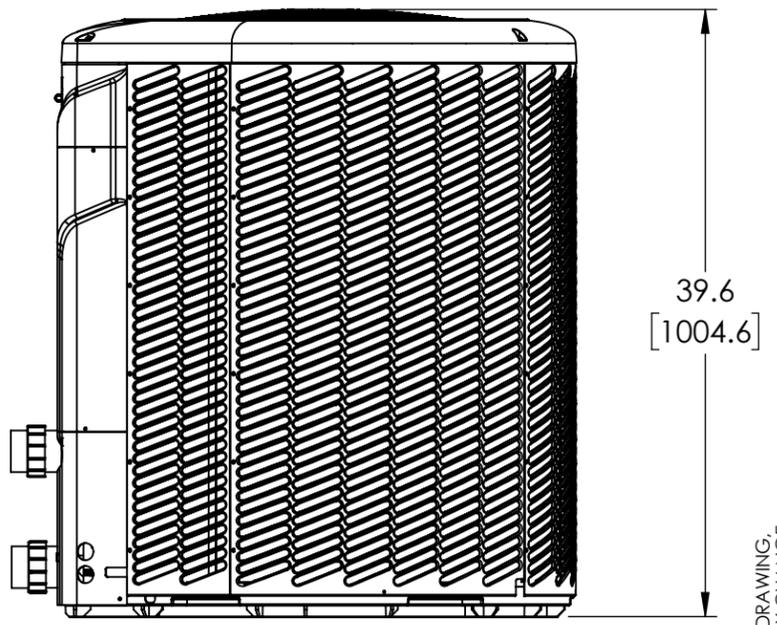
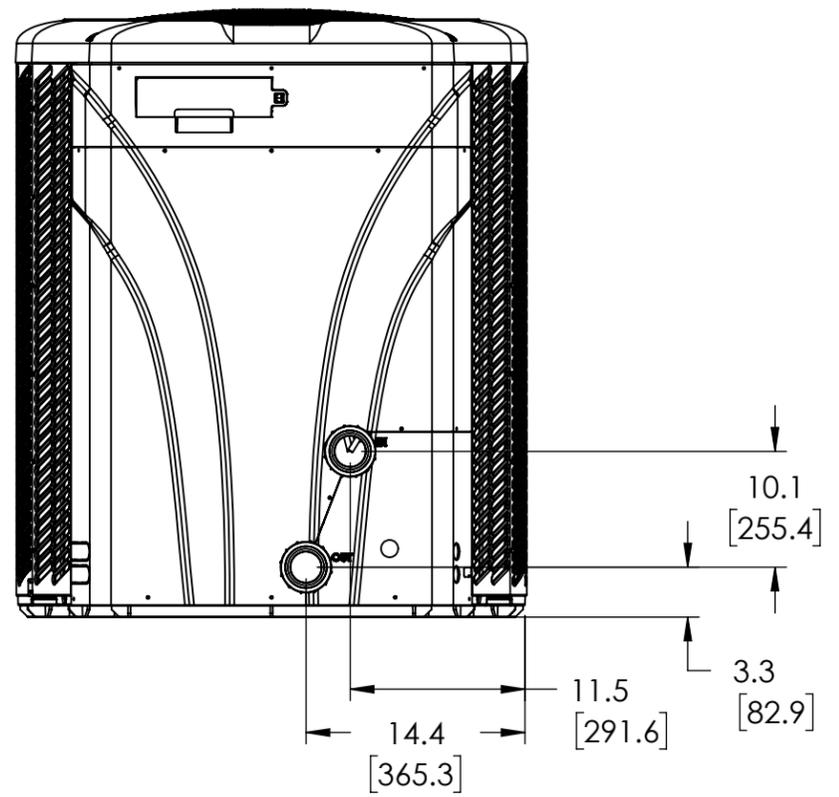
