

2BE 900168

B

C

D



2BE 900168

B2

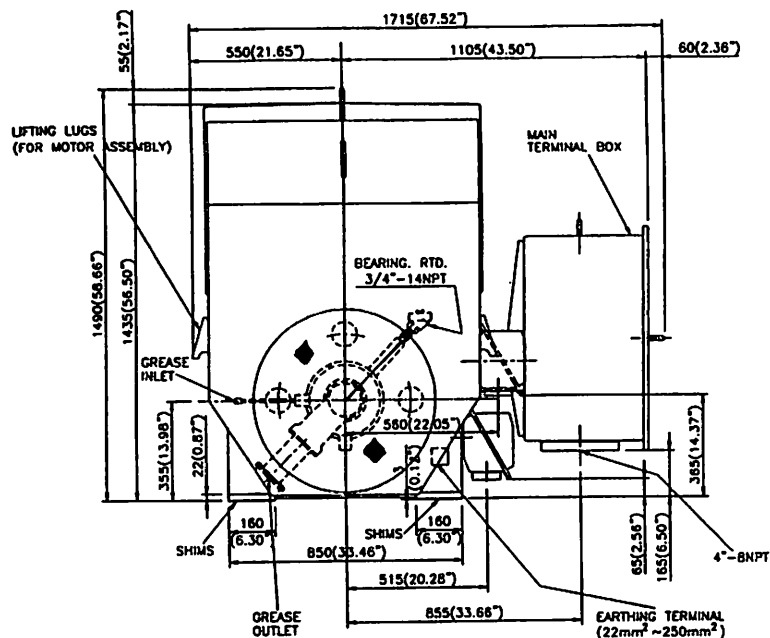
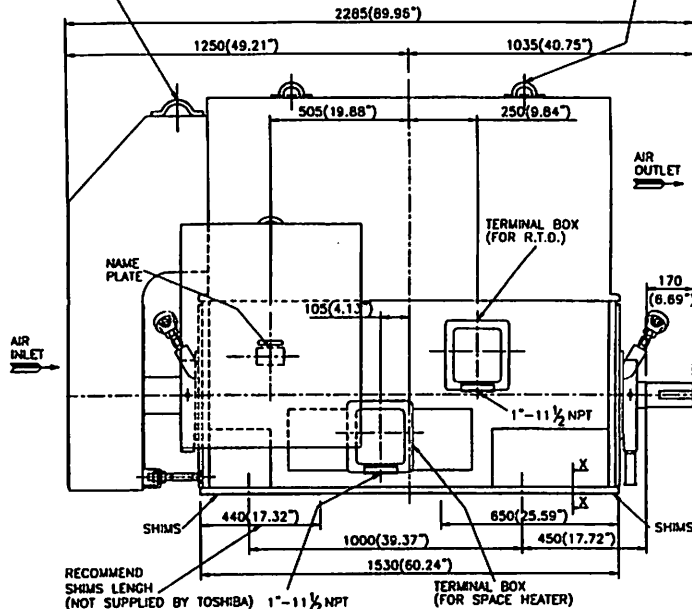
MOTOR OUTLINE

T.M.

TOL. CERRAL CONFORME INSTRUCCIONES ABAJO:

MA32A0090TI KE. 4P. 700HP. FCKW. 35100

ROTATION

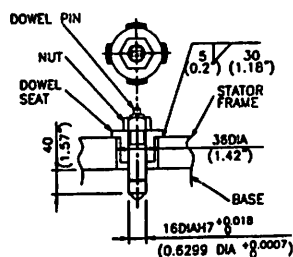
LIFTING LUGS
(FOR FAN COVER ONLY)LIFTING LUGS
(FOR AIR HOUSING ONLY)

