

SECTION CONTENTS

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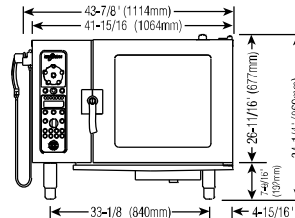
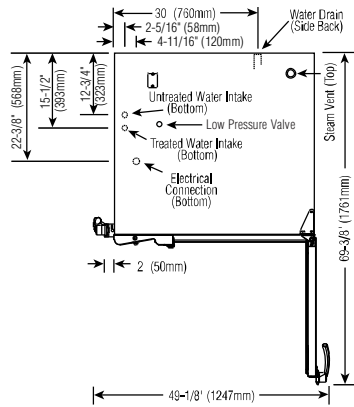
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TECHNICAL DATA

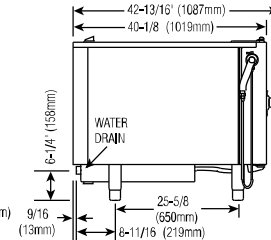
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7 • 14 Esi SPECIFICATIONS



FRONT VIEW



SIDE VIEW

TOP VIEW

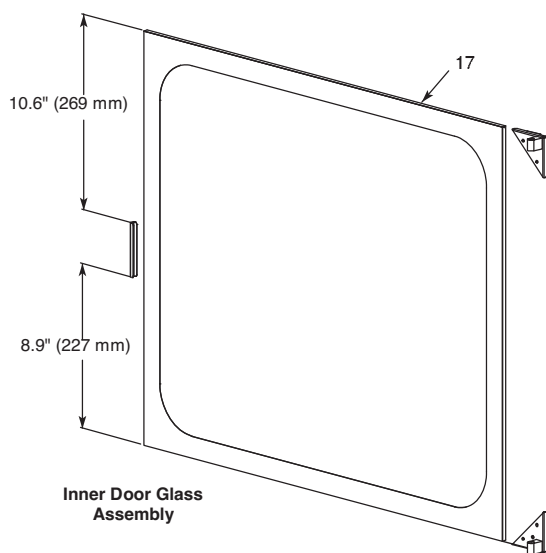
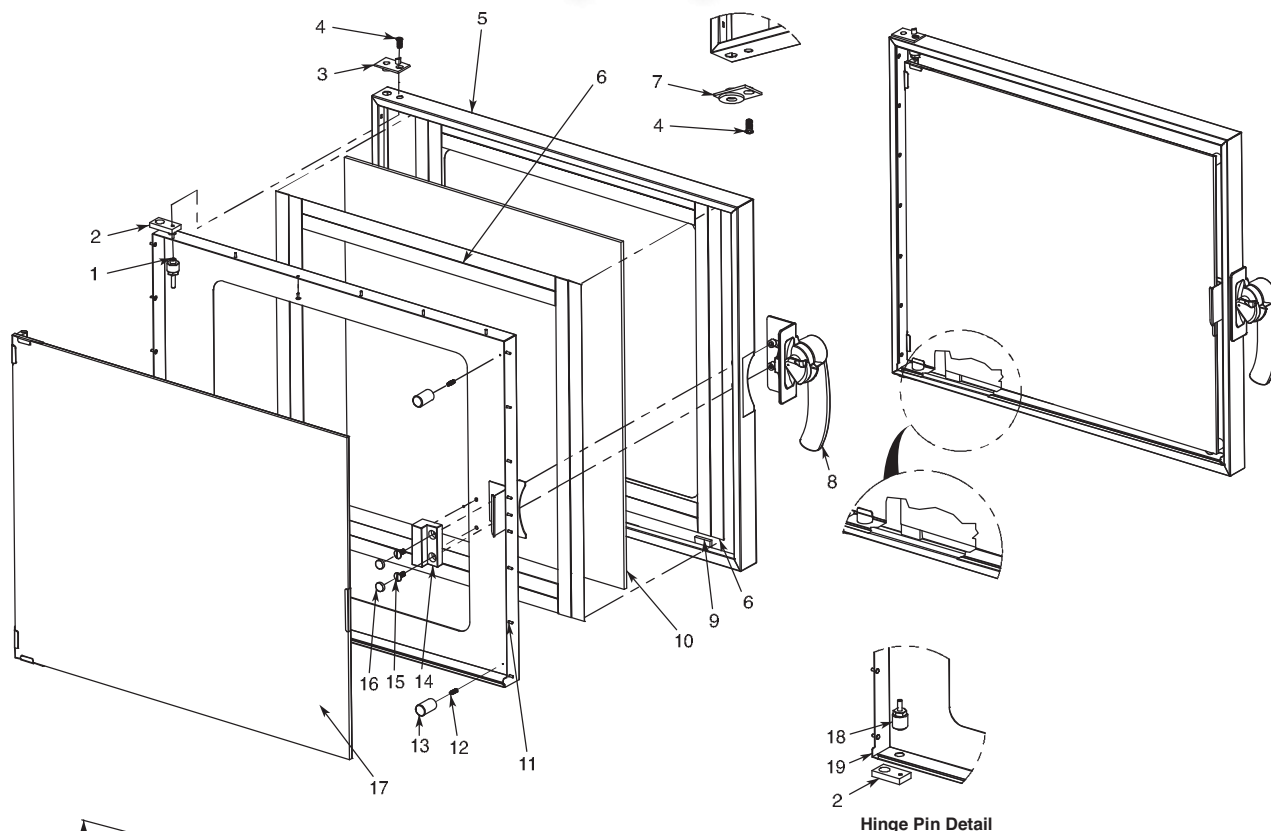
DIMENSIONS: H x W x D				
EXTERIOR:				
34-1/4" x 43-7/8" x 42-13/16" (869mm x 1114mm x 1087mm)				
EXTERIOR WITH RETRACTABLE DOOR:				
34-1/4" x 47-7/8" x 42-13/16" (869mm x 1216mm x 1087mm)				
INTERIOR:				
20-5/16" x 23-1/2" x 28-7/16" (515mm x 596mm x 722mm)				
WATER QUALITY MINIMUM STANDARDS				
USING A WATER SUPPLY NOT MEETING ALTO-SHAAM'S MINIMUM WATER QUALITY STANDARDS WILL VOID THIS WARRANTY. It is the responsibility of the purchaser to ensure that incoming water supply is compliant with the specifications listed through adequate treatment measures. Installation of the CombiGuard™ Water Filtration System is recommended, but this system may not address all water quality issues present.				