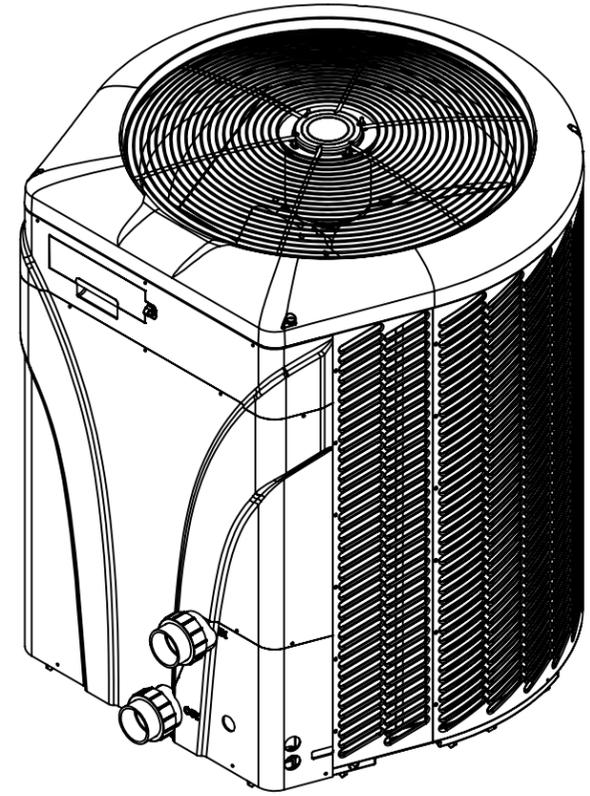
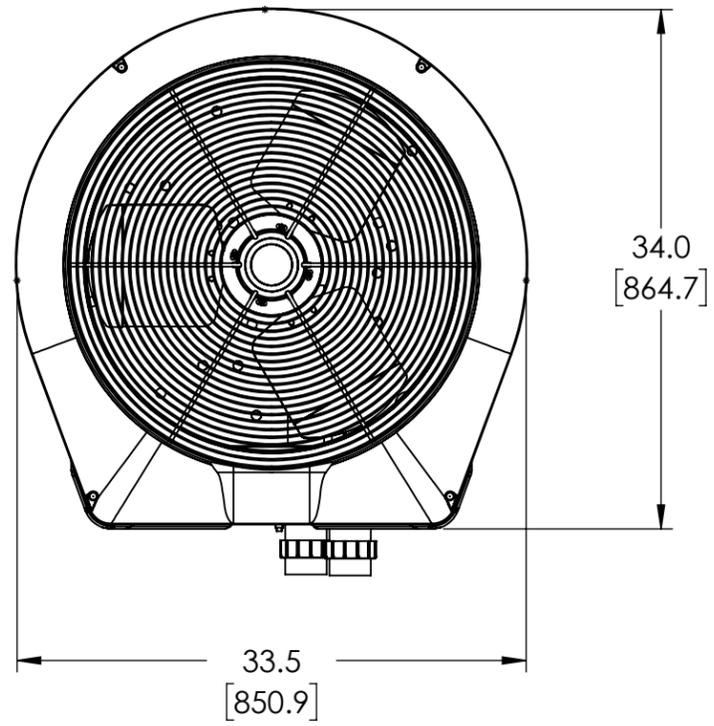