TECHNICAL INFORMATION

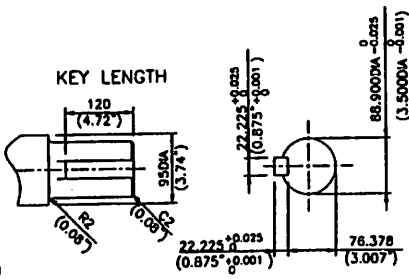
- ENCLOSURE TOTALLY ENCLOSED-FAN COOLED
2. BEARING TYPE AND LUBRICATION
LOAD SIDE: 6220 C3
OPP SIDE: 6220 C3
ANTI-FRICTION BEARING, GREASE: SHELL ALVANIA 2
REFER TO NAME PLATE FOR BEARING INFORMATION
3. WINDING TEMPERATURE DETECTORS
(A) QUANTITY AND TYPE
6xPt - 100 ohms at 0°C
(B) LOCATION IN STATOR SLOTS
4. SPACE HEATERS 1 PHASE 120 VOLTS. 250 WATTS
5. ROTATION C.C.W VIEWED FROM NON DRIVE END.
THIS MOTOR IS BI DIRECTIONAL (B)
THE DIRECTION OF ROTATION IS THE ONE SHOWN ON THIS DRAWING, WHEN THE ALPHABETICAL SEQUENCE OR NUMERAL SUFFIX OF THE TERMINAL LETTERS OF A PHASE GROUP CORRESPONDS WITH THE TIME SEQUENCE OF THE TERMINAL VOLTAGES
6. TOTAL WT 3300kg (7277lb)
7. INSULATION CLASS F
8. PAINT COLOR MUNSELL N8.5
9. BEARING TEMPERATURE DETECTORS
(A) QUANTITY AND TYPE
2xPt - 100 ohms at 0°C

CERTIFIED DIMENSIONS

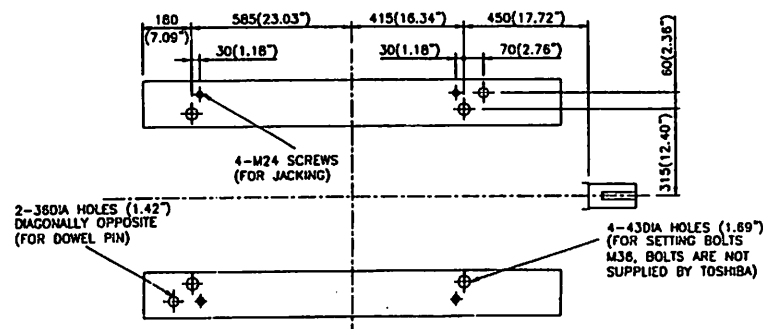
REV 1 11-17-00



DETAIL OF SECTION XX



DETAIL OF SHAFT END



ADDITIONAL INFORMATION

1. DOWEL PINS ARE PROVIDED WITH MOTOR.
STATOR FRAME HAS 38DIA (1.42) HOLES FOR DOWEL SEAT.
PREVIOUSLY DRILL DOWEL PINS HOLES 16DIAH7 (0.018) (0.6299 DIA ±0.0007)
AND AFTER POSITIONING MOTOR, DOWEL PINS INTO HOLES AND WELD DOWEL SEATS TO STATOR FRAME.
2. AS THIS MOTOR IS INSULATED FROM SHAFT CURRENT AT OPPOSITE DRIVE END SIDE BEARING.

Alliance Forest Products

PO# 445013

AFP EQ# M94022

AFP MOTOR# E94022

DRAWING LIST

MAIN TERMINAL BOX
TERMINAL BOX FOR SPACE HEATER
TERMINAL BOX FOR STATOR R.T.D.
NAME PLATE

DRAWING NO.

3BE900041
3BE900003
3BE900002
3BE900418

TKE	FCKW	4	700HP	1780	2300	60	1.15
TYPE	FORM	POLES	OUTPUT	RPM	VOLTS	Hz	S.F.

REVISAO	REVISAO
NOV.-18-'00	DATA
SILVIO S.	APPROVADO
TAKESHI S.	REVISADO
CHANGED THE TYPE OF FAN FROM UNI-DIRECTIONAL TO BI-DIRECTIONAL	CONTEUDO

PROJ. TOSHIBA	APPROVADO	CONFIRMADO	REVISADO
mm/(inch)	mm/(inch)	mm/(inch)	mm/(inch)
NOV.-08-'00	NOV.-08-'00	NOV.-08-'00	NOV.-08-'00

TITULO	OUTLINE DRAWING OF 700HP INDUCTION MOTOR
NO. 177355-1000	2BE900168

TOSHIBA

REGISTRADO

DISTR.