WATER QUALITY	Contaminant			
	Inlet Water Requirements (untreated water)			
2.8 to 6.2 bar	Free Chlorine			
	Less than 0.1 ppm (mg/L)			
AIR GAP	Hardness			
	Less than 3 gpg (52 ppm)			
m) RECOMMENDED	Chloride			
	Less than 30 ppm (mg/L)			
ENT	pH			
	7.0 to 8.5			
AIR MOVEMENT	Alkalinity			
	Less than 50 ppm (mg/L)			
FOR LEGS	Silica			
	Less than 12 ppm (mg/L)			
MINIMUM	Total Dissolved Solids (tds)			
	Less than 60 ppm			
7 • 14 Esi				
7 • 14 Esi/sk				
AWG	AMPS	kW	AMPS	kW
2 Wire plus ground	67.0	13.9	69.2	14.4
AWG 3	77.0	18.4	79.0	18.9
3 Wire plus ground	38.6/ ph	13.9	40.0/ ph	14.4
AWG 6	44.3/ ph	18.4	45.5/ ph	18.9
4 Wire plus ground	21.1/ ph	13.9	22.0/ ph	14.4
AWG 10	25.6/ ph	18.4	26.3/ ph	18.9
3 Wire plus ground	20.0/ ph	15.4	21.0/ ph	15.9
AWG 8	22.0/ ph	18.4	23.0/ ph	18.9
ES				
TY				
FULL-SIZE PANS: 20" x 12" x 2-1/2"	Fourteen (14)		Twelve (12)	
GN 1/1: 530 x 325 x 65mm	Fourteen (14)		Twelve (12)	
GN 2/1: 650 x 530 x 65mm	Seven (7)		Five (5)	
E SHEET PANS:* 18" x 26" x 1"	Seven (7)		Six (6)	
WIRE SHELVES ONLY				
168 lb (76 kg) MAXIMUM				
VOLUME MAXIMUM: 105 QUARTS (133 LITERS)				

