

Technical Data Manual

TDM

Group: Wall Mounted Package
Part Number: CLIWP TDM
Date: 10 May 2023

CLIWP Series Direct Expansion Unit with Scroll Compressor

Model

3 RT / 5 RT

Refrigerant HFC-410A

60 Hz



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Manufactured in an ISO 9001 certified facility



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SAFETY WARNINGS

This manual provides information on the technical data of the Clima Flex CLIWP series.

NOTE: Installation and maintenance should be performed only by qualified personnel who are familiar with local codes and regulations and who have experience with this type of equipment.

⚠ DANGER ⚠

LOCK OUT/LABEL all power sources before starting, pressurizing, depressurizing or shutting down the chiller.

Disconnect electrical power before servicing equipment. More than one disconnection may be required to de-energize the unit. Failure to follow this warning to the letter can result in serious injury or death. Be sure to read and understand the installation, operating and service instructions in this manual.

⚠ WARNING ⚠

Electric shock danger. Improper handling of this equipment can cause personal injury or equipment damage. This equipment must be properly grounded. Control panel connections and maintenance should be performed only by personnel knowledgeable in the operation of the equipment being controlled. Disconnect electrical power before servicing equipment. Be sure to install a earth leakage breaker. Failure to install a earth leakage breaker may result in electric shock or fire.

⚠ CAUTION ⚠

Static sensitive components. Static discharge during handling of the electronic circuit board can cause damage to components. Use a static strap before performing any service work. Never unplug any cables, circuit board terminal blocks, or power plugs while power is applied to the panel.

⚠ CAUTION ⚠

When moving refrigerant to/from the cooler using an auxiliary tank, a grounding strap should be used. An electrical charge builds up when halo-carbon refrigerant travels in a rubber hose. A grounding strap should be used between the auxiliary refrigerant tank and the cooler end sheet (ground to ground), which will safely carry the charge to ground. Failure to follow this procedure may result in damage to sensitive electronic components.

⚠ WARNING ⚠

If refrigerant leaks from the unit, there is a potential choking danger as the refrigerant will displace air in the immediate area. Be sure to follow all applicable published industry-related standards and local, state, and federal statutes, regulations, and codes if refrigerant is produced. Avoid exposing refrigerant to an open flame or other ignition source.

⚠ WARNING ⚠

Polyolester oil, commonly referred to as POE oil, is a synthetic oil used in many refrigeration systems and may be present in this Clima Flex product. POE oil, if it ever comes in contact with PCV/CPVC, will coat the inside wall of the PVC/CPVC pipe and cause environmental stress fractures. Although there is no PCV/CPCV pipe in this product, keep this in mind when selecting piping materials for your application, as system failure and property damage could occur. Consult the pipe manufacturer's recommendations to determine appropriate pipe applications.

DANGER IDENTIFICATION INFORMATION

⚠ DANGER ⚠

Danger indicates a dangerous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING ⚠

Warning indicates a potentially dangerous situation which may result in property damage, personal injury or death if not avoided

⚠ CAUTION ⚠

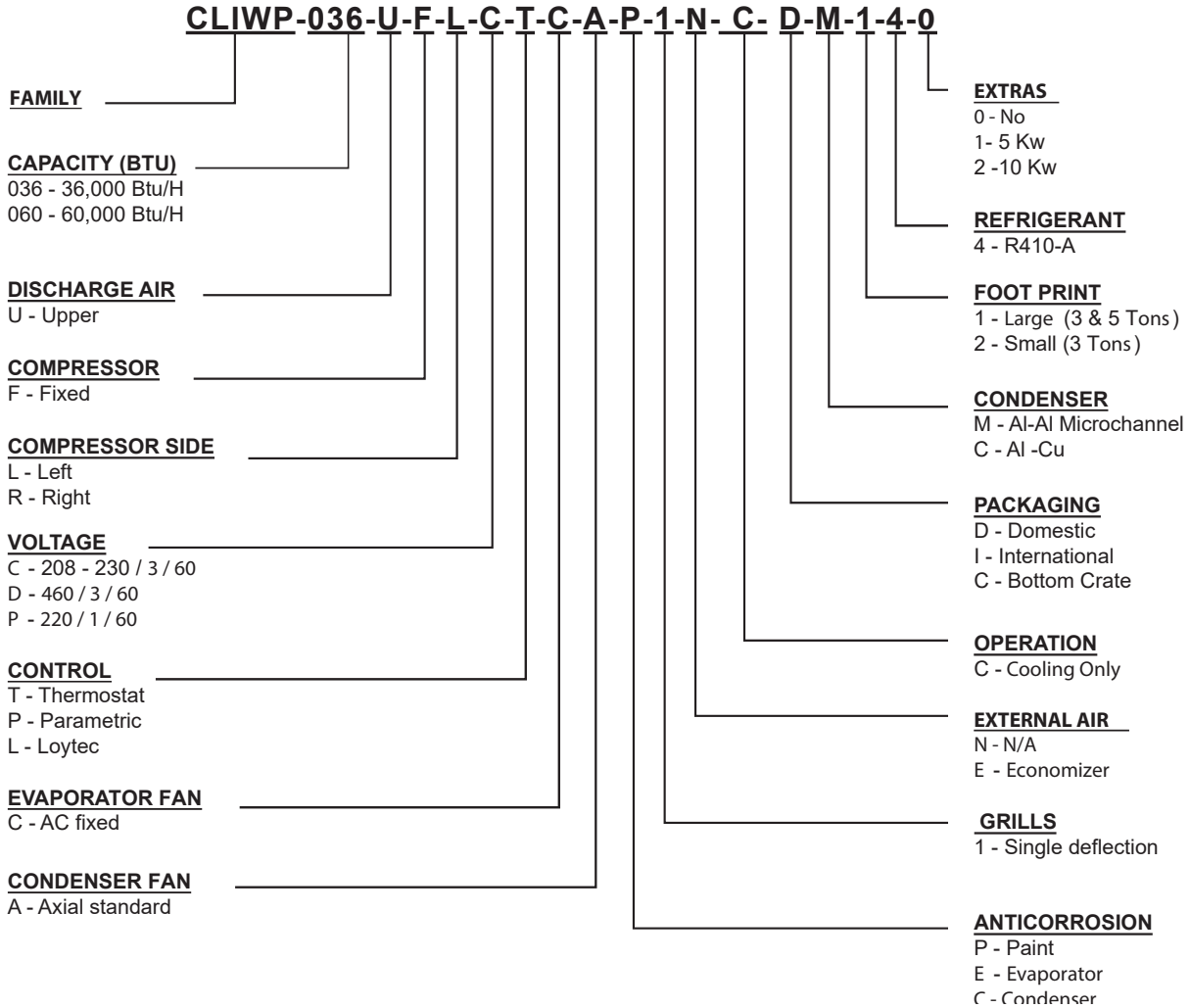
Caution indicates a potentially dangerous situation which may result in minor injury or equipment damage if not avoided.

NOTES: Indicate important details or clarifying statements for the information presented.

Clima Flex's CLIWP series direct expansion wall-mounted package cooling systems are complete, self-contained, automatic chillers designed for outdoor installation. The package units are fully assembled, factory wired, charged and tested.

The electrical control center includes all operating controls and equipment protection necessary for reliable automatic operation. Components housed in a weatherproof control panel.

NOMENCLATURE



FEATURES/BENEFITS

EFFICIENCY

CLIWP units are designed to meet the needs of any project for telecommunications networks, data centers, laboratories, schools, hospitals and industrial use.

CLIWP units have diverse applications and can be installed individually or in any combination to achieve the exact capacity of the project. Their high efficiency and easy operation achieves the desired temperatures accurately, quickly and with efficient energy consumption.

The CLIWP units can work 1 + 1 (by means of a separately purchased sequencer), i.e., one in operation and one in backup. The units have different connectivity and remote monitoring options using the most common protocols such as ModBus, BACnet and TCP/IP.

SELF CONTAINED AND SELF SPACE SAVING

The CLIWP unit is completely self-contained. All its components are inside the cabinet. It uses no usable space in the room to be conditioned, it is installed on an exterior wall with a minimum volume, without requiring roof areas or exterior floors.

EASY TO INSTALL

The equipment is assembled, wired, charged with refrigerant, oil and is systematically factory tested to ensure that you will have a quick and trouble-free installation.

DESIGN

The work carried out by our engineering and development department has resulted in equipment with high efficiency in design and optimum performance during operation.

The selection of high quality main components, our quality processes and the control system during manufacturing, guarantee a high performance and safety equipment.

All major components are rigorously tested and validated before installation. Each engineered unit has undergone long hours of rigorous testing to ensure the efficiency, safety, durability and quality of the entire system.

All external paint is baked-on and meets the most stringent quality standards (ASTM-B117 1500 hour salt spray test).

The selection of high-end compressors and heat exchangers ensures the capacity and high efficiency of the equipment.

All our equipment has a reduced footprint, which facilitates installation and maintenance maneuvers, being able to make use of stairs, doors and service elevators to move the equipment.

COMMUNICATION

Our equipment can be connected / integrated through different communication protocols; such as TCP/IP, ModBUS and BacNet**, the most common protocols used in the Air Conditioning industry.

Our equipment keeps track of all programmable variables in real time, such as system load monitoring, specific alarms of the refrigeration cycle, and the electrical system. As well as detection of external factors such as fire or flood (optional sensors).

