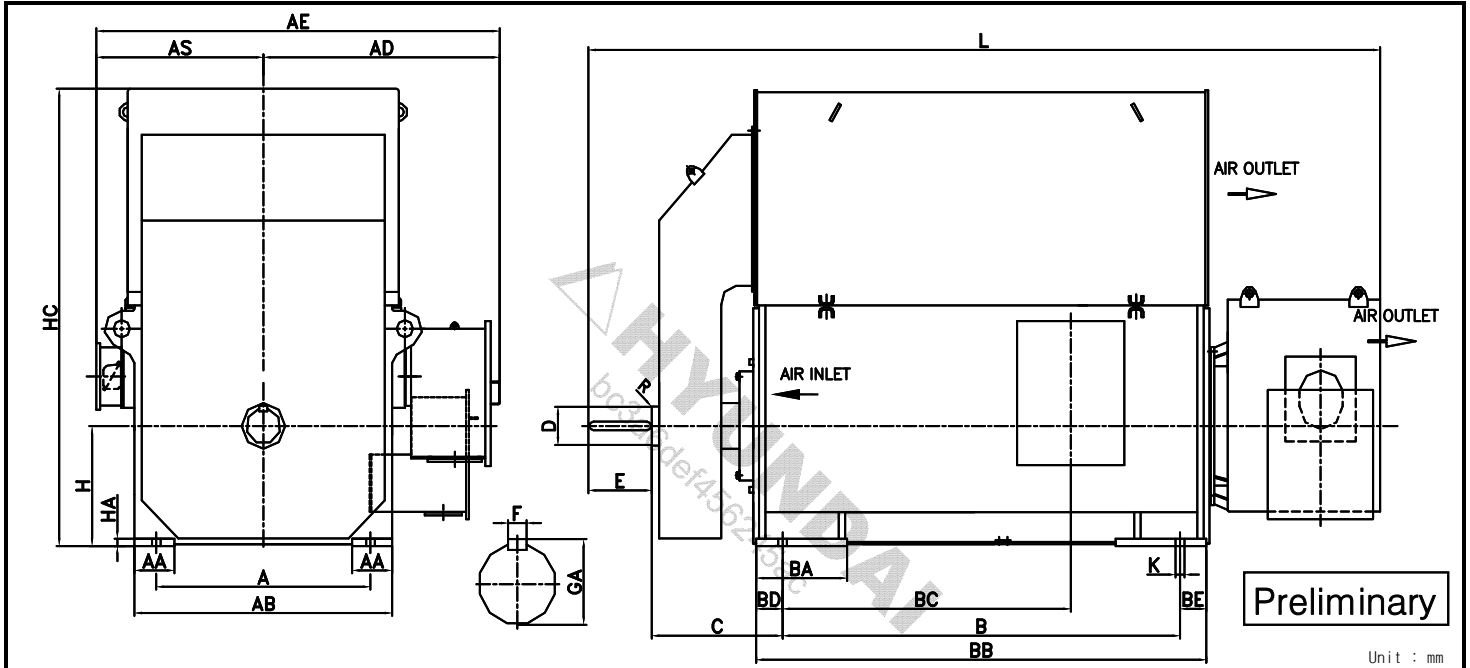


Mounting B3 / Degree of Protection IP54 (3.3kV/60Hz, F/80K, 85~93dB)

Frame	Pole	A	AA	AB	AD	AE	AS	B	BA	BB	BC	BD	BE	C	H	HA	HC	K	L	D	E	F	GA	중량(kg)
503	6	950	160	1120	1410	2225	815	1700	490	1950	1180	125	125	610	500	45	2200	48	3750	170	300	40	179	9,580
505	6																							9,830
507	6							1900		2150	1380								3950					10,290
509	6																							10,640
563	6	1120	160	1280	1510	2415	905	1850	520	2180	1365	165	165	700	560	50	2450	48	4100	190	350	45	200	11,700
565	6							2000		2330	1515								4250					11,900
567	6																							12,250
631	6	1250	190	1420	1575	2550	975	2000	540	2310	1505	155	155	750	630	55	2700	48	4300	220	350	50	231	15,300
633	6																							15,900
635	6							2200		2510	1705								4500					17,100
637	6																							17,700