* ADDITIONAL WIRE SHELVES REQUIRED FOR MAXIMUM CAPACITY

ELECTRIC COMBITHERM — INSTALLATION MANUAL #7001

DOOR ASSEMBLY

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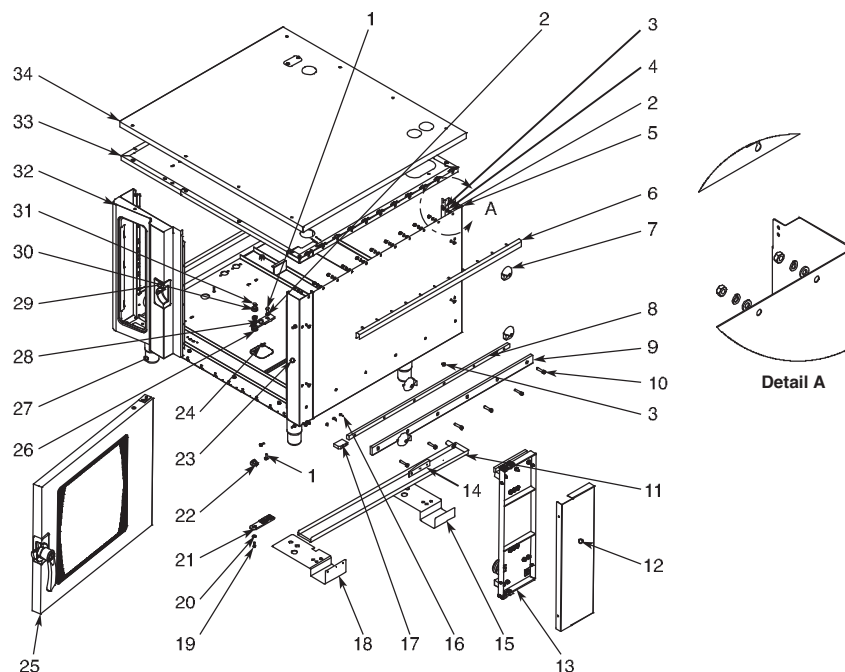


Item	Part	Description	Qty.
1	PI-26973	Pin, Upper	1
2	HG-25078	Hinge, CT, Anchor, ML Combis	2
3	HG-25077	Hinge, CT, Top Stop, ML Combi	1
4	SC-22282	Screw, CT, 1.0X 16 mm, PH Oval, HD N/S 18-8, DIN # 966A	2
5	1005957	Outer Panel, Door	1
6	TA-25125	Tape, Double Sided	2
7	HG-25079	Hinge, CT, Upper Ratchet, Combi	1
8	HD-26966	Handle, Door, Right, Combi '06	1
9	BM-27116	Bumper	2
10	GL-27110	Glass, Outer Door, 7.14 EP	1
11	RI-27108	Rivet, Sealed	22
12	SC-25091	Screw, CT, M5X16, DIN 551, A2 S/S, SLTD Set Screw Flat PT	2
13	BM-27146	Bumper Stop/Inner Door	2
14	SP-27212	Spacer, Window Latch	1
15	SC-27125	Screw, Truss Head, S/S	2
16	PG-24789	Plug, 15 mm	2
17	5005090	Inner Door, Glass Assembly	1
18	PI-26974	Pin, Lower	1
19	5005089	Inner Door Spot RH	1
*	CL-27854	Inner Door Latch	1

*Item Not Shown

PARTS INFORMATION**RECESSED DOOR ASSEMBLY**

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Item	Part	Description	Qty.
1	SC-22924	M6 x 20 Hex Trim HD	2
2	WS-22297	Washer, Flat, M6, DIN 125	14
3	NU-22291	M6-1.0 x Hex S/S Nut 18-8	12
4	WS-22302	Washer, Lock, M6, DIN 127B	12
5	5008015	Right Side Assembly	1
6	5007897	Channel Assembly	1
7	BK-27412	Recessed Door Block	4
8	RA-28207	Rail, Top	1
9	RA-28208	Rail, Bottom	1
10	SC-24388	Screw, SHC M8 x 35 S/S	6
11	5007893	Drip Pan Assembly	1
12	1008869	Cover, Trolley	1
13	5008001	Trolley Assembly	1
14	BK-22100	White Teflon, Cart Guide Block	1
15	1008505	Rear Bracket, Recessed	1
16	SC-22281	Screw, M5 x 16 Flat Head CSink	2
17	BK-28252	Block, Guide	1

Item	Part	Description	Qty.
18	1008506	Front Bracket Recessed	1
19	SC-22284	Screw, M6 x 16 Hex S/S HD	1
20	WS-22298	Washer, M8, 18-8	1
21	HG-28040	Hinge	1
22	HG-25101	Hinge, Lower Ratchet	1
23	5008014	Front Corner Assembly	1
24	SC-26060	M5 x 16 Hex Head	4
25	5008004	Door Assembly Recessed	1
26	WS-25124	Eccesntric Washer	1
27	LG-26867	Legs, Combi	4
28	HG-28041	Hinge	1
29	LT-26968	Latch, Door, Right	1
30	WS-25127	Covering Washer, For Hinge	1
31	PG-25132	M12, (Black or Natural)	1
32	PE-27559	Front Panel Weld Assembly	1
33	5005065	Fill In Cover Assembly	1
34	5007895	Outer Cover Assembly	1

