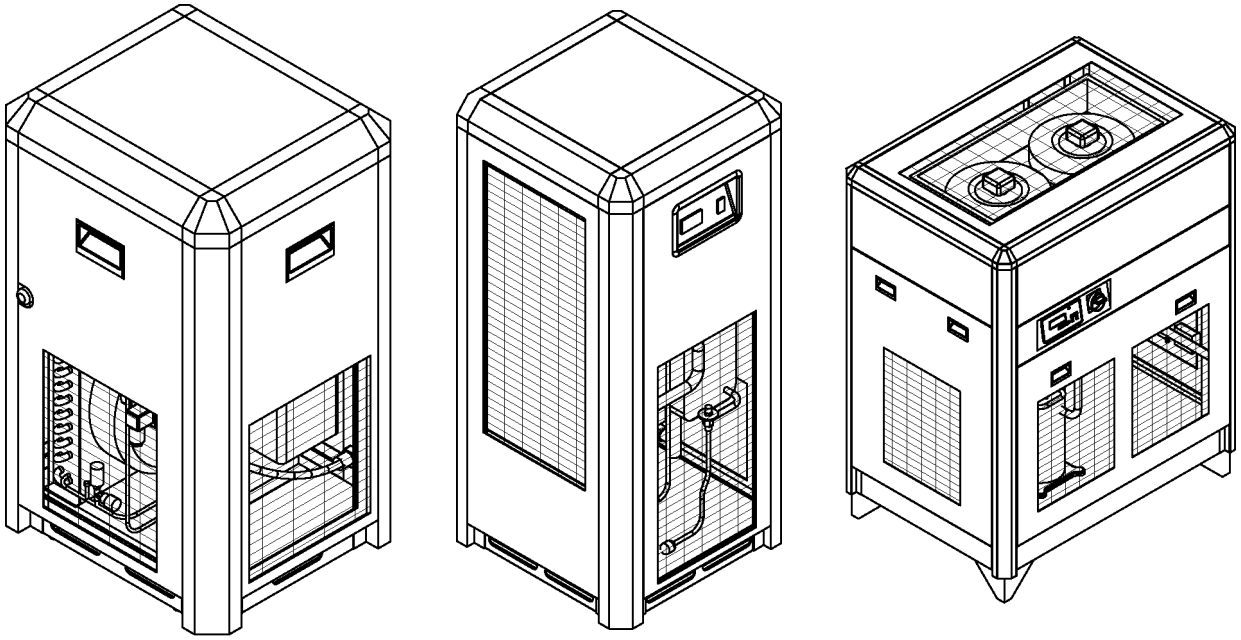
SULLAIR®

Always air. Always there.

USER/SERVICE MANUAL

REFRIGERATED DRYERS
RH—HIGH TEMPERATURE
RN—NON-CYCLING
RD—DIGITAL CYCLING



PART NUMBER:
02250195-401 R00

KEEP FOR FUTURE REFERENCE

The information in this manual is current as of its publication date, and applies to compressor **serial number**:

(RH) 0611SA0198

(RN) 4810SA0001

(RD) 0711SA0263

and all subsequent serial numbers.

WARRANTY NOTICE

Failure to follow the instructions and procedures in this manual or, misuse of this equipment will VOID its warranty!

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AIR CARE SEMINAR TRAINING

Sullair Air Care Seminars are courses that provide hands-on instruction for the proper operation, maintenance, and servicing of Sullair products. Individual seminars on Industrial compressors and compressor electrical systems are offered at regular intervals throughout the year at Sullair's corporate headquarters training facility located at Michigan City, Indiana.

Instruction includes training on the function and installation of Sullair service parts, troubleshooting common faults and malfunctions, and actual equipment operation. These seminars are recommended for maintenance, contractor maintenance, and service personnel.

