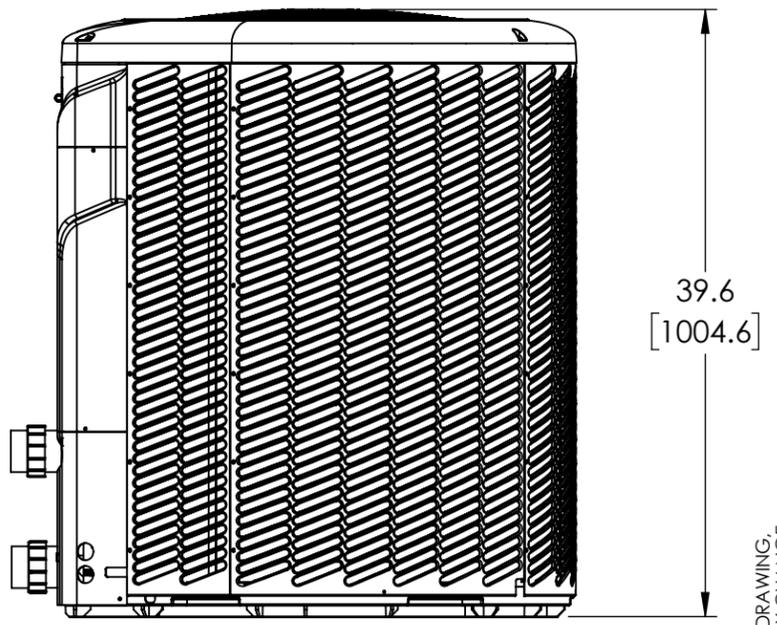
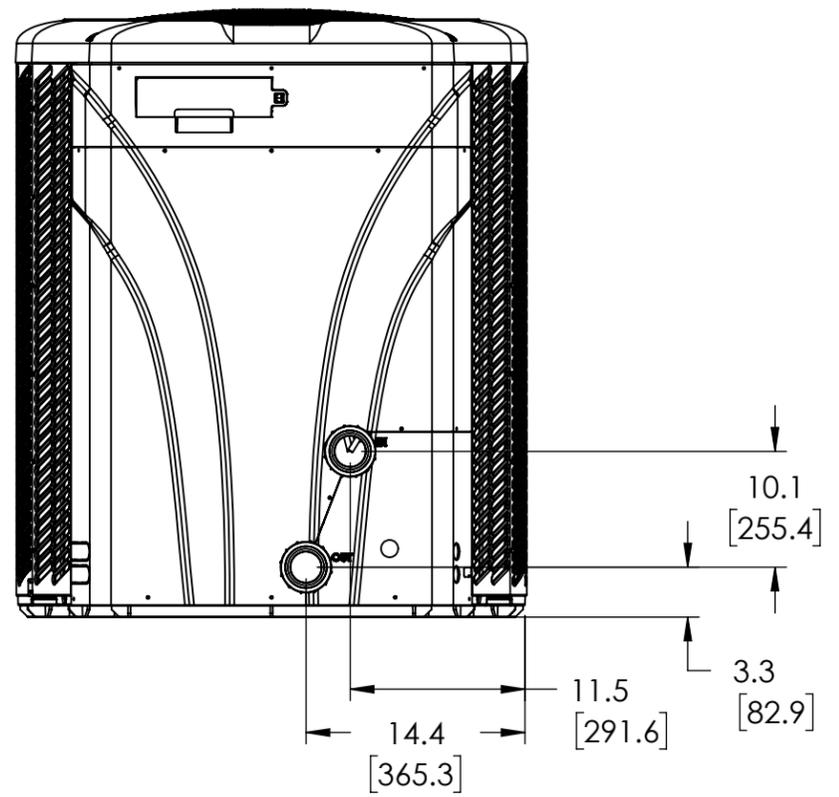
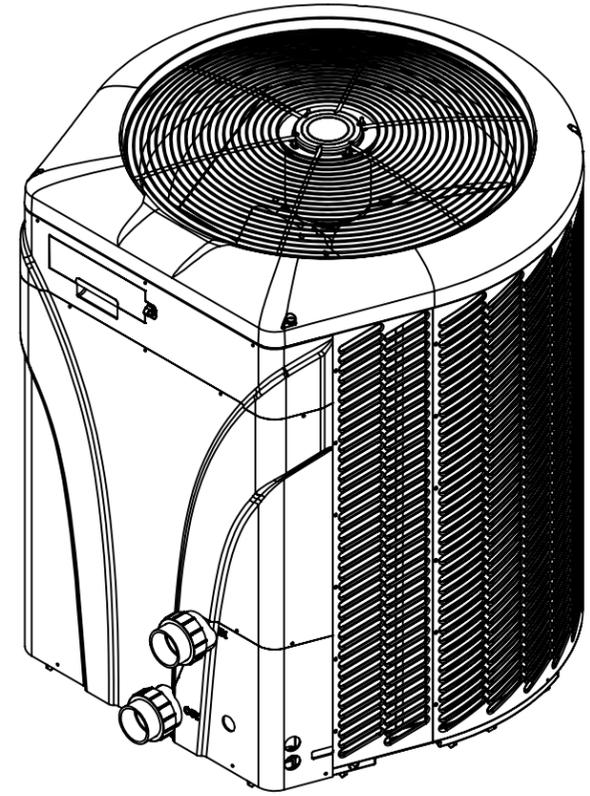
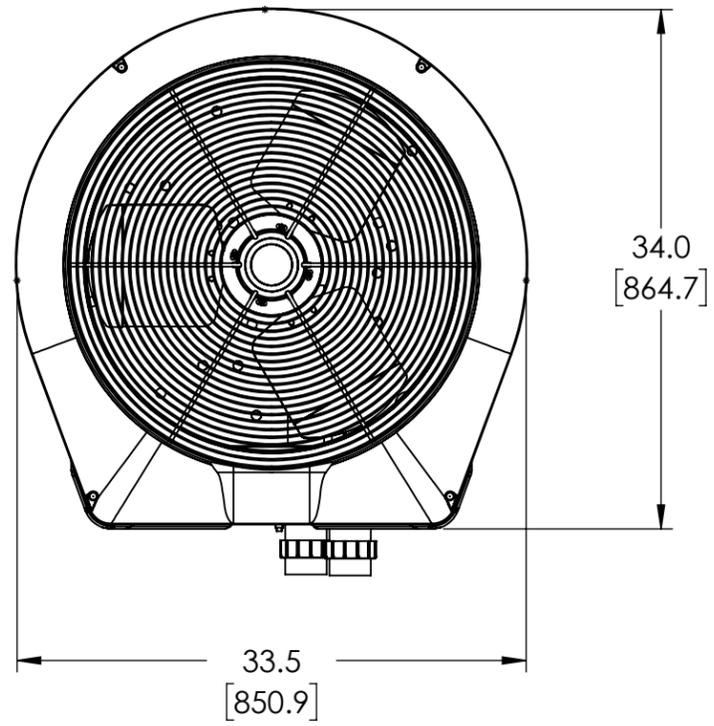