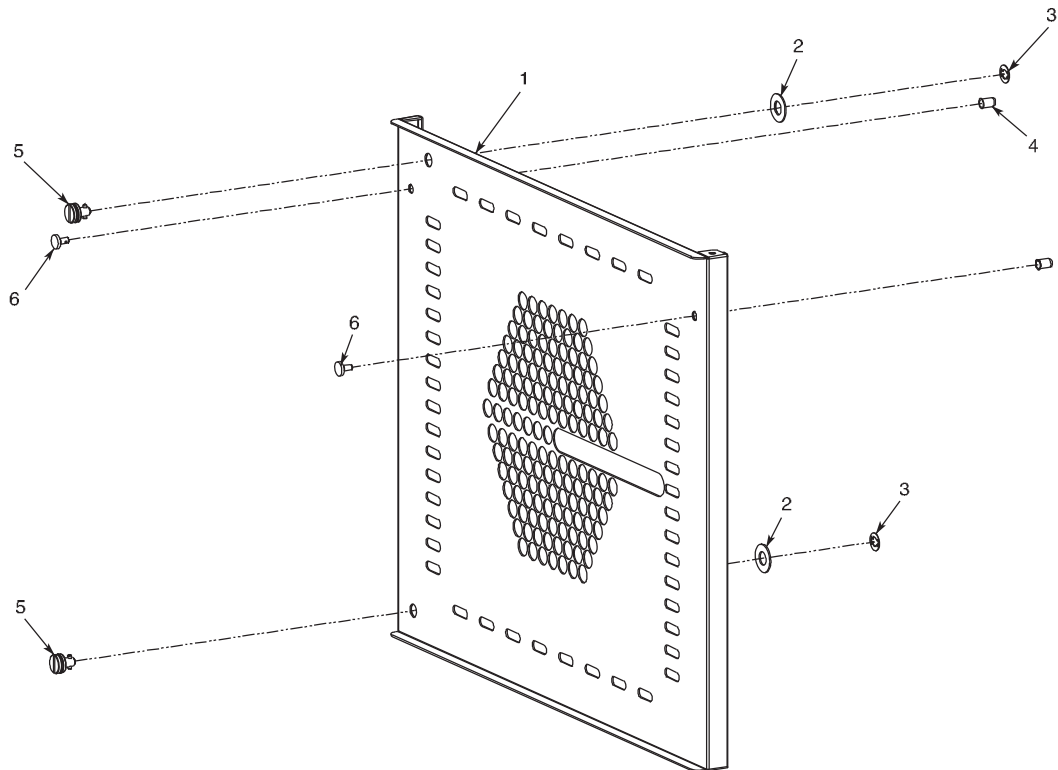
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PARTS INFORMATION

DIRECTIONAL PANEL ASSEMBLY

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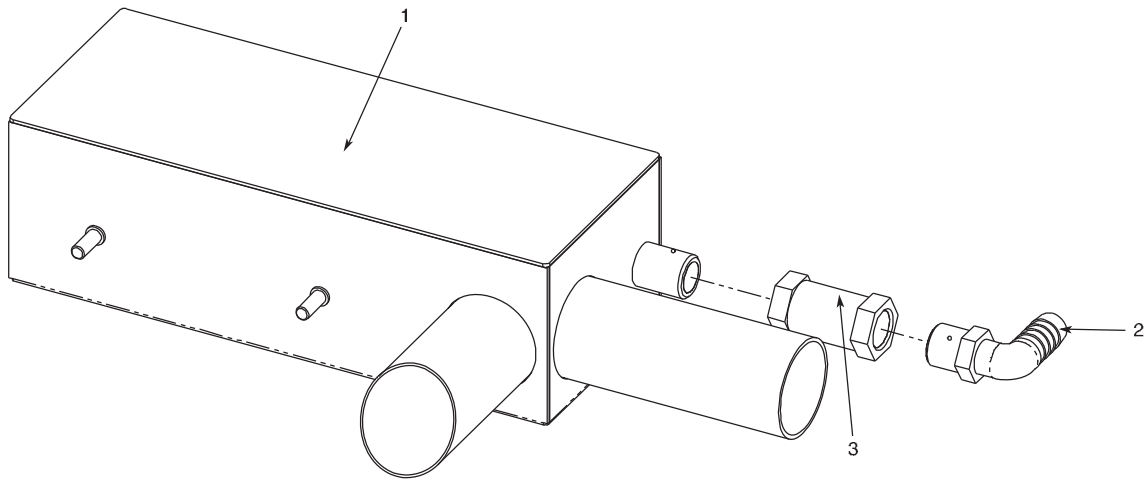
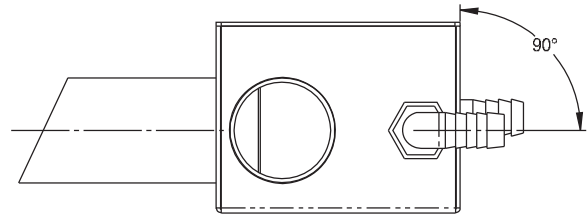