The control system ensures the correct operation of the equipment by monitoring in real time the condition of the major components (high or low refrigerant pressure, compressor conditions and electrical power monitoring).

In case of failure, the event will be recorded for later analysis, facilitating the location of a possible failure and its solution.

* Depends on the type of control.

** The available communication protocols depend on the type of control.

MAINTENANCE

The simplicity in the design of the equipment allows for maximum ease of preventive/corrective maintenance. All major components are available to maintenance personnel by simply opening the service panels.

If an emergency shutdown occurs, the digital control of the equipment will indicate in detail the cause of the alarm, helping to facilitate and accelerate the solution of the alarm.

TESTS

This task is charged with the refrigerant necessary for proper operation based on the customer's installation conditions.

The units are tested at full load operation, thermal load and line voltage at actual operating conditions.

NOTE: The warranty policy requires that startup and commissioning be performed by qualified personnel authorized by the manufacturer.

ElectroFin® E-Coat Coil coating corrosion resistant factory-applied

ElectroFin® E-Coat is a flexible, water-based, cationic epoxy polymer using an electrodeposition coating process designed specifically for heat transfer coils in heating, air conditioning and refrigeration systems. The PPG POWERCRON® HE (high edge) technology enhances fin edge coverage through a polymerized through a unique polymer that controls the flow characteristics of the coating.

Electrofin® E-Coat Meets The Following Testing Standards

- ASTM B117 / DIN 53167 Salt spray test - over over 15,000 hours.
- ASTM G85 Annex A3 SWAAT Salt Spray Test with modified salt - 3000 hours.
- Division 23 specification for main construction VA for High Humidity Installations.
- CID AA-52474A (GSA)

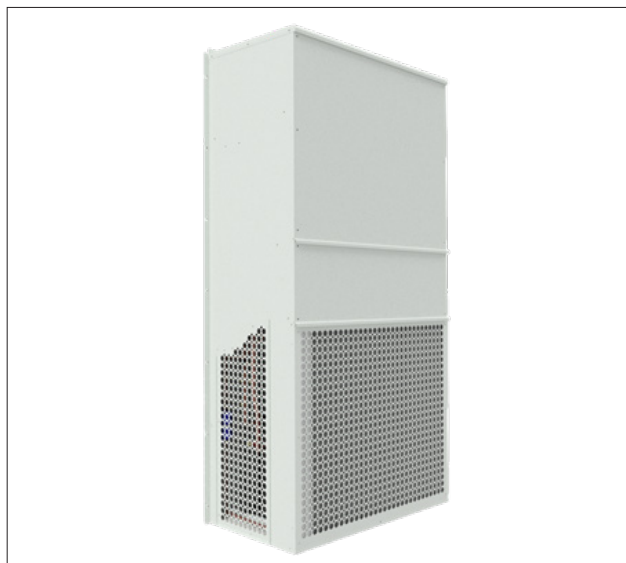


TECHNICAL FEATURES

PROPERTY	TEST METHOD	PERFORMANCE
Dry layer thickness	ASTM D7091	0.6-1.2 mils / 15-30 µm
Brightness - 60 degrees	ASTM D523	55-75
Pencil hardness	ASTM D3363	2H minimum
Inmersion water	ASTM D870	1000 hours
Cross hatch adhesion	ASTM D3359	5B
Direct impact	ASTM D2794	160 in-lb
Salt spray corrosion	ASTM B117 / DIN 53167	More of 15,000 hours
Humidity	ASTM D2247	1000 minimum hours
Reduction of heat transfer	--	Less than 1%
Improved flap coating	--	Up to 30 flaps per inch
pH range	--	3-12
Temperature limits	--	-40°F to 325°F / -40°C to 163°C (Dry load)

TECHNICAL INFORMATION

Figure 1. CLIWP 3RT / 5RT Direct Expansion Unit



Capacity - BTU / RT	36,000 / 3	60,000 / 5
Compressor		
Compressor Type	Fixed	Fixed
Consumption (KW) - 85° F/29.4°C	2.1	3.5
Consumption (KW) - 95° F/35°C	2.4	4
Consumption (KW) - 105° F/40.5°C	2.7	4.5
Amperage (A) - 85° F/29.4°C	7.8	11.2
Amperage (A) - 95° F/35°C	8.5	12.2
Amperage (A) - 105° F/40.5°C	9.3	13.5

Capacity - BTU / RT	36,000 / 3	60,000 / 5
Condenser Fan		
Type	Axial	Axial
Pressure Drop (in H2O)	0.4	0.4
Air Operating Range °F	95	95
Consumption (KW)	0.5	0.6
Amperage (A)	5.7	6.1

Capacity - BTU / RT	36,000 / 3	60,000 / 5
Evaporator Fan		
Type	Centrifugal	Centrifugal
Pressure drop (in H2O)	1	1
Air Operating Range °F	55 / 120	55 / 120
Consumption (KW)	0.56	0.56
Amperage (A)	3.2	4.2

Capacity - BTU / RT	36,000 / 3	60,000 / 5
Condenser		
Type	Microchannel	Microchannel
Air Flow (CFM)	2400	4000
Area (ft)	8.7	8.7
Pressure Drop (in H2O)	0.4	0.4

Capacity - BTU / RT	36,000 / 3	60,000 / 5
Evaporator		
Type	Cu - Al	Cu - Al
Air Flow (CFM)	1200	1600
Area (ft)	3.5	3.5

NOTE: The document is subject to change without notice.

TROUBLESHOOTING

Problem	Probable Cause	Solution
The 2 units do not turn on	Power Failure	Check the wiring and that the connected lines are powered.
	Blown Fuse	See if in the area of C1, fuses F1 and F2 are in good condition, replace if necessary.
	Motor Saver indicates an error	Read the diagnostic LEDs on the Motor Saver and correct as instructed. See section 8.1 Motor Saver.
	Shutdown due to external or faulty temperature sensor	Check the operation of the temperature sensors.
One unit does not turn on	Power failure	Check wiring and that connected lines are powered.
	Fuse blown	See if in C1 area, fuses F1 and F2 are in good condition, replace if necessary.
	Motor Saver indicates an error	Read the diagnostic LEDs on the Motor Saver and correct as instructed. See Motor Saver section.
	Equipment alarmed	Check the status of each equipment and if they have any alarms, correct the problem.
	Shutdown due to external or faulty temperature sensor	Check the operation of the temperature sensors.
	Other equipment is operating	Wait for automatic shutdown of the equipment in operation or force it to shut down by linkage.

Problem	Probable Cause	Solution
No cooling	Low refrigerant charge	Check pressure using pressure gauges and add gas if necessary.
	Compressor counter is faulty	Check contactor voltage, if none is present, determine what is causing the voltage loss and repair.
	No output to temperature sensor	Check temperature sensor operation. You should have terminal voltage while cooling is occurring.
Equipment alarms for electrical protection	Motor Saver detected a power supply problem	Read the diagnostic LEDs on the Motor Saver and correct as instructed. See Motor Saver section.
Equipment alarms for high pressure	Loss or restriction of air flow	Check and confirm proper operation of condenser fan. Observe that the coil is clean and that there are no restrictions in the air intake louvers.
	Fan rotates but does not move air	Loosen the motor shaft to blade cone set screw and move the cone forward so that the blades are inside the fan frame and tighten the screw.

Status	Meaning and/or solution
Two red lights/ pause	The voltage is unbalanced or in one phase, measure the voltages on the input lines and calculate the percentage of unbalance. If it does not exceed the percentage reset value, contact your distributor at www.symcom.com.
Continuous red light	The voltage is out of tolerance, measure the Line to Line voltages. Calculate the average voltage and if it is greater or less than 7% of nominal, the Motor Saver is operating correctly, if the error is less than 7% contact your distributor at www.symcom.com.
Flashing green light	The Motor Saver is in a restart delay.
Continuous green light	The Motor Saver is in operation mode. Observe that the control devices allow the motor to start. Check for loose wires or broken dampers in the control circuit.

Settings: The equipment you purchase already has the factory settings, so you do not need to change them.

MOTOR SAVER (OPTIONAL)

Status	Meaning and/or solution
No light is emitted	Measure the Line-to-Line voltages. If any are below 150 VAC, the Motor Saver does not have sufficient power to operate its internal components. This can occur on single phase systems. If the voltages are correct, contact your authorized distributor.
Red light flashing from start	Turn off the three-phase power, switch two of the lines feeding the device. There is a 50% chance of connecting L1, L2 and L3 correctly from the beginning. Reapply power to the lines.
Red light flashing after engine has run	The input lines have reversed their phases. The Motor Saver is preventing the motor from turning inverted. Correct the phase sequence.