NOTES UNLESS OTHERWISE SPECIFIED:  
 1. DIMENSIONS IN [ ] ARE IN MILLIMETERS

REVISION TABLE			
REV.	PCA NUMBER/DESCRIPTION	CHANGED BY	DATE
A	INITIAL RELEASE	RENEEC	7/6/2023
B	RMV'D CHART & NOTE 2	RENEEC	12/20/2024



**AquaCal** *The Innovative Leader In Pool & Spa Water Conditioning Equipment* **AUTOPILOT** SALT CHLORINE GENERATORS

2737 24th St. No. St. Petersburg, FL 33713

**UNIT OVERALL DIMENSIONS**  
**SUPERQUIET, TROPICOOOL W/TRIM PIECE**

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE INCHES [MILLIMETERS]	DESCRIPTION
TOLERANCES: DECIMALS ANGLES	MODELED BY: RBC DATE: 12/18/2024
	DRAWN BY: RBC DATE: 7/6/2023
	PROJECT ENG: RBC CHK'D BY: RBC
MATERIAL	INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AQUACAL AUTOPILOT, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT WRITTEN PERMISSION OF AQUACAL AUTOPILOT, INC. IS PROHIBITED.
FINISH	SCALE 1:12 DWG SIZE B DWG. NO. LTM1108
DO NOT SCALE DRAWING	CAD FILE: LTM1108