Item	Part	Description	Qty.
1	1006361	Directional Panel, 7.14 l	1
2	1006601	Directional Panel Spacer, 16 GA	2
3	WS-24090	Holding (Lock Clip), All Combitherm's ML	2
4	NU-22770	Nut, Threaded Insert, M6	2
5	CL-24089	Clip, CT, ML, Lock, W/3 Washers	2
6	SC-22753	Screw, SS Round, Hanging Rack	2

PARTS INFORMATION

PRESSURE BOX ASSEMBLY

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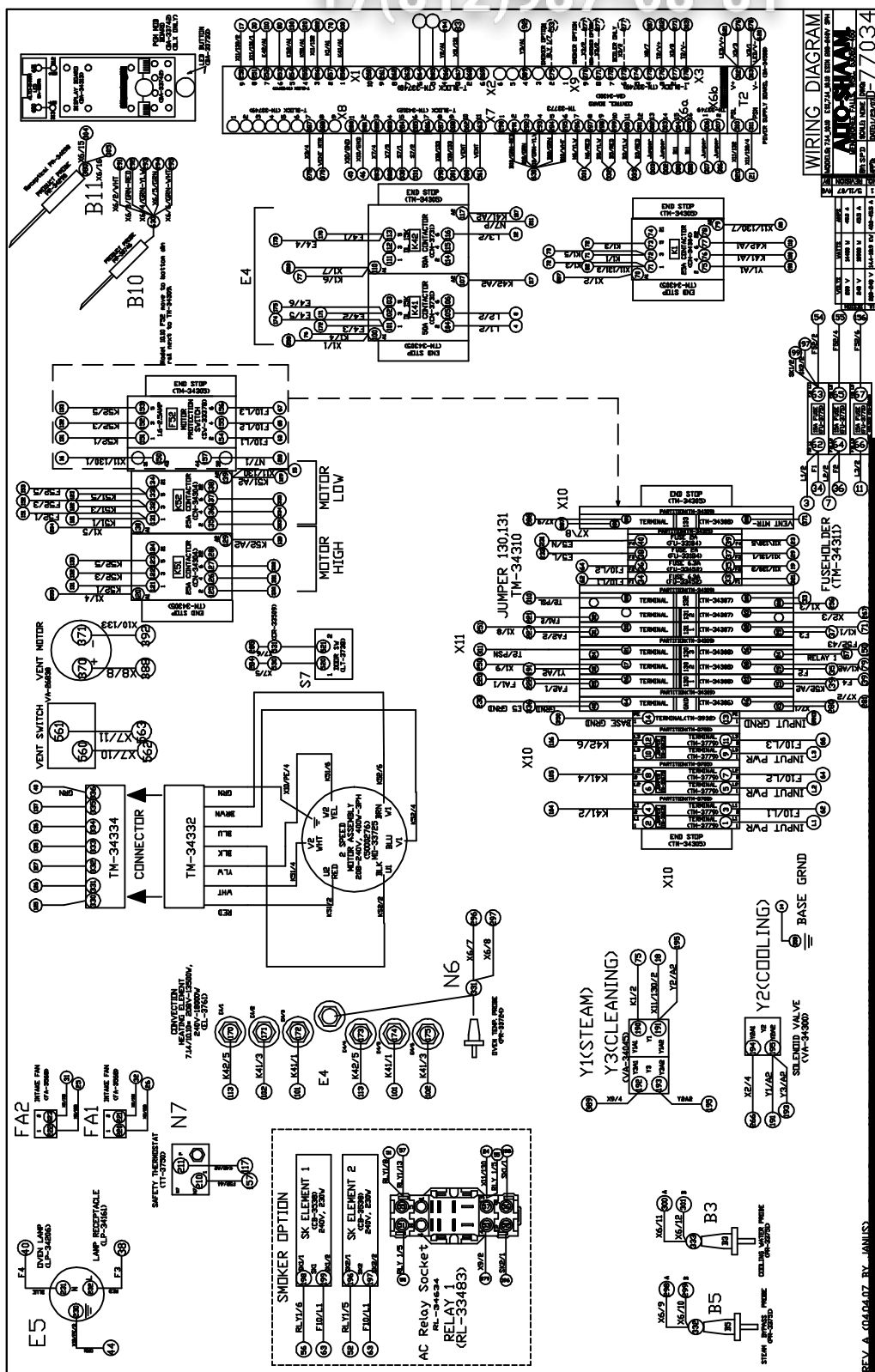


Item	Part	Description	Qty.
1	5005009	Pressure Box	1
2	EB-25551	Elbow, Nylon, 1/2" x 3/8"	1
3	VA-25549	Valve, 3/8", Flow Control, 0.12 GPM	1

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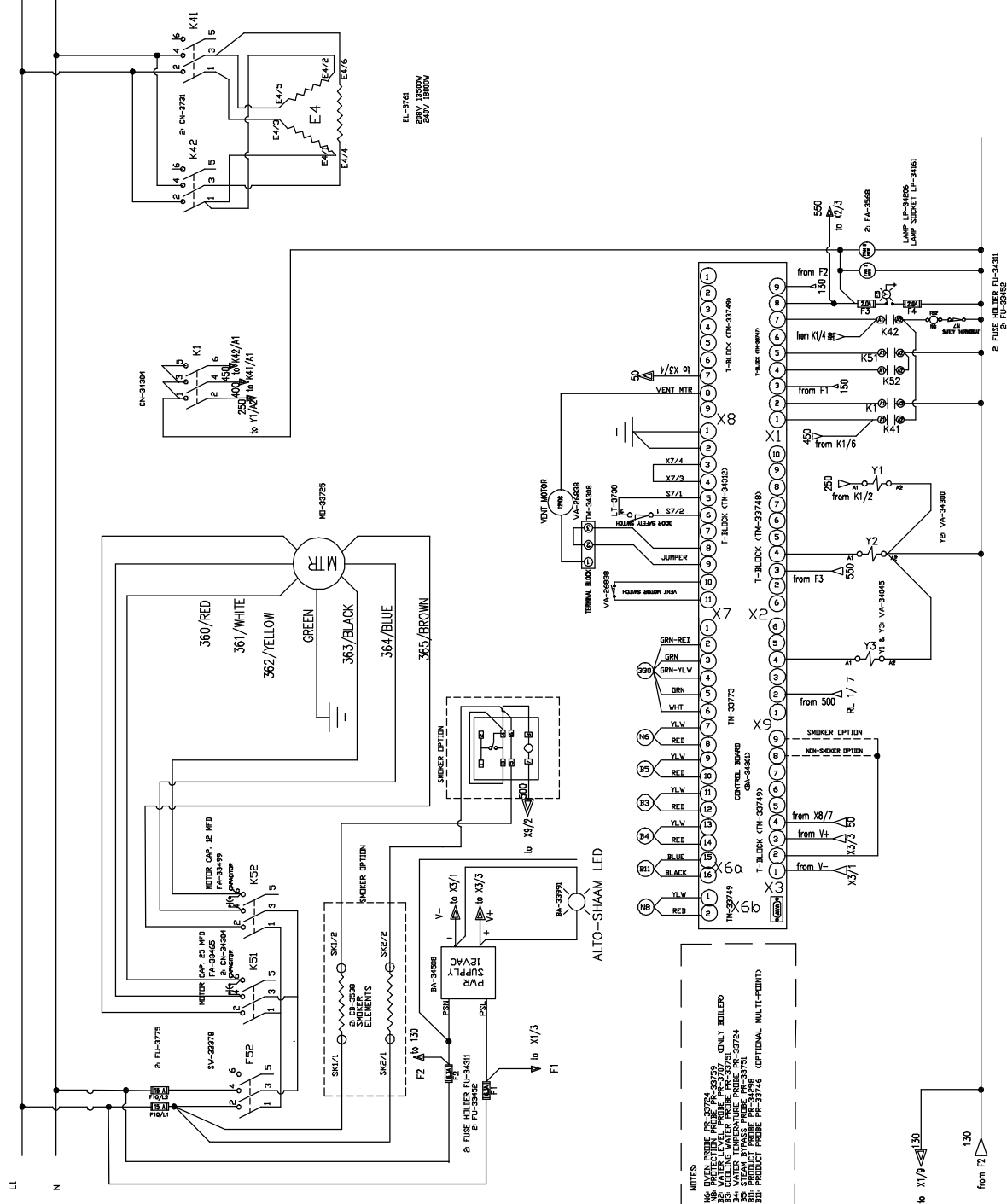
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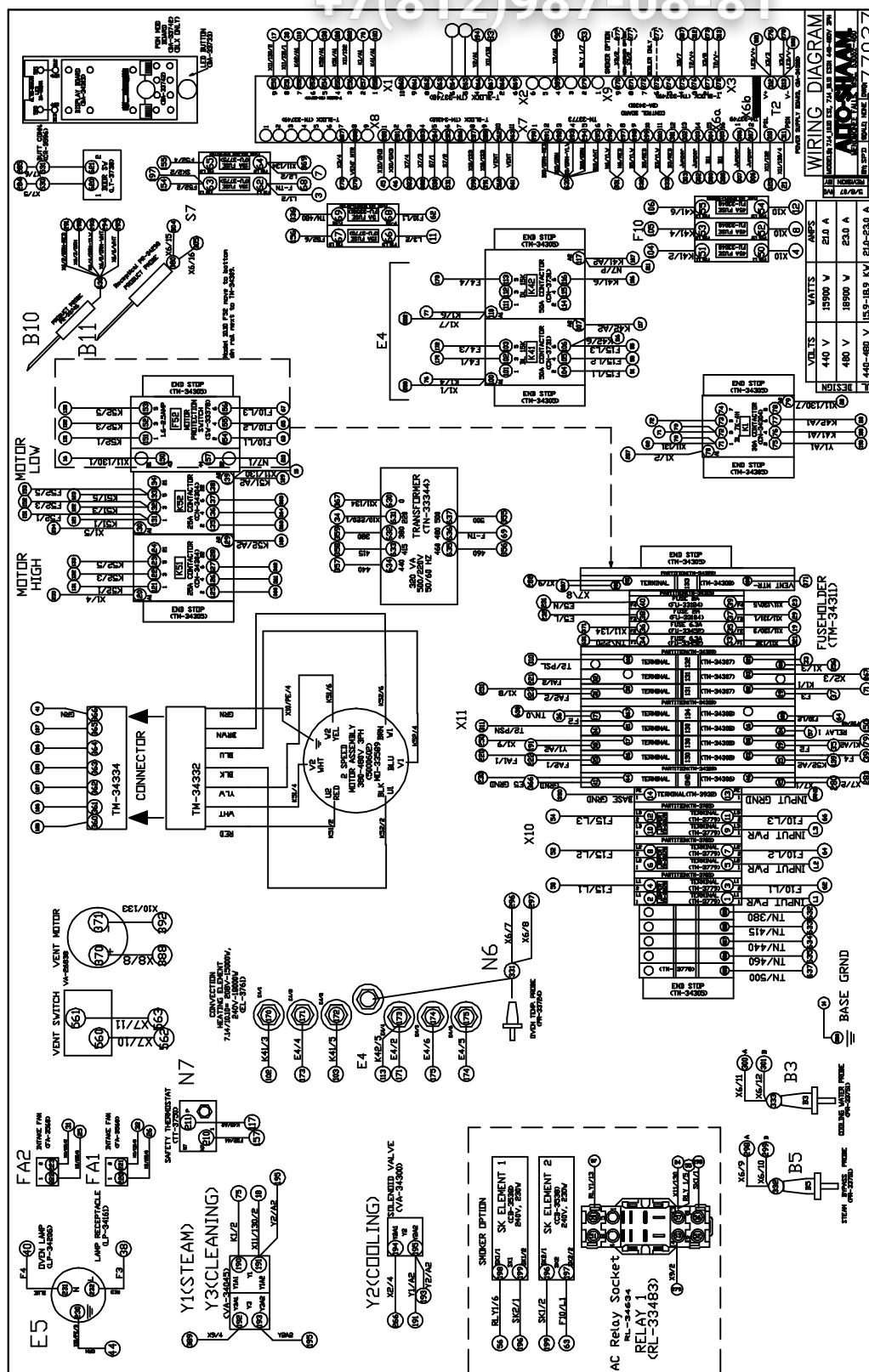
MODELS: 714_1010	ESI/ESIN	50/60Hz
PH:	VOLTS:	WATTS:
1	208-240	14.4-18.9kV
		AMPS: 69.2-79.0A

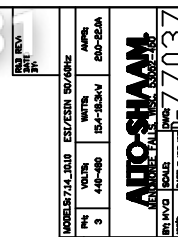


NOTES:

5. DVEN PROBE PR-33724
6. WATER TEMPERATURE PROBE PR-33759
7. WATER LEVEL PROBE PR-33707 (ONLY BOILER)
8. COILING WATER PROBE PR-33751
9. WATER TEMPERATURE PROBE PR-33724
10. STEAM BYPASS PROBE PR-33751
11. PRODUCT PROBE PR-34098
12. PRODUCT PROBE PR-33746 (OPTIONAL MULTIPoint)

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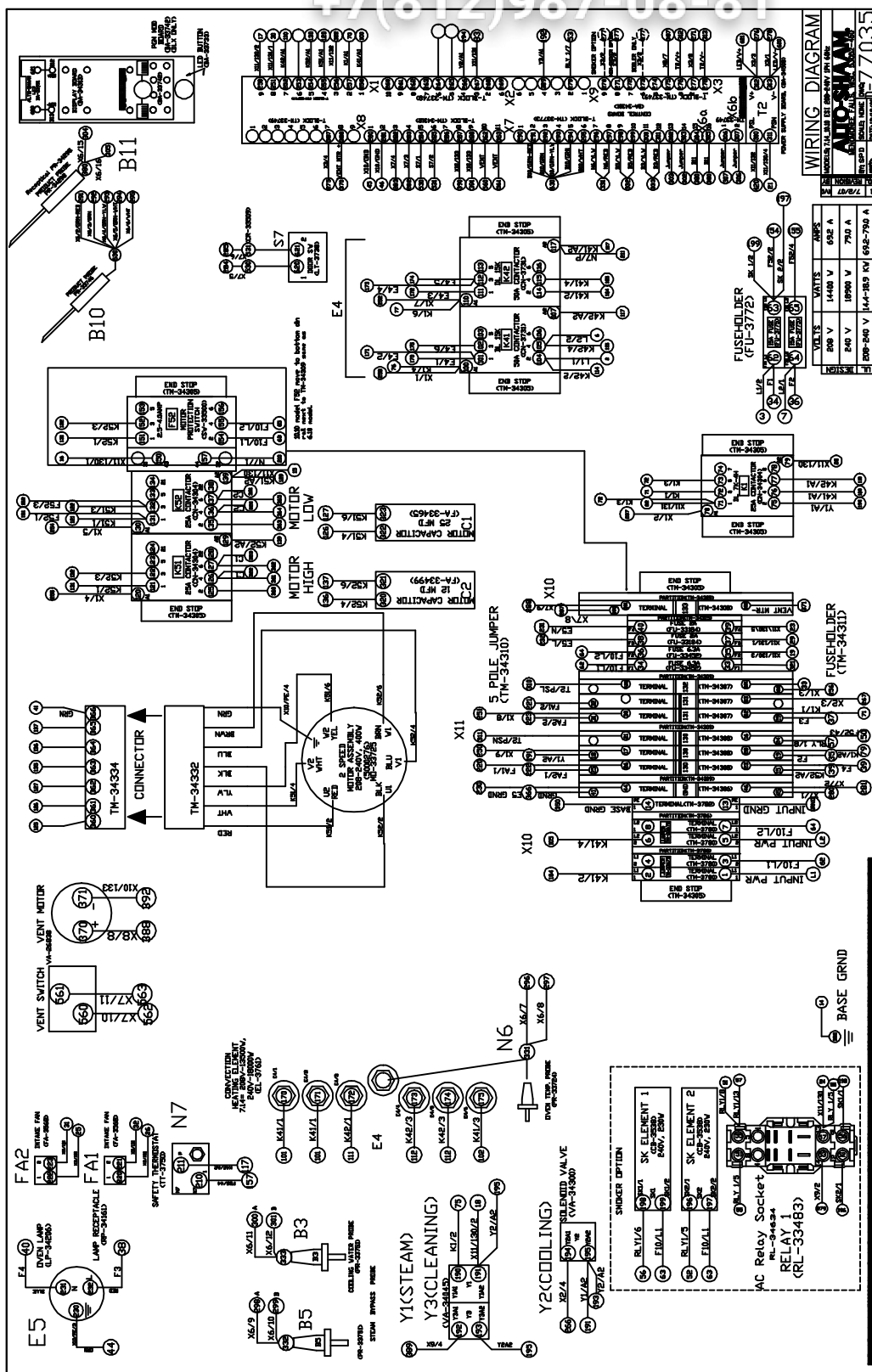






MODEL# 714_1010	ESI/ESIN 50Hz
Part	WATER
3	14.5-18.3kV
	AMP#
	21.6-25.5A

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MODELS: 714, 1010	ESI/ESIN	50/60Hz
PH: 1	VOLTS: 208-240	WATTS: 144-189kW
		AMPS: 692-79.0A
BY: M.V.G.	SCALE: 1	DWG: 5062-450
APPD:	DATE: 7/20/07	D-77035

AUTO-SHAAM
MENNONIEE FALLS, WISC. 53052-1450