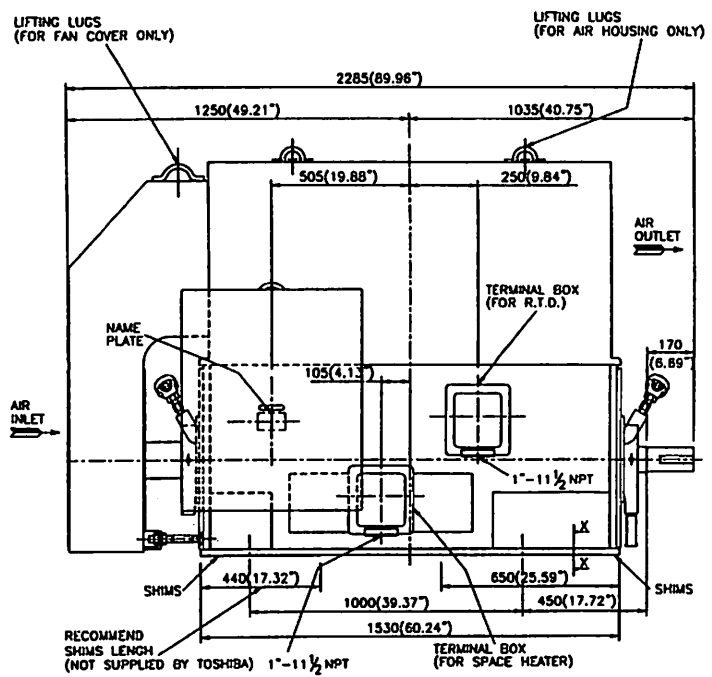
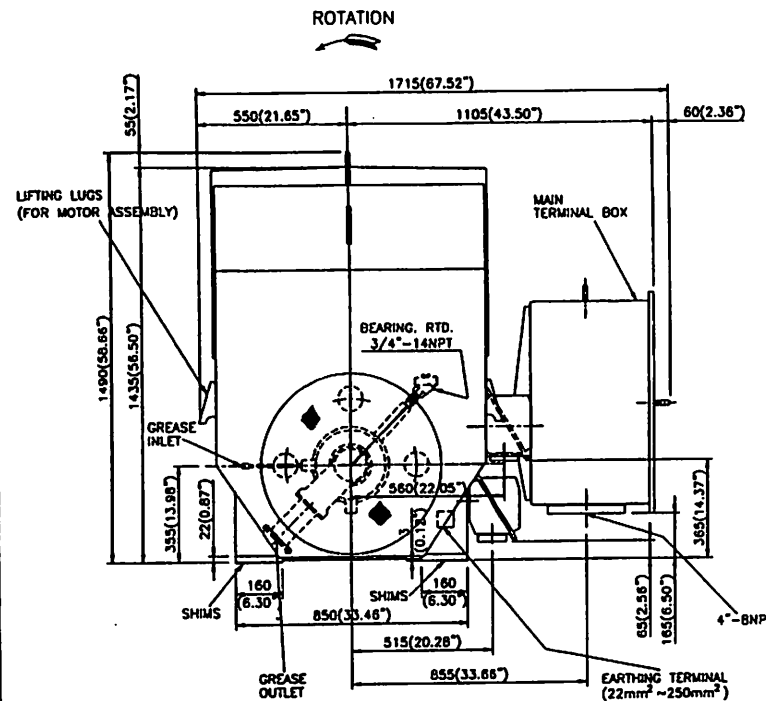
DATA

FOTO

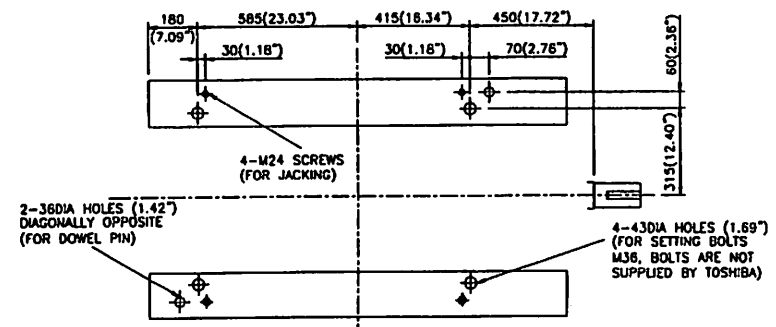
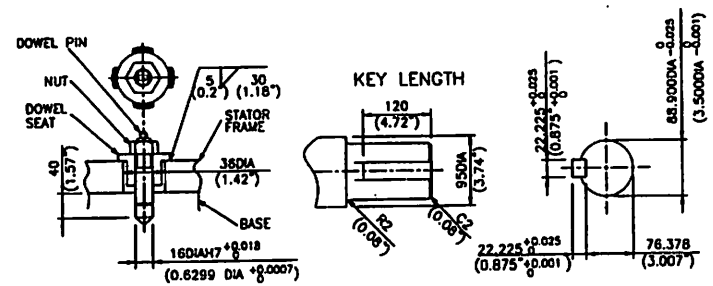
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2BE 900168 ⊕ (B)

REV. 158	C/H 1705/1985	2BE 900168	B2	MOTOR OUTLINE	MA32A0090TI KE. 4 P. 700HP. FCKW. 35100	10L. CERAL. CONFORME INSTRUCCIONES ABAXIO.
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- ### TECHNICAL INFORMATION
- ENCLOSURE TOTALLY ENCLOSED-FAN COOLED
 - BEARING TYPE AND LUBRICATION
LOAD SIDE: 6220 C3
OPP SIDE: 6220 C3
ANTI-FRICTION BEARING, GREASE: SHELL ALVANIA 2
REFER TO NAME PLATE FOR BEARING INFORMATION
 - WINDING TEMPERATURE DETECTORS
(A) QUANTITY AND TYPE
6xPI - 100 ohms at 0°C
(B) LOCATION IN STATOR SLOTS
 - SPACE HEATERS 1 PHASE 120 VOLTS, 250 WATTS
 - ROTATION C.C.W VIEWED FROM NON DRIVE END.
THIS MOTOR IS BI DIRECTIONAL (B)
THE DIRECTION OF ROTATION IS THE ONE SHOWN ON THIS DRAWING, WHEN THE ALPHABETICAL SEQUENCE OR NUMERAL SUFFIX OF THE TERMINAL LETTERS OF A PHASE GROUP CORRESPONDS WITH THE TIME SEQUENCE OF THE TERMINAL VOLTAGES
 - TOTAL WT 3300kg (7277lb)
 - INSULATION CLASS F
 - PAINT COLOR MUNSELL N6.5
 - BEARING TEMPERATURE DETECTORS
(A) QUANTITY AND TYPE
2xPI - 100 ohms at 0°C



CERTIFIED DIMENSIONS
REV 1 11-17-00

ADDITIONAL INFORMATION 1. DOWEL PINS ARE PROVIDED WITH MOTOR. STATOR FRAME HAS 36DIA (1.42") HOLES FOR DOWEL SEAT. PREVIOUSLY DRILL DOWEL PINS HOLES 16DIAH7 ±0.018 (0.6299 DIA ±0.0007) AND AFTER POSITIONING MOTOR, DOWEL PINS INTO HOLES AND WELD DOWEL SEATS TO STATOR FRAME. 2. AS THIS MOTOR IS INSULATED FROM SHAFT CURRENT AT OPPOSITE DRIVE END SIDE BEARING.	Alliance Forest Products PO# 445013 AFP EQ# M94023 AFP MOTOR# E94023	DRAWING LIST MAIN TERMINAL BOX TERMINAL BOX FOR SPACE HEATER TERMINAL BOX FOR STATOR R.T.D. NAME PLATE		DRAWING NO. 3BE900041 3BE900003 3BE900002 3BE900418		<table border="1"> <tr> <td>TIKE</td> <td>FCKW</td> <td>4</td> <td>700HP</td> <td>1780</td> <td>2300</td> <td>60</td> <td>1.15</td> </tr> <tr> <td>TYPE</td> <td>FORM</td> <td>POLES</td> <td>OUTPUT</td> <td>RPM</td> <td>VOLTS</td> <td>Hz</td> <td>S.F.</td> </tr> </table>				TIKE	FCKW	4	700HP	1780	2300	60	1.15	TYPE	FORM	POLES	OUTPUT	RPM	VOLTS	Hz	S.F.															
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		TYPE	FORM	POLES	OUTPUT	RPM	VOLTS	Hz	S.F.																															
		<table border="1"> <tr> <td>REVISED</td> <td>APPROVED</td> <td>CONFIRMED</td> <td>RECORDED</td> <td>TITLE</td> </tr> <tr> <td>B</td> <td>NOV.-18-'00</td> <td>DATA</td> <td></td> <td>OUTLINE DRAWING OF 700HP INDUCTION MOTOR</td> </tr> <tr> <td>SILVIO S.</td> <td>APROVADO</td> <td></td> <td></td> <td>(Fr335-1000)</td> </tr> <tr> <td>TAKESHI S.</td> <td>REVISADO</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CHANGED THE TYPE OF FAN FROM UNI-DIRECTIONAL TO BI-DIRECTIONAL</td> <td>CONTEUDO</td> <td></td> <td></td> <td></td> </tr> </table>		REVISED	APPROVED	CONFIRMED	RECORDED	TITLE	B	NOV.-18-'00	DATA		OUTLINE DRAWING OF 700HP INDUCTION MOTOR	SILVIO S.	APROVADO			(Fr335-1000)	TAKESHI S.	REVISADO				CHANGED THE TYPE OF FAN FROM UNI-DIRECTIONAL TO BI-DIRECTIONAL	CONTEUDO				<table border="1"> <tr> <td>DATE</td> <td>BY</td> <td>DATE</td> <td>BY</td> </tr> <tr> <td>NOV.-08-'00</td> <td>SILVIO S.</td> <td>NOV.-09-'00</td> <td>SILVIO S.</td> </tr> <tr> <td>NOV.-08-'00</td> <td>SILVIO S.</td> <td>NOV.-08-'00</td> <td>SILVIO S.</td> </tr> </table>		DATE	BY	DATE	BY	NOV.-08-'00	SILVIO S.	NOV.-09-'00	SILVIO S.	NOV.-08-'00	SILVIO S.
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TOSHIBA 2BE900168 ⊕ (B)		REGISTRADO DISTR.		DATA FOTO																																				
TT DATA / /																																								

2713

TOSHIBA

TOSMIGHTY-T90 SERIES SQUIRREL-CAGE TYPE INDUCTION MOTOR

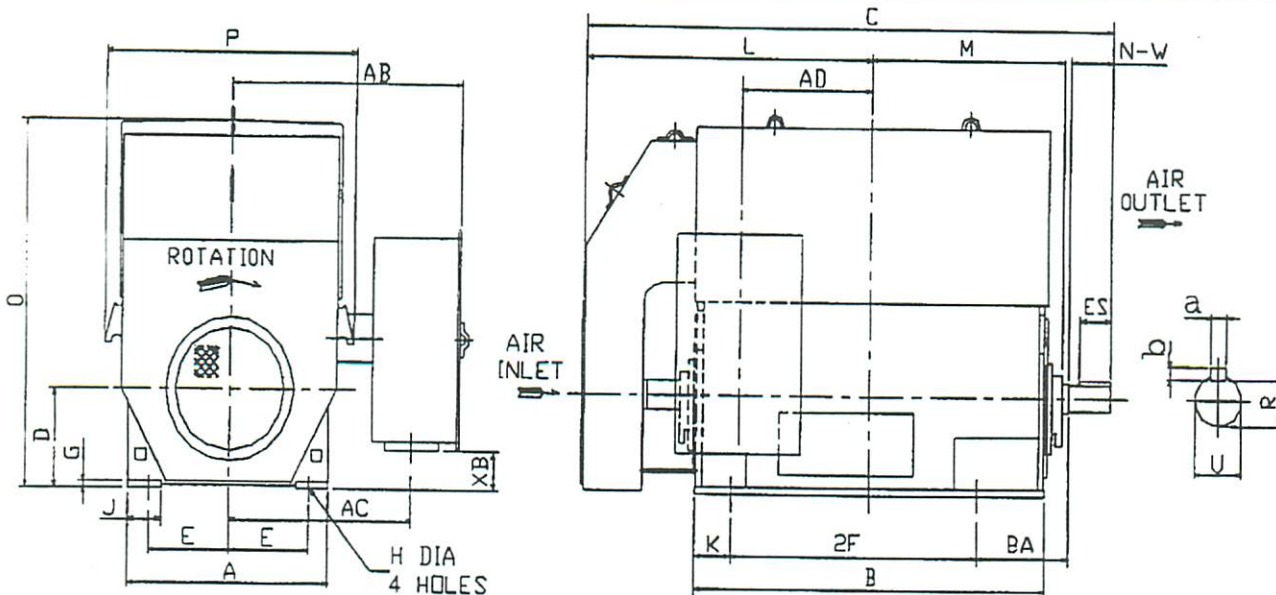
FE2

HIGH-VOLTAGE CLASS F-INSULATION

OUTLINE

TOTALLY-ENCLOSED FAN-COOLED TYPE ANTIFRICTION BEARINGS

		4	700 HP ✓	1800 ✓	2300	60 ✓
TYPE	FORM	POLES	OUTPUT	RPM	VOLTS	HERTZ



ALLIANCE FOREST PRODUCTS

PO # 445013

AFP EQ# M94002 ✓

AFP MOTOR # E94002 ✓

CERTIFIED DIMENSIONS

DIMENSIONS IN mm/INCHES

FRAME NO.	POLES	MOUNTING				A	B	C	D	G	J	K	L	M
		E	2F	H	BA									
355-1000S	4	315	1000	43	450	850	1530	2285	355	22	160	180	1250	822
		12.40	39.37	1.69	17.72	33.46	60.24	89.96	13.98	0.87	6.30	7.09	49.21	32.36

FRAME NO.	POLES	O	P	MAIN T. BOX				KEY SIZE			SHAFT EXTENSION		
				AB	AC	XB	AD	a	b	ES	N-W	U	R
355-1000S	4	1435	1100	1105	855	165	505	22.225	22.225	120	170	88.900	76.378
		56.50	43.31	43.50	33.66	6.50	19.88	0.875	0.875	4.72	6.69	3.500	3.007