Table 1. Maximum overcurrent protection and Minimum circuit amperage (220v)

# EQ	RT/UN	Compressor	MCA	MOP
1	3	Fixed	23.5	42.30
1	5	Fixed	30.5	54.90

Table 2. Maximum overcurrent protection and Minimum circuit amperage (440v)

# EQ	RT/UN	Compressor	MCA	MOP
1	3	Fixed	12.5	22.50
1	5	Fixed	15.0	27.00

TECHNICAL INFORMATION

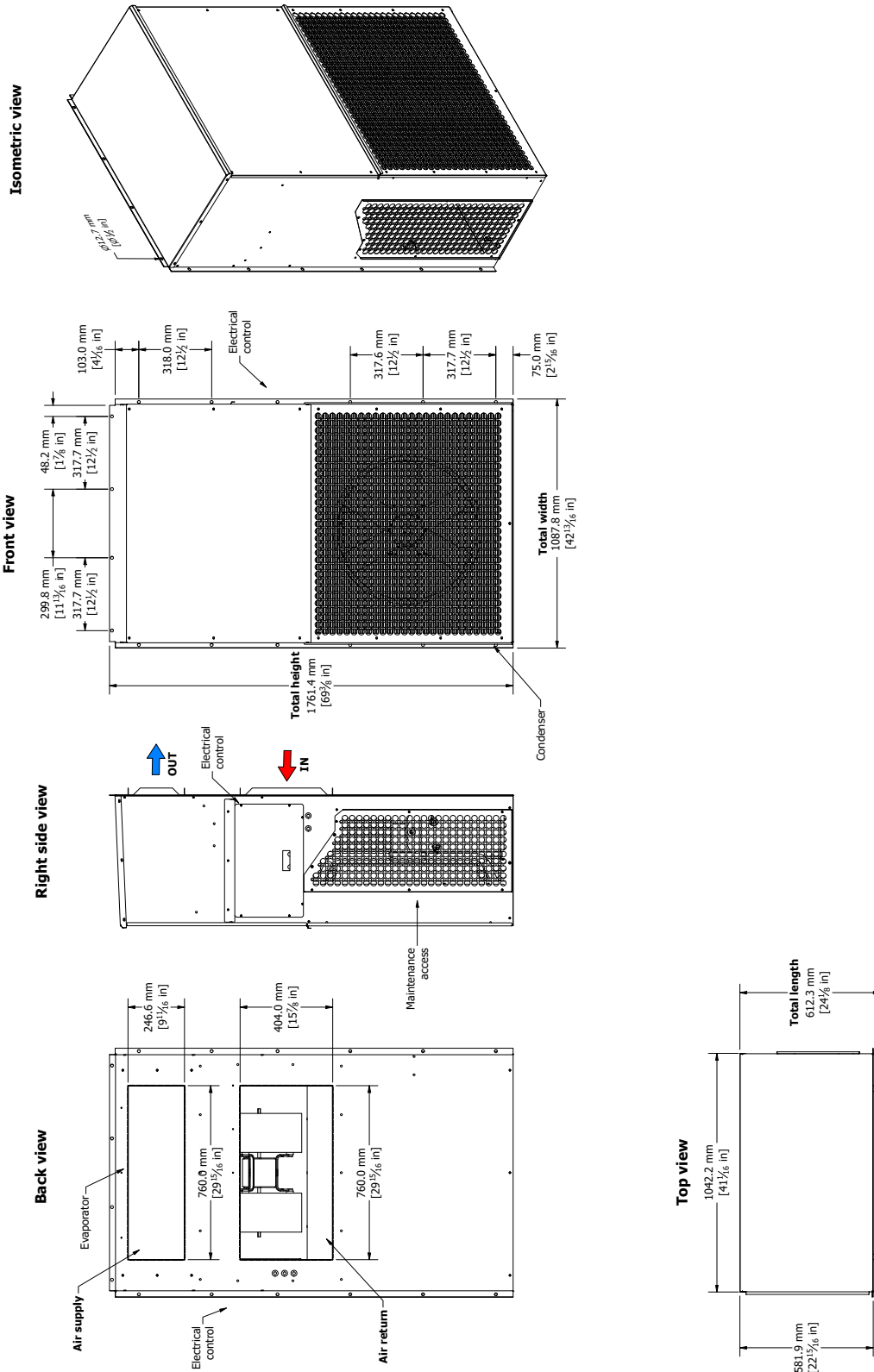
Table 3. CLIWP 3 RT performance table

COOLING APPLICATION DATA AT NOMINAL AIR FLOW RATE														
Dry Bulb Outside Air Temperature Entering Condenser Zone Of Unit														
Model	Indoor return air (DB / WB)	Cooling capacity (BTUH)	"75°F 23.9°C"	"80°F 26.6°C"	"85°F 29.4°C"	"90°F 32.2°C"	"95°F 35°C"	"100°F 37.8°C"	"105°F 40.5°C"	"110°F 43.3°C"	"115°F 46.1°C"	"120°F 48.8°C"	"125°F 51.6°C"	"131°F 55°C"
CLIWP	75/62 °F	Total cooling	39200	38100	36900	35700	34400	33100	31800	30500	30500	27600	26100	25000
	23.8/16.6 °F	Sensible cooling	33786	32838	31804	30770	29649	28529	27408	26288	26288	23788	22496	21548
	80/67 °F	Total cooling	43100	41900	40600	39300	38000	36600	35200	33800	33800	30800	29200	28100
	26.6/19.4 °C	Sensible cooling	37148	36114	34993	33873	32752	31546	30339	29132	29132	26547	25167	24219
	85/72 °F	Total cooling	47300	45900	44600	43200	41800	40300	38800	37300	37300	34100	32400	31300
	29.4/22.2 °C	Sensible cooling	40768	39561	38441	37234	36027	34735	33442	32149	32149	29391	27926	26977

Table 4. CLIWP 5 RT performance table

COOLING APPLICATION DATA AT NOMINAL AIR FLOW RATE												
Dry Bulb Outside Air Temperature Entering Condenser Zone Of Unit												
Model	Indoor return air (DB / WB)	Cooling capacity (BTUH)	"75°F 23.9°C"	"80°F 26.6°C"	"85°F 29.4°C"	"90°F 32.2°C"	"95°F 35°C"	"100°F 37.8°C"	"105°F 40.5°C"	"110°F 43.3°C"	"115°F 46.1°C"	"120°F 48.8°C"
CLIWP	75/62 °F	Total cooling	59,300	57,400	55,600	53,600	51,700	49,600	47,600	45,400	43,200	40,700
	23.8/16.6 °F	Sensible cooling	43,645	42,246	40,922	39,450	38,051	36,506	35,034	33,414	31,795	29,955
	80/67 °F	Total cooling	65,100	63,200	61,100	59,100	57,000	54,800	52,500	50,200	47,800	45,100
	26.6/19.4 °C	Sensible cooling	47,914	46,515	44,970	43,498	41,952	40,333	38,640	36,947	35,181	33,194
	85/72 °F	Total cooling	71,500	69,300	67,100	64,900	62,600	60,300	57,800	55,300	52,800	49,800
	29.4/22.2 °C	Sensible cooling	52,624	51,005	49,386	47,766	46,074	44,381	42,541	40,701	38,861	36,653

Figure 2. Dimensional Configuration CLIWP cooling only 3 RT (This dwg is for small footprint and only available for 3 RT)



DESIGN PARAMETERS

Figure 3. Dimensional Configuration CLIWP Cooling Only 3 & 5 RT Standard Size.