REVISION A

SHEET 1 OF 1

Last Revision: 01/05/23

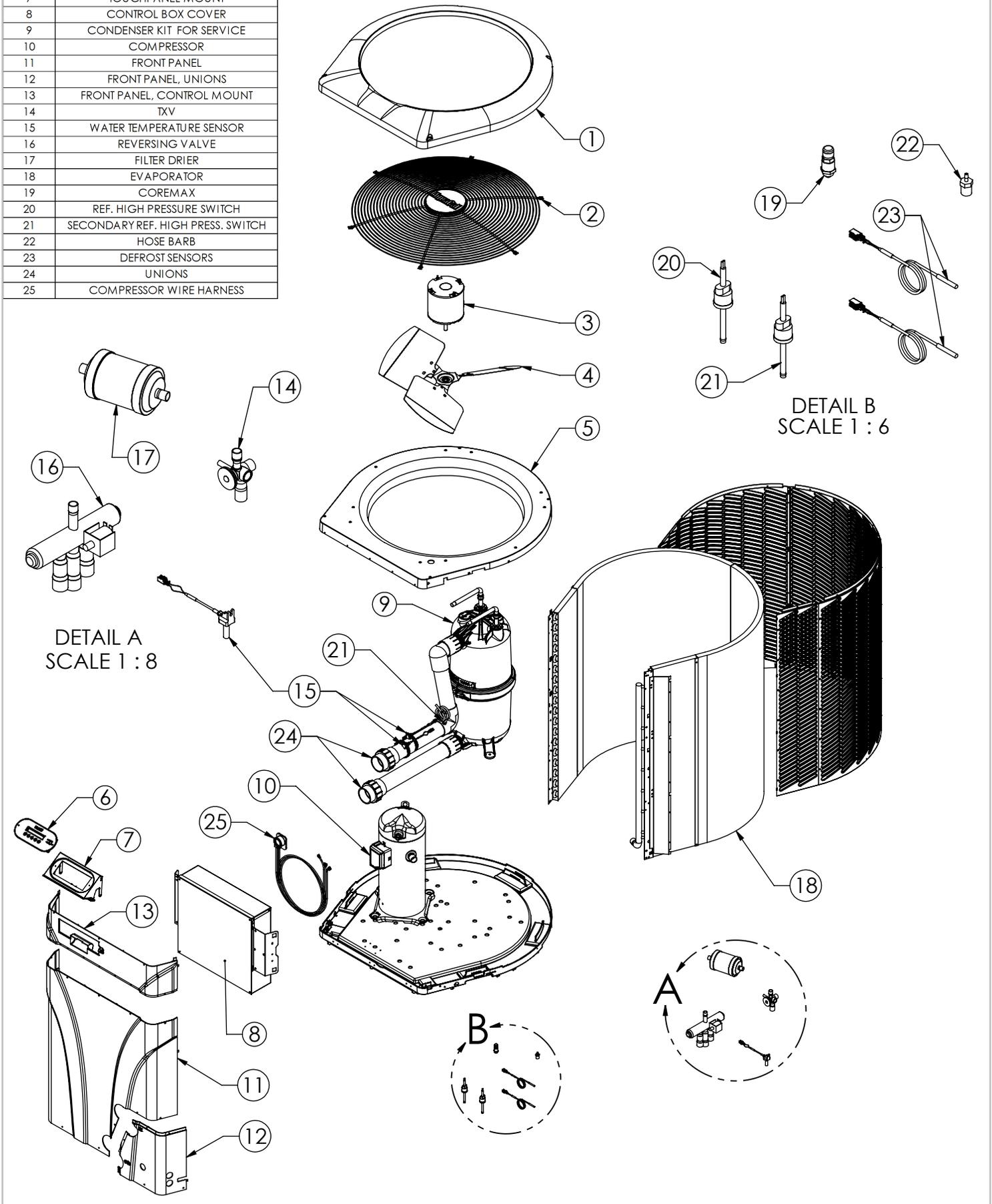
CAD GENERATED DRAWING. DO NOT MANUALLY CHANGE