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04

TOSHIBA

TOSMIGHTY-T90 SERIES

SQUIRREL-CAGE TYPE INDUCTION MOTOR

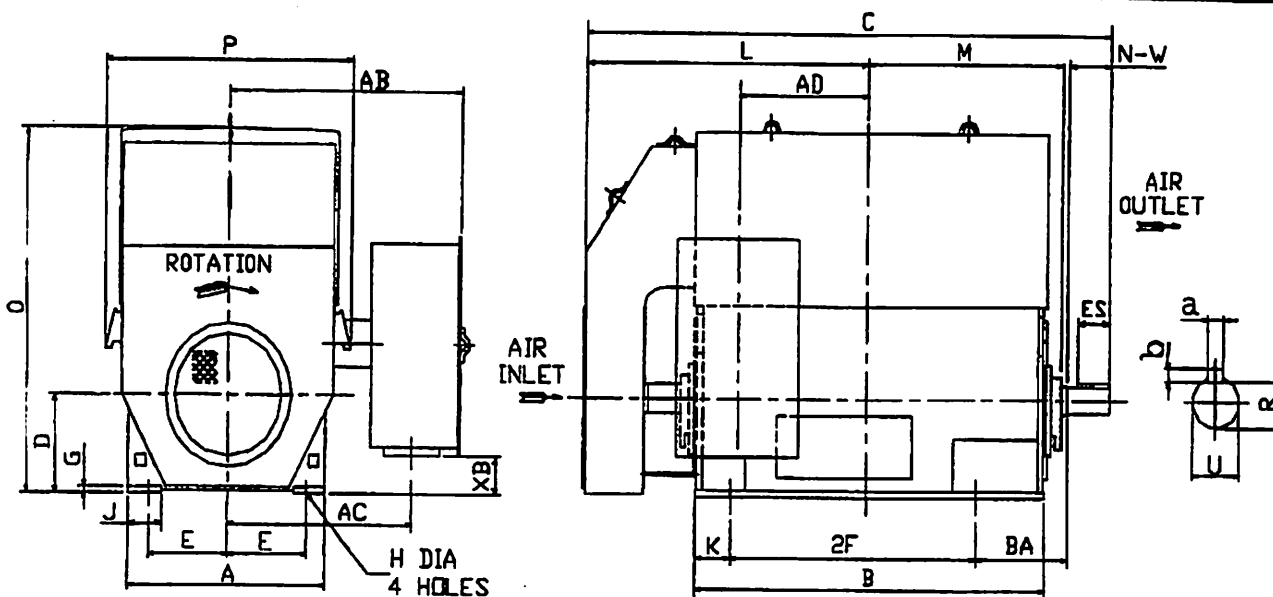
FE2

HIGH-VOLTAGE CLASS F-INSULATION

OUTLINE

TOTALLY-ENCLOSED FAN-COOLED TYPE ANTIFRICTION BEARINGS

TYPE	FORM	4	700 HP	1800	2300	60
		POLES	OUTPUT	RPM	VOLTS	HERTZ



ALLIANCE FOREST PRODUCTS

PO # 445013 ✓

AFP EQ# M94003 ✓

AFP MOTOR # E94003 ✓

CERTIFIED DIMENSIONS

DIMENSIONS IN mm/INCHES

FRAME NO.	POLES	MOUNTING				A	B	C	D	G	J	K	L	M
		E	2F	H	BA									
355-1000S	4	315	1000	43	450	850	1530	2285	355	22	160	180	1250	822
		12.40	39.37	1.69	17.72	33.46	60.24	89.96	13.98	0.87	6.30	7.09	49.21	32.36

FRAME NO.	POLES	O	P	MAIN T. BOX				KEY SIZE			SHAFT EXTENSION		
				AB	AC	XB	AD	a	b	ES	N-W	U	R
355-1000S	4	1435	1100	1105	855	165	505	22.225	22.225	120	170	88.900	76.378
		56.50	43.31	43.50	33.68	6.50	19.88	0.875	0.875	4.72	6.69	3.500	3.007