For detailed course outlines, schedule, and cost information contact:

SULLAIR TRAINING DEPARTMENT

1-888-SULLAIR or
219-879-5451 (ext. 5623)
www.sullair.com
training@sullair.com

- Or Write -

Sullair Corporation
3700 E. Michigan Blvd.
Michigan City, IN 46360
Attn: Service Training Department.

SULLAIR®

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SECTION 4—E-680 CONTROLLER FOR REFRIGERANT DRYERS

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Section 1
SAFETY

The dryer has been designed and constructed in accordance with the generally recognized rules pertaining to refrigeration technology as well as industrial safety and accident prevention regulations.

The equipment design, development, production, assembly and customer service fall under the **Sullair** quality control system.

The dryer is state of the art. There are, however, hazards to the body, equipment and life accompanying this type of product if it is not operated for the purpose which it is intended by trained and specialized personnel.

The equipment supplied is intended exclusively for drying compressed air. Any other use or one exceeding this is considered unauthorized. **Sullair** cannot be held liable for damages resulting from incorrect or unauthorized use of the equipment. Any such risk is carried solely by the end user.

Authorized use means complete compliance with all of the conditions of operation, servicing and maintenance prescribed by **Sullair** in this Instruction and Operation Manual.

The dryer is only to be operated, serviced and repaired by trained personnel who are familiar with this type of equipment and understand fully its operation and any potential dangers.

1.1 SAFETY INFORMATION

The end user and operator must observe all National, State, and Local industrial and safety regulations dealing with the operation of pressure vessels under compressed air service. Also all “end user” safety rules for the same type of service must be adhered to. The following points list some of the important factors dealing with this type of equipment.

- Never make any constructional changes to the equipment
- Use only original spare parts and accessories
- Never weld on any pressure vessel or modify it in any way
- All maintenance on “pressure parts” must be carried out with the equipment shutdown, depressurized and locked out. Any in plant procedures or work permits regarding pressure vessels are to be adhered to.
- Do not operate the equipment with the control panel door open, the electrical system energized and live parts exposed.
- Disconnect the dryer from the electrical supply when any electrical work is performed. Lock out the safety disconnect and obtain any required work permits.

NOTES

Section 2
RH SERIES REFRIGERATED HIGH TEMPERATURE COMPRESSED AIR DRYER

RH-0015-115-60-A	RH-0025-115-60-A	RH-0035-115-60-A	RH-0075-115-60-A	RH-0100-115-60-A

2.1 SPECIFICATIONS

Pay attention to the Minimum and Maximum operating conditions before installing and operating the dryer.

Normal Operating Pressure	**175 PSIG**
Normal Operating Temperature	**200 Deg. F**
Normal Ambient Temperature	**100 Deg. F**
Maximum Operating Pressure	**230 PSIG**
Minimum Operating Pressure	**80 PSIG**
Maximum Ambient Temperature	**120 Deg. F**
Minimum Ambient Temperature	**40 Deg. F**
Maximum Operating Temperature	**240 Deg. F**

