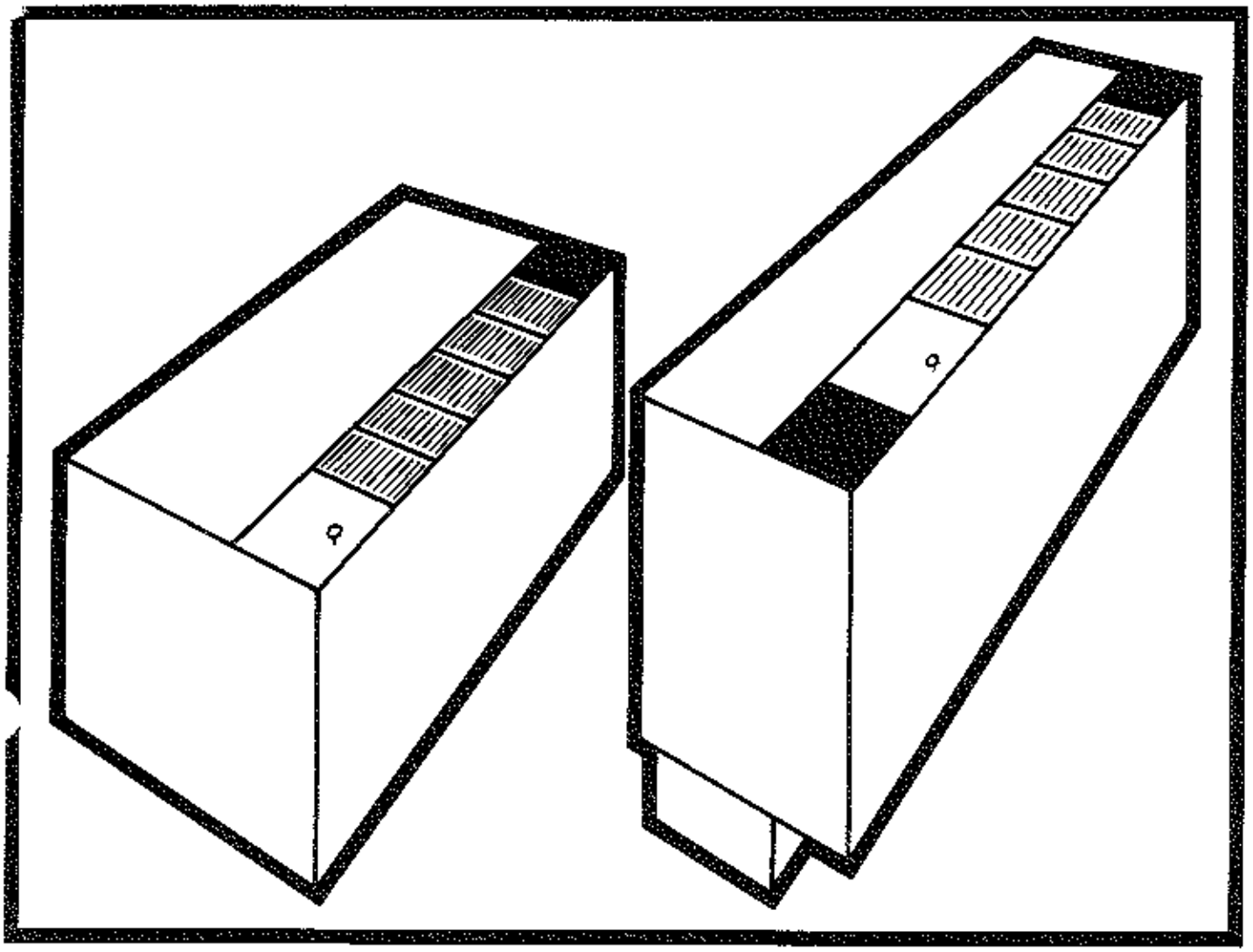
SUBMITTAL DATA



Friedrich Climate Master® PACKAGED TERMINAL UNITS

JOB NAME _____

ARCHITECT _____

ENGINEER _____

LOCATION _____

SUBMITTED BY _____

APPROVED BY _____

APPROVALS:

UL ☐

ARI STANDARD 390 ☐

CERTIFICATION

DIMENSIONS, SPECIFICATIONS, AND PERFORMANCE AS INDICATED ON THIS SUBMITTAL ARE CERTIFIED CORRECT.

COMPANY NAME _____

LOCATION _____

BY _____ DATE _____

Friedrich Air Conditioning & Refrigeration Co.
2007 Beechgrove Place, Utica, NY 13501 • (315) 724-7111

Fried ch
Climate Master®

PACKAGED TE MINAL UNITS
CERTIFIED SUBMITTAL DATA

PAGE___ OF___

DATE_____

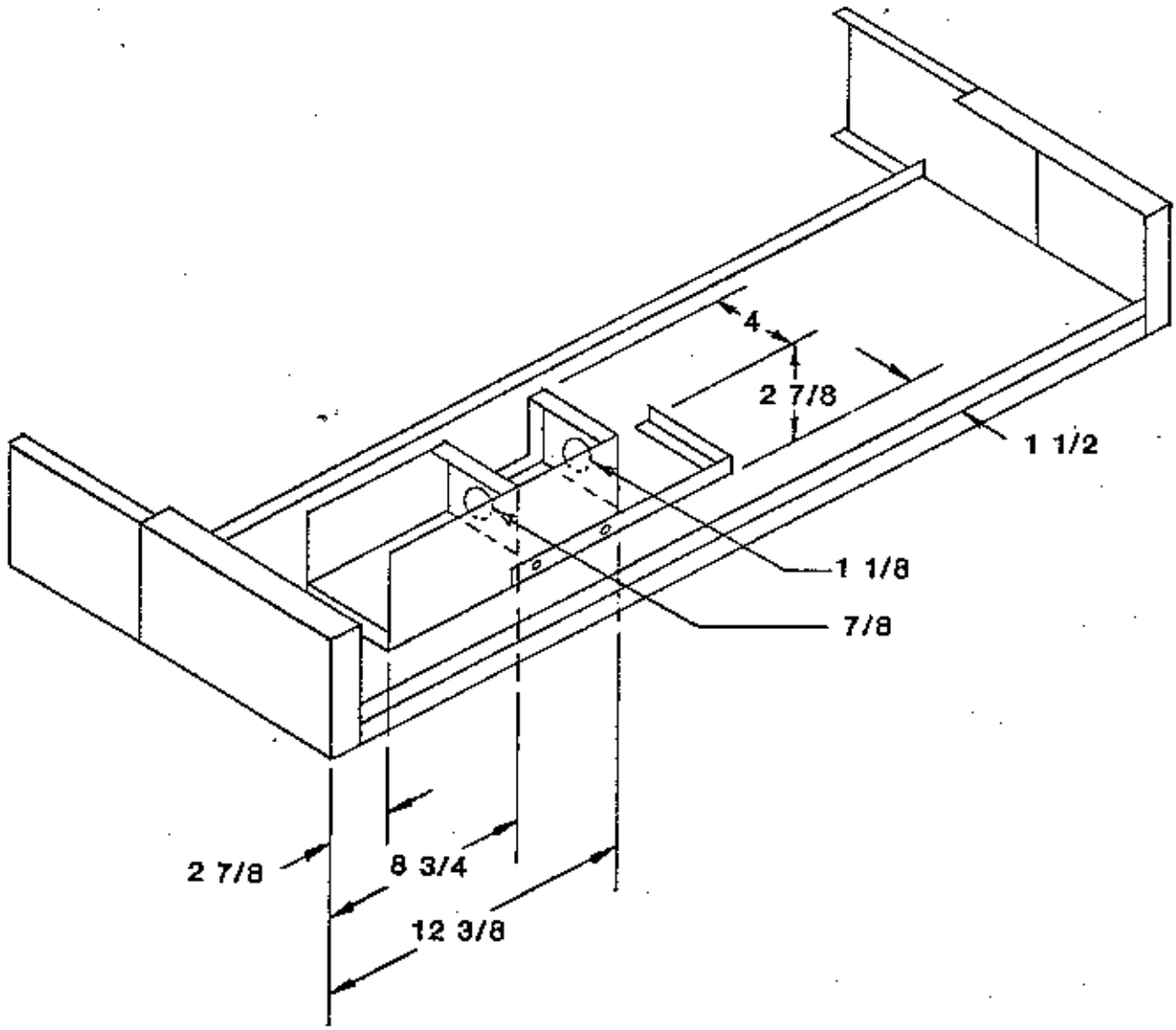
CUSTOMER:	JOB NAME:	CUSTOMER NUMBER:
ENGINEER:	REPRESENTATIVE:	REFERENCE NUMBER:

TAG	MODEL NUMBER	QUANTITY	JOB VOLTAGE:	COOLING BTUH	EER	HEATING			COP	UNIT CFM	O.A. CFM	MAX. FUSE SIZE	NOTES
						ELECTRICAL WATTS	STEAM/HOT WATER BTUH	HEAT PUMP BTUH					

NOTE: PERFORMANCE IN ACCORDANCE WITH ARI STD. 310 OR 360 AS APPLICABLE UNLESS OTHERWISE NOTED.

OPTIONS/ACCESSORIES:	NOTES:

DIMENSIONS
702SP / 703SP SERIES



LOCATION OF ELECTRICAL RECEPTACLE BOX.

Continuing engineering research results in steady improvements. Therefore, these specifications are subject to change without notice.

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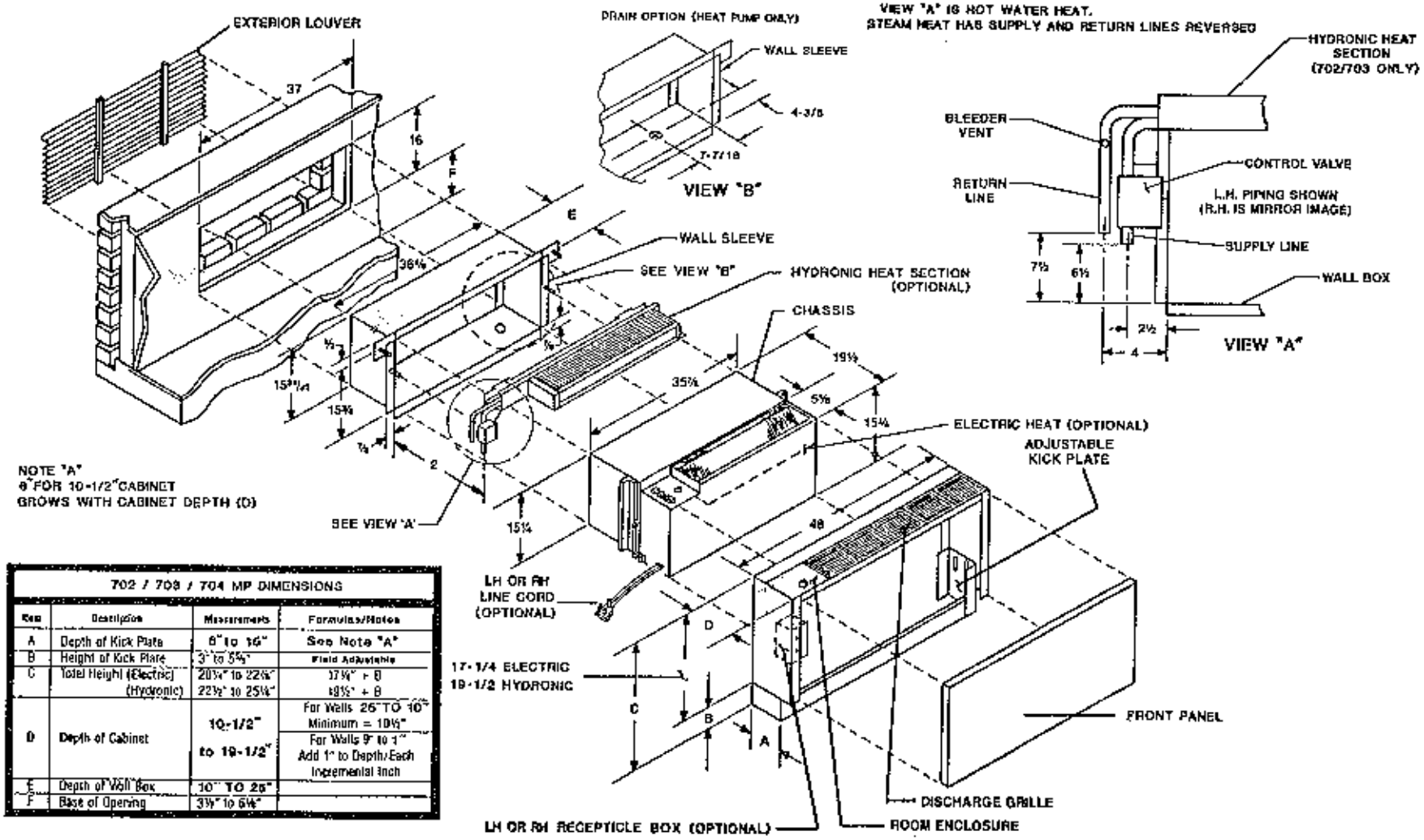
DIMENSIONS

702-703-704 MP SERIES



702 / 703 / 704 MP DIMENSIONS			
Key	Description	Measurements	Formulas/Notes
A	Depth of Kick Plate	8" to 16"	See Note "A"
B	Height of Kick Plate	3" to 5⅝"	Field Adjustable
C	Total Height (Electric)	20¾" to 22⅝"	17¼" + B
	(Hydronic)	22½" to 25⅛"	19½" + B
D	Depth of Cabinet	10-1/2" to 19-1/2"	For Walls 25" TO 10" Minimum = 10½"
			For Walls 9" to 1" Add 1" to Depth/Each Incremental Inch
E	Depth of Wall Box	10" TO 25"	
F	Base of Opening	3½" to 6⅛"	

Continuing engineering research results in steady improvements. Therefore, those specifications are subject to change without notice.

9/85

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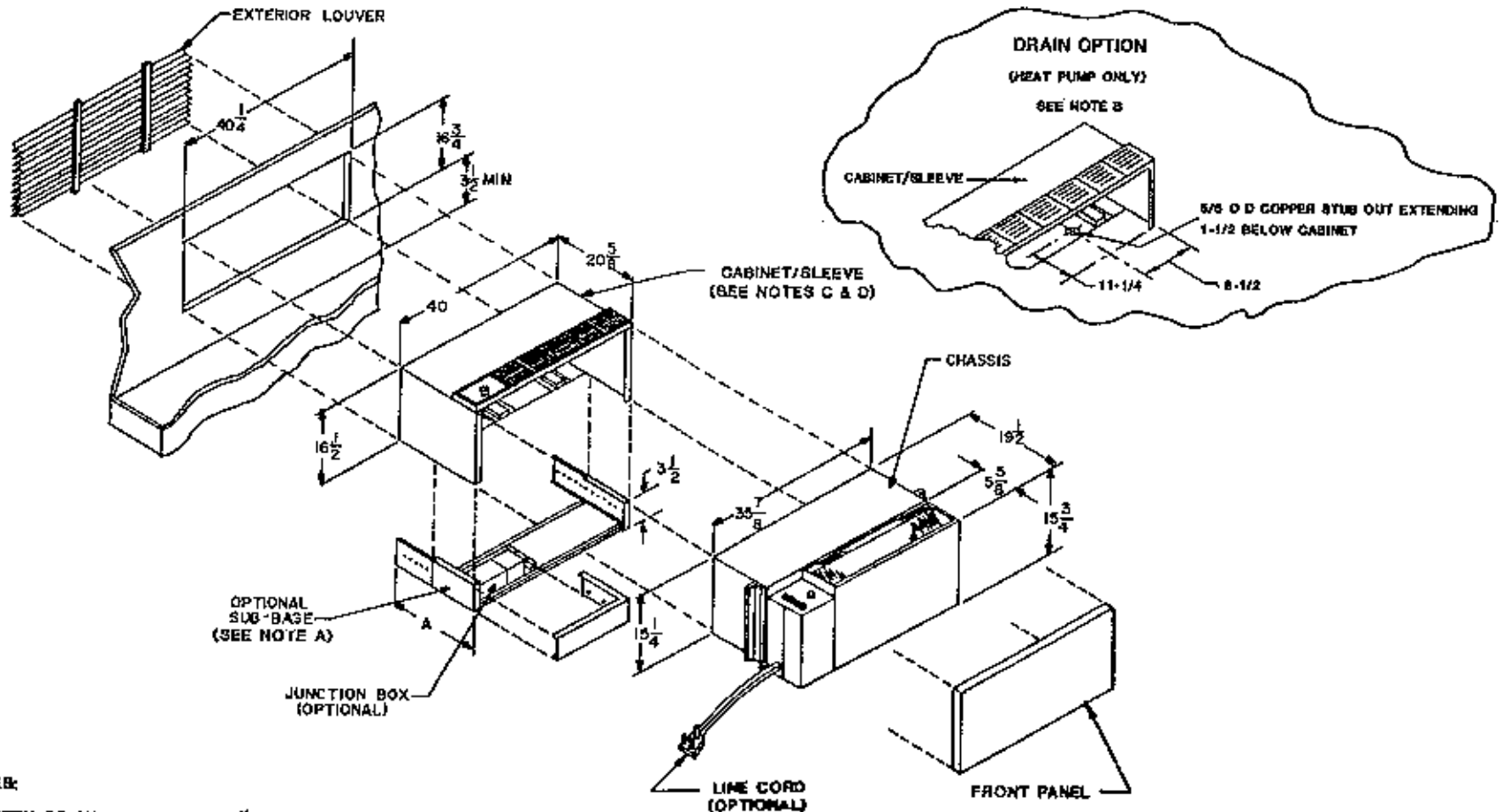
DIMENSIONS