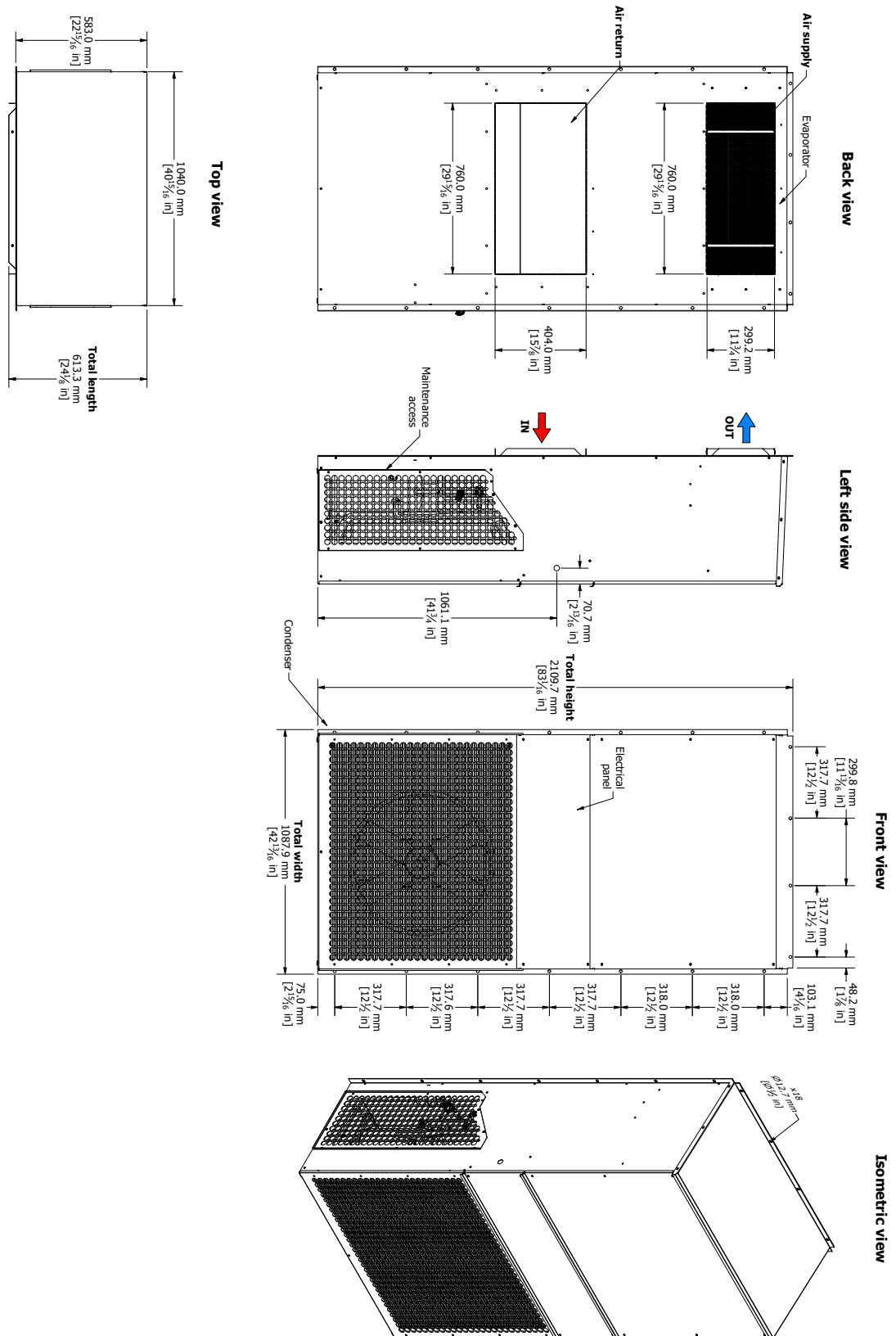
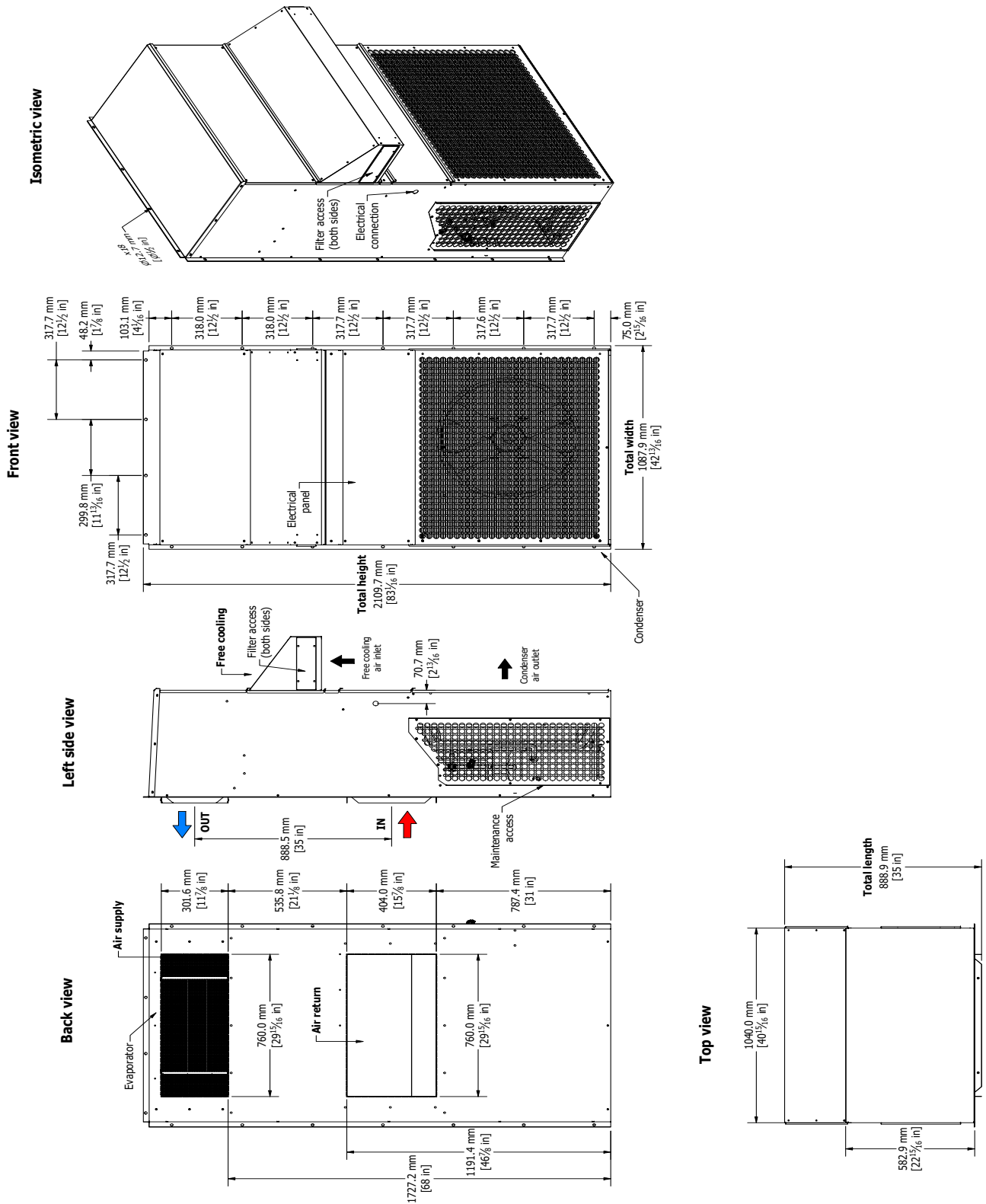
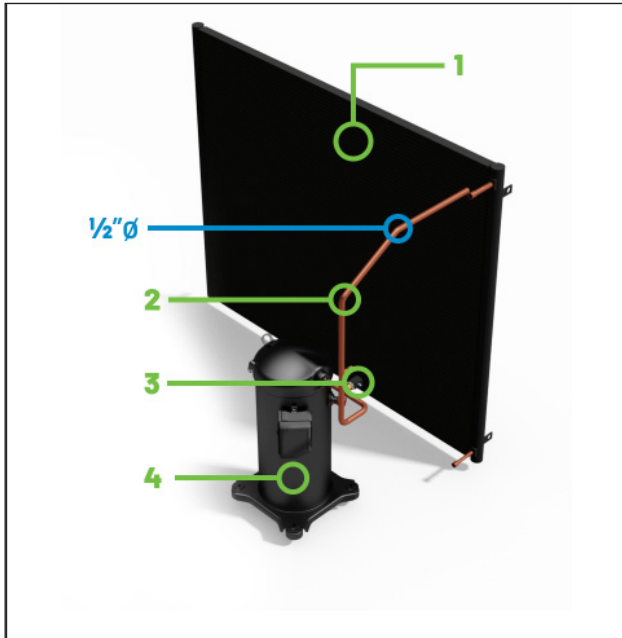