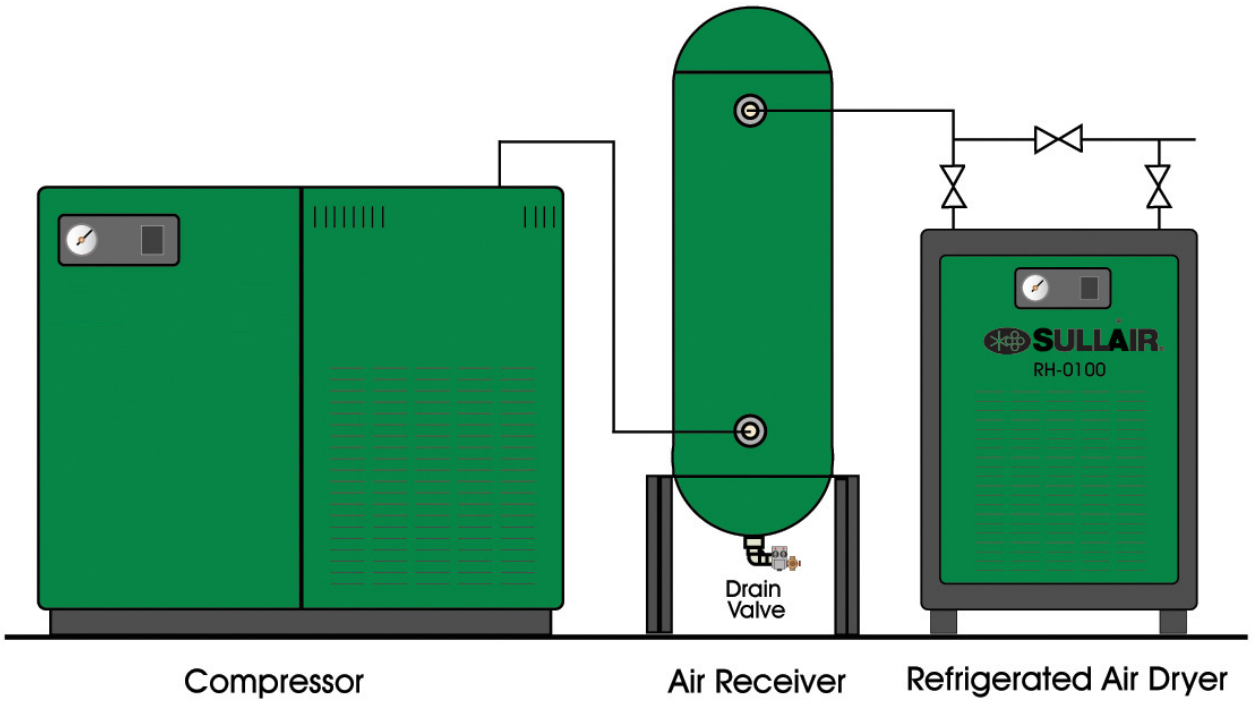
If your application does not match the above criteria, contact your Sullair distributor and they will be able to provide the right dryer for your application.

2.2 INTRODUCTION

The RH series of Non-cycling Refrigerated Air Dryers are specially designed for compressed air systems that do not use an after cooler. The hot compressed air from the compressor enters the downstream receiver tank where condensed moisture is removed with an automatic drain. The hot saturated air is then passed directly into the RH series of dryers.

RH series of non-cycling refrigerant compressed air dryers have been designed to remove water vapor from industrial compressed air that is free of reactive contaminants like ammonia, gaseous acid, dust, rust or any other chemical or mineral products capable of reacting or clogging the heat exchanger. The dryers are designed and recommended for indoor applications.

2.3 TYPICAL INSTALLATION



The RH series of Dryers operate without the need for any after-coolers.

2.4 SAFETY REGULATIONS

2.4.1 IMPORTANT SAFETY NOTES:

1. When operating the air dryer the operator must employ safe working methods and observe all recommended/local safety instructions and applicable regulations.
2. Prior to installation, the dryer and the compressed air system must be depressurized and disconnected from the electrical main supply.
3. The user is responsible for safe operating conditions. Parts and accessories must be replaced if inspection shows that safe operation cannot be assured.
4. Installation, operation, maintenance and repair are to be performed only by authorized, trained and certified technicians.
5. DO NOT exceed the minimum and maximum values of all the parameters mentioned on the Main data label, Electrical data label and accompanying specification sheets if any.
6. All safety precautions mentioned in this manual must be adhered to at all times and by all personnel working on the dryer

2.4.2 TRANSPORTATION

1. Use care and caution when transporting the dryer. Avoid sudden jerks, tilting, dropping and other physical abuse.
2. A forklift can be used to transport the dryer provided the forks are long enough to support the full width or length. Caution must be used throughout the move.

2.4.3 POSITIONING

1. The dryer must be installed horