRATION PROBE, DISTANCE OF "C" HAVE TO BE CHANGED F#450:530, F#500:600, F#560:630, F#630:670, F#710:710 F#800:750, F#900:800.

OUTLINE DIMENSIONS SHEET

3—PHASE INDUCTION MOTOR
FRAME NO. (EZ)450D—900D