Figure 4. Configuración Dimensional CLIWP Free Cooling 5 RT

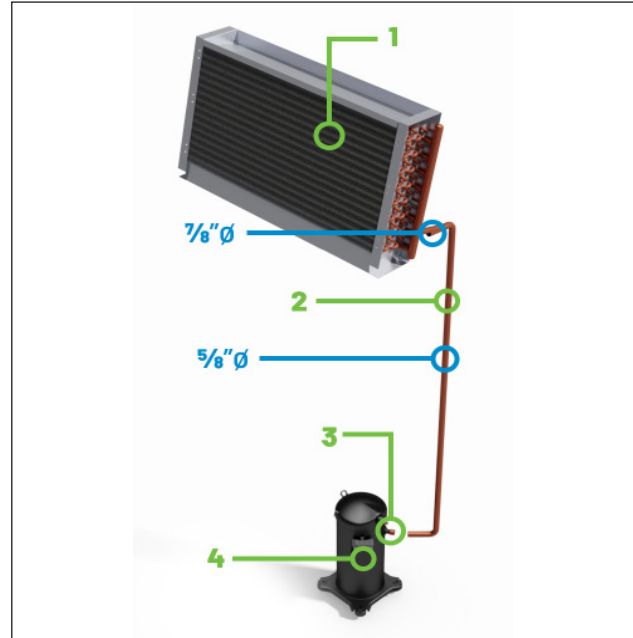


SCHEMATICS



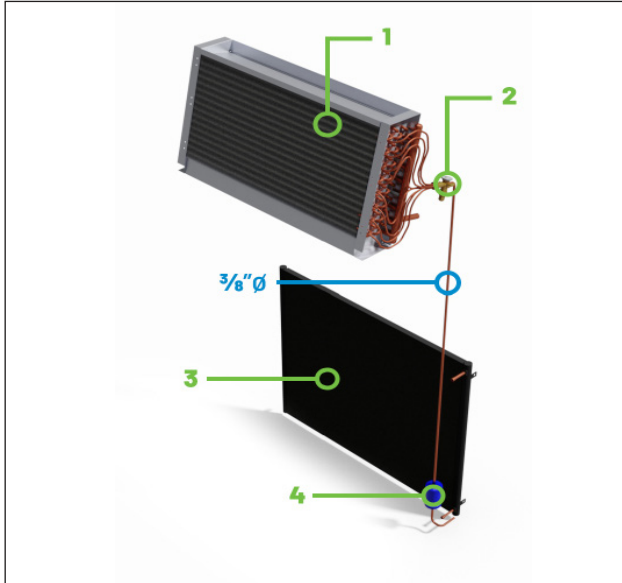
Discharge line

1. Condenser
2. Suction line
3. High pressure switch
4. Compressor



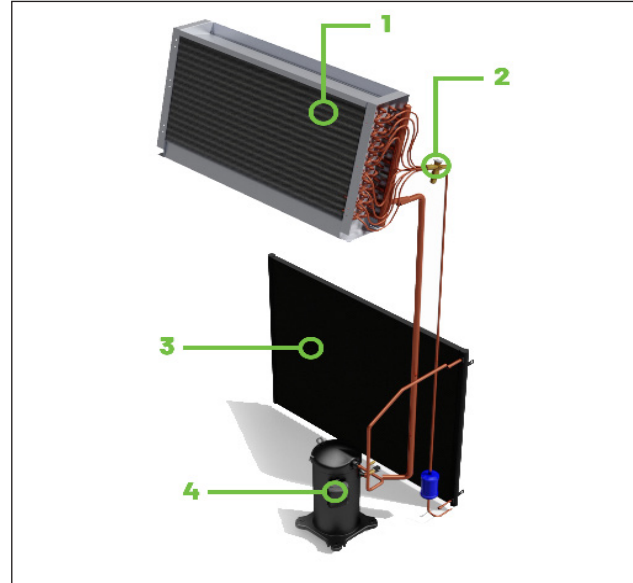
Suction line

1. Evaporator
2. Suction line
3. Digital modulation
4. Compressor



Liquid Line

1. Evaporator
2. Thermostatic expansion valve
3. Condenser
4. Evaporator



Refrigeration cycle

1. Evaporator
2. Thermostatic expansion valve
3. Condenser
4. Compressor

⚠ WARNING ⚠

Electric shock danger. Improper handling of this equipment can cause personal injury or equipment damage. This equipment must be properly