



**CONTROL BOX**

- 1 - POWER SWITCH - DPST, 20A, 125VAC [ESW-130]
- 2 - POWER RELAY - DPDT, 30A, 240VAC [ERL-030]
- 3 -
- 4 - UNIT COOLER - 1.2A, 220V, 50/60Hz [RCO-084]
- 5 - POWER CORD - INTERNATIONAL, 3-WIRE, 16A, 230VAC [ECD-024]
- 6 - CONDENSING UNIT - 4.4A, 220/1150 [RCU-313]
- 7 - CONTROLLER W/ OVERLAY - INTELLUS, 85-264VAC, 50/60Hz [ETC-094 & ETC-109]
- 8 - TEMPERATURE SENSOR - RTD, 100 Ohm, 0.00385 Ohm/Ohm/°C [ETC-052]
- 9 - RELAY - DIN-MOUNT, SS, NO, 3-32VDC INPUT, 24-240VAC OUTPUT, 5A [ERL-060]
- 10 - HEATING HEATER - 250W @ 230VAC, 1.1A [EHE-046]
- 11 -
- 12 - SOLENOID VALVE - HOT GAS LINE, 240VAC [RVS-027, -028, -031]
- 13 - SOLENOID VALVE - LIQUID LINE, 240VAC [RVS-027, -028, -030]
- 14 - SOLENOID VALVE - DEHUMIDIFY LINE, 240VAC [RVS-027, -028, -030]
- 15 - TERMINAL BLOCK - WAGO, SERIES 2004, AWG 20-10, 30A, 600V

- 16 - RECEPTACLE - FEMALE, 6-TERMINAL & PLUG - MALE, 6-TERMINAL [ERE-045 & EPL-042]
- 17 - REHEAT HEATER - 350W @ 230VAC, 1.52A [EHE-053]
- 18 - HUMIDIFIER - ULTRASONIC, STULZ #5CA-1000, 48 VAC, 100VA, 0.43A [EHU-038]
- 19 - POWER SUPPLY - 85-264VAC INPUT, 12VDC OUTPUT, 72W [EPS-031]
- 20 - HUMIDITY SENSOR - VAISALA HMP60, 0-1VDC OUTPUT [EHU-073]
- 21 -
- 22 -
- 23 -
- 24 -
- 25 -
- 26 - TERMINAL BLOCK - WAGO, 16-CONDUCTOR, 4-TERMINAL, SNAP-IN [ETE-030]
- 27 -
- 28 -
- 29 - TRANSFORMER - 117-234 VAC INPUT, 24-48 VAC OUTPUT, 196VA [ETR-044]
- 30 -

- 31 -
- 32 -
- 33 -
- 34 -
- 36 -
- 37 -
- 38 - CIRCUIT BREAKER - ALTECH 1DU2L, 1-POLE, 2A [EBR-147]
- 39 - CIRCUIT BREAKER - ALTECH 1DU3L, 1-POLE, 3A [EBR-163]
- 40 - CIRCUIT BREAKER - ALTECH 1DU4L, 1-POLE, 4A [EBR-164]
- 41 -
- 42 -
- 43 - CIRCUIT BREAKER - ALTECH 1DU10L, 1-POLE, 10A [EBR-145]
- 44 - CIRCUIT BREAKER - ALTECH 1DU15L, 1-POLE, 15A [EBR-146]
- 45 -

ELECTRICAL SYSTEM CHARACTERISTICS					
VOLTAGE	230 VAC	PHASE	1Ø	FREQUENCY	50 Hz
AMPERAGE DRAW					
MODEL #	L1	N/A	N/A	RLA/MCA	
E-41L2	9.2 A	-	-	9.2/11.5 A	
- PROVIDE THHN STRANDED COPPER CONDUCTORS W/ A TEMPERATURE RATING OF 90°C (194°F).					

PERCIVAL SCIENTIFIC, INC.					
ELECTRICAL SCHEMATIC - GENERAL					
MODEL	E-41L2	DRAWING		REV.	
BY	RAS	DATE	02/01/24	NO.	033586-5-0-1