** Shaft Extention Round

Shaft Dia(mm)	R(mm)
50 to 80	1.6
85 to 120	2.5
130 to 190	4.0

** Tolerances on dimension "A", "B" & "H"

Dimensions	Tolerance
A and B	over 500 up to 750 ± 1.5mm
	over 750 up to 1000 ± 2.0mm
	over 1000 ± 2.5mm
H	over 250 up to 600 - 1.0mm
	over 600 up to 1000 - 1.5mm

- ANSI/ASME B106.1M-1986 -

재질 : SF440A

허용강도(Sf) : 95 Mpa

인장강도 : 440 Mpa

항복강도(Sy) : 225 Mpa

Ka : 0.9(표면계수)

안전율(FS) : 2

Kb : 0.6(축경계수)

비틀림응력집중계수(Kts): 2

Kc : 0.8(신뢰도계수)

굽힘응력집중계수(Kt) : 2

Rev.0(2010.11.09)

- 양방통풍 구조 적용함.

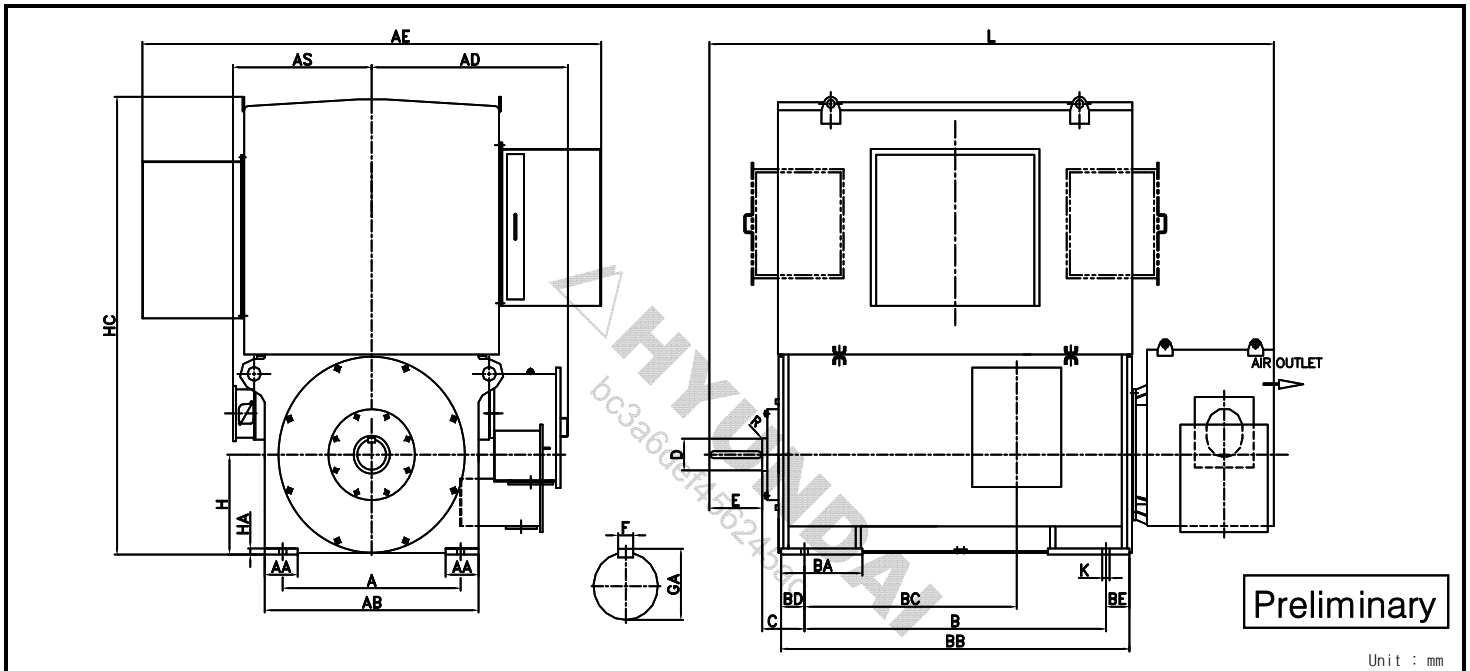
- Anti-friction

- 내부 팬 반부하측에 부착됨

- Brush Holder Cover Ass'y 전폐

- AD 치수는 Main T/Box 3M-093753

사용시 치수임.

Mounting B3 / Degree of Protection IP54 (3.3kV/60Hz, F/80K, 85~93dB)

Unit : mm

Frame	Pole	A	AA	AB	AD	AE	AS	B	BA	BB	BC	BD	BE	C	H	HA	HC	K	L	D	E	F	GA	중량(kg)
503	6	950	160	1120	1410	2820	815	1700	490	1950	1180	125	125	250	500	45	2360	48	3400	170	300	40	179	7,000
505	6																							7,250
507	6							1900		2150	1380								3600					7,500
509	6																							7,850
563	6	1120	160	1280	1510	3000	905	1850	520	2180	1365	165	165	280	560	50	2600	48	3680	190	350	45	200	9,700
565	6							2000		2330	1515								3830					10,200
567	6																							10,650
631	6	1250	190	1420	1575	3140	975	2000	540	2310	1505	155	155	280	630	55	2890	48	3830	220	350	50	231	11,500
633	6																							11,900
635	6							2200		2510	1705								4000					12,700
637	6																							13,200

** Shaft Extention Round

Shaft Dia(mm)	R(mm)
50 to 80	1.6
85 to 120	2.5
130 to 190	4.0

** Tolerances on dimension "A", "B" & "H"

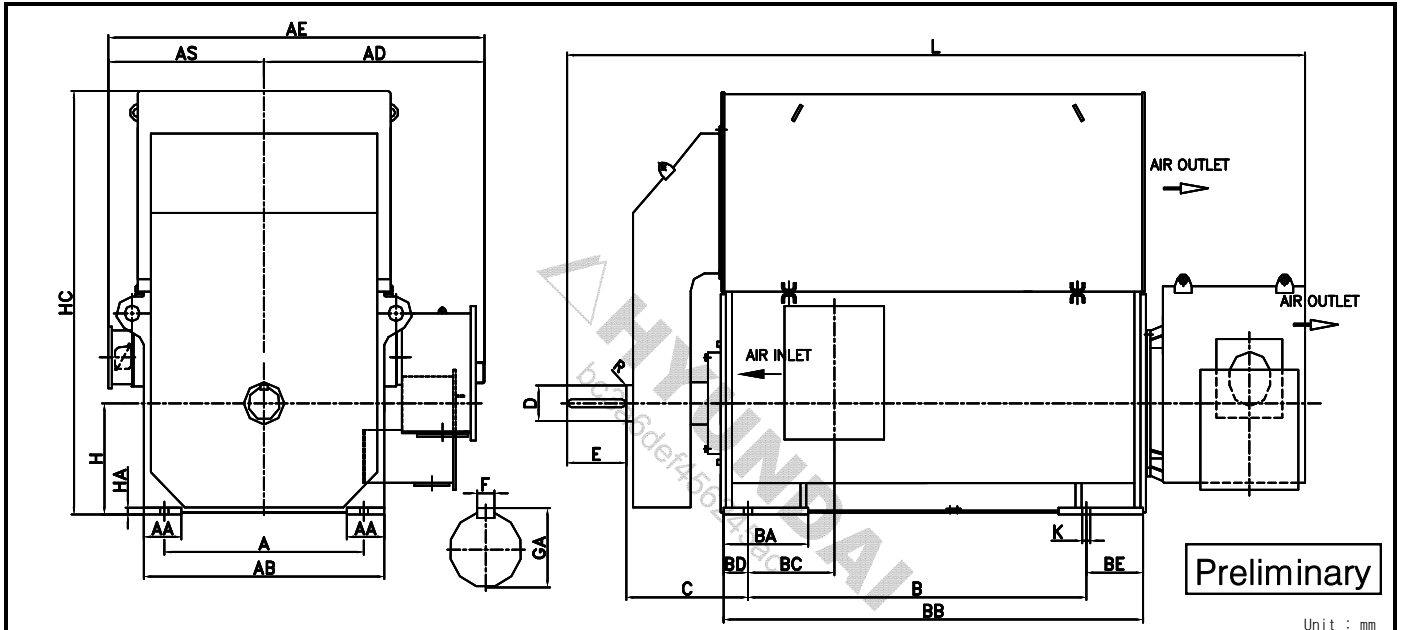
Dimensions	Tolerance
A and B	over 500 up to 750 ± 1.5mm
	over 750 up to 1000 ± 2.0mm
	over 1000 ± 2.5mm
H	over 250 up to 600 - 1.0mm
	over 600 up to 1000 - 1.5mm

- ANSI/ASME B106.1M-1986 -

재질 : SF440A 허용강도(Sf) : 95 Mpa
 인장강도 : 440 Mpa 항복강도(Sy) : 225 Mpa
 Ka : 0.9(표면계수) 안전율(FS) : 2
 Kb : 0.6(축경계수) 비틀림응력집중계수(Kts):2
 Kc : 0.8(신뢰도계수) 굽힘응력집중계수(Kt) : 2

Rev.0(2010.11.09)

- 양방통풍 구조 적용함.**
- Anti-friction
 - 내부 팬 반부하측에 부착됨
 - Brush Holder Cover Ass'y 전폐
 - AD 치수는 Main T/Box 3M-093753 사용시 치수임.

Mounting B3 / Degree of Protection IP54 (3.3kV/60Hz, F/80K, 85~90dB)

Frame	Pole	A	AA	AB	AD	AE	AS	B	BA	BB	BC	BD	BE	C	H	HA	HC	K	L	D	E	F	GA	중량(kg)
503	8	950	180	1155	1200	2020	820	1400	345	1755	360	135	220	630	500	34	2010	42	3600	170	300	40	179	7,650
	10																							7,650
	12																							7,650
	8																							7,900
	10																							7,900
	12																							7,900
	8							1600		1945			210						3790					8,500
	10																							8,500
	12																							8,500
	8																							8,850
	10																							8,850
	12																							8,850
563	8	1120	180	1285	1250	2120	870	1600	445	1945	480	170	175	730	560	35	2160	48	3900	190	350	45	200	10,500
	10																							10,500
	12																							10,500
	8																							10,900
	10																							10,900
	12																							10,900
	8							1800		2145									4100					11,700
	10																							11,700
	12																							11,700
	8																							12,200
	10																							12,200
	12																							12,200
633	8	1180	220	1420	1350	2300	950	1800	500	2240	510	145	295	700	630	38	2410	48	4150	220	350	50	231	14,400
	10																							14,400
	12																							14,400
	8																							15,000
	10																							15,000
	12																							15,000
	8							2000		2480			335						4390					16,300
	10																							16,300
	12																							16,300
	8																							17,100
	10																							17,100
	12																							17,100

** Shaft Extention Round

Shaft Dia(mm)	R(mm)
50 to 80	1.6
85 to 120	2.5
130 to 190	4.0

** Tolerances on dimension "A", "B" & "H"

Dimensions	Tolerance
A and B	over 500 up to 750 ± 1.5mm
	over 750 up to 1000 ± 2.0mm
	over 1000 ± 2.5mm
H	over 250 up to 600 - 1.0mm
	over 600 up to 1000 - 1.5mm

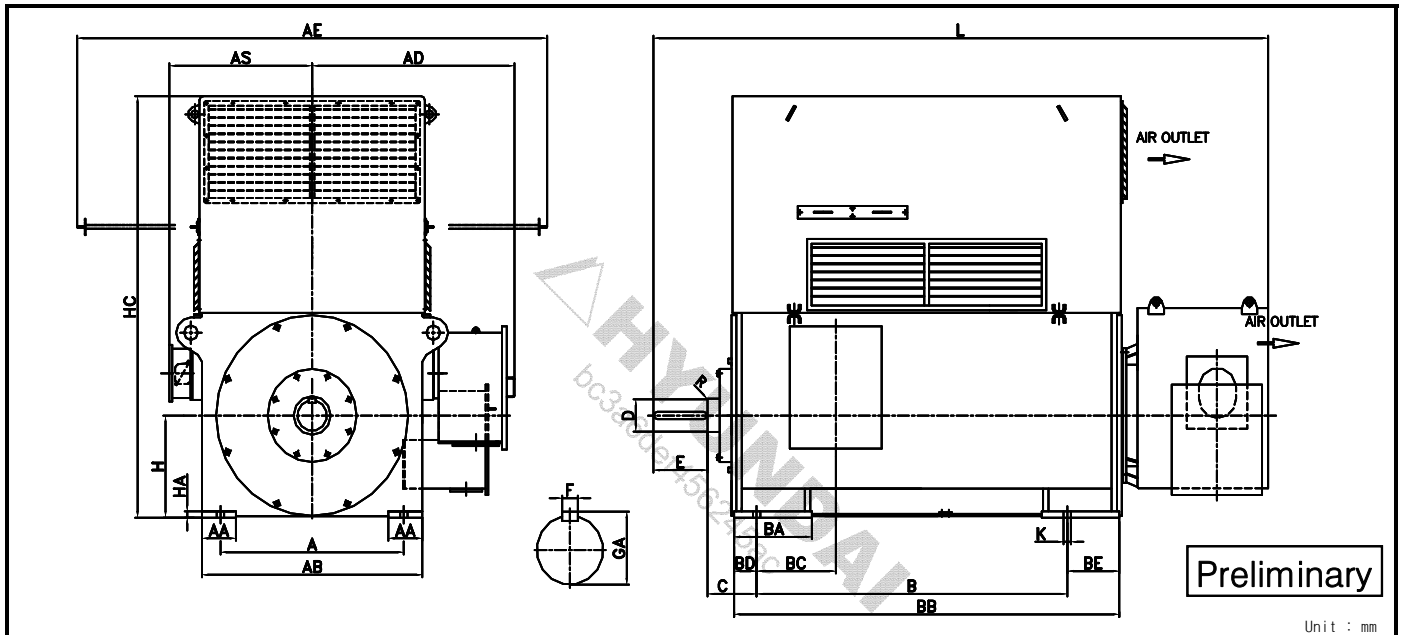
- ANSI/ASME B106.1M-1986 -

재질 : SF440A 허용강도(Sf) : 95 Mpa
 인장강도 : 440 Mpa 항복강도(Sy) : 225 Mpa
 Ka : 0.9(표면계수) 안전율(FS) : 2
 Kb : 0.6(축경계수) 비틀림응력집중계수(Kts):2
 Kc : 0.8(신뢰도계수) 굽힘응력집중계수(Kt) : 2

Rev.0(2010.11.09)

- 일방통풍 구조 적용함.

- Anti-friction
- 내부 팬 반부하측에 부착됨
- Brush Holder Cover Ass'y 전폐작용
- AD 치수는 Main T/Box 3M-093753 사용시 치수임.

Mounting B3 / Degree of Protection IP23W,IP24W (3.3kV/60Hz, F/80K, 85~90dB)

Frame	Pole	A	AA	AB	AD	AE	AS	B	BA	BB	BC	BD	BE	C	H	HA	HC	K	L	D	E	F	GA	중량(kg)
503	8	950	180	1155	1200	2510	820	1400	345	1755	360	135	220	224	500	34	2290	42	3190	170	300	40	179	6,750
	10																							6,750
	12																							6,750
	8																							7,000
	10																							7,000
	12																							7,000
	8							1600		1945			210						3380					7,700
	10																							7,700
	12																							7,700
	8																							8,050
	10																							8,050
	12																							8,050
563	8	1120	180	1285	1250	2770	870	1600	445	1945	480	170	175	280	560	35	2160	48	3450	190	350	45	200	9,300
	10																							9,300
	12																							9,300
	8																							9,700
	10																							9,700
	12																							9,700
	8							1800		2145									3650					10,400
	10																							10,400
	12																							10,400
	8																							10,900
	10																							10,900
	12																							10,900
633	8	1180	220	1420	1350	3040	950	1800	500	2240	510	145	295	315	630	38	2410	48	3810	220	350	50	231	12,800
	10																							12,800
	12																							12,800
	8																							13,400
	10																							13,400
	12																							13,400
	8							2000		2480			335						4050					14,400
	10																							14,400
	12																							14,400
	8																							15,200
	10																							15,200
	12																							15,200

** Shaft Extension Round

Shaft Dia(mm)	R(mm)
50 to 80	1.6
85 to 120	2.5
130 to 190	4.0

** Tolerances on dimension "A", "B" & "H"

Dimensions	Tolerance
A and B	over 500 up to 750 $\pm 1.5\text{mm}$
	over 750 up to 1000 $\pm 2.0\text{mm}$
	over 1000 $\pm 2.5\text{mm}$
H	over 250 up to 600 -1.0mm
	over 600 up to 1000 -1.5mm

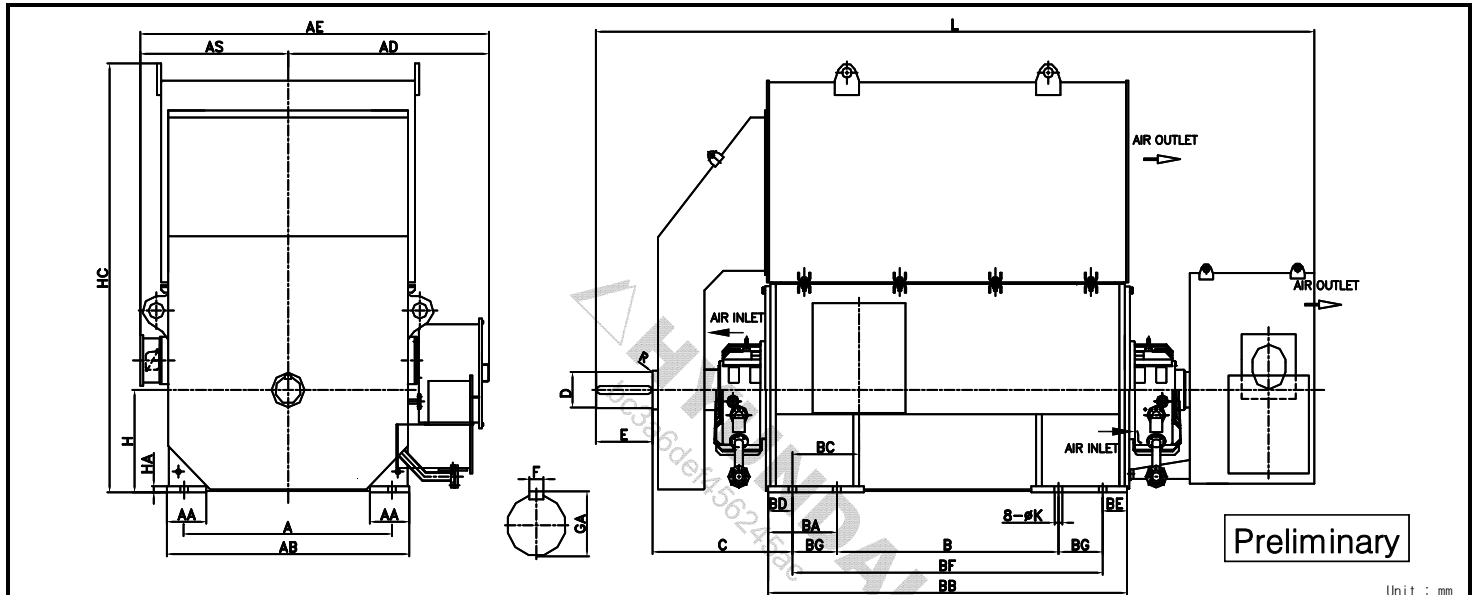
- ANSI/ASME B106.1M-1986 -

재질 : SF440A 허용강도(Sf) : 95 Mpa
 인장강도 : 440 Mpa 항복강도(Sy) : 225 Mpa
 Ka : 0.9(표면계수) 안전율(FS) : 2
 Kb : 0.6(축경계수) 비틀림응력집중계수(Kts):2
 Kc : 0.8(신뢰도계수) 굽힘응력집중계수(Kt) : 2

Rev.0(2010.11.09)

- 일반통풍 구조 적용함.

- Anti-friction
- 내부 팬 반부하측에 부착됨
- Brush Holder Cover Ass'y 전폐적용
- AD 치수는 Main T/Box 3M-093753 사용시 치수임.

Mounting B3 / Degree of Protection IP54 (3.3kV/60Hz, F/80K, 85dB)


Unit : mm

Frame	Pole	A	AA	AB	AD	AE	AS	B	BA	BB	BC	BD	BE	BF	BG	C	H	HA	HC	K	L	D	E	F	GA	중량(kg)
715	4	1500	285	1750	1490	2550	1060	1490	690	2480	1640	175	175	2130	320	1010	710	44	3050	56	5130	250	410	56	262	22,300
	6																									22,600
	8								1400		2390	480		2040							5040					22,900
	10																									23,000
	12																									23,000
717	4							1730		2720	1890			2370							5370					24,000
	6																									24,000
	8						1600		2590	480			2240								5240					24,700
	10																									24,700
	12																									24,700
719	4							1730		2720	1890			2370							5360					25,000
	6																									25,000
	8						1600		2590	480			2240								5240					25,800
	10																									25,800
	12																									25,800

** Shaft Extention Round

Shaft Dia(mm)	R(mm)
50 to 80	1.6
85 to 120	2.5
130 to 190	4.0

** Tolerances on dimension "A", "B" & "H"

Dimensions	Tolerance
A and B	over 500 up to 750 ± 1.5mm over 750 up to 1000 ± 2.0mm over 1000 ± 2.5mm
H	over 250 up to 600 - 1.0mm over 600 up to 1000 - 1.5mm

- ANSI/ASME B106.1M-1986 -

재질 : SF440A

인장강도 : 440 Mpa

Ka : 0.9(표면계수)

Kb : 0.6(축경계수)

Kc : 0.8(신뢰도계수)

허용강도(Sf) : 95 Mpa

항복강도(Sy) : 225 Mpa

안전율(FS) : 2

비틀림응력집중계수(Kts):2

굽힘응력집중계수(Kt) : 2

Rev.0(2010.11.09)

- 4P~6P : 양방통풍 구조 적용함.

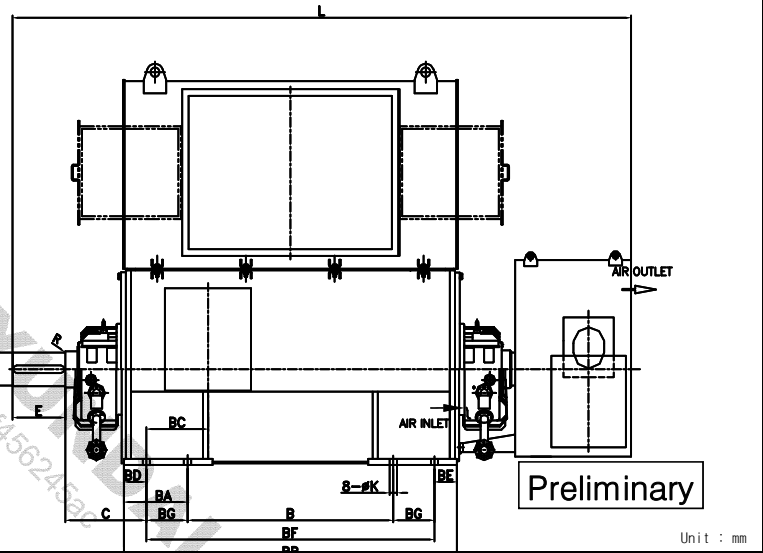
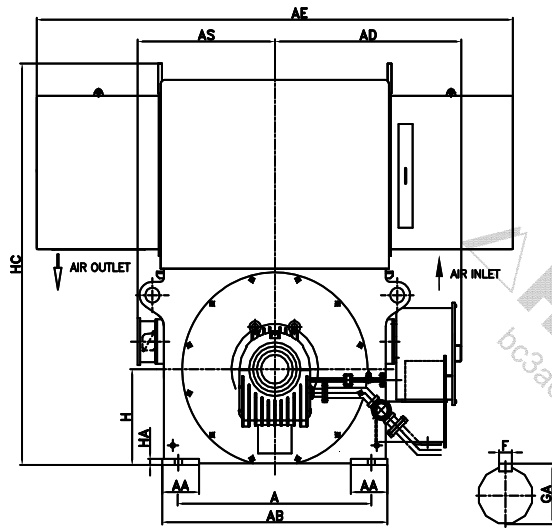
- 8P~12P : 일방통풍 구조 적용함.

- Forced feed lubrication Sleeve Brg.

- Brush Holder Cover Ass'y 전폐 작용함

- 내부 팬 반부하측에 부착됨

- AD 치수는 Main T/Box 3M-093753

Mounting B3 / Degree of Protection IP23W,IP24W (3.3kV/60Hz, F/80K, 85dB)

Unit : mm

Frame	Pole	A	AA	AB	AD	AE	AS	B	BA	BB	BC	BD	BE	BF	BG	C	H	HA	HC	K	L	D	E	F	GA	중량(kg)
715	4	1500	285	1750	1490	3700	1060	1490	690	2480	1640	175	175	2130	320	630	710	44	2980	56	4750	250	410	56	262	20,500
	6																									20,500
	8							1400		2390	480			2040							4670					20,900
	10																									21,200
	12																									21,200
717	4							1730		2720	1890			2370							4990					21,800
	6																									21,800
	8							1600		2590	480			2240							4870					22,500
	10																									23,000
	12																									23,000
719	4							1730		2720	1890			2370							5360					22,700
	6																									23,500
	8							1600		2590	480			2240							4870					23,500
	10																									24,000
	12																									24,000

** Shaft Extention Round

Shaft Dia(mm)	R(mm)
50 to 80	1.6
85 to 120	2.5
130 to 190	4.0

** Tolerances on dimension "A", "B" & "H"

Dimensions	Tolerance
A and B	over 500 up to 750 ± 1.5mm
	over 750 up to 1000 ± 2.0mm
	over 1000 ± 2.5mm
H	over 250 up to 600 - 1.0mm
	over 600 up to 1000 - 1.5mm

- ANSI/ASME B106.1M-1986 -

재질 : SF440A

인장강도 : 440 Mpa

Ka : 0.9(표면계수)

Kb : 0.6(축경계수)

Kc : 0.8(신뢰도계수)

허용강도(Sf) : 95 Mpa

항복강도(Sy) : 225 Mpa

안전율(FS) : 2

비틀림응력집중계수(Kts):2

굽힘응력집중계수(Kt) : 2

Rev.0(2010.11.09)

- 4P~6P : 양방통풍 구조 적용함.

- 8P~12P : 일방통풍 구조 적용함.

- Forced feed lubrication Sleeve Brg.

- Brush Holder Cover Ass'y 전폐 작용함

- 내부 팬 반부하측에 부착됨

- AD 치수는 Main T/Box 3M-093753

Output Tables(3.3 - 6.6kV/50Hz)

2010.11.30

HRV3		4P	6P	8P	10P	12P
HRV3	503	1380	1060	850	590	460
	505	1550	1190	960	660	520
	507	1730	1330	1080	750	590
	509	1950	1500	1210	840	660
HRV3	563	2190	1870	1400	1000	720
	565	2460	2090	1580	1120	810
	567	2750	2350	1770	1260	900
	569			1990	1410	1020
HRV3	631	3090	2560			
	633	3460	2860	2160	1630	1280
	635	3880	3210	2420	1830	1430
	637	4350	3600	2710	2050	1600
	639			3040	2300	1800
HRV3	715	4910	4000	3460	2600	2130
	717	5500	4480	3870	2910	2390
	719	6160	5020	4340	3260	2680

HRS3		4P	6P	8P	10P	12P
HRS3	503	1660	1280	1030	710	560
	505	1860	1430	1150	790	620
	507	2080	1600	1290	890	700
	509	2340	1800	1450	1000	790
HRS3	563	2730	2330	1760	1250	900
	565	3060	2610	1970	1400	1010
	567	3430	2930	2210	1570	1130
	569			2480	1760	1270
HRS3	631	4020	3330			
	633	4500	3730	2810	2120	1660
	635	5040	4170	3140	2380	1860
	637	5650	4680	3520	2660	2080
	639			3950	2990	2340
HRS3	715	6370	5190	4490	3370	2770
	717	7140	5820	5030	3770	3100
	719	8000	6520	5640	4230	3480

Output Tables(3.3 - 6.6kV/60Hz)

2010.11.30

HRV3		4P	6P	8P	10P	12P
HRV3	503	1660	1280	1030	710	560
	505	1860	1430	1160	800	630
	507	2080	1600	1300	900	710
	509	2340	1800	1460	1010	800
HRV3	563	2520	2160	1620	1160	880
	565	2830	2410	1820	1290	990
	567	3170	2710	2040	1450	1110
	569			2290	1630	1250
HRV3	631	3560	2950			
	633	3990	3300	2490	1880	1540
	635	4470	3700	2790	2110	1720
	637	5010	4150	3120	2360	1930
	639			3500	2650	2170
HRV3	715	5650	4600	3980	2990	2460
	717	6330	5160	4460	3350	2750
	719	7090	5780	5000	3760	3090

HRS3		4P	6P	8P	10P	12P
HRS3	503	1990	1530	1240	860	680
	505	2230	1720	1390	960	760
	507	2500	1920	1560	1080	850
	509	2800	2160	1750	1210	960
HRS3	563	3150	2690	2030	1440	1110
	565	3530	3010	2270	1610	1240
	567	3960	3380	2550	1810	1390
	569			2860	2030	1560
HRS3	631	4630	3830			
	633	5180	4290	3230	2440	2000
	635	5810	4810	3620	2740	2240
	637	6510	5390	4060	3070	2510
	639			4550	3440	2820
HRS3	715	7340	5980	5180	3890	3190
	717	8220	6700	5800	4350	3580
	719	9210	7510	6500	4880	4010