grounded. Control panel connections and maintenance should be performed only by personnel knowledgeable in the operation of the equipment being controlled. Disconnect electrical power before servicing equipment. Be sure to install a earth leakage breaker. Failure to install a earth leakage breaker may result in electric shock or fire.

⚠ WARNING ⚠

When installing the earth leakage protector make sure that it is compatible with the inverter (resistant to high frequency electrical noise) to avoid unnecessary opening of the earth leakage protector.

Figure 5. Diagram only cold 3RT 220V

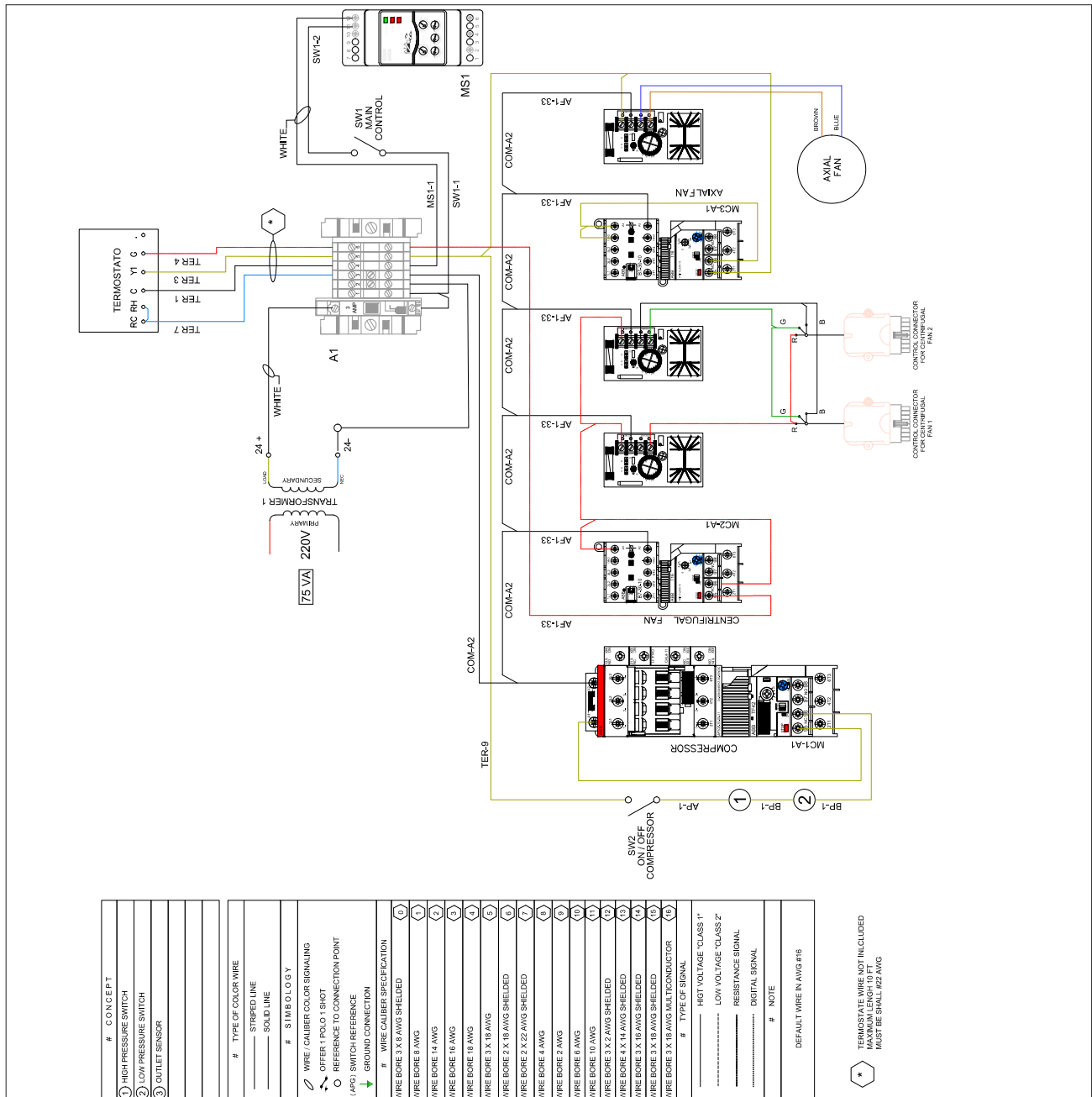
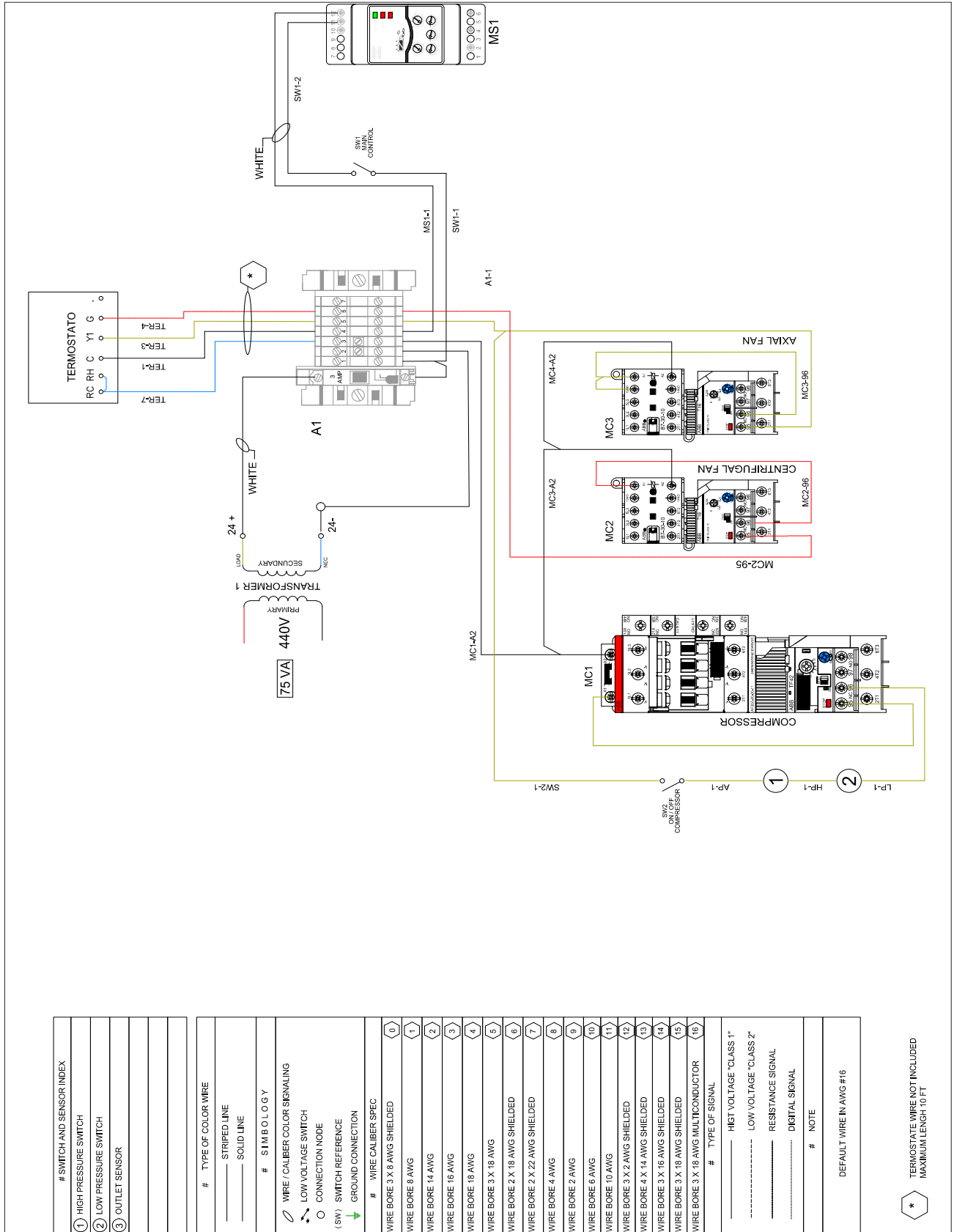
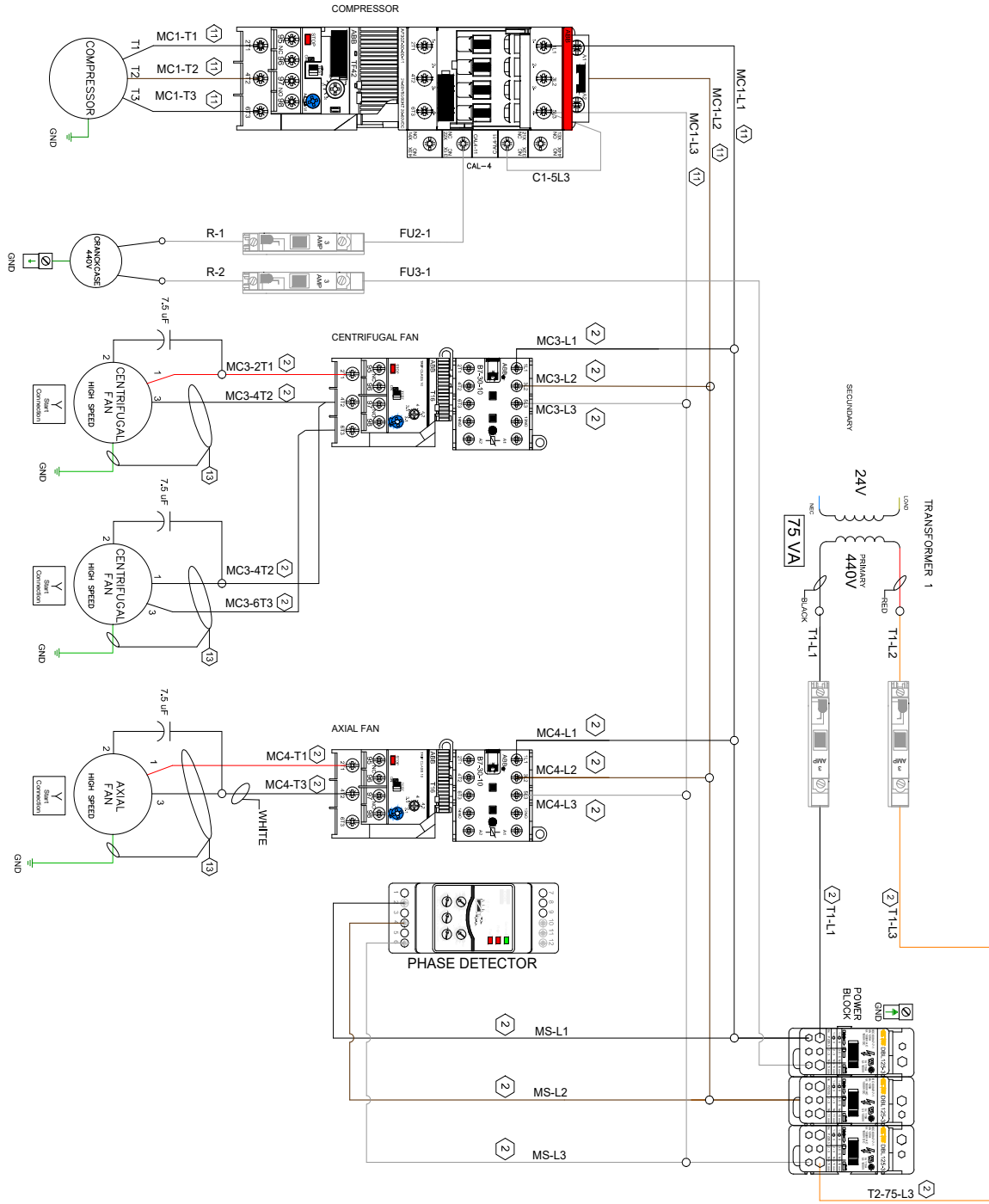