TOSHIBA

TOSMIGHTY-T90 SERIES SQUIRREL-CAGE TYPE INDUCTION MOTOR

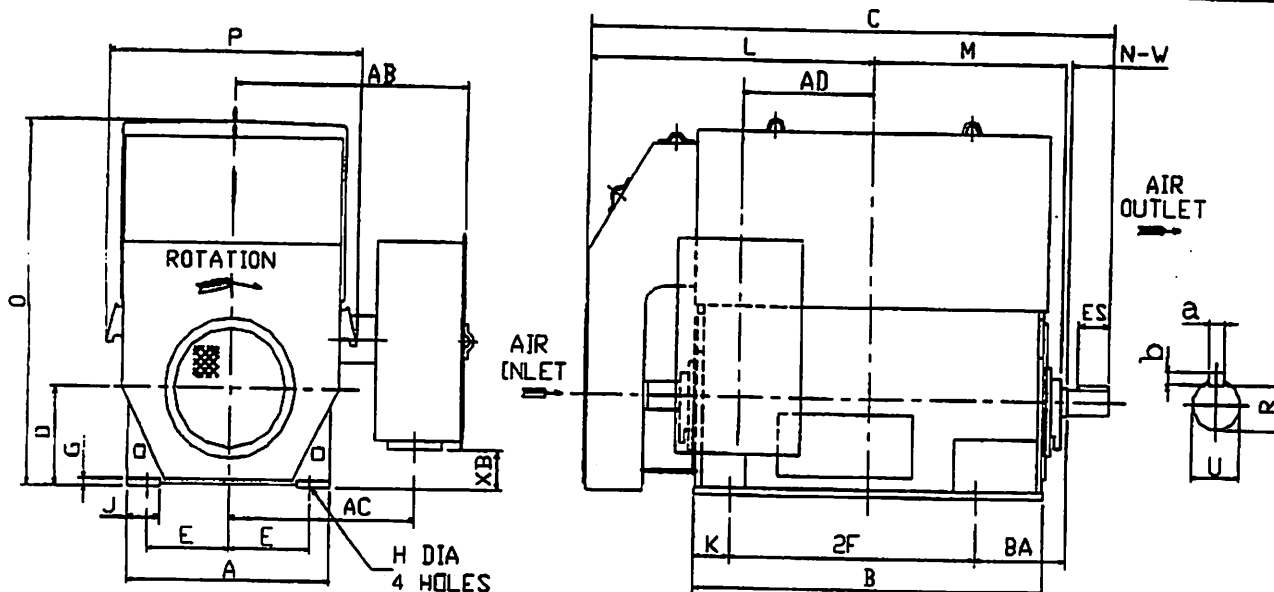
FE2

HIGH-VOLTAGE CLASS F-INSULATION

OUTLINE

TOTALLY-ENCLOSED FAN-COOLED TYPE ANTIFRICTION BEARINGS

		4	700 HP	1800	2300	60
TYPE	FORM	POLES	OUTPUT	RPM	VOLTS	HERTZ



ALLIANCE FOREST PRODUCTS

PO # 445013 ✓

AFP EQ# M94022 ✓

AFP MOTOR # E94022 ✓

CERTIFIED DIMENSIONS

DIMENSIONS IN mm/INCHES

FRAME NO.	POLES	MOUNTING				A	B	C	D	G	J	K	L	M
		E	2F	H	BA									
355-1000S	4	315	1000	43	450	850	1530	2285	355	22	160	180	1250	822
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FRAME NO.	POLES	O	P	MAIN T. BOX				KEY SIZE			SHAFT EXTENSION		
				AB	AC	XB	AD	a	b	ES	N-W	U	R
355-1000S	4	1435	1100	1105	855	165	505	22.225	22.225	120	170	88.900	76.378
		56.50	43.31	43.50	33.66	6.50	19.88	0.875	0.875	4.72	6.69	3.500	3.007

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TOSHIBA

TOSMIGHTY-T90 SERIES SQUIRREL-CAGE TYPE INDUCTION MOTOR

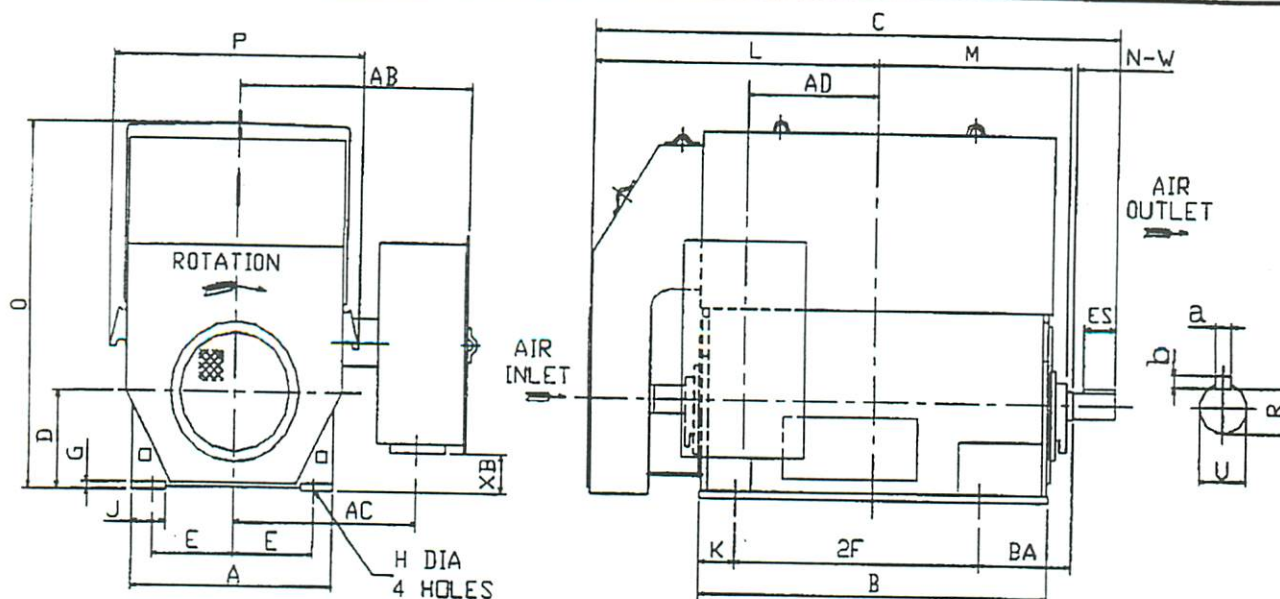
FE2

HIGH-VOLTAGE CLASS F-INSULATION

OUTLINE

TOTALLY-ENCLOSED FAN-COOLED TYPE ANTIFRICTION BEARINGS

		4	700 HP	1800	2300	60
TYPE	FORM	POLES	OUTPUT	RPM	VOLTS	HERTZ



ALLIANCE FOREST PRODUCTS

PO # 445013

AFP EQ# M94023

AFP MOTOR # E94023

CERTIFIED DIMENSIONS

DIMENSIONS IN mm/INCHES

FRAME NO.	POLES	MOUNTING				A	B	C	D	G	J	K	L	M
		E	2F	H	BA									
355-1000S	4	315	1000	43	450	850	1530	2285	355	22	160	180	1250	822
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5713