NOTES UNLESS OTHERWISE SPECIFIED:  
 1. DIMENSIONS IN [ ] ARE IN MILLIMETERS

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**  
SALT CHLORINE GENERATORS

*The Innovative Leader In  
Pool & Spa Water  
Conditioning Equipment*

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



**AUTOPILOT**  
SALT CHLORINE GENERATORS

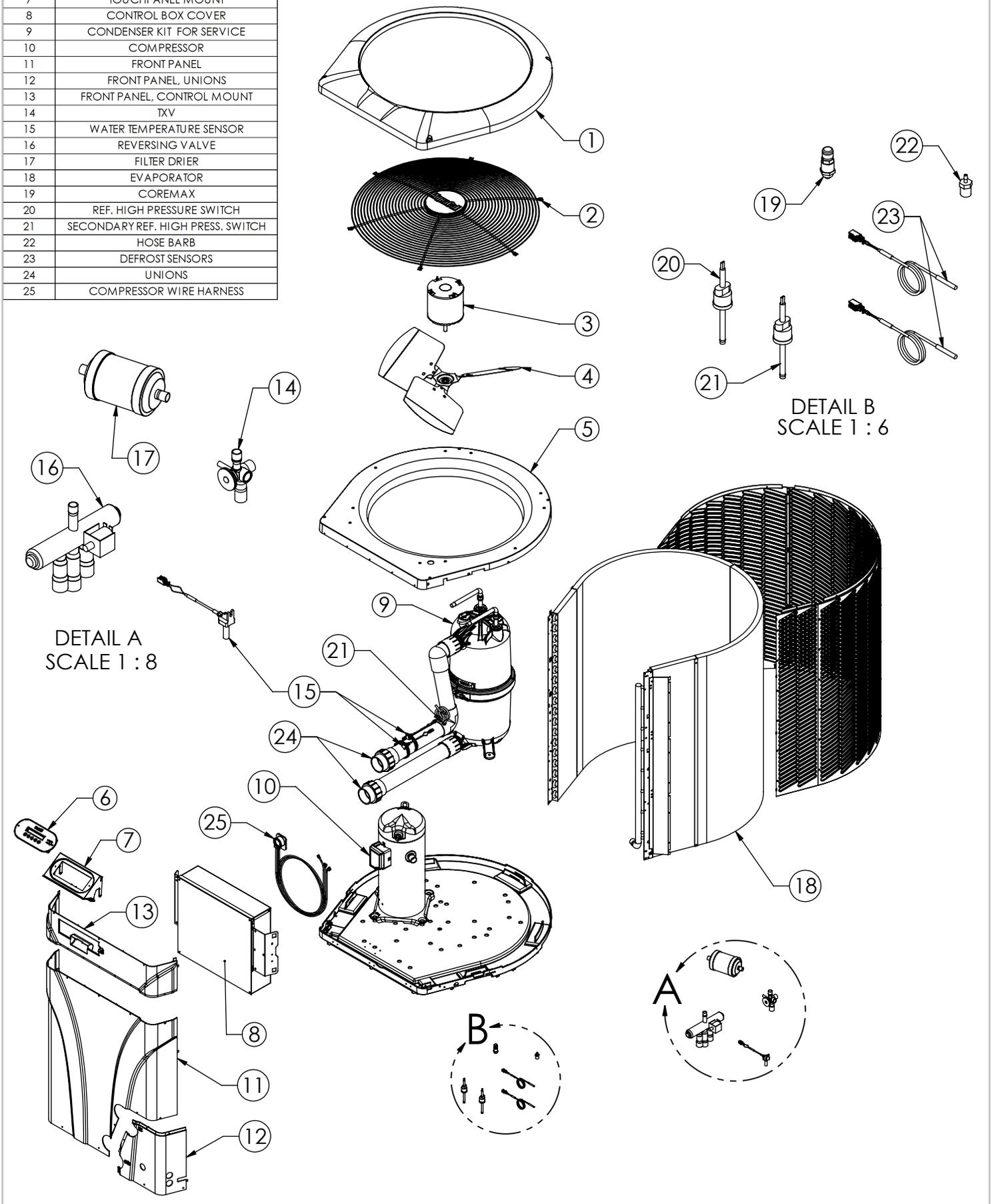
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE INCHES [MILLIMETERS]	DESCRIPTION		
	UNIT OVERALL DIMENSIONS SUPERQUIET, TROPICOOOL W/TRIM PIECE		
TOLERANCES: DECIMALS      ANGLES	MODELED BY: RBC DATE: 12/18/2024	DRAWN BY: RBC DATE: 7/6/2023	PROJECT ENG: RBC CHK'D BY: RBC
MATERIAL	INFORMATION CONTAINED IN 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.		DWG. NO. <b>LTM1108</b>
FINISH	SCALE 1:12	DWG SIZE B	REVISION A
DO NOT SCALE DRAWING	CAD FILE: LTM1108	SHEET 1 OF 1	