ITEM NO.	DESCRIPTION
1	PLASTIC TRIM PIECE
2	FAN GRILLE
3	FAN MOTOR
4	FAN BLADE
5	FAN TOP
6	CONTROL PANEL DISPLAY
7	TOUCHPANEL MOUNT
8	CONTROL BOX COVER
9	CONDENSER KIT FOR SERVICE
10	COMPRESSOR
11	FRONT PANEL
12	FRONT PANEL, UNIONS
13	FRONT PANEL, CONTROL MOUNT
14	TXV
15	WATER TEMPERATURE SENSOR
16	REVERSING VALVE
17	FILTER DRIER
18	EVAPORATOR
19	COREMAX
20	REF. HIGH PRESSURE SWITCH
21	SECONDARY REF. HIGH PRESS. SWITCH
22	HOSE BARB
23	DEFROST SENSORS
24	UNIONS
25	COMPRESSOR WIRE HARNESS

SUPERQUIET, TROPICOOOL  
CHILLER & REVERSING HEATPUMP  
POOL HEATER: REF NO. LTM17153

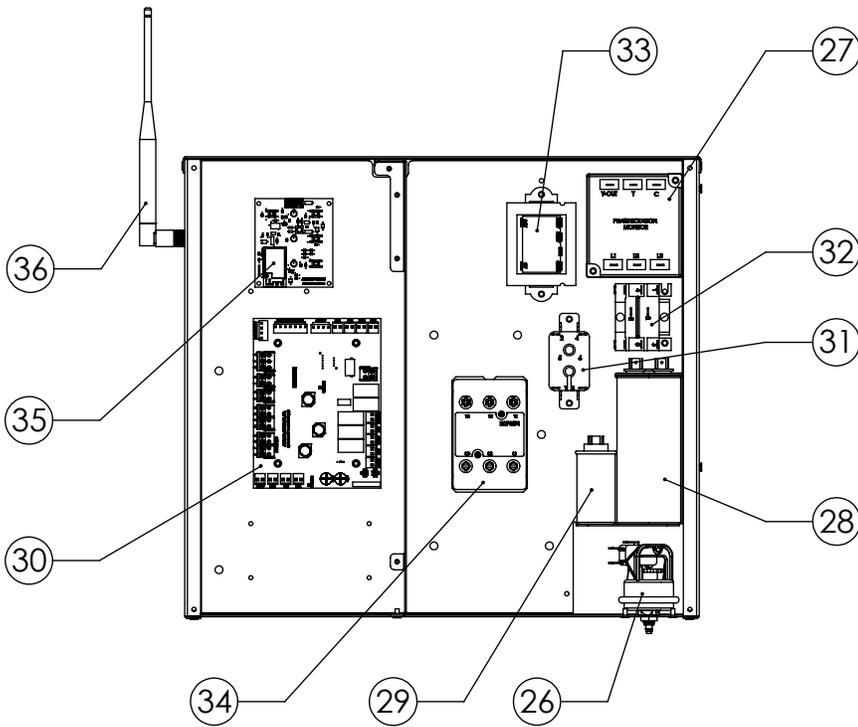


LAST REVISION BY: R. CHAPIN  
LAST UPDATE: 2/17/2025



NOTES UNLESS OTHERWISE SPECIFIED:  
 1. EQUIVALENT PARTS MAY VARY  
 IN APPEARANCE AND LOCATION

REVISION TABLE			
REV.	PCA NUMBER/DESCRIPTION	CHANGED BY	DATE
B	Correction to item numbers	JENRICO	2/7/2025



ITEM NO	GENERIC DESCRIPTION
26	WATER PRESSURE SWITCH
27	PHASE ROTATION MONITOR
28	RUN CAPACITOR
29	FAN CAPACITOR
30	CONTROL BOARD
31	FAN RELAY
32	SECONDARY FAN RELAY
33	TRANSFORMER
34	CONTACTOR
35	POOLSUNC BOARD
36	POOLSUNC ANTENNA

CAD GENERATED DRAWING.  
 DO NOT MANUALLY CHANGE



*The Innovative Leader In  
Pool & Spa Water  
Conditioning Equipment*  
2737 24th St. No.  
St. Petersburg, FL 33713



**AUTOPILOT**  
SALT CHLORINE GENERATORS

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE INCHES [MILLIMETERS]		DESCRIPTION	
TOLERANCES: DECIMALS      ANGLES		ELEC COMPONENT LAYOUT, GENERIC, SQ TC	
TBD              TBD		MODELED BY: JSE	DRAWN BY: JENRICO
MATERIAL		DATE: 6/23/2022	DATE: 12/23/2024
FINISH		PROJECT ENG: JLANE CHK'D BY: JLANE	
DO NOT SCALE DRAWING		DWG. NO.	
INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AQUACAL AUTOPILOT, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT WRITTEN PERMISSION OF AQUACAL AUTOPILOT, INC. IS PROHIBITED.		LTM17162	
SCALE    DWG SIZE		REVISION	
1:6      A		H	
CAD FILE: LTM17162		SHEET 1 OF 1	

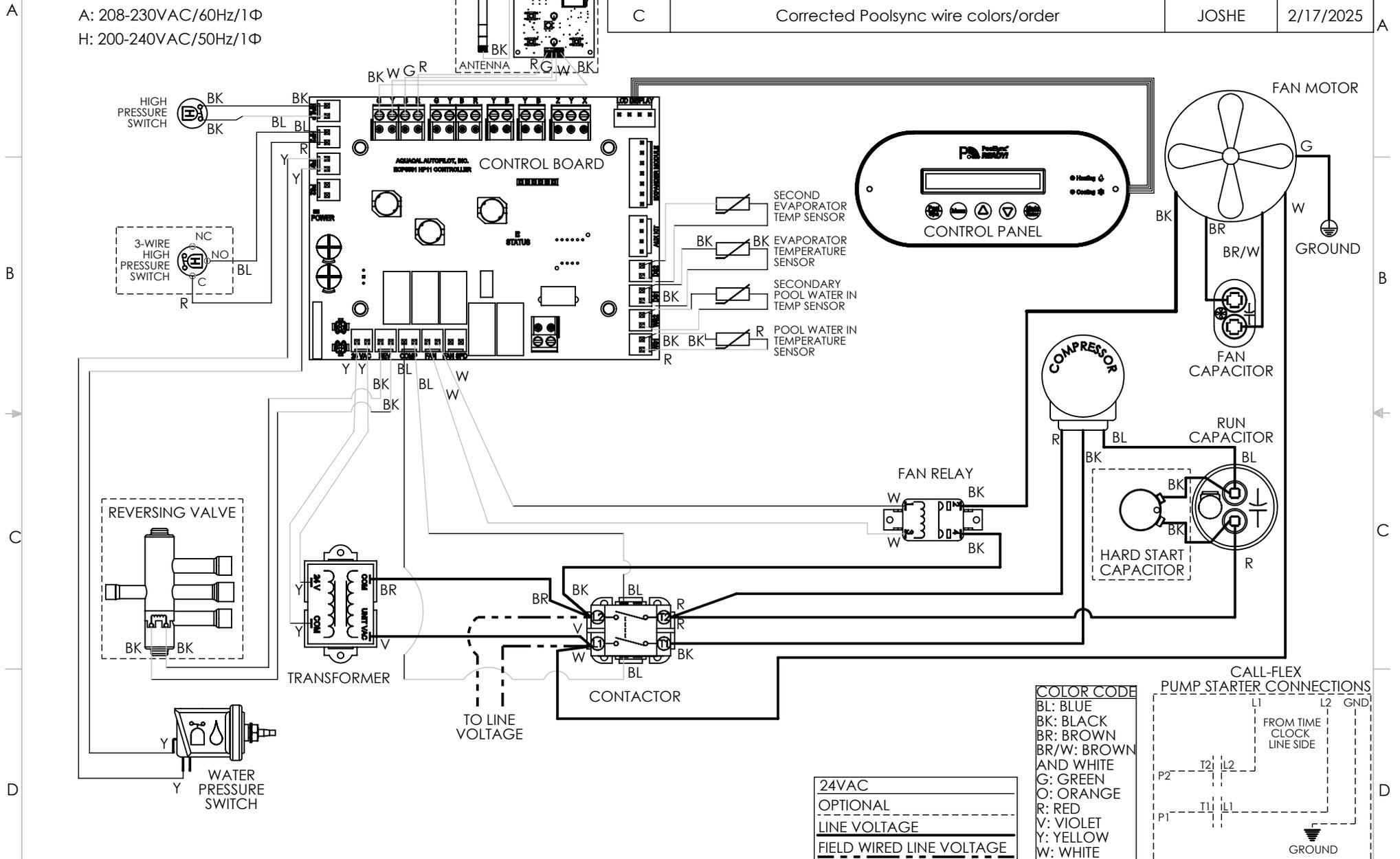
A = 208/230V Single Phase		B = 208/230V 3 Phase			
Model	TC1000	TC1500	TC1000	TC1500	
Model Revision	E		E		
Voltage	A	A	B	B	
Item	Description	Reference Part			
1	Trim	STP15908		STP15908	
2	Fan Grille	GRS0038		GRS0038	
3	Fan Motor	ECS0095		ECS0095	
4	Fan Blade	STK0198		STK0198	
5	Fan Deck	PCS0342		PCS0342	
6	Control Display	ECS0503		ECS0503	
7	Control Mount	PCS0347		PCS0347	
9	Condenser	STK0235	STK0234	STK0235	STK0234
10	Compressor	STP17159		STP17160	
11	Front Panel	PCS0344		PCS0344	
12	Union Panel	PCS0356		PCS0356	
13	Upper Control Mount	PCS0355		PCS0355	
14	TXV	RES0060		RES0060	
15	Water Temp Sensor	ECS0393		ECS0393	
16	Reversing Valve	N/A	N/A	N/A	N/A
17	Filter Drier	RES0013		RES0013	
18	Evaporator	ACP0047		ACP0049	
19	Coremax	RES1055/RES1058		RES1055/RES1058	
20	High Pressure Switch	STP0018		STP0018	
21	Secondary High Pressure Switch	STP0017		STP0017	
22	Hose Barb	PLS2642		PLS2642	
23	Defrost Sensor DS1 Defrost Sensor DS2	STP17315 STP17316		STP17315 STP17316	
24	Unions	PLS2627		PLS2627	
25	Compressor Harness				
26	Water Pressure Switch	STK15513		STK15513	
27	Phase Rotation Monitor	N/A		STK0058	
28	Run Capacitor	ECS0247		N/A	
29	Fan Capacitor	ECS6052		ECS6052	
30	Control Board	ECS0501		ECS0501	
31	Fan Relay	STP17169		STP17169	
32	Secondary Fan Relay	N/A		N/A	
33	Transformer	ECS6209		ECS6209	
34	Contactors	ECS16047		STP17168	
35	PoolSync Board	STK16906		STK16906	
36	PoolSync Antenna	STP16905		STP16905	

- NOTES UNLESS OTHERWISE SPECIFIED:  
 1. USE COPPER CONDUCTORS ONLY  
 2. TO BE WIRED IN ACCORDANCE WITH NAT'L ELEC (NEC) & LOCAL CODES  
 3. CONNECT TO TRANSFORMER TO CORRECT VOLTAGE  
 4. LINE VOLTAGE CODES

A: 208-230VAC/60Hz/1Φ

H: 200-240VAC/50Hz/1Φ

REVISION TABLE			
REV.	PCA NUMBER/DESCRIPTION	CHANGED BY	DATE
B	ADDED POOLSYNC	JOSHE	12/13/2024
C	Corrected Poolsync wire colors/order	JOSHE	2/17/2025



MODELED BY: JSE DATE: 9/10/2023 DRAWN BY: JSE DATE: 11/20/2023 DWG SIZE DESCRIPTION

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**A** DIAGRAM, WIRING, 1PH, 2-SPD, HI, 4-WIRE, HP11

SHEET 1 OF 1 DWG. NO. LTM1124  
 CAD FILE LTM1112 REVISION F

Last Revision: 02/07/24

NOTES UNLESS OTHERWISE SPECIFIED:  
 1. USE COPPER CONDUCTORS ONLY  
 2. TO BE WIRED IN ACCORDANCE WITH NAT'L ELEC (NEC) & LOCAL CODES  
 3. CONNECT TO TRANSFORMER TO CORRECT VOLTAGE  
 4. LINE VOLTAGE CODES

B: 200-230VAC/60Hz/3Φ  
 D: 380-420VAC/50Hz/3Φ  
 E: 380-420VAC/60Hz/3Φ  
 G: 460VAC/60Hz/3Φ

REVISION TABLE			
REV.	PCA NUMBER/DESCRIPTION	CHANGED BY	DATE
B	ADDED POOLSYNC	JOSHE	12/13/2024
C	Corrected Poolsync wire colors/order	JOSHE	2/17/2025