702–703–704 SP SERIES



NOTES:

A: DEPTH OF SUB-BASE IS 8-1/2" TO 20" IN 1/2" INCREMENTS)

B: DRAIN CONNECTION 5/8" OD COPPER STUB OUT

C: MINIMUM OF 8-1/8" OF CABINET/SLEEVE MUST BE INSIDE ROOM

D: FOR DEEPER WALLS, USE CABINET EXTENSIONS (4" OR 10" AVAILABLE)

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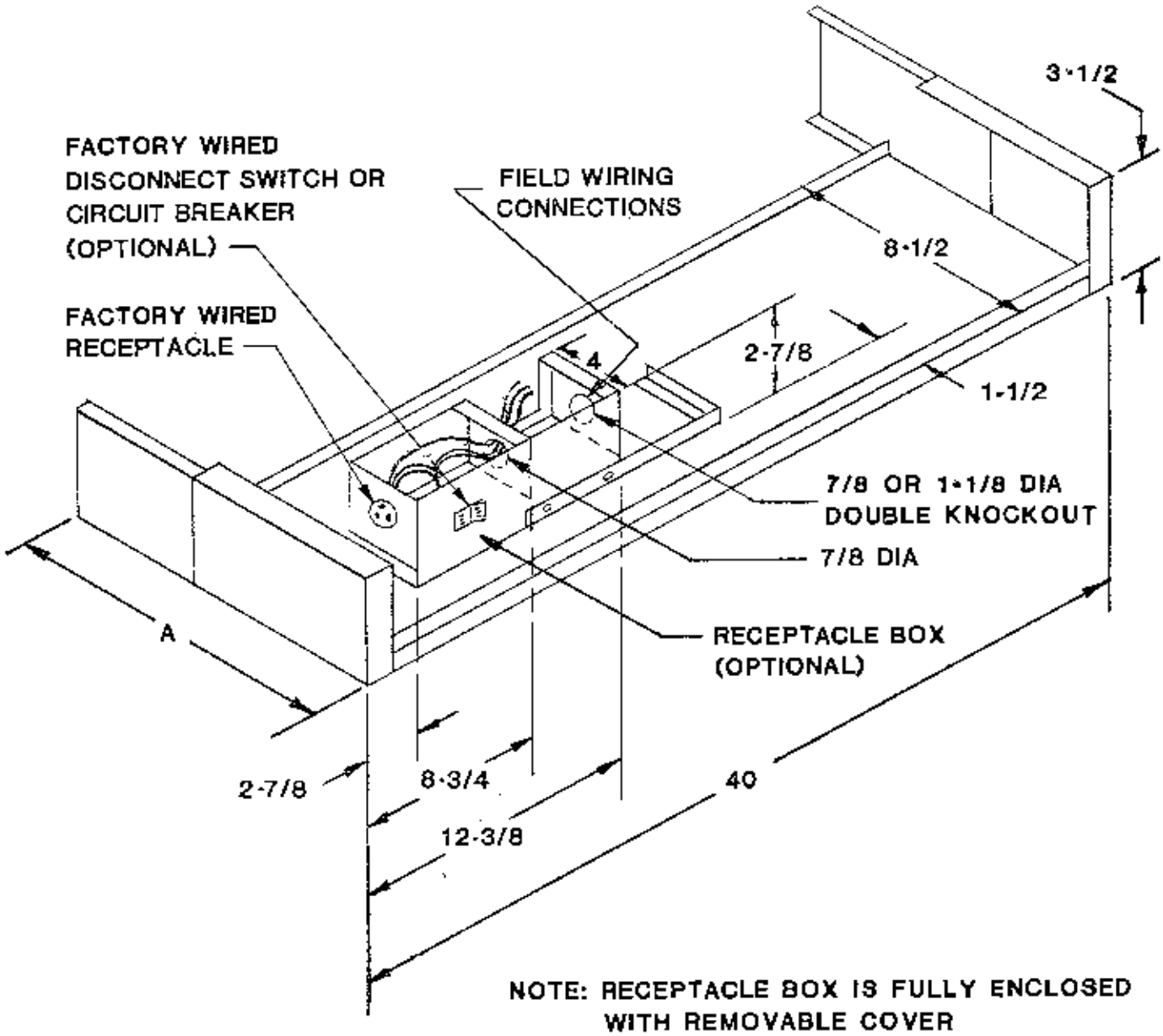
DIMENSIONS

702-703-704 SP SERIES SUBBASE

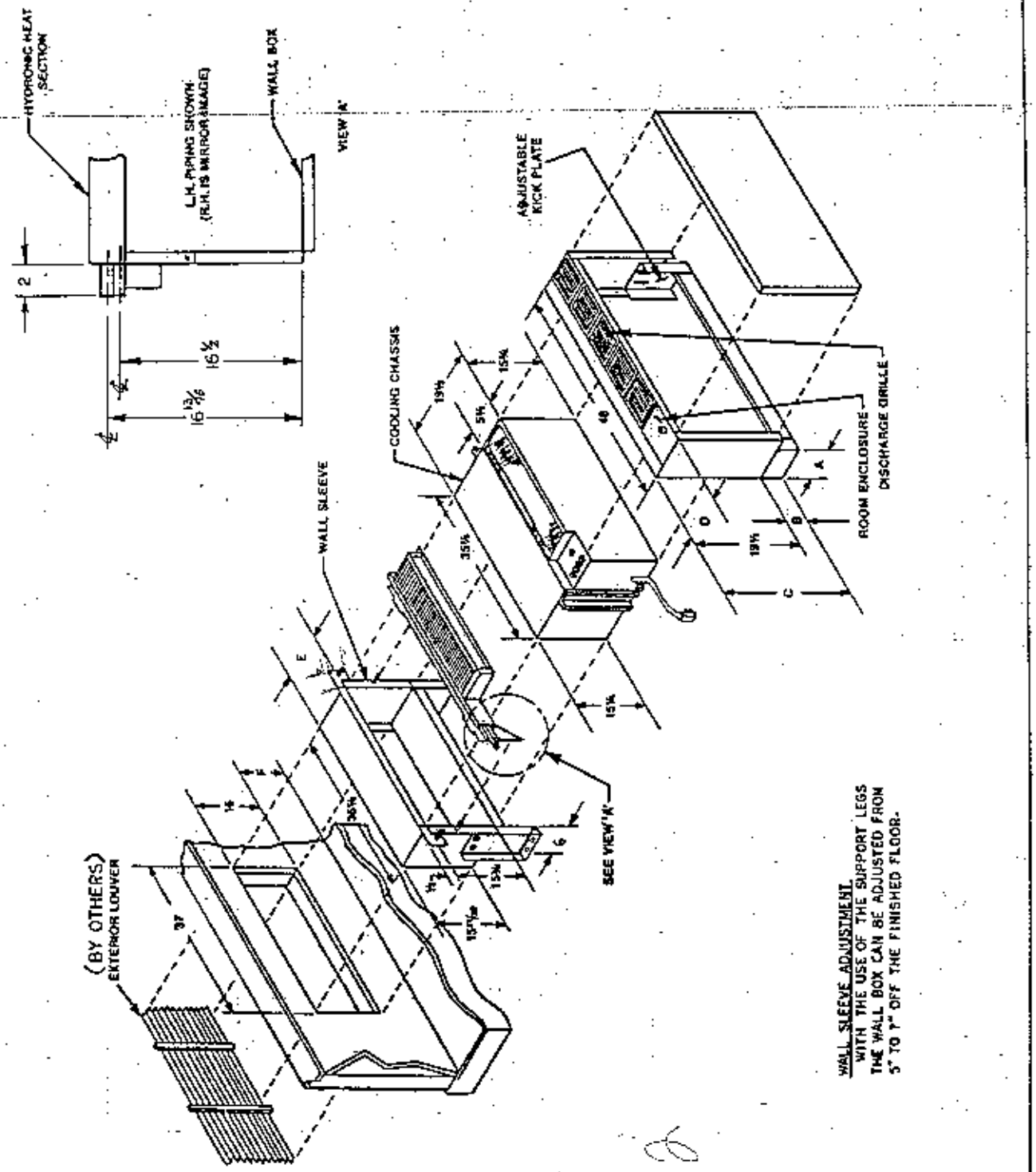


NOTE: RECEPTACLE BOX IS FULLY ENCLOSED WITH REMOVABLE COVER

A – FIELD ADJUSTABLE 8-1/2 TO 20 (IN 1/2 INCREMENTS)

DIMENSIONS

702 - 703 MP SERIES



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PANEL Wall with leg stand
Hydronic Coil w/ 2" stub out + NO Valve

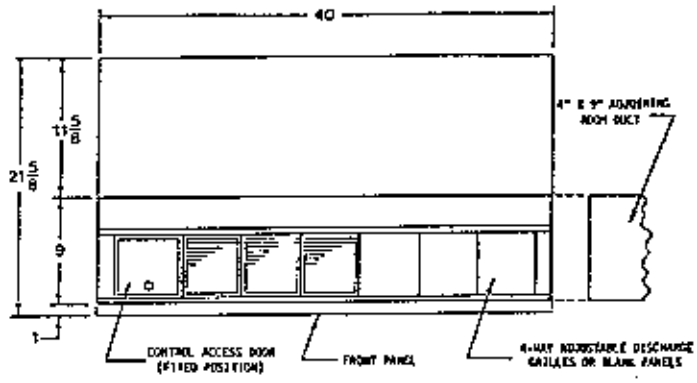
DIMENSIONS 702-703 SERIES
ADJOINING ROOM OUTLET OPTION

AIR FLOW CAPACITY RATIOS

No. Plenum Discharge Grilles	No. Blank Panels	*Adjoining Room Air Flow
2	4	40%
3	3	30%
4	2	20%
5	1	15%
6	0	10%

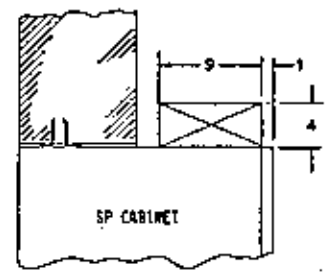
*Based on one three-foot duct extension. For each additional section up to a maximum of five (15 feet) deduct 1% from adjoining room air flow.

TOP VIEW - SP CABINET

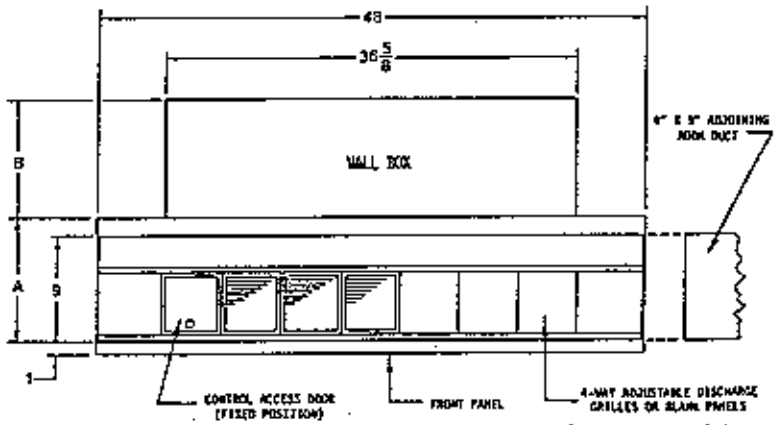


PARTIAL LEFT SIDE VIEW

SP CABINET
(REQUIRES 10-1/2" MINIMUM ROOM PROJECTION)



TOP VIEW--MP CABINET & WALL BOX

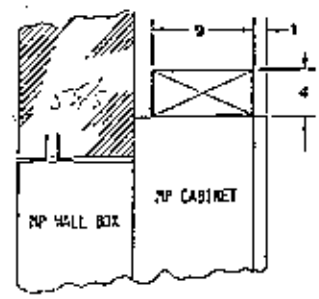


"A" DIMENSION 10½" -- 15½"

"B" DIMENSION 10" -- 25"

PARTIAL LEFT SIDE VIEW

MP CABINET
(SELF LOCATING)



NOTE: POSITIONS SHOWN ARE THE MINIMUM ROOM PROJECTION

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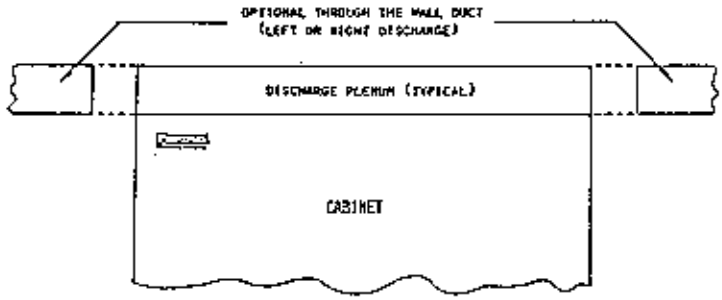
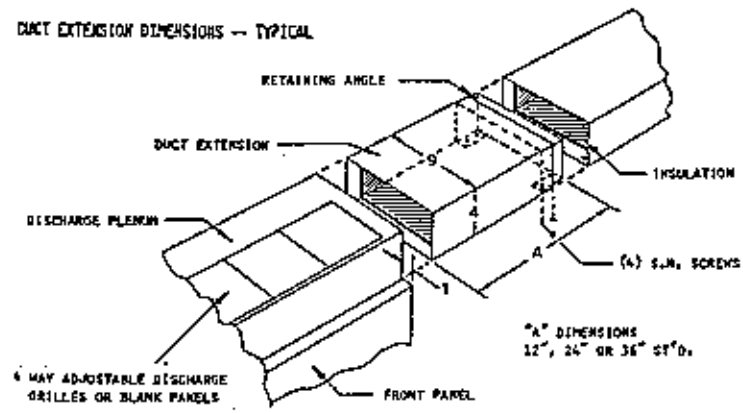
PARTIAL FRONT VIEW



DUCT EXTENSION DIMENSIONS — TYPICAL



NOTES:

1. The discharge plenum and all extensions are internally insulated.
2. The first extension section slides inside either end of plenum and is held in place by the clips inside the discharge plenum.
3. Additional extensions are joined together by a retaining angle, and secured by (4) S. M. screws.
4. A maximum of (5) 3' extension sections (15') can be used per unit.
5. Extensions less than standard lengths can be cut to size in the field.
6. Multiple duct extensions must be supported every 3' or at each joint by installing contractor.
7. Extensions may be used on the right or left end of the plenum. The unused end is blocked off by a end cap.
8. Adjust adjoining room air flow by adding or removing discharge grilles and blank panels per the capacity chart. Always add grilles starting from the plenum and opposite the extension.
9. There must be return air provisions made between the main and secondary rooms. This could be a louvered, or undercut door, or a transfer grille through the common wall.
10. Plenum and extensions are painted to match the cabinet/wall sleeve.
11. Secondary room discharge grille furnished by Friedrich (optional).