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

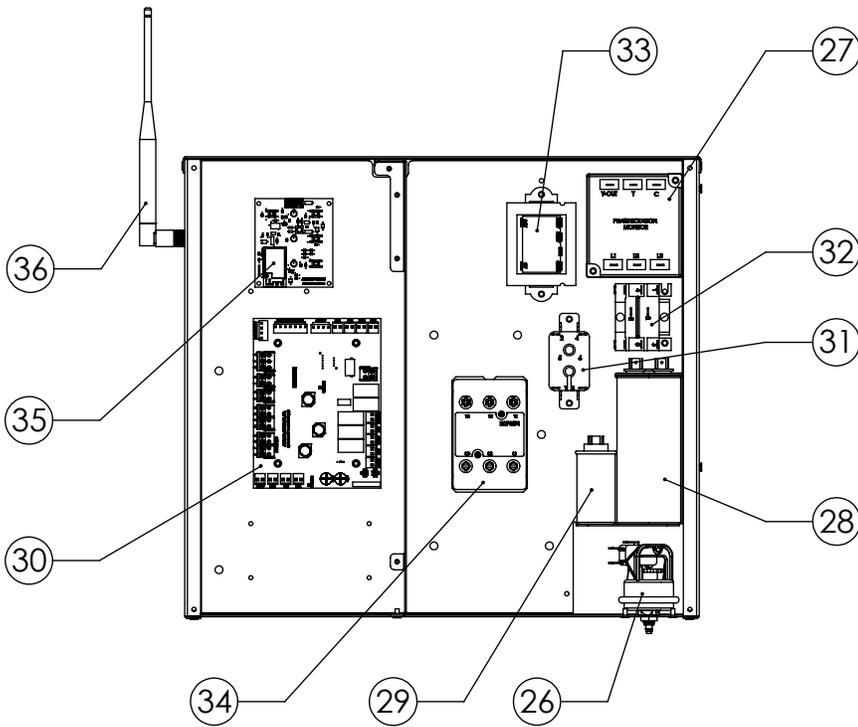


LAST REVISION BY: R. CHAPIN  
LAST UPDATE: 2/17/2025



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



UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE  
INCHES [MILLIMETERS]

TOLERANCES:  
DECIMALS      ANGLES  
TBD              TBD

MATERIAL

FINISH

DO NOT SCALE DRAWING

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



DESCRIPTION  
**ELEC COMPONENT LAYOUT, GENERIC, SQ TC**

MODELED BY: JSE      DRAWN BY: JENRICO  
DATE: 6/23/2022      DATE: 12/23/2024      PROJECT ENG: JLANE      CHK'D BY: JLANE

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.