Figure 6. Diagram only cold 3RT 440V



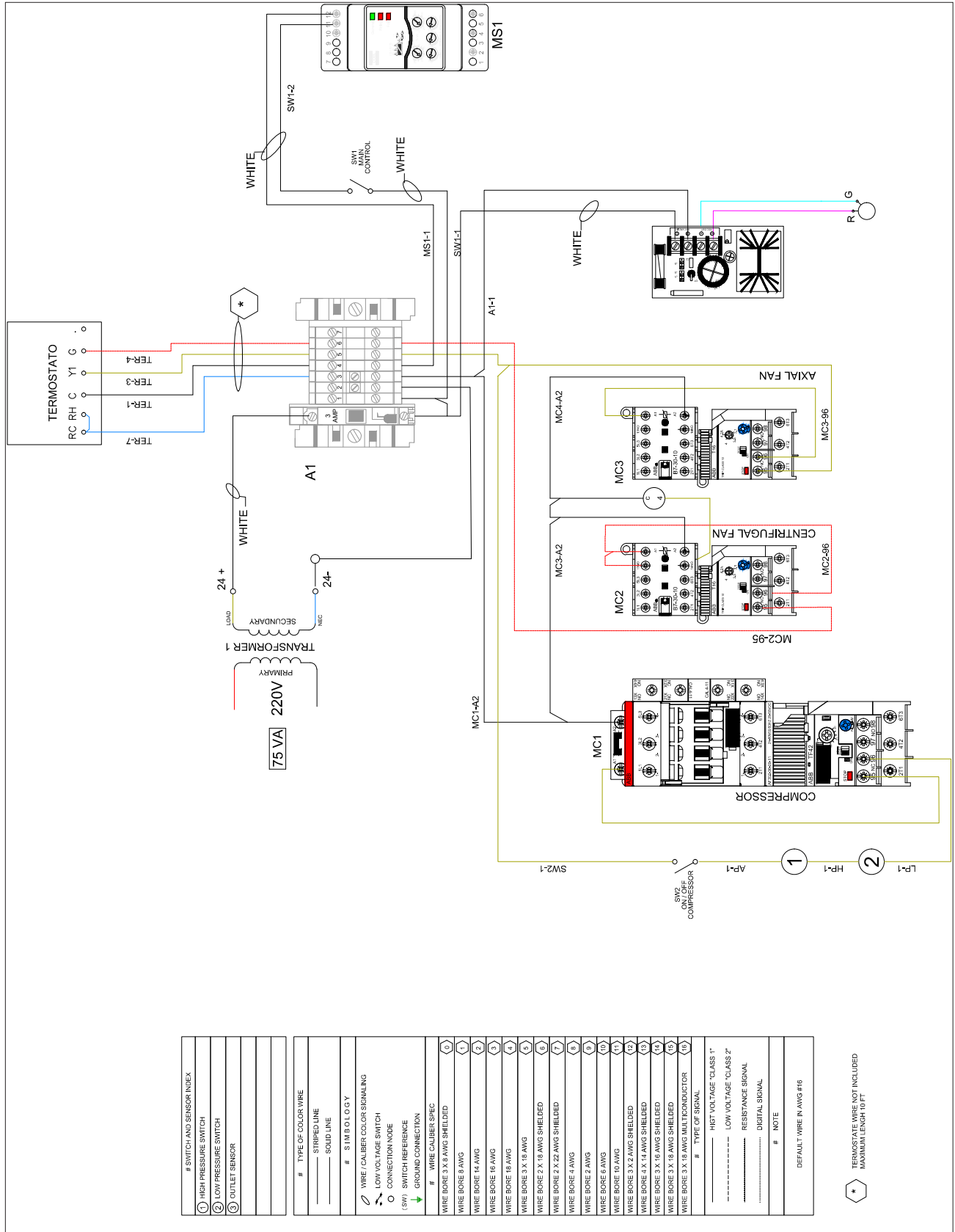
ELECTRICAL INFORMATION



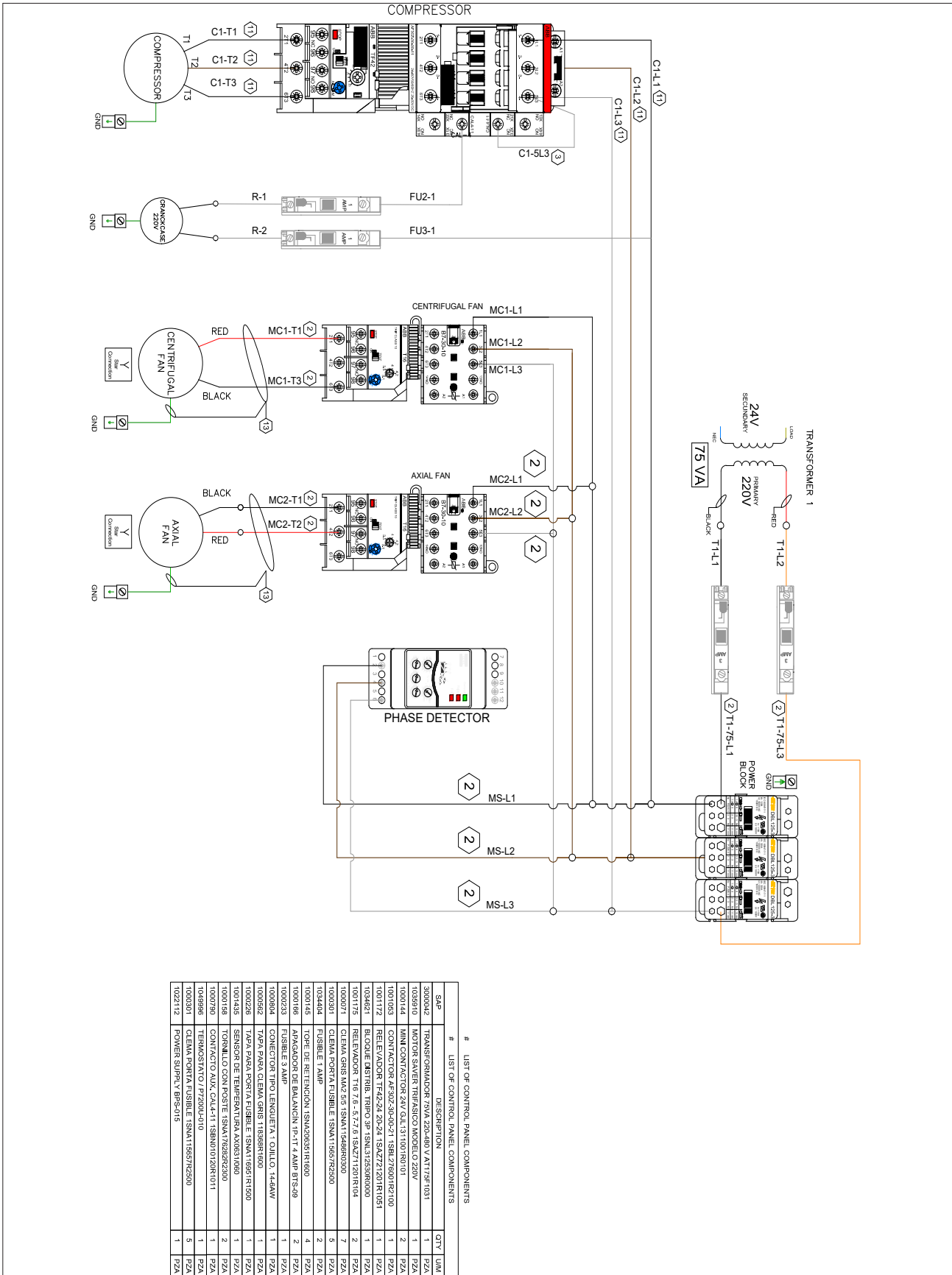
* LIST OF CONTROL PANEL COMPONENTS

CODE	DESCRIPTION	QTY	UNIT
T2-75	TRANSFORMER (24V/440V)	1	PSA
T2-75-L1	NO LOAD SWITCH (REAR) IN CASE OF AUTO STOP	1	PSA
T2-75-L2	NO LOAD SWITCH (FRONT) IN CASE OF AUTO STOP	1	PSA
T2-75-L3	NO LOAD SWITCH (TOP) IN CASE OF AUTO STOP	1	PSA
T2-75-L4	NO LOAD SWITCH (BOTTOM) IN CASE OF AUTO STOP	1	PSA
T2-75-L5	NO LOAD SWITCH (LEFT) IN CASE OF AUTO STOP	1	PSA
T2-75-L6	NO LOAD SWITCH (RIGHT) IN CASE OF AUTO STOP	1	PSA
T2-75-L7	NO LOAD SWITCH (CENTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L8	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L9	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L10	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L11	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L12	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L13	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L14	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L15	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L16	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L17	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L18	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L19	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L20	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L21	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L22	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L23	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L24	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L25	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L26	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L27	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L28	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L29	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L30	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L31	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L32	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L33	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L34	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L35	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L36	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L37	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L38	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L39	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L40	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L41	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L42	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L43	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L44	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L45	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA
T2-75-L46	NO LOAD SWITCH (UPPER) IN CASE OF AUTO STOP	1	PSA
T2-75-L47	NO LOAD SWITCH (LOWER) IN CASE OF AUTO STOP	1	PSA
T2-75-L48	NO LOAD SWITCH (INNER) IN CASE OF AUTO STOP	1	PSA
T2-75-L49	NO LOAD SWITCH (OUTER) IN CASE OF AUTO STOP	1	PSA
T2-75-L50	NO LOAD SWITCH (MIDDLE) IN CASE OF AUTO STOP	1	PSA

Figure 7. Diagram only cold 5RT 220V



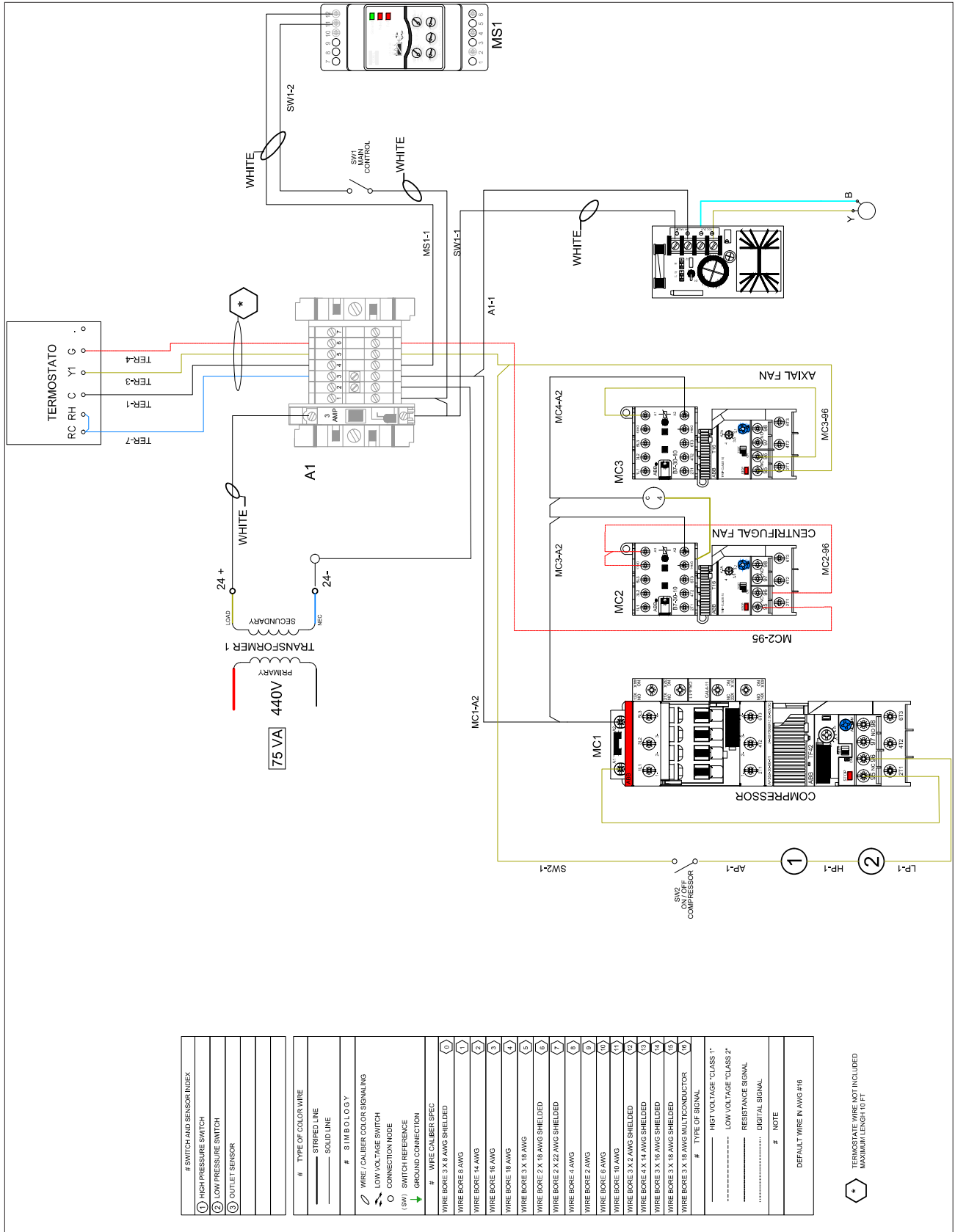
ELECTRICAL INFORMATION



LIST OF CONTROL PANEL COMPONENTS

SAP	#	DESCRIPTION	QTY	UM
300042	1	TRANSFORMADOR 75VA 220-240 V A TI 75/1031	1	PZA
1035910	1	MOTOR SAVER TRIFASICO MODELO 220V	1	PZA
1000144	2	MINI CONTACTOR 24V G.L.131/1001R0/01	2	PZA
1001063	1	CONTACTOR AF302-3040-21 ISBL278001R2100	1	PZA
1001172	1	RELEVADOR TE42-24-20-24 ISAZ272120TR1051	1	PZA
1034621	1	RELEVADOR TR6 7.5-5.72/6 ISAZ27120TR1014	1	PZA
1000175	2	RELEVADOR TR6 7.5-5.72/6 ISAZ27120TR1014	2	PZA
1000071	7	CLEMA PORTA FUSIBLE ISNA115697R2300	7	PZA
1000301	5	CLEMA PORTA FUSIBLE ISNA115697R2300	5	PZA
1034414	2	FUSIBLE 1 AMP	2	PZA
1000145	4	TORNE DE RETENCION ISM4205R1R1800	4	PZA
1000146	2	APAGADOR DE BALANCON 19-A117 4 AMP RT5-09	2	PZA
1000233	1	FUSIBLE 3 AMP	1	PZA
1000084	1	CONNECTOR TIPO LENGUETA 1 CILINDRO 14AW	1	PZA
1000582	1	TERNA PARA CLEMA GRIS 113098R1000	1	PZA
1000226	1	TERNA PARA PORTA FUSIBLE ISNA116951R1500	1	PZA
1001145	1	SENSOR DE TEMPERATURA AX08310690	1	PZA
1000186	2	TERMINAL CON POSTE ISNA17525R23200	2	PZA
1000790	1	CONTACTO AUX CAL-L1 ISBNO10120R1011	1	PZA
1066998	1	TERMINAL DO 27200L-4/10	1	PZA
1063301	5	CLEMA PORTA FUSIBLE ISNA115697R2300	5	PZA
1022112	1	POWER SUPPLY BR5-019	1	PZA

Figure 8. Diagram only cold 5RT 440V



ELECTRICAL INFORMATION

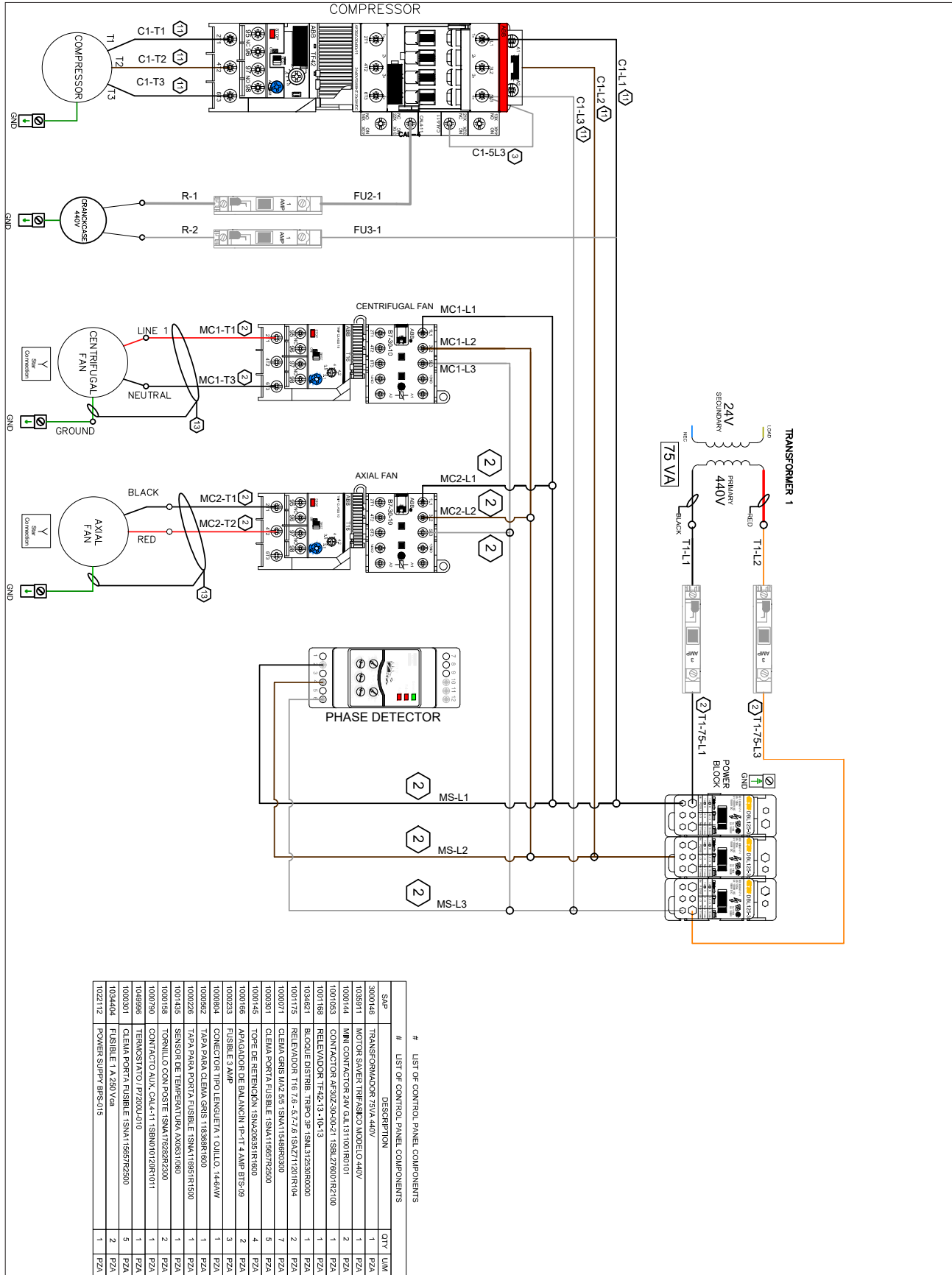
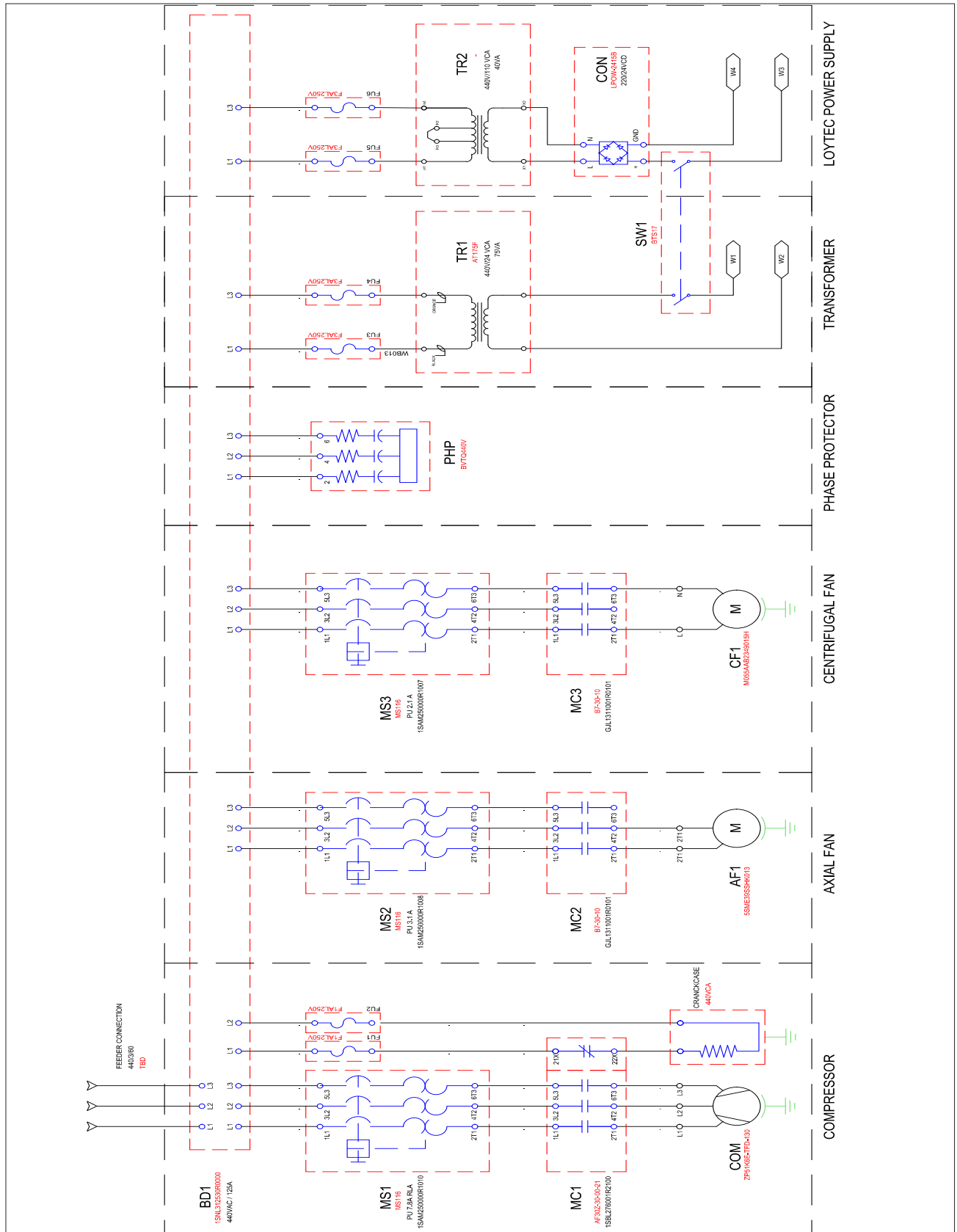


Figure 9. Diagram only cold 5T RT 440V Free Cooling



ELECTRICAL INFORMATION