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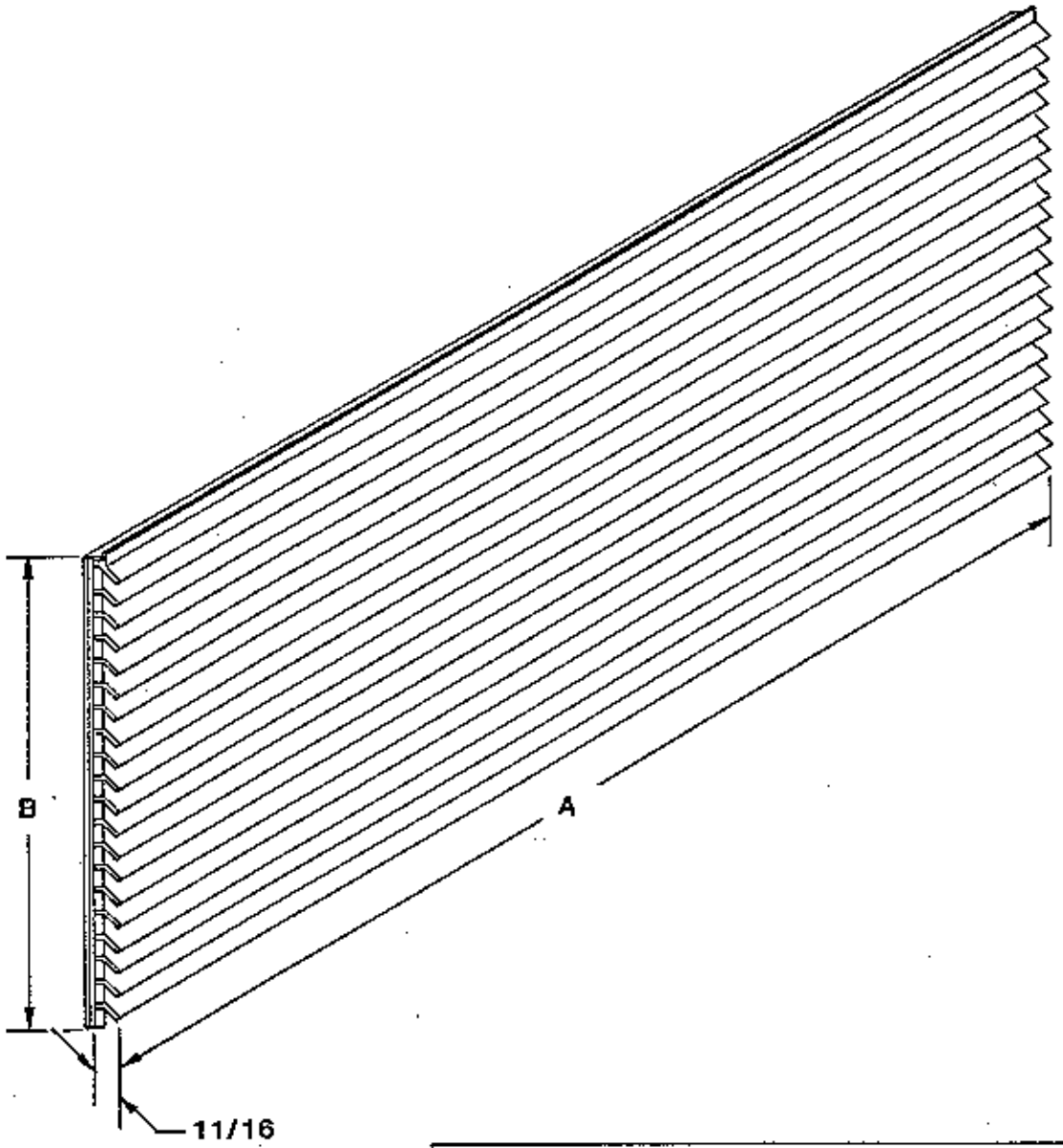
PRODUCT INFORMATION
LOUVER 702 / 703 SERIES



DIMENSIONS		
702/703 SERIES	A	B
MP WALLBOX	36 5/32	15 1/2
SP CABINET	39 17/32	15 31/32

Note:

Material - .060 Aluminum Vane

Finish - Clear Anodize Throughout

Continuing engineering research results in steady improvements. Therefore, these specifications are subject to change without notice.

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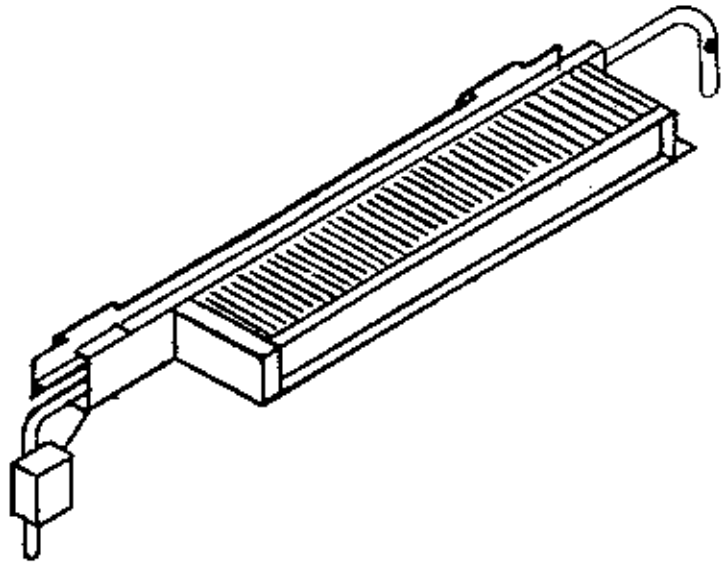
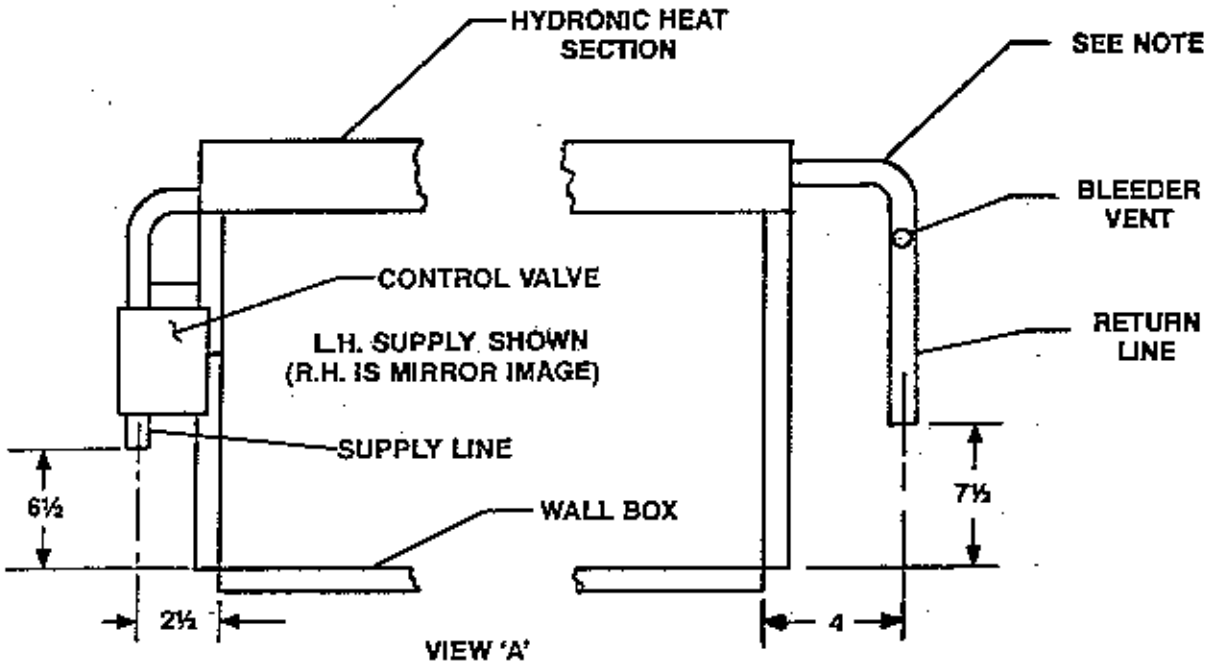
SUBMITTAL

702 MP® W/ HYDRONIC OPPOSITE END CONNECTIONS





VIEW 'A'

NOTE:
DIMENSION FROM FRONT FLANGE OF WALL SLEEVE TO CENTER LINE OF PIPING ON HYDRONIC HEAT SECTION IS 2".

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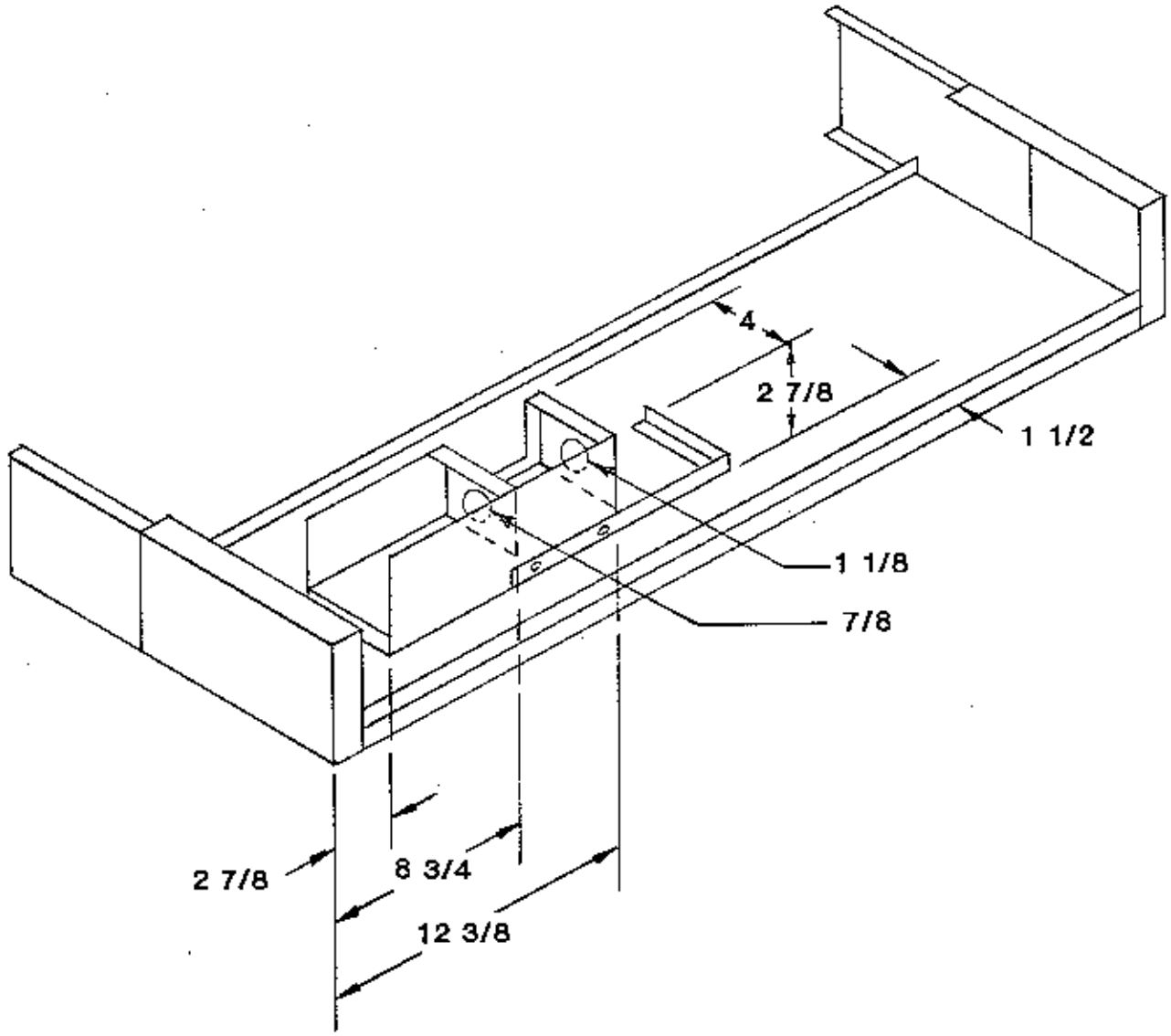
DIMENSIONS

702SP / 703SP SERIES



LOCATION OF ELECTRICAL RECEPTACLE BOX

Continuing engineering research results in steady improvements. Therefore, these specifications are subject to change without notice.

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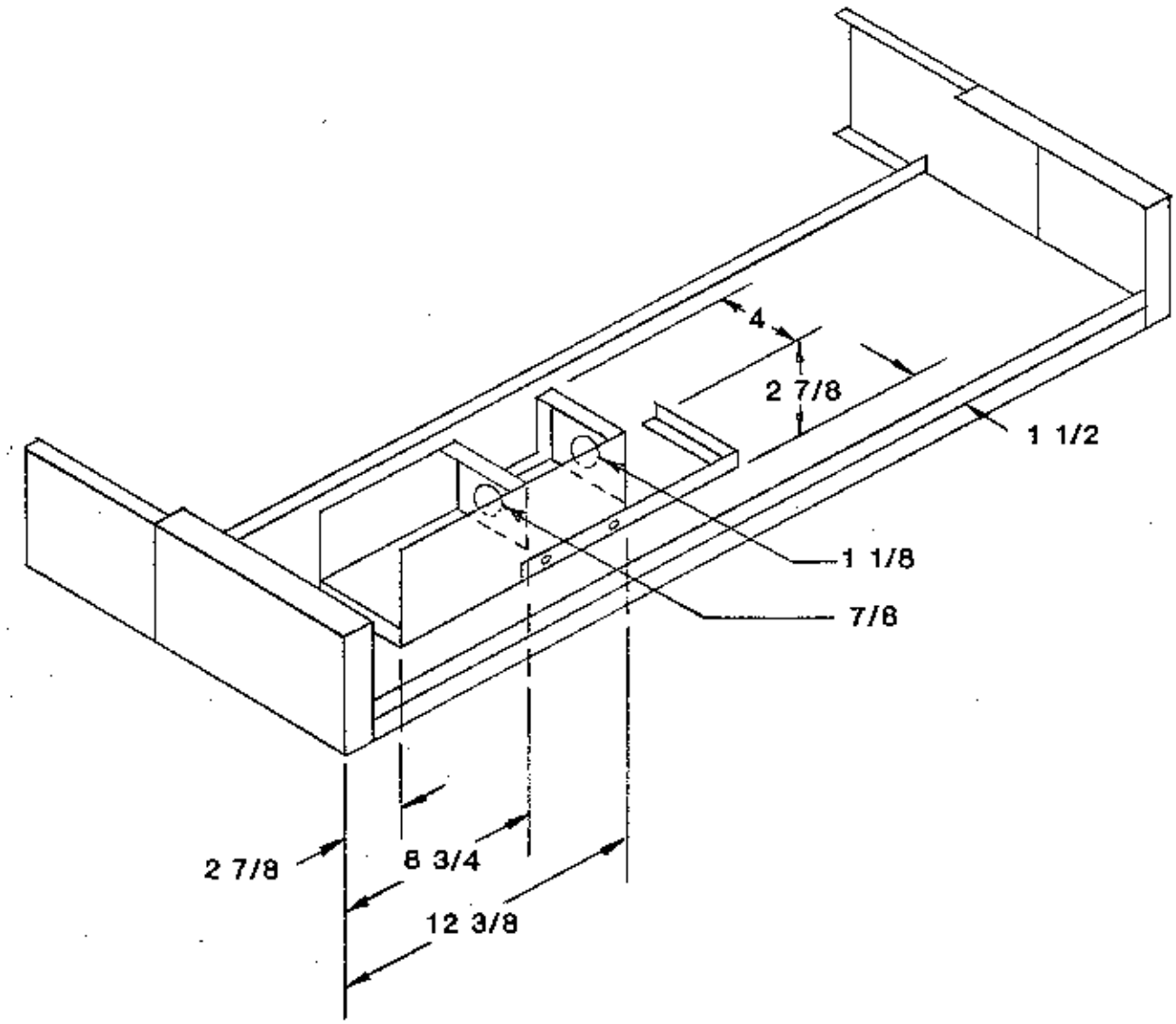
DIMENSIONS