DWG. NO.  
**LTM17162**

SCALE: 1:6      DWG SIZE: A

CAD FILE: LTM17162

REVISION  
H

SHEET 1 OF 1  
Last Revision:  
02/07/24

		<i>A = 208/230V Single Phase</i>		<i>B = 208/230V 3 Phase</i>		<i>G = 460V 3 Phase</i>		
	Model	<b>SQ140</b>		<b>SQ160</b>		<b>SQ200</b>		
	Model Revision	<b>A</b>		<b>A</b>		<b>A</b>		
	Voltage	A	B	A	B	A	B	G
<b>Item</b>	<b>Description</b>	<b>Reference Part</b>						
1	Trim	STP15908		STP15908		STP15908		
2	Fan Grille	GRS0038		GRS0038		GRS0038		
3	Fan Motor	ECS0095		ECS0126		ECS0095	ECS0263	
4	Fan Blade	STK0198		STK0276		STK0198		
5	Fan Deck	PCS0342		PCS0342		PCS0342		
6	Control Display	ECS0503		ECS0503		ECS0503		
7	Control Mount	PCS0347		PCS0347		PCS0347		
8								
9	Condenser	STK0235		STK0234		STK0234		
10	Compressor	COS0059	COS0066	COS0063	COS0065	COS0063	COS0065	COS0061
11	Front Panel	PCS0344		PCS0344		PCS0344		
12	Union Panel	PCS0356		PCS0356		PCS0356		
13	Upper Control Mount	PCS0355		PCS0355		PCS0355		
14	TXV	RES0053		RES0053		RES0053		
15	Water Temp Sensor	ECS0393		ECS0393		ECS0393		
16	Reversing Valve	RES0002		RES0002		RES0002		
17	Filter Drier	RES0072		RES0072		RES0072		
18	Evaporator	ACP0034		ACP0034		ACP0039		
19	Coremax	RES1055/RES1058		RES1055/RES1058		RES1055/RES1058		
20	High Pressure Switch	STP0018		STP0018		STP0018		
21	Secondary High Pressure Switch	STP0017		STP0017		STP0017		
22	Hose Barb	PLS2642		PLS2642		PLS2642		
23	Defrost Sensor DS1 Defrost Sensor DS2	STP17315		STP17315		STP17315		
		STP17316		STP17316		STP17316		
24	Unions	PLS2627		PLS2627		PLS2627		
25	Compressor Harness	STP17295		STP17295		STP17295		
26	Water Pressure Switch	STK15513		STK15513		STK15513		
27	Phase Rotation Monitor	N/A	STK0058	N/A	STK0058	N/A	STK0058	