702SP / 703SP SERIES



LOCATION OF ELECTRICAL RECEPTACLE BOX

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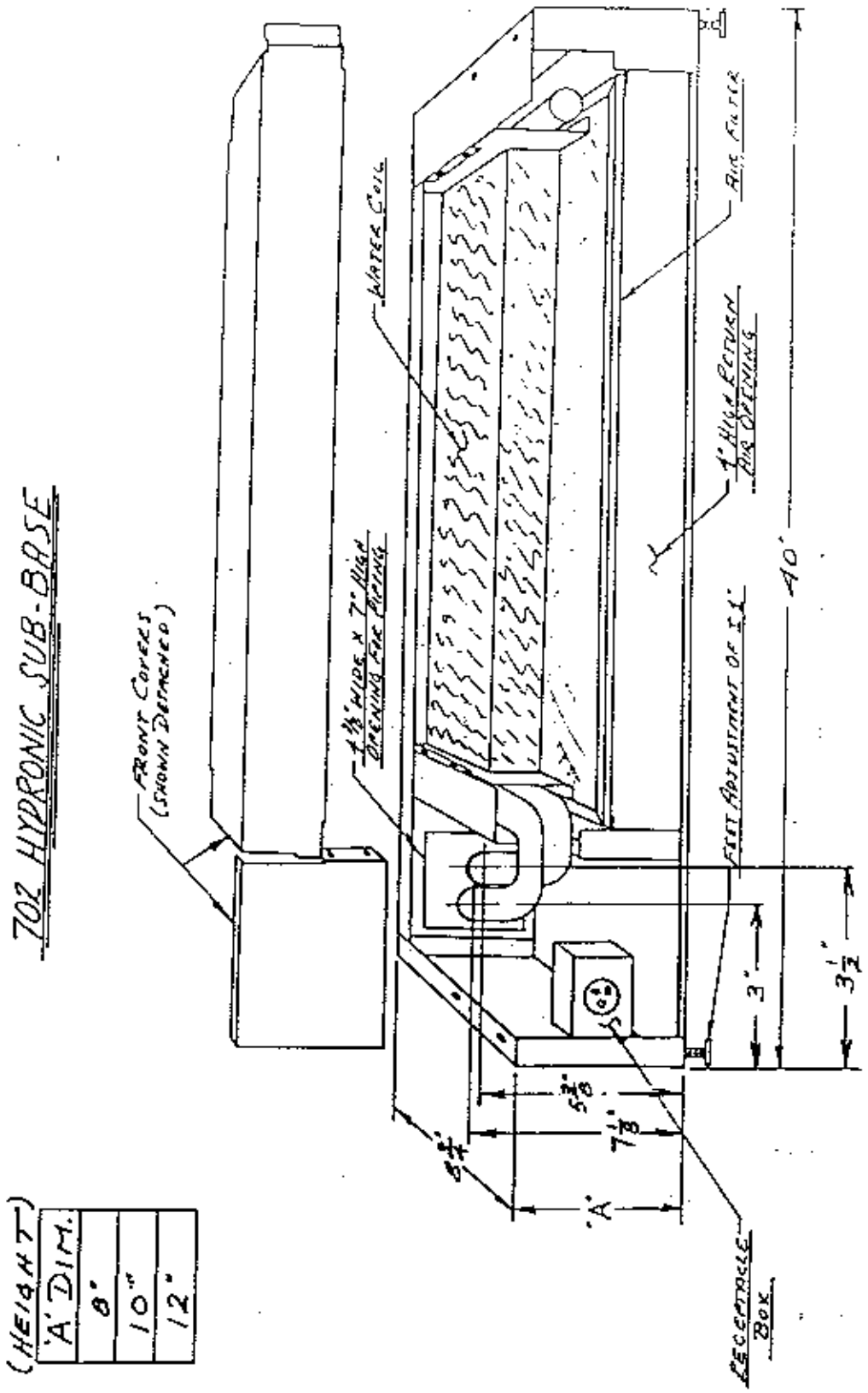
702 HYDRONIC SUB-BASE



(HEIGHT)

'A' DIM.
8"
10"
12"

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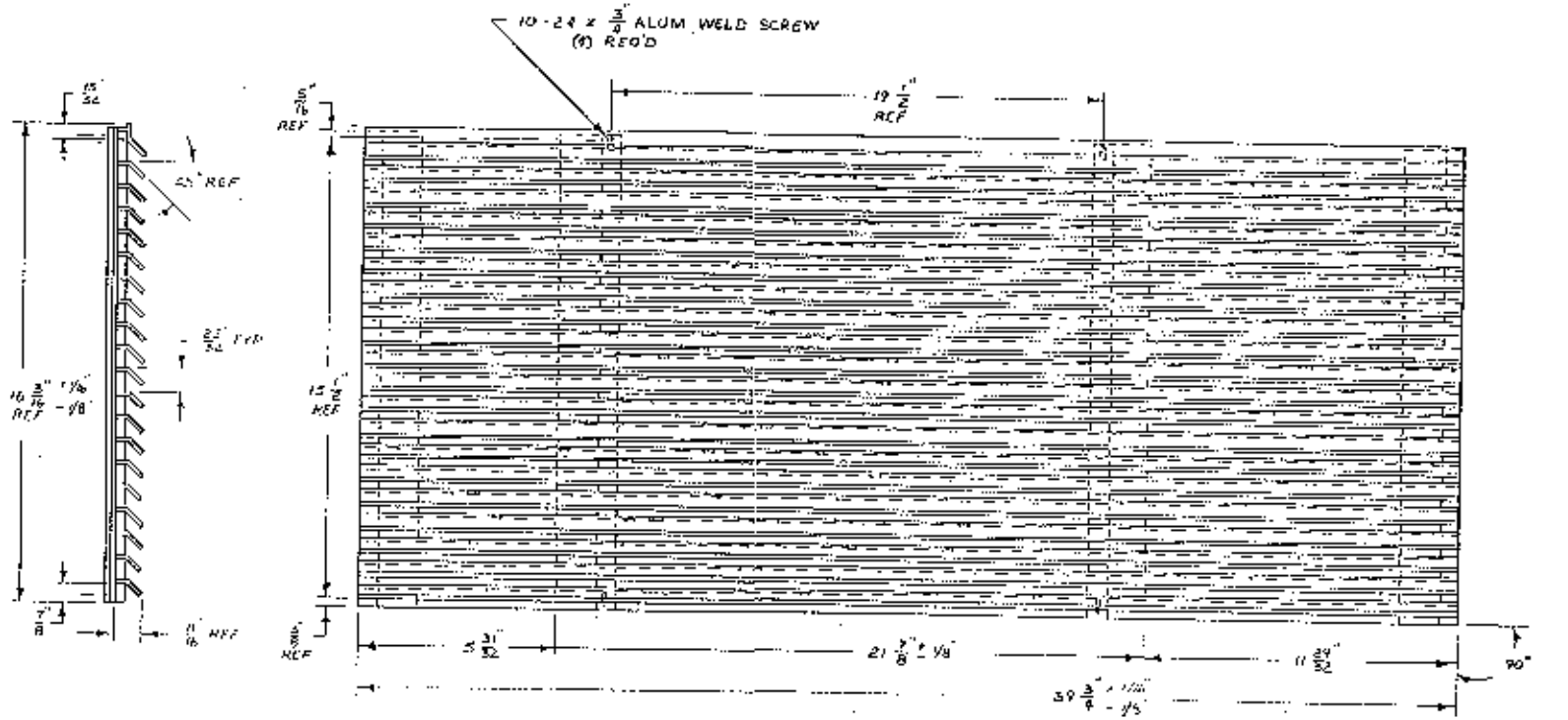
APPROVED VENDOR :

RELIABLE METAL PRODUCTS INC.
GENEVA ALABAMA



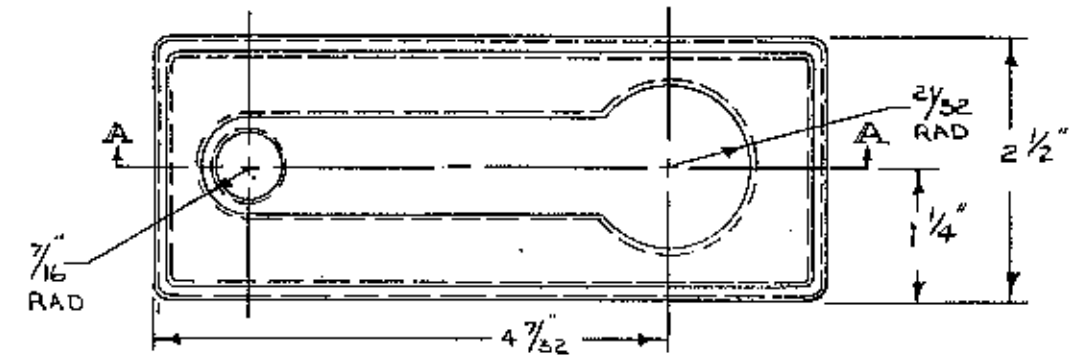
NOTES :

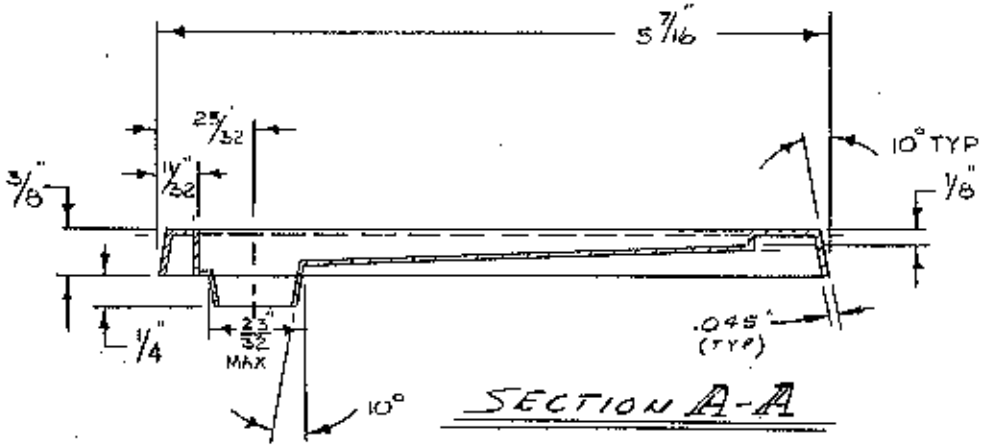
1) MATERIAL .040" ALUM VANE
2) FINISH CLEAR ANODIZE THROUGHOUT
3) STAKING OPERATION TO SECURE VANES TIGHTLY (WITHOUT RATTLE)
4) ASSEMBLY TO BE SQUARE ± 26'

684728 AS SHOWN

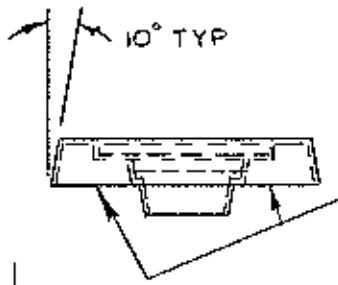
Friedrich	
LOUVER ASSY 702 - SP	
ALSPEC (REF)	684728
SEE NOTES	684728

PART NO.	VENDOR NO.	VENDOR	DESCRIPTION
68493700			





SECTION A-A



CAVITY TO BE POLY-URETHANE FOAM FILLED. FILL MAY NOT EXTEND PAST FLUSH!

REV.	DESCRIPTION	ECR. NO.	DATE	APPROVED

DWG 684937

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:
3 PLACE DECIMALS ±
2 PLACE DECIMALS ±
ANGLES ±
FRACTIONS ±

MATERIAL: POLYVINYLCHLORIDE BLACK PIGMENT

SIGNATURES	M	D	Y
DRAWN S. VEDETE	7	15	1993
CHECKED			
ENGRG.			
MFG.			
ISSUED			

Friedrich

FRIEDRICH AIR CONDITIONING & REFRIGERATION CO.
7007 BEECHGROVE PLACE
UTICA, N.Y. 13501

TITLE: DRAIN PAN - MOLDED

703 UNITS

DRAWING NO. 684937

SCALE ~ SH. 1 OF 1

DIMENSIONS

702-703 SP SERIES

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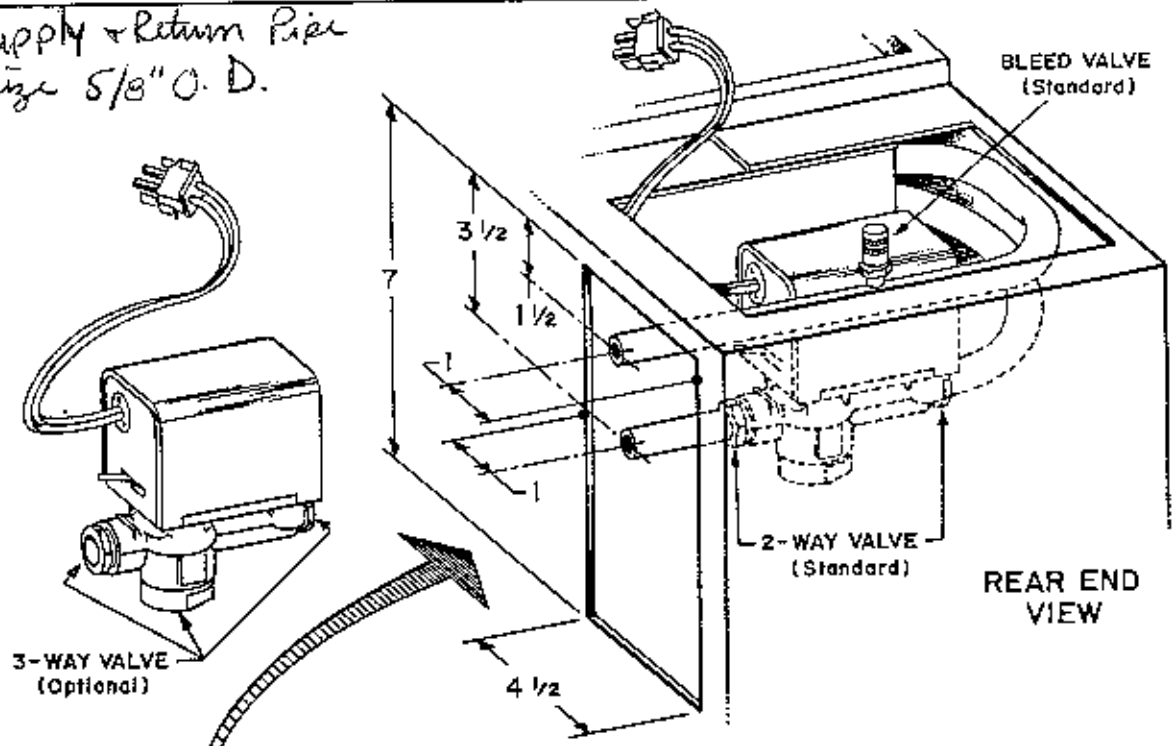
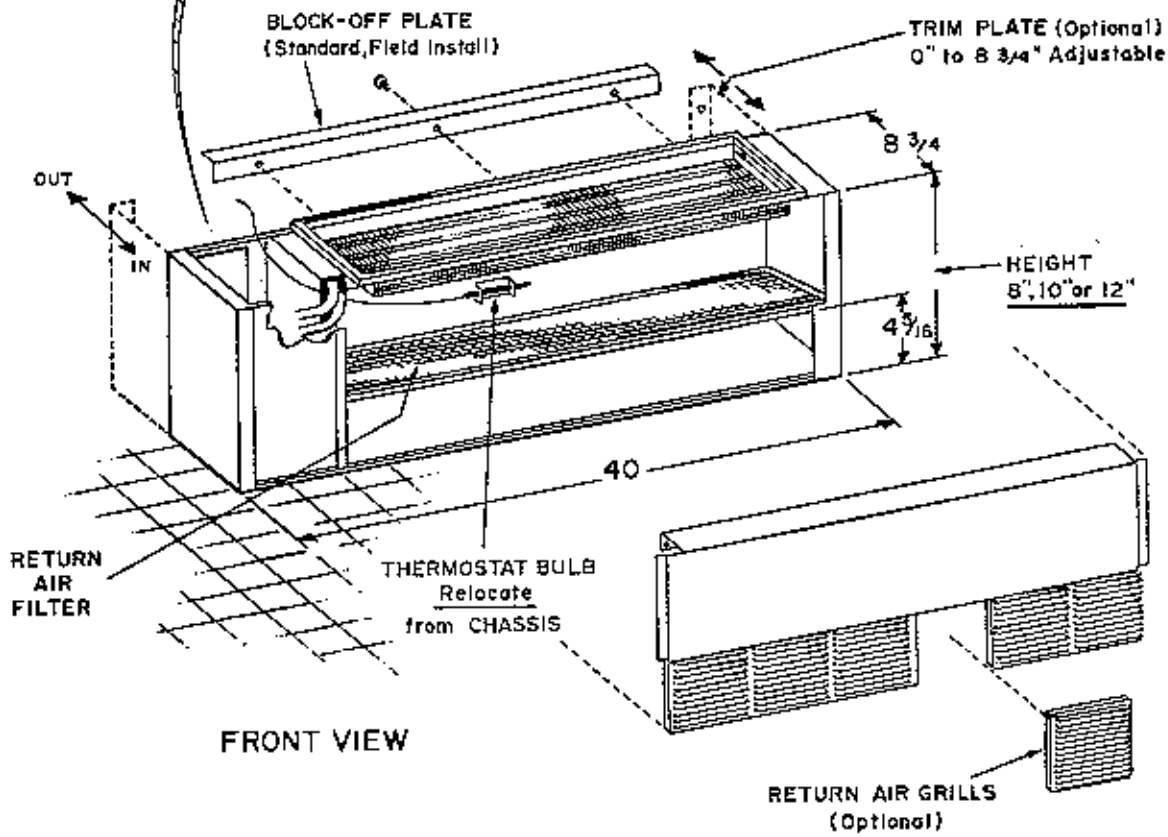
PRODUCT INFORMATION

SP CABINET HYDRONIC SUBBASE

Supply + Return Pipe Size 5/8" O.D.





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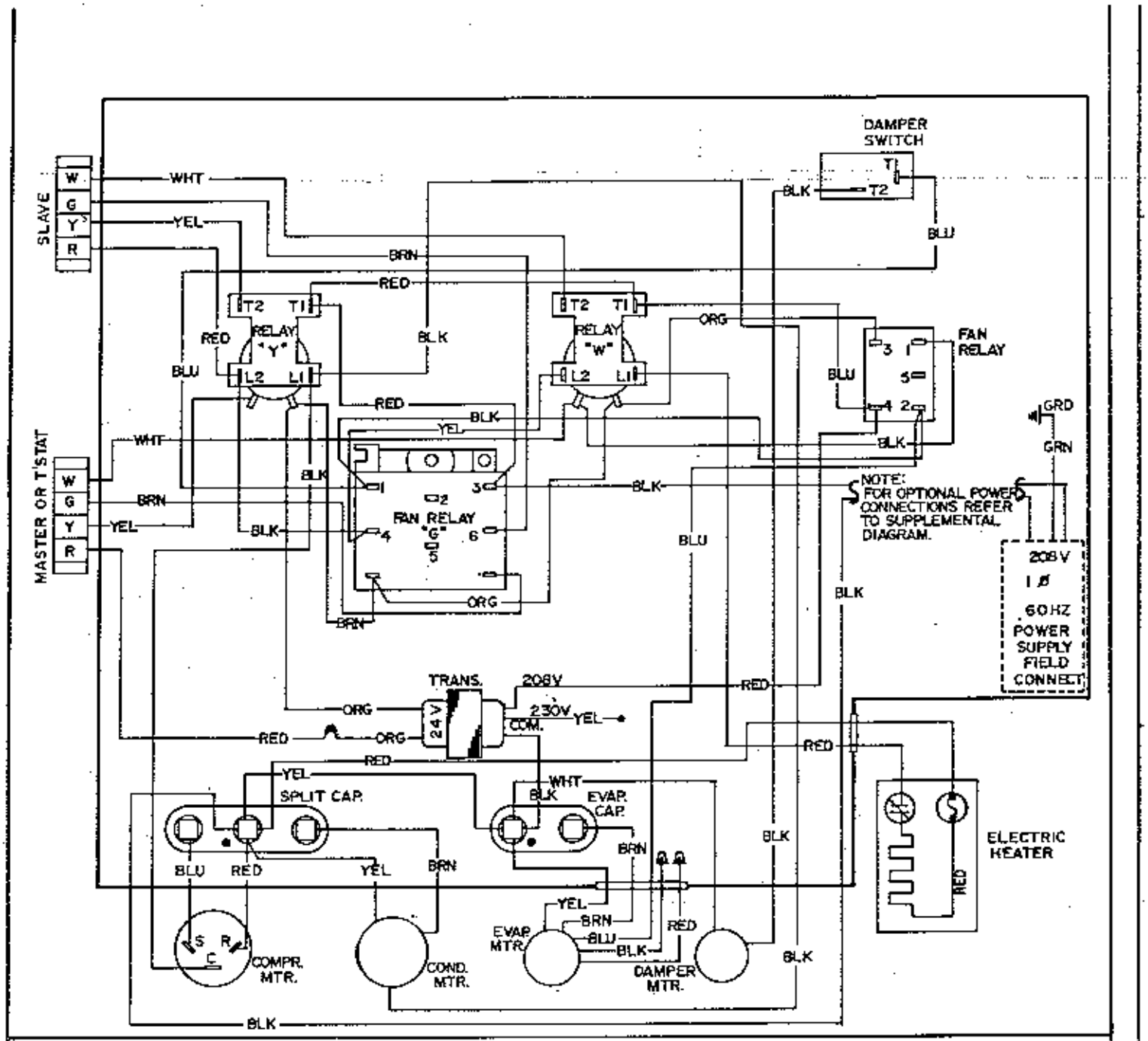
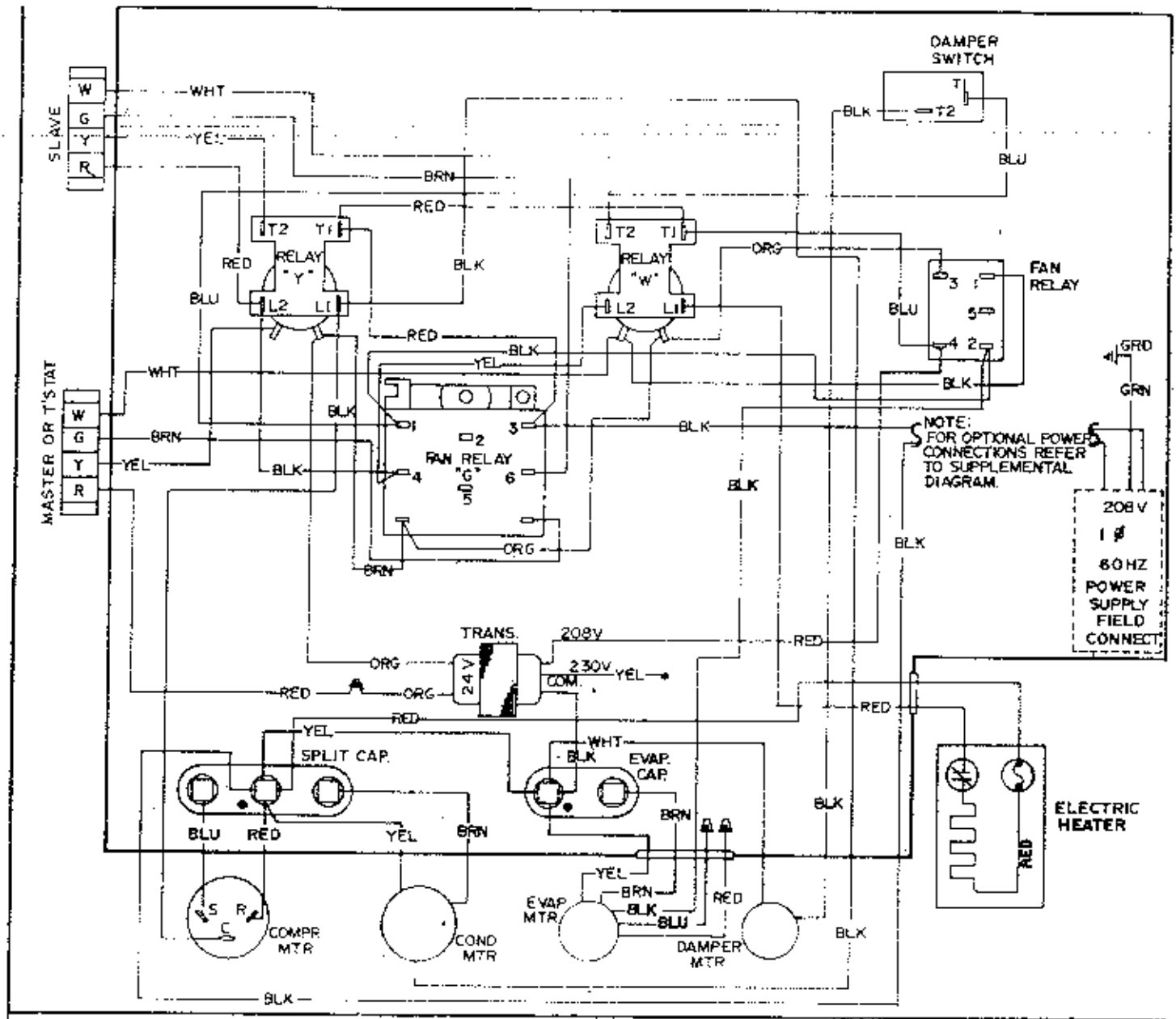


WIRING DIAGRAM

702 SERIES -07,-12 MASTER SLAVE / REMOTE-THERMOSTAT, ELECTRIC HEAT 208 VOLT



WIRING DIAGRAM

702 SERIES -09, -15 MASTER SLAVE / REMOTE - THERMOSTAT, ELECTRIC HEAT 208 VOLT

ELECTRICAL DATA

702 SERIES

PLATE NO.	BASIC MODEL NO.	COOLING CAP. BTUH	VOLTS	CYCLE	PHASE	COMPR. L.R.A.	CHARGE R-22,OZ.	BLWR. AMPS	BLWR. H.P.	FAN AMPS	FAN H.P.	COMPR. R.L.A.	HEATER AMPS	TOTAL AMPS COOLING	TOTAL AMPS HEATING	MINIMUM CIRCUIT AMPACITY	MAXIMUM FUSE OR H.A.C.R.	MINIMUM VOLTAGE
00	702-07AH	7200	115	60	1	29.8	20	1.0	1/20	1.4	1/8	5.7	-	8.1	1.0	12	15	-
01	702-07AS	7200	115	60	1	29.8	20	1.0	1/20	1.4	1/8	5.7	-	8.1	1.0	12	15	-
02	702-07GH	7100/7200	208/230	60	1	15.9	20	.45	1/20	.70	1/8	2.9	-	4.05	.50	12	15	197
03	702-07GS	7100/7200	208/230	60	1	15.9	20	.45	1/20	.70	1/8	2.9	-	4.05	.50	12	15	197
04	702-07GE20	7100/7200	208/230	60	1	15.9	20	.45	1/20	.70	1/8	2.9	10.65	4.05	11.1	15	15	197
05	702-07GE30	7100/7200	208/230	60	1	15.9	20	.45	1/20	.70	1/8	2.9	16.15	4.05	16.6	22	20	197
06	702-07BE40	7100	208	60	1	15.9	20	.45	1/20	.70	1/8	2.9	19.25	4.05	19.7	25	25	197
07	702-07EH	7200	265	60	1	12.3	20	.45	1/20	.70	1/8	2.7	-	3.85	.50	12	15	-
08	702-07ES	7200	265	60	1	12.3	20	.45	1/20	.70	1/8	2.7	-	3.85	.50	12	15	-
09	702-07EE33	7200	265	60	1	12.3	20	.45	1/20	.70	1/8	2.7	12.25	3.85	12.7	17	15	-
10	702-07EE40	7200	265	60	1	12.3	20	.45	1/20	.70	1/8	2.7	15.15	3.85	15.6	20	20	-
11	702-09AH	8900	115	60	1	40.0	26	1.0	1/20	1.4	1/8	7.6	-	10.0	1.0	12	20	-
12	702-09AS	8900	115	60	1	40.0	26	1.0	1/20	1.4	1/8	7.6	-	10.0	1.0	12	20	-
13	702-09GH	8800/8900	208/230	60	1	20.0	26	.45	1/20	.70	1/8	3.8	-	4.95	.50	12	15	197
14	702-09GS	8800/8900	208/230	60	1	20.0	26	.45	1/20	.70	1/8	3.8	-	4.95	.50	12	15	197
15	702-09GE20	8800/8900	208/230	60	1	20.0	26	.45	1/20	.70	1/8	3.8	10.65	4.95	11.1	15	15	197
16	702-09GE30	8800/8900	208/230	60	1	20.0	26	.45	1/20	.70	1/8	3.8	16.15	4.95	16.6	22	20	197
17	702-09EE40	8800	208	60	1	20.0	26	.45	1/20	.70	1/8	3.8	19.25	4.95	19.7	25	25	197
18	702-09EH	8900	265	60	1	16.0	26	.45	1/20	.70	1/8	3.3	-	4.45	.50	12	15	-
19	702-09ES	8900	265	60	1	16.0	26	.45	1/20	.70	1/8	3.3	-	4.45	.50	12	15	-
20	702-09EE33	8900	265	60	1	16.0	26	.45	1/20	.70	1/8	3.3	12.25	4.45	12.7	17	15	-
21	702-09EE40	8900	265	60	1	16.0	26	.45	1/20	.70	1/8	3.3	15.15	4.45	15.6	20	20	-
22	702-12GH	11800/12000	208/230	60	1	28.9	22.5	.55	1/12	.75	1/12	5.5	-	6.80	.60	12	15	197
23	702-12GS	11800/12000	208/230	60	1	28.9	22.5	.55	1/12	.75	1/12	5.5	-	6.80	.60	12	15	197
24	702-12GE20	11800/12000	208/230	60	1	28.9	22.5	.55	1/12	.75	1/12	5.5	10.65	6.80	11.2	15	15	197
25	702-12GE30	11800/12000	208/230	60	1	28.9	22.5	.55	1/12	.75	1/12	5.5	16.15	6.80	16.7	22	20	197
26	702-12EE40	11800	208	60	1	28.9	22.5	.55	1/12	.75	1/12	5.5	19.25	6.80	19.8	25	25	197
27	702-12EH	12000	265	60	1	25.3	22.5	.50	1/12	.65	1/12	4.6	-	5.75	.55	12	15	-
28	702-12ES	12000	265	60	1	25.3	22.5	.50	1/12	.65	1/12	4.6	-	5.75	.55	12	15	-
29	702-12EE33	12000	265	60	1	25.3	22.5	.50	1/12	.65	1/12	4.6	12.3	5.75	12.8	17	15	-
30	702-12EE40	12000	265	60	1	25.3	22.5	.50	1/12	.65	1/12	4.6	15.1	5.75	15.6	20	20	-
31	702-15GH	14700/15000	208/230	60	1	42.0	32	.55	1/12	.75	1/12	7.7	-	9.0	.60	12	15	197
32	702-15GS	14700/15000	208/230	60	1	42.0	32	.55	1/12	.75	1/12	7.7	-	9.0	.60	12	15	197
33	702-15GE20	14700/15000	208/230	60	1	42.0	32	.55	1/12	.75	1/12	7.7	10.65	9.0	11.2	15	15	197
34	702-15GE30	14700/15000	208/230	60	1	42.0	32	.55	1/12	.75	1/12	7.7	16.15	9.0	16.7	22	20	197
35	702-15EE40	14700	208	60	1	42.0	32	.55	1/12	.75	1/12	7.7	19.25	9.0	19.8	25	25	197
36	702-15EH	15000	265	60	1	41.3	32	.50	1/12	.65	1/12	7.4	-	8.55	.55	12	15	-
37	702-15ES	15000	265	60	1	41.3	32	.50	1/12	.65	1/12	7.4	-	8.55	.55	12	15	-
38	702-15EE33	15000	265	60	1	41.3	32	.50	1/12	.65	1/12	7.4	12.30	8.55	12.8	17	15	-
39	702-15EE40	15000	265	60	1	41.3	32	.50	1/12	.65	1/12	7.4	15.10	8.55	15.6	20	20	-
40	702-07GE37	7100/7200	208/230	60	1	15.9	20	.45	1/20	.70	1/8	2.9	19.55	4.05	20.0	25	25	197
41	702-09GE37	8800/8900	208/230	60	1	20.0	26	.45	1/20	.70	1/8	3.8	19.55	4.95	20.0	25	25	197
42	702-12GE37	11800/12000	208/230	60	1	28.9	22.5	.55	1/12	.75	1/12	5.5	19.55	6.80	20.1	25	25	197
43	702-15GE37	14700/15000	208/230	60	1	42.0	32	.55	1/12	.75	1/12	7.7	19.55	9.0	20.1	25	25	197

Continuing engineering research results in steady improvements. Therefore, these specifications are subject to change without notice.

Printed in U.S.A. 5/83

Friedrich Climate Master®

ELECTRICAL DATA

703 SERIES

PLATE NO.	BASIC MODEL #	COOLING CAP. BTUH	HEATING CAP. BTUH	VOLTS	CYCLE	PH	COMP. L.R.A.	R-22 CHRG.	BLWR. AMPS	BLWR. H.P.	FAN AMPS	FAN H.P.	COMPR. AMPS	ELEC. HTR.	TOTAL CLG. AMPS	TOTAL HTG. AMPS	MAX FUSE AMPS	MINIMUM VOLTAGE SIZE
00	7030700	6800/6900	6000/6100	208/230	60	1	18.0	26	.45	1/20	.70	1/8	2.5		3.65	3.2	15	
01	7030701	6800/6900	6000/6100	208/230	60	1	18.0	26	.45	1/20	.70	1/8	2.5	10.65	3.65	12.1	15	
02	7030702	6800/6900	6000/6100	208/230	60	1	18.0	26	.45	1/20	.70	1/8	2.5	16.15	3.65	16.6	20	
03	7030704	6800/6900	6000/6100	208/230	60	1	18.0	26	.45	1/20	.70	1/8	2.5	19.55	3.65	20.0	25	
04	7030705	6800	6000	208	60	1	18.0	26	.45	1/20	.70	1/8	2.5	19.25	3.65	19.7	25	
05	7030700	6900	6100	265	60	1	12.0	26	.45	1/20	.70	1/8	1.9		3.05	2.7	15	
06	7030703	6900	6100	265	60	1	12.0	26	.45	1/20	.70	1/8	1.9	12.25	3.05	12.7	15	
07	7030705	6900	6100	265	60	1	12.0	26	.45	1/20	.70	1/8	1.9	15.15	3.05	15.6	20	
08	7030960	9000/9100	8100/8200	208/230	60	1	25.0	30	.45	1/20	.70	1/8	3.7		4.85	4.2	15	
09	7030961	9000/9100	8100/8200	208/230	60	1	25.0	30	.45	1/20	.70	1/8	3.7	10.65	4.85	11.1	15	
10	7030962	9000/9100	8100/8200	208/230	60	1	25.0	30	.45	1/20	.70	1/8	3.7	16.15	4.85	16.6	20	
11	7030964	9000/9100	8100/8200	208/230	60	1	25.0	30	.45	1/20	.70	1/8	3.7	19.55	4.85	20.0	25	
12	7030965	9000	8100	208	60	1	25.0	30	.45	1/20	.70	1/8	3.7	19.25	4.85	19.7	25	
13	7030900	9100	8200	265	60	1	17.0	30	.45	1/20	.70	1/8	2.85		4.0	3.5	15	
14	7030903	9100	8200	265	60	1	17.0	30	.45	1/20	.70	1/8	2.85	12.25	4.0	12.7	15	
15	7030905	9100	8200	265	60	1	17.0	30	.45	1/20	.70	1/8	2.85	15.15	4.0	15.6	20	
16	7031200	11800/12000	10800/11000	208/230	60	1	28.9	36.5	.55	1/12	.75	1/12	5.8	*	7.1	5.9	15	197
17	7031201	11800/12000	10800/11000	208/230	60	1	28.9	36.5	.55	1/12	.75	1/12	5.8	10.65	7.1	11.2	15	197
18	7031202	11800/12000	10800/11000	208/230	60	1	28.9	36.5	.55	1/12	.75	1/12	5.8	16.15	7.1	16.7	20	197
19	7031204	11800/12000	10800/11000	208/230	60	1	28.9	36.5	.55	1/12	.75	1/12	5.8	19.55	7.1	20.1	25	197
20	7031205	11800	10800	208	60	1	28.9	36.5	.55	1/12	.75	1/12	5.8	19.25	7.1	19.8	25	
21	7031200	12000	11000	265	60	1	25.3	36.5	.50	1/12	.65	1/12	4.25		5.4	4.5	15	
22	7031203	12000	11000	265	60	1	25.3	36.5	.50	1/12	.65	1/12	4.25	12.25	5.4	12.75	15	
23	7031205	12000	11000	265	60	1	25.3	36.5	.50	1/12	.65	1/12	4.25	15.15	5.4	15.65	20	
24	7031560	14300/14600	13200/13500	208/230	60	1	40.0	33.0	.55	1/12	.75	1/12	8.2		9.5	7.6	15	197
25	7031561	14300/14600	13200/13500	208/230	60	1	40.0	33.0	.55	1/12	.75	1/12	8.2	10.65	9.5	11.25	15	197
26	7031562	14300/14600	13200/13500	208/230	60	1	40.0	33.0	.55	1/12	.75	1/12	8.2	16.15	9.5	16.70	20	197
27	7031564	14300/14600	13200/13500	208/230	60	1	40.0	33.0	.55	1/12	.75	1/12	8.2	19.55	9.5	20.1	25	197
28	7031585	14300	13200	208	60	1	40.0	33.0	.55	1/12	.75	1/12	8.2	19.25	9.5	19.8	25	197
29	7031500	14600	13500	265	60	1	35.0	33.0	.50	1/12	.65	1/12	6.45		7.6	6.1	15	
30	7031503	14600	13500	265	60	1	35.0	33.0	.50	1/12	.65	1/12	6.45	12.25	7.6	12.75	15	
31	7031505	14600	13500	265	60	1	35.0	33.0	.50	1/12	.65	1/12	6.45	15.15	7.6	15.65	20	
32	7031585	14300	13200	208	60	1	40.0	33.0	.55	1/12	.75	1/12	8.2	14.4	9.5	14.95	20	197
33	7031584	14300	13200	208	60	1	40.0	33.0	.55	1/12	.75	1/12	8.2	17.8	9.5	18.35	20	197

11/1/83

ELECTRICAL DATA

704 SERIES

MODEL NUMBER	VOLTAGE	R22 CHARGE	COMPRESSOR			BLOWER		FAN		ELEC. HEAT	COOL CYCLE TOTAL AMPS	HEAT CYCLE TOTAL AMPS	MIN. CIRC. AMP-ACITY	MIN. FUSE/ HACR SIZE	MIN. VOLT-AGE	PLUG TYPE (OPT)
SER-SZ-V-H-C	VOLTS/PHASE/CYCLES	(OZ)	CD	LRA	RLA	HP	AMPS	HP	AMPS	(AMPS)						
704-06-G-1-A	208/230-1-60	16.0	RH	17.0	2.9	1/20	0.45	1/12	0.75	8.75	4.10	9.20	12	15	197	6-20
704-06-G-2-A	208/230-1-60	16.0	RH	17.0	2.9	1/20	0.45	1/12	0.75	12.85	4.10	13.30	17	15	197	6-20
704-06-G-3-A	208/230-1-60	16.0	RH	17.0	2.9	1/20	0.45	1/12	0.75	15.05	4.10	15.50	20	20	197	6-20
704-06-G-O-A	208/230-1-60	16.0	RH	17.0	2.9	1/20	0.45	1/12	0.75	-	4.10	9.10	12	15	197	6-20
704-06-E-1-A	265-1-60	16.0	RH	16.0	2.8	1/20	0.45	1/12	0.65	10.05	3.90	10.50	14	15	-	7-20
704-06-E-O-A	265-1-60	16.0	RH	16.0	2.8	1/20	0.45	1/12	0.65	-	3.90	3.90	12	15	-	7-20
704-08-G-1-A	208/230-1-60	25.0	RH	20.0	3.6	1/20	0.45	1/12	0.75	8.75	4.80	9.20	12	15	197	6-20
704-08-G-2-A	208/230-1-60	25.0	RH	20.0	3.6	1/20	0.45	1/12	0.75	12.85	4.80	13.30	17	15	197	6-20
704-08-G-3-A	208/230-1-60	25.0	RH	20.0	3.6	1/20	0.45	1/12	0.75	15.05	4.80	15.50	20	20	197	6-20
704-08-G-O-A	208/230-1-60	25.0	RH	20.0	3.6	1/20	0.45	1/12	0.75	-	4.80	9.80	12	15	197	6-20
704-08-E-1-A	265-1-60	25.0	RH	17.5	2.7	1/20	0.45	1/12	0.65	10.05	3.80	10.50	14	15	-	7-20
704-08-E-O-A	265-1-60	25.0	RH	17.5	2.7	1/20	0.45	1/12	0.65	-	3.80	3.80	12	15	-	7-20
704-12-G-4-A	208-1-60	30.5	RH	27.0	5.8	1/12	0.55	1/12	0.75	17.70	7.10	18.25	23	20	197	6-20
704-12-G-1-A	208/230-1-60	30.5	RH	27.0	5.8	1/12	0.55	1/12	0.75	8.75	7.10	11.50	14	15	197	6-20
704-12-G-2-A	208/230-1-60	30.5	RH	27.0	5.8	1/12	0.55	1/12	0.75	12.85	7.10	13.40	17	15	197	6-20
704-12-G-3-A	208/230-1-60	30.5	RH	27.0	5.8	1/12	0.55	1/12	0.75	15.05	7.10	15.60	20	20	197	6-20
704-12-G-O-A	208/230-1-60	30.5	RH	27.0	5.8	1/12	0.55	1/12	0.75	-	7.10	7.10	12	15	197	6-20
704-12-E-1-A	265-1-60	30.5	RH	26.0	4.2	1/12	0.50	1/12	0.65	10.05	5.40	10.55	14	15	-	7-20
704-12-E-2-A	265-1-60	30.5	RH	26.0	4.2	1/12	0.50	1/12	0.65	14.90	5.40	15.40	20	20	-	7-20
704-12-E-O-A	265-1-60	30.5	RH	26.0	4.2	1/12	0.50	1/12	0.65	-	5.40	5.40	12	15	-	7-20
704-14-G-4-A	208-1-60	35.0	RH	42.0	6.5	1/12	0.55	1/12	0.75	17.70	7.80	18.25	23	20	197	6-20
704-14-G-1-A	208/230-1-60	35.0	RH	42.0	6.5	1/12	0.55	1/12	0.75	8.75	7.80	12.20	15	20	197	6-20
704-14-G-2-A	208/230-1-60	35.0	RH	42.0	6.5	1/12	0.55	1/12	0.75	12.85	7.80	13.40	18	15	197	6-20
704-14-G-3-A	208/230-1-60	35.0	RH	42.0	6.5	1/12	0.55	1/12	0.75	15.05	7.80	15.60	20	20	197	6-20
704-14-G-O-A	208/230-1-60	35.0	RH	42.0	6.5	1/12	0.55	1/12	0.75	-	7.80	7.80	12	15	197	6-20
704-14-E-1-A	265-1-60	35.0	RH	25.3	5.0	1/12	0.50	1/12	0.65	10.05	6.15	11.20	14	15	-	7-20
704-14-E-2-A	265-1-60	35.0	RH	25.3	5.0	1/12	0.50	1/12	0.65	14.90	6.15	15.40	20	20	-	7-20
704-14-E-O-A	265-1-60	35.0	RH	25.3	5.0	1/12	0.50	1/12	0.65	-	6.15	6.15	12	15	-	7-20

NOTES:

MODEL NUMBER CONSISTS OF:

SER: Series (702, 703 or 704)
SZ: Unit Size (Nominal capacity in 1000's BTUH)

V: Voltage Code
H: Heater Code
C: Revision Code

LRA: Locked Rotor Amps
RLA: Running Load Amps
Blower: Evaporator (Indoor) Blower Motor
Fan: Condenser (Outdoor) Fan Motor

Minimum fuse or H.A.C.R. type circuit breaker size is shown.

NEMA plug designation shown for optional line cord.

Continuing engineering research results in steady improvements. Therefore, these specifications are subject to change without notice.

ClimateMaster
A COMBINATION OF CHP CORP. AND FRIEDRICH™ CLIMATE MASTER, INC.

PLATE NO.	BASIC MODEL NO.		VOLTS	CYCLE	PH	COMP LRA	R-22 CHARGE	F.L. AMPS	BLWR H.P.	FAN AMPS	FAN H.P.	COMPR AMPS	ELEC HTR AMPS	TOTAL AMPS COOLING	TOTAL AMPS HTG.	MIN CKT AMPACITY	MAX USE SIZE	
00	7030660		208/230	60	1	17.0	16 oz	.45	1/20	.75	1/12	2.9	—	4.1	4.1	12	15	197
01	7030661												—					
02	7030662												—					
03	7030663												10.65		11.1	15	15	
04	7030664												15.45		15.9	20	20	
05	7030664												19.55		20.0	24	25	
06	7030665		208										19.25		19.7	25	25	
07	7030666		208/230										8.75		9.2	12	15	
08	7030667												12.85		13.3	17	15	
09	7030668												15.05		15.5	20	20	
10	7030660		265			18.0				.65		2.8	—	3.9	3.9	12	15	—
11	7030661												—					—
12	7030665												—					—
13	7030663												12.25		12.7	17	15	—
14	7030665												15.15		15.6	20	20	—
15	7030666												10.05		10.5	14	15	—
16	7030667												14.90		15.35	20	20	—
17	7030860		208/230			20.0	25oz	.45	1/20	.75	1/12	3.6	—	4.8	4.8	12	15	197
18	7030861												—					
19	7030865												—					
20	7030863												10.65		11.1	15	15	
21	7030862												15.45		15.9	20	20	
22	7030864												19.55		20.0	24	25	
23	7030865		208										19.25		19.7	25	25	
24	7030666		208/230										8.75		9.2	12	15	
25	7030867												12.85		13.3	17	15	
26	7030868												15.05		15.5	20	20	
27	7030860		265			17.5				.65		2.7	—	3.8	3.8	12	15	—
28	7030860		265	60	1	17.5	25oz	.45	1/20	.65	1/12	2.7	—	3.8	3.8	12	15	—
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲

Friedrich

RATING PLATE
703 SERIES -06,-08,-12,-14

683720

SAN VITO

1 2 3 4

PLATE NO.	BASIC MODEL NO.			VOLTS	CYCLE	PH	COMP LRA	R-22 CHARGE	B A	BLWR H.P.	FAN AMPS	FAN H.P.	COMPR AMPS	ELEC HTR AMPS	TOTAL AMPS COOLING	TOTAL AMPS HTG.	MIN CKT AMPACITY	MAX USE SIZE	MIN VOLTS
29	7030BE5			265	60	1	17.5	25oz	.45	1/20	.65	1/12	2.7	—	3.8	3.8	12	15	—
30	7030BE3													12.25		12.7	17	15	—
31	7030BE5													15.15		15.6	20	20	—
32	7030BE6													10.05		10.5	14	15	—
33	7030BE7			265	60	1	17.5	25oz	.45	1/20	.65	1/12	2.7	14.90	3.8	15.35	20	20	—
34	7031240			208/230	60	1	27.0	30.5oz	.55	1/12	.75	1/12	5.8	—	7.1	7.1	12	15	197
35	7031241H													—					
36	7031245													—					
37	7031241													10.65		11.2	15	15	
38	7031242													15.45		16.0	20	20	
39	7031244													19.55		20.1	26	25	
40	7031285			208										19.25		19.8	25	25	
41	7031246			208/230										8.75		9.3	12	15	
42	7031247													12.85		13.4	17	15	
43	7031248													15.05		15.6	20	20	
44	7031289			208										17.7		18.25	23	20	
45	7031240			265			26.0		.50		.65		4.25	—	5.4	5.4	12	15	—
46	7031241H													—					—
47	7031245													—					—
48	7031243													12.25		12.75	17	15	—
49	7031245													15.15		15.65	20	20	
50	7031246													10.05		10.55	14	15	
51	7031247			265	60	1	26.0	30.5oz	.50	1/12	.65	1/12	4.25	14.9	5.4	15.4	20	20	
52	7031460			208/230	60	1	42.0	35oz	.55	1/12	.75	1/12	6.5	—	7.8	7.8	12	15	197
53	7031461H													—					
54	7031465													—					
55	7031461													10.65		11.2	15	15	
56	7031462			208/230	60	1	42.0	35 oz	.55	1/12	.75	1/12	6.5	15.45	7.8	16.0	20	20	197
①	②	③	⑭	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲

NO.	DESCRIPTION	ECN. NO.	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: X PLACE DECIMAL ± .X PLACE DECIMAL ± ANGLES ± FRACTIONS ± MATERIAL

SIGNATURE — DRAWN: Sam Vivirito 12 13 8 — CHECKED — ENGR. — MFG. — TRACER

Friedrich — FRIEDRICH AIR CONDITIONING & REFRIGERATION CO. 10407 BANDLEY DRIVE SAN ANTONIO, TEXAS 78284

TITLE: RATING PLATE
703 SERIES -06,-08,-12,-14

DRAWING NO. 683720

SCALE — SHT. 2 OF 2

PLATE NO.	BASIC MODEL NO.			VOLTS	CYCLE	PH	COMP LRA	R-22 CHARGE	B AMPS	BLWR H.P.	FAN AMPS	FAN H.P.	COMPR AMPS	ELEC HTR AMPS	TOTAL AMPS COOLING	TOTAL AMPS HTG.	MIN CKT AMPACITY	MAX USE SIZE	VOLTS
57	703144			208/230	60	1	42.0	35oz	.55	1/12	.75	1/12	6.5	19.55	7.8	20.1	26	25	197
58	703145			208										19.25		19.8	25	25	
59	703146			208/230										8.75		9.3	12	15	
60	703147													12.85		13.4	17	15	
61	703148													15.05		15.6	20	20	
62	703149			208										17.7		18.25	23	20	
63	70314D			265			25.3		.50		.65		5.0	—	6.15	6.15	12	15	—
64	70314H													—					—
65	70314S													—					—
66	70314E3													12.25		12.75	17	15	—
67	70314E5													15.15		15.65	20	20	—
68	70314E6													10.05		10.55	14	15	—
69	70314E7			265	60	1	25.3	35 oz	.50	1/12	.65	1/12	5.0	14.9	6.15	15.4	20	20	—
70	70308B2			208	60	1	20.0	25 oz	.45	1/20	.75	1/12	3.6	14.4	4.8	14.85	19	20	197
71	703128Z			208	60	1	27.0	30.5	.55	1/12	.75	1/12	5.8	14.4	7.1	14.95	20	20	197

①	②	③	③A	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲

REV.	DESCRIPTION	DWG. NO.	DATE	APPROVED
2	ADDED 71 FOR 703128Z	—		
1	ADDED 70 FOR 70308B2	—		

SIGNATURES: DRAWN S. SAN VINCENTO 2/3/84

Friedrich

TITLE: RATING PLATE
703 SERIES -04,-08,-12,-14

DRAWING NO. 685720

SCALE: ~ SHEET 1 OF 1

1 2 3 4

PLATE NO.	BASIC MODEL NO.			VOLTS	CYCLE	PH	COMP LRA	R-22 CHARGE	B AM…	BLWR H.P.	FAN AMPS	FAN H.P.	COMPR AMPS	ELEC HTR AMPS	TOTAL AMPS COOLING	TOTAL AMPS HTG	MIN CKT AMPACITY	MAX FUSE SIZE	MIN VOLTS
00	703O7GO	TOSHIBA		208/230	60	1	18.0	22	.45	1/20	.70	1/8	2.5	—	3.65	3.2	12	15	
01	703O7G1													10.65		11.1	15	15	
02	703O7G2													15.45		15.9	20	20	
03	703O7G4													19.55		20.0	26	25	
04	703O7B5			208										19.25		19.7	25	25	
05	703O7EO			265			12.0						1.9	—	3.05	2.7	12	15	
06	703O7E3													12.25		12.7	17	15	
07	703O7E5													15.15		15.6	20	20	
08	703O9GO			208/230			25.0	25					3.7	—	4.85	4.2	12	15	
09	703O9G1													10.65		11.1	15	15	
10	703O9G2													15.45		15.9	20	20	
11	703O9G4													19.55		20.0	26	25	
12	703O9B5			208										19.25		19.7	25	25	
13	703O9EO			265			17.0						2.85	—	4.0	3.5	12	15	
14	703O9E3													12.25		12.7	17	15	
15	703O9E5													15.15		15.6	20	20	
16	7O312GO	ROTOREX		208/230			28.9	34	.55	1/12	.75	1/12	5.8	—	7.1	5.9	12	15	197
17	7O312G1													10.65		11.2	15	15	197
18	7O312G2													15.45		16.0	20	20	197
19	7O312G4													19.55		20.1	26	25	197
20	7O312B5			208										19.25		19.8	25	25	
21	7O312EO			265			25.3		.50		.65		4.25	—	5.4	4.5	12	15	

(1) (2) (3) (3A) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19)

4/21/86
6B492600 AS SHOWN
From Sam

REV.	DESCRIPTION	ECO. NO.	DATE	APPROVED
3	CHG CHARGE ON 703-07 ↑-09 WAS 25 ↑ 30 OZ	U-6440	4/4/85	SV
2	CHG. COL 3 TO TOSHIBA ROTOREX, DELETED COL 3A		3/20/85	
1	CHG. HTR AMPS, TOTAL AMPS, MIN AMPAC. 02, 10, 18; CHG. MODEL NO. ADDED MIN. VOLTS	U-6201	12/26/83	

DRAWN S VEDETE
Friedrich
FRIEDRICH AIR CONDITIONING & REFRIGERATION CO.
RATING PLATE
703 SERIES
DRAWING NO. 684926
U-6258
684926
SH. 2 OF 6

PLATE NO	BASIC MODEL No			VOLTS	CYCLE	PH	COMP LRA	R-22 CHARGE	B AM..	BLWR H.P.	FAN AMPS	FAN HP	COMPR AMPS	ELEC HTR AMPS	TOTAL AMPS COOLING	TOTAL AMPS HTG	MIN CKT AMPACITY	MX FSE SIZE	MIN. VOLTS
22	7031 2E3	ROTOREX		265	60	1	25.3	34	.50	1/12	.65	1/12	4.25	12.25	5.4	12.75	17	15	
23	7031 2E5													15.15		15.65	20	20	
24	7031 5G0	COPELAND		208/230			40.0	33.0	.55		.75		8.2	—	9.5	7.6	12	15	197
Δ 25	7031 5G1													10.65		11.25	15	15	
Δ 26	7031 5G2													15.45		16.0	20	20	
Δ 27	7031 5G4													19.55		20.1	26	25	
Δ 28	7031 5B5			208										19.25		19.8	25	25	
Δ 29	7031 5E0			265			35.0		.50		.65		6.45	—	7.6	6.1	12	15	
Δ 30	7031 5E3													12.25		12.75	17	15	
Δ 31	7031 5E5													15.15		15.65	20	20	
Δ 32	7031 5B2			208			40.0		.55		.75		8.2	14.4	9.5	14.95	19	20	197
Δ 33	7031 5B4													17.8		18.35	25	20	
34	7030 9B1	TOSHIBA					25.0	25	.45	1/20	.70	1/8	3.7	9.6	4.85	10.1	13	13	—
35	7030 7A0			115			35.0	22	1.0	1/20	1.4	1/8	4.9	—	7.3	5.84	12	15	—
36	7031 2B2	ROTOREX		208	60	1	28.9	34	.55	1/12	.75	1/12	5.8	14.4	7.1	14.95	19	20	197
* 37	7031 5G0	BRISTOL		208/230			44.0	40	.55				8.2	—	9.5	8.0	12	15	
* 38	7031 5G1													10.65		11.25	15	15	
* 39	7031 5G2													15.45		16.0	20	20	
* 40	7031 5G4													19.55		20.1	26	25	
* 41	7031 5B5			208										19.25		19.8	25	25	
* 42	7031 5E0			265			40.0		.50		.65		6.25	—	7.4	6.2	12	15	—
* 43	7031 5E3			265			40.0		.50		.65		6.25	12.25	7.4	12.75	17	15	—
* 44	7031 5E5			265			40.0		.50		.65		6.25	15.15	7.4	15.65	20	20	—
45	7030 9C1	TOSHIBA		230			25.0	25	.45	1/20	.70	1/8	3.7	10.65	4.85	11.1	15	15	
(1)	(2)	(3)	(3A)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)

REV	DESCRIPTION	ECO NO	DATE	APPROVED
5	DELETE B COL. 3A, CHG COL 3			
4	CHG CHARGE ON 703 07( )-(7) WAS 25 (30 DCH40 [illegible])			
4	ADDED NOTE FOR 'B' CODE 703-15 UNITS	U-6311	2-6-83	
3	ADDED 37 - 45. CHG -26	U-6301	12/12/82	
2	ADDED PART -36 (7031282)			
1	ADDED 34 & 35; CHG. MODEL NO.			

* THESE PLATES WILL BE USED FOR 'B' CODE UNITS ONLY (UNITS W/BRISTOL COMPRESSOR). WHEN PUTTING THIS MODEL NUMBER ON THE PLATE, A 'B' SHOULD BE REFLECTED IN THE 15th DIGIT.

Δ = COPELAND COMPRESSORS USED

Friedrich — FRIEDRICH AIR CONDITIONING & REFRIGERATION CO.

RATING PLATE
703 SERIES

DRAWN: S VEDETE
DRAWING NO 684926
ISSUED: U-6258
684926
SH. 3 OF 5

PLATE NO.	BASIC MODEL NO			VOLTS	CYCLE	PH	COMP LRA	R-22 CHARGE	E AMPS	BLWR H.P.	FAN AMPS	FAN H.P.	COMPR AMPS	ELEC HTR AMPS	TOTAL AMPS COOLING	TOTAL AMPS HTG.	MIN CKT AMPACITY	MAX USE SIZE	MIN VOLTS
*46	7031SC4	BRISTOL		230	60	1	44.0	40.0	.55	1/2	.75	1/2	8.2	19.55	9.5	20.1	26	25	197
47	7030782	TOSHIBA		208			18.0	22	.45	1/20	.70	1/8	2.5	14.4	3.05	14.85	13	15	197
48	7030982	↓		↓			25.0	25	↓	↓	↓	↓	3.7	↓	4.85	↓	13	15	197
49	7031ZC4	ROTOREX		230			28.9	34	.55	1/12	.75	1/12	5.8	19.55	7.1	20.1	26	25	—
*50	7031584	BRISTOL		208			44.0	40	.55	1/12	.75	1/12	8.2	17.8	7.5	18.35	22	20	197
51	70307C1	TOSHIBA		230			18.0	25	.45	1/20	.70	1/8	2.5	10.65	3.65	11.1	15	15	—
52	7031462	ROTOREX		208/230			42.0	35	.55	1/20	.75	1/12	6.5	12.85	7.8	13.4	17	15	197
53	7031SC2	BRISTOL		230			44.0	40	.55	1/12	.75	1/12	8.2	15.45	9.5	16.0	20	20	—
54	7031ZC1	ROTOREX		230			28.9	34	.55	1/12	.75	1/12	5.8	10.65	7.1	11.2	15	15	—
55	7030766	TOSHIBA		208/230			18.0	22	.45	1/20	.70	1/8	2.5	8.75	3.65	9.2	12	15	197
56	7030767													12.85		13.3	17	15	
57	7030768			↓			↓						↓	15.05	↓	15.5	20	20	↓
58	70307E6			265			12.0						1.9	10.0	3.05	10.5	14	15	—
59	70307E7			↓			↓	↓					↓	14.9	↓	15.35	20	20	—
60	7030966			208/230			25.0	25					3.7	8.75	4.85	9.2	12	15	197
61	7030967													12.85		13.3	17	15	
62	7030968			↓			↓							15.05		15.5	20	20	↓
63	70309E6			265			17.0						2.85	10.0	4.0	10.5	14	15	—
64	70309E7	↓		↓			↓	↓	↓	↓	↓	↓	↓	14.9	↓	15.35	20	20	—
65	7031266	ROTOREX		208/230			28.7	34	.55	1/12	.75	1/12	5.8	8.75	7.1	9.3	12	15	197
66	7031267													12.85		13.4	17	15	
67	7031268			↓										15.05		15.6	20	20	
68	70312B9			208			↓		↓		↓		↓	17.7	↓	18.25	23	20	↓
69	70312E6			265			25.3		.50		.65		4.25	10.0	5.4	10.5	14	15	—
70	70312E7	↓		↓			↓	↓	↓		↓		↓	14.9	↓	15.4	20	20	—
71	7031566	BRISTOL		208/230			44.0	40	.55		.75		6.2	8.75	9.5	9.3	12	15	197
72	7031567													12.85		13.4	17	15	
73	7031568			↓										15.05		15.6	20	20	
74	70315B9			208			↓		↓		↓		↓	17.7	↓	18.25	23	20	↓
75	70315E6			265			40.0		.50		.65		6.25	10.0	7.4	10.5	14	15	—
76	70315E7	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	14.9	↓	15.4	20	20	—
①	②	③	③A	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲

REV	DESCRIPTION	ECO. NO	DATE	APPROVED
6	THE CHARGE ON 7030767-69 WAS 25 1/2 TO 22 OZ.	06440	10/4/85	SV
5	DEL. COL. 3A, CHG. COL. 3, ADD'D PARTS 55-76		3/20/85	
4	ADD PART 52	SPR-301		
3	ADDED PART 51		10/5/84	
2	ADDED PART 50		9/25/84	
1	ADDED PART 49		8/10/84	
—	ADDED PARTS - 46, 47 & 48		4/9/84	

DWG. 684926

DRAWN J FAMOLARO

Friedrich FRIEDRICH AIR CONDITIONING & REFRIGERATION CO.

TITLE RATING PLATE 703 SERIES

DRAWING NO. 684926

SCALE ~ SH. 4 OF 5

PLATE NO	* BASIC MODEL NO		VOLTS	CYCLE	PHASE	COMPR L.R.A	CHARGE R 22 OZ	BLWR AMPS	BLWR HP	FAN AMPS	FAN HP	COMPR AMPS	HEATER AMPS	TOTAL AMPS COOLING	TOTAL AMPS HEATING	MIN CIRCUIT AMPACITY	FUSE 1 H.A.C.R	MIN VOLTAGE
77	7031SG6	COPELAND	208/230	60	1	40.0	33	.55	1/12	.75	1/2	8.2	8.75	9.5	9.3	12	15	197
78	7031SG7												12.85		13.4	17	15	
79	7031SG8												15.05		15.6	20	20	
80	7031SB9		208										17.7		18.25	23	20	
81	7031SE6		265			35.0		.50		.65		6.45	10.0	7.6	10.5	14	15	—
82	7031SE7												14.9		15.4	20	20	—

A

B

C

D

1 2 3 4

REV	DESCRIPTION	ECO. NO.	DATE	APPROVED
~	ADDED PARTS 77-82		9/2/86	

Friedrich — FRIEDRICH AIR CONDITIONING & REFRIGERATION CO.

TITLE: RATING PLATE
703 SERIES

DRAWING NO. 684926 — —

SCALE ~ SH. 5 OF 5

684926 — —

PERFORMANCE DATA

702 SERIES PTAC

702 DATA CHART - PRELIMINARY #

MODEL	702-06			702-08		702-10 (3)		702-12A(4)		702-12B		702-14		702-15 (4)	
Voltage	115V	208/ 230V (5)	265V	208/ 230V (5)	265V	208/ 230V (5)	265V	208/ 230V (5)	265V	208/ 230V (5)	265V	208/ 230V (5)	265V	208/ 230V (5)	265V
Cooling BTUH (1)	6900	6900	6900	8300	8300	10200		12500	12500	11700	11700	13900	13900	15300	15300
EER	8.5	8.5	8.5	9.0	9.0	8.9		8.9	8.9	9.5	9.5	8.2	8.2	8.0	8.0
Amps, FL	8.2	4.1	3.9	4.8	3.8			6.8	5.8	7.1	5.4	7.8	6.15	9.5	7.4
Air Flow CFM															
High	360	360	360	370	370			420	420	460	460	420	420	420	420
Low	305	325	325	335	335			390	390	415	415	380	380	390	390
Vent (2)	40	45	45	45	45			50	50	50	50	50	50	50	50

NOTES:

(1) Capacities Tested and Rated in Accordance with ARI Standard 380 Conditions of 95 DB/75 WB Outside, 80 DB/67 WB Inside.

(2) Units with higher Vent Air Flow are available as a special order.

(3) 702-10 not available for production until June, 1985.

(4) Final Performance Ratings.

(5) For 208 Models:
For 702-06 through 702-12A, deduct 200 BTUH from Capacity.
For 702-12B and 702-14, deduct 400 BTUH from Capacity.
For 702-15, deduct 300 BTUH from Capacity.
Deduct 5% for unit air flow and 10% for vent air flow.

	ELECTRIC HEATERS VOLTAGE	BTUH	KW	TOTAL AMPS	MAX FUSE SIZE
ALL MODELS	Htr. Code				
	(1)	7000	2.0	10.1	15
	208 (2)	10500	3.0	14.9	20
	(4)	12800	3.7	18.3	25
	(5)	13900	4.0	19.7	25
	(1)	8600	2.45	11.1	15
	230 (2)	12800	3.7	16.6	20
	(4)	15600	4.5	20.0	25
	265 (3)	11300	3.25	12.7	15
	(5)	13800	3.98	15.6	20

	HYDRONIC HEATERS	
	BTUH	
MODEL	STEAM	HOT WATER
COIL A	17700	13500
COIL B	18600	14300

These ratings are subject to a 1% to 2% change pending final ARI rating tests.

Continuing engineering research results in steady improvements. Therefore, these specifications are subject to change without notice.

Printed in U.S.A. 1/85

Friedrich Climate Master®

PERFORMANCE DATA

703 SERIES PTHP

703 DATA CHART

MODEL	703-06		703-08		703-10(4)		703-12A		703-12B		703-14		703-15	
Voltage	208/230V (5)	265V	208/230V (5)	265V	208/230V (5)	265V	208/230V (5)	265V	208/230V (5)	265V	208/230V (5)	265V	208/230V (5)	265V
Cooling BTUH (1)	6600	6600	7900	7900	9800		12000	12000	11200	11200	13300	13300	14800	14800
EER	8.0	8.0	8.5	8.5	8.8		8.3	8.6	9.1	9.1	9.0	9.0	7.8	7.8
Amps, FL	4.1	3.9	4.8	3.8			7.1	5.4	7.1	5.4	7.8	6.15	9.5	7.4
Heating BTUH (2)	6400	6400	7500	7500			11000	11000	10900	10900	12800	12800	14000	14000
COP	2.6	2.6	2.7	2.7			2.6	2.8	2.9	2.9	2.8	2.8	2.6	2.6
Amps - FL	4.1	3.9	4.8	3.8			5.9	4.5	7.1	5.4	7.8	6.15	8	6.2
Air Flow CFM														
High	360	360	370	370			420	420	460	460	420	420	420	420
Low	325	325	335	335			390	390	415	415	380	380	390	390
Vent (3)	45	45	45	45			50	50	50	50	50	50	50	50
Outside Temp	BTUH	COP	BTUH	COP			BTUH	COP	BTUH	COP	BTUH	COP	BTUH	COP
Capacity 62	7900	3.05	9400	3.13			13200	2.8	12800	3.17	14600	2.96	16800	2.8
and COP vs. 57	7480	2.91	8800	3.01			12320	2.8	12150	3.14	13750	2.86	15680	2.8
Outside 47	6400	2.59	7500	2.68			11000	2.6	10900	2.89	12800	2.8	14000	2.6
Temperature 37	5400	2.25	6350	2.4			9240	2.4	9500	2.64	11150	2.57	11760	2.4
at 70% R.H. 32	4450	1.92	5200	2.06			8570	2.1	8100	2.36	9800	2.38	10780	2.1

NOTES:

(1) Capacities Tested and Rated in Accordance with ARI Standard 380 Conditions of 95 DB/75 WB Outside, 80 DB/67 WB Inside.

(2) Capacities Tested and Rated in Accordance with ARI Standard 380 Conditions of 47 DB/75 WB Outside, 70 DB Inside.

(3) Units with higher Vent Air Flow are available as a special order.

(4) 702-10 not available until Late 1985.

(5) For 208 Volt Models:
For 703-06 through 703-12A, deduct 200 BTUH from Capacity
For 703-12B, deduct 400 BTUH from Capacity.
For 703-14 and 703-15 deduct 300 BTUH from Capacity
Deduct 5% from unit air flow and 10% from vent air flow.

Continuing engineering research results in steady improvements. Therefore, these specifications are subject to change without notice.

F-3018 Printed in U.S.A. 1/86

Friedrich Climate Master®

PERFORMANCE DATA
703 SERIES PTHP

MODELS		703-07			703-09			703-12			703-15		
Voltage		208	230	265	208	230	265	208	230	265	208	230	265
COOLING BTUH (1)		6800	6900	6900	9000	9100	9100	11800	12000	12000	14300	14600	14600
EER		8.6	8.6	8.6	8.7	8.7	8.7	8.3	8.3	8.6	7.8	7.8	7.8
Amps FL		3.7	3.7	3.1	4.9	4.9	4.0	7.1	7.1	5.4	9.5	9.5	7.6
Amps LR		18	18	12	25	25	17	29	29	26	40	40	35
Watts		790	800	800	1035	1045	1045	1420	1450	1400	1840	1880	1880
HEATING BTUH (2)		6000	6100	6100	8100	8200	8200	10800	11000	11000	13700	13500	13500
C.O.P.		2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.8	2.5	2.5	2.5
Amps FL		3.2	3.2	2.1	4.2	4.2	3.5	5.9	5.9	4.5	7.6	7.6	6.1
Watts		705	715	715	905	915	915	1210	1220	1170	1560	1590	1590
AIR FLOW CFM													
High		325	335	335	330	355	355	390	420	420	390	420	420
Low		290	310	310	310	330	330	365	390	390	365	390	390
VENT CFM (3)		40	45	45	40	45	45	45	50	50	45	50	50
	F	BTUH		COP	BTUH		COP	BTUH		COP	BTUH		COP
Heat Pump Operation Capacities and C.O.P. at Various Outdoor Temperatures Note: Based pm 70% Relative Humidity	62	7200		2.8	9600		2.9	12900		2.9	15800		2.7
	57	6800		2.7	9200		2.8	12300		2.8	15100		2.7
	52	6500		2.6	8700		2.7	11700		2.8	14300		2.6
	47	6100		2.5	8200		2.6	11000		2.6	13500		2.5
	42	5600		2.4	7600		2.5	10100		2.5	12500		2.4
	37	5200		2.3	6900		2.4	9300		2.4	11400		2.3
	32	4600		2.1	6200		2.2	8400		2.2	10300		2.1

(1) Capacities Tested and Rated in Accordance with ARI Standard 380 Conditions of 95 DB/75 WB Outside, 80 DB/67 WB Inside.

(2) Capacities Tested and Rated in Accordance with ARI Standard 380 Conditions of 47 DB/43 WB Outside, 70 DB Inside.

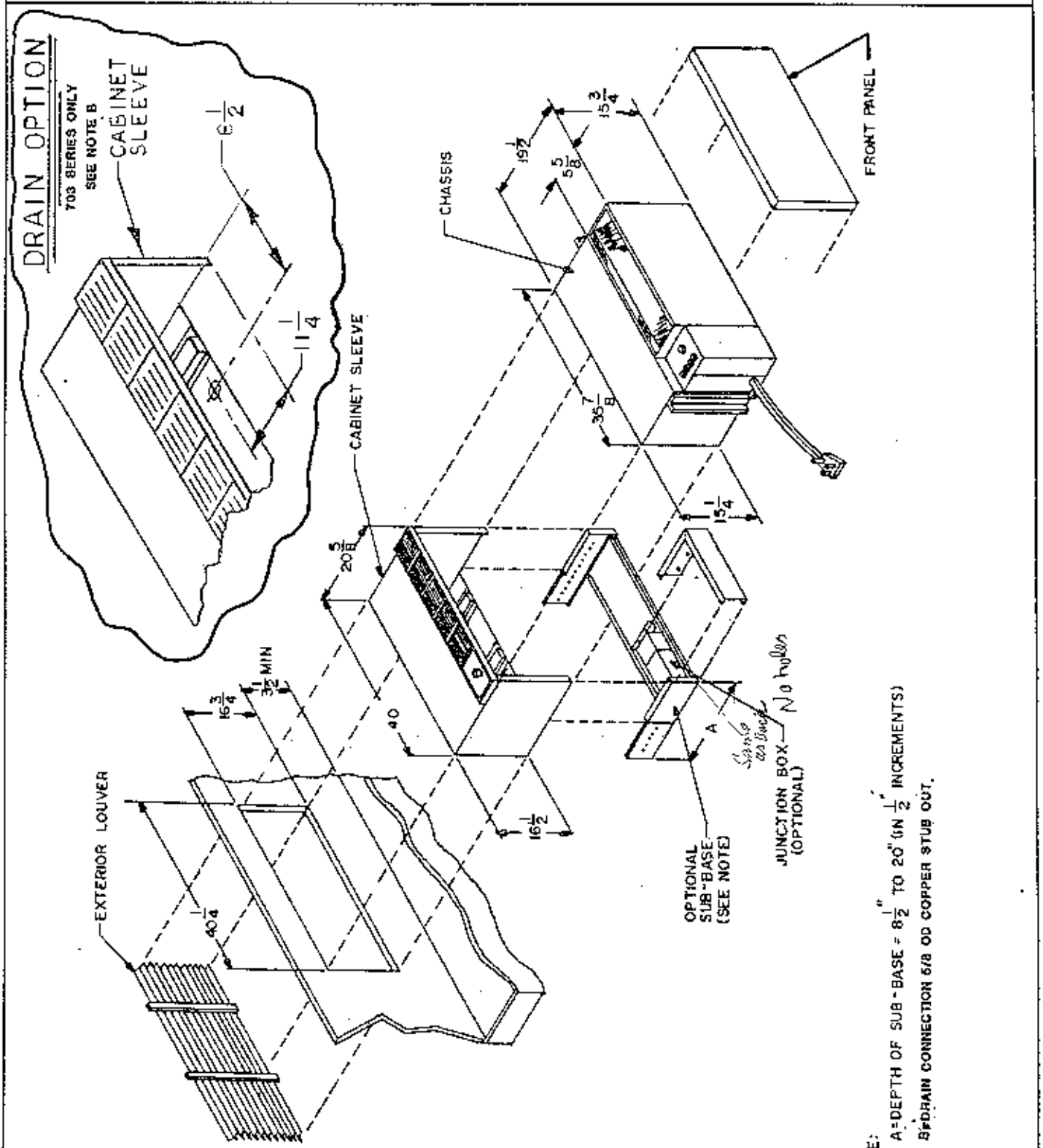
VOLTAGE		BTUH	KW	TOTAL (4) AMPS	MAX (5) FUSE SIZE
	Htr. Code				
	(1)	7000	2.0	10.1	15
208	(2)	10500	3.0	14.9	20
	(4)	12800	3.7	18.3	25
	(5)	13900	4.0	19.7	25
	(1)	8600	2.45	11.1	15
230	(2)	12800	3.7	16.6	20
	(4)	15600	4.5	20.0	25
265	(3)	11300	3.25	12.7	15
	(5)	13800	3.98	15.6	20

(4) Includes Fan Motor
(5) Or HACR Type Breaker

Effective 11/1/83

DIMENSIONS

702 - 703 SP SERIES



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702 PERFORMANCE DATA

Model	702-06				702-07				702-08				702-09			
Voltage	115	208	230	265	115	208	230	265	115	208	230	265	115	208	230	265
Cooling BTUH (1)	6700	6500	6700	6700	7200	7100	7200	7200	8300	8100	8300	8300	9600	9500	9600	9600
EER	8.2	8.2	8.2	8.2	9.2	9.2	9.2	9.2	8.9	8.9	8.9	8.9	9.4	9.5	9.4	9.4
Amps - Full Load	0.20	4.10	4.10	3.90	7.30	3.65	3.65	3.65	9.80	4.90	4.90	3.80	9.60	4.85	4.85	4.00
Watts	820	790	820	820	785	770	785	785	935	905	935	935	1025	1000	1025	1025
Air Flow - CFM (7)																
High	330	310	330	330	330	310	330	330	350	330	350	350	350	330	350	350
Low	295	280	295	295	295	280	295	295	315	295	315	315	315	295	315	315
Vent (2)	45	40	45	45	45	40	45	45	45	45	45	45	45	45	45	45

Model	702-12B			702-12C			702-14			702-15		
Voltage	208	230	265	208	230	265	208	230	265	208	230	265
Cooling BTUH (1)	12300	12500	12500	11000	11500	11500	13300	13700	13700	15000	15300	15300
EER	8.9	8.9	8.9	9.2	9.2	9.2	8.8	8.8	8.8	8.8	8.8	8.8
Amps - Full Load	6.80	6.96	5.80	7.10	7.10	5.40	7.80	7.80	6.15	9.50	9.56	7.45
Watts	1420	1460	1460	905	935	935	1435	1475	1475	1830	1920	1920
Air Flow - CFM (7)												
High	390	420	420	410	430	430	430	460	460	390	420	420
Low	365	390	390	370	390	390	390	415	415	365	390	390
Vent (2)	45	50	50	45	50	50	50	55	55	45	50	50

702 HEATER OPTIONS

ELECTRIC HEAT

Voltage	208				230			265	
Heater Code	1	2	4	5	1	2	4	3	5
BTUH (3)	7000	10500	12900	13900	9600	12800	15600	11300	13300
KW	2.00	3.00	3.78	4.00	2.45	3.78	4.50	3.25	3.98
Total Amps (4)	10.1	14.9	18.3	19.7	11.1	15.5	20.00	12.7	15.6

HYDRONIC HEAT

Model	BTUH (3)	
	Steam (5)	Hot Water (6)
702-06, 08, 12C	18400	15400
702-07, 09	17700	13500
702-12B, 15	18600	14300
702-14	18500	15500

NOTES:
(1) Capacities tested and rated in accordance with ARI Standard 310 conditions of 95 DB/75 WB outside, 80 DB/67 WB inside.
(2) Units with higher vent air flow are available as a special order.
(3) Heating BTUH includes fan motor.
(4) Amperage includes fan motor.
(5) Based on: 2 PSIG steam.
(6) Based on: Entering water temperature: 200 F
Leaving water temperature: 180 F.
(7) Air Flow based on Wet Coil.

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703 PERFORMANCE DATA

MODEL	703-06			703-07			703-08			703-09			703-12A		
Voltage	208V	230V	265V	208V	230V	265V	208V	230V	265V	208V	230V	265	208V	230V	265V
Cooling BTUH (1)	6400	6600	6600	6800	6900	6900	7700	7900	7900	9000	9100	9100	11800	12000	12000
EER	8.0	8.0	8.0	8.6	8.6	8.6	8.5	8.5	8.5	8.7	8.7	8.7	8.3	8.3	7.7
Amps - FL	4.10	4.10	3.90	3.65	3.65	3.65	4.80	4.80	3.80	4.85	4.85	4.80	7.10	7.10	5.40
Heating BTUH (2)	6200	6400	6400	6800	6100	6100	7400	7500	7500	8100	8200	8200	10400	11000	11000
COP	2.6	2.6	2.6	2.5	2.5	2.5	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.8
Amps - FL	4.10	4.10	3.90	3.20	3.20	2.78	4.80	4.80	3.80	4.20	4.20	3.58	5.90	5.90	4.50
Air Flow CFM (8)															
High	340	360	360	315	330	330	350	370	370	335	350	350	400	420	420
Low	310	325	325	310	325	325	320	335	335	320	335	335	370	390	390
Vent (3)	40	45	45	40	45	45	40	45	45	40	45	45	45	50	50
Outside Temp.		BTUH	COP		BTUH	COP		BTUH	COP		BTUH	COP		BTUH	COP
Capacity 62		7900	3.05		7050	2.70		9400	3.13		10250	2.80		13200	2.8
and COP vs. 57		7400	2.91		7328	2.70		8800	3.01		9430	2.80		12320	2.8
Outside 47		6400	2.59		6100	2.50		7500	2.60		8200	2.60		11000	2.6
Temperature 37		5400	2.25		4800	2.30		6350	2.40		6850	2.30		9240	2.4
at 70% R.H. 32		4450	1.92		4210	2.10		5200	2.06		6350	2.00		8570	2.1

MODEL	703-12B			703-14			703-15		
Voltage	208V	230V	265V	208V	230V	265V	208V	230V	265V
Cooling BTUH (1)	10800	11200	11200	12900	13300	13300	14500	14950	14950
EER	9.1	9.1	9.1	9.0	9.0	9.0	7.8	7.8	7.8
Amps - FL	7.10	7.10	5.40	7.50	7.80	6.15	9.50	9.50	7.40
Heating BTUH (2)	10600	10900	10900	12500	12800	12800	13800	14000	14000
COP	2.9	2.9	2.9	2.8	2.8	2.8	2.6	2.6	2.6
Amps - FL	7.10	7.10	5.40	7.80	7.80	6.15	8.00	8.00	6.20
Air Flow CFM (8)									
High	440	460	460	400	420	420	400	420	420
Low	400	415	415	360	390	390	370	390	390
Vent (3)	45	50	50	45	50	50	45	50	50
Outside Temp.		BTUH	COP		BTUH	COP		BTUH	COP
Capacity 62		12800	3.17		14600	2.96		16800	2.8
and COP vs. 57		12150	3.14		13750	2.95		15680	2.8
Outside 47		10900	2.89		12800	2.80		14000	2.6
Temperature 37		9500	2.64		11150	2.57		11760	2.4
at 70% R.H. 32		8100	2.36		9800	2.38		10780	2.1

(703-40Tes)

NOTES:
(1) Capacities tested and rated in accordance with ARI Standard 360 conditions of 95 DB/75 WB outside, 80 DB/67 WB inside.
(2) Capacities tested and rated in accordance with ARI Standard 340 conditions of 47 DB/43 WB outside, 70 DB inside.
(3) Units with higher vent air flow are available as a special order.
(4) Heating BTUH includes fan motor.
(5) Electric heat and heat pump are never both on. Amperage includes fan motor.
(6) Based on: 2 PSIG steam.
(7) Based on: Entering water temperature: 200 F
Leaving water temperature: 180 F.
(8) Air Flow based on Wet Coil.

703 HEATER OPTIONS

ELECTRIC HEAT

Voltage	208				230			265	
Heater Code	1	2	4	5	1	2	4	3	5
BTUH (4)	7000	10500	12900	13900	8600	12800	15600	11300	13800
KW	2.00	3.00	3.70	4.00	2.45	3.70	4.50	3.25	3.98
Total Amps (5)	10.10	14.90	18.30	19.70	11.10	15.50	20.00	12.70	15.60

HYDRONIC HEAT

Model	BTUH(4)	
	Steam (6)	180F Water (7)
703-06, 08, 12B	18400	15400
703-07, 09	17700	13500
703-12A, 15	16600	14300
703-14	18500	15500

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