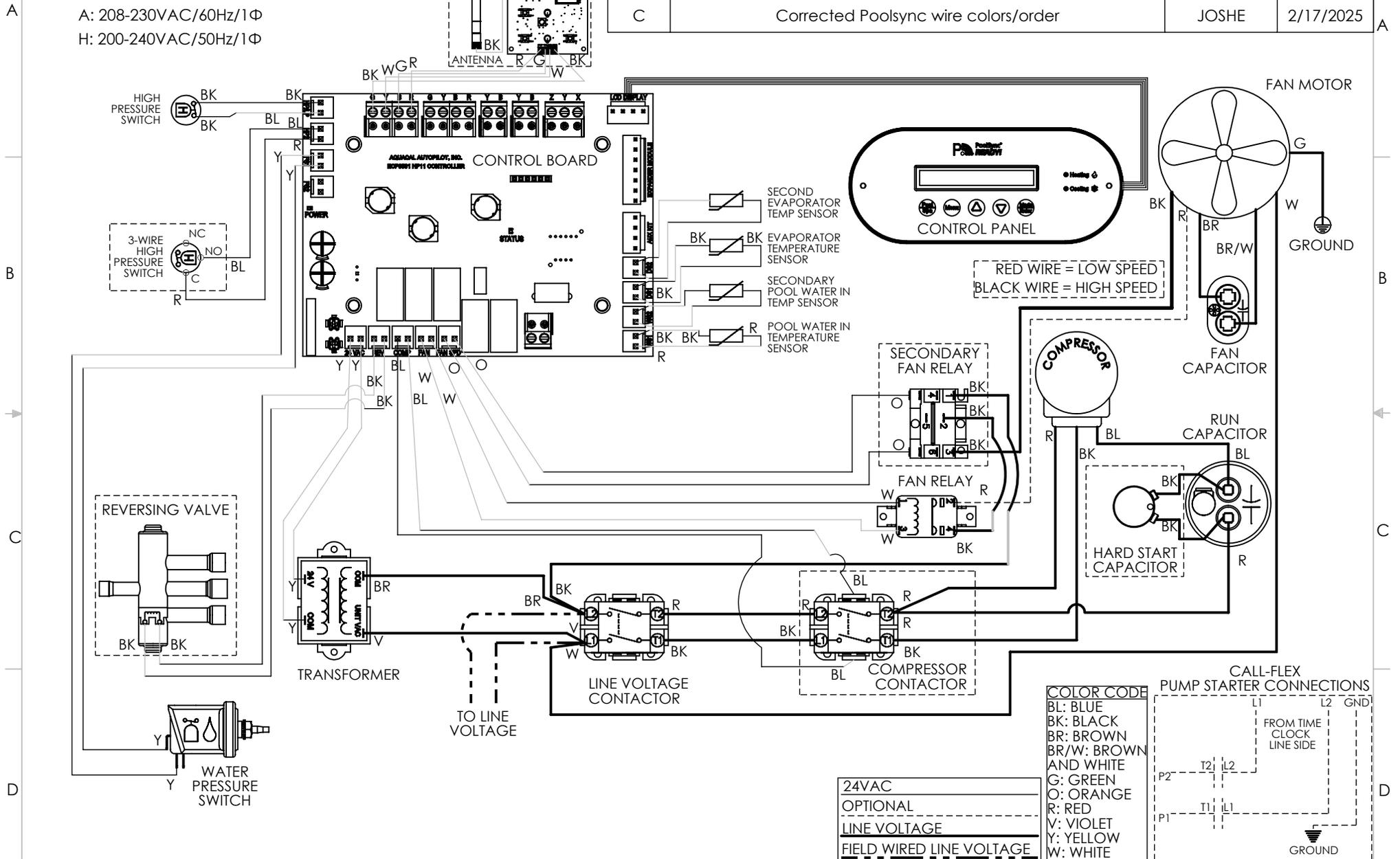
28	Run Capacitor	ECS0247	N/A	ECS0247	N/A	ECS0247	N/A
29	Fan Capacitor	ECS6052		ECS6052		ECS6052	ECS6051
30	Control Board	ECS0501		ECS0501		ECS0501	
31	Fan Relay	STP17169		STP17169		STP17169	
32	Secondary Fan Relay	STK0259		N/A		STK0259	
33	Transformer	ECS6209		ECS6209		ECS6209	STP17170
34	Contactora	ECS16047	STP17168	ECS16047	STP17168	ECS16047	STP17168
35	PoolSync Board	STK16906		STK16906		STK16906	
36	PoolSync Antenna	STP16905		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

CAD GENERATED DRAWING. DO NOT MANUALLY CHANGE. DO NOT SCALE DRAWING.  
 INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE MANUFACTURER.  
 ANY REPRODUCTION IN PART OR WHOLE WITHOUT WRITTEN PERMISSION OF THE MANUFACTURER IS PROHIBITED.

DWG SIZE DESCRIPTION  
**A** **DIAGRAM, WIRING, 1PH, 2-SPD, 4-WIRE, HP 11**

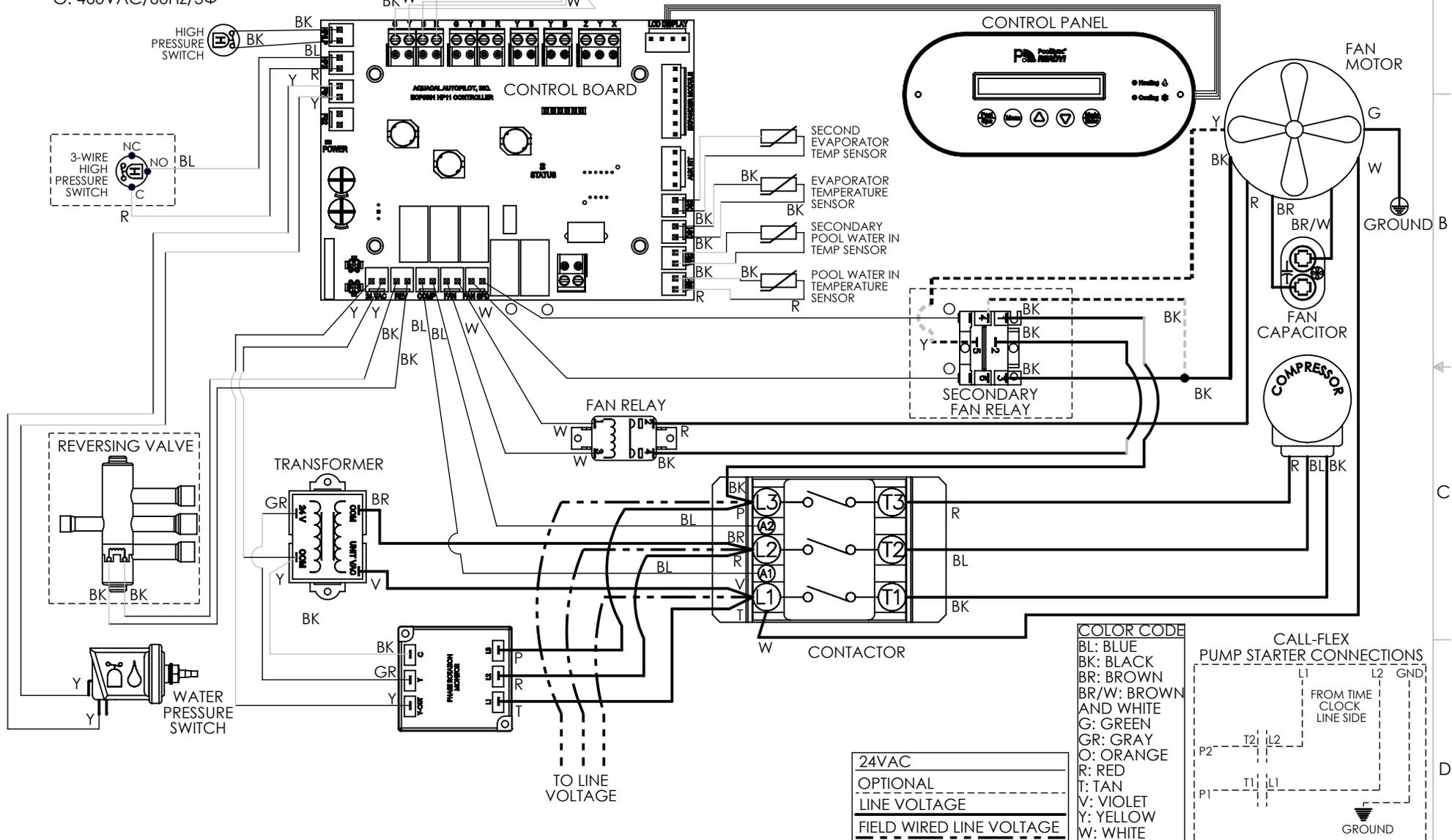
SHEET 1 OF 1 DWG. NO. **LTM1127**  
 CAD FILE LTM112 REVISION F

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



MODELED BY: JSE | DATE: 9/10/2023 | DRAWN BY: JSE | DATE: 11/22/2023 | DWG SIZE | DESCRIPTION

CAD GENERATED DRAWING. DO NOT MANUALLY CHANGE. DO NOT SCALE DRAWING.  
 INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE MANUFACTURER.  
 ANY REPRODUCTION IN PART OR WHOLE WITHOUT WRITTEN PERMISSION OF THE MANUFACTURER IS PROHIBITED.

A

DIAGRAM, WIRING, 3PH, 4-WIRE, HP11

SHEET 1 OF 1 | DWG. NO. LTM1128 | REVISION C  
 CAD FILE LTM1128

Last Revision: 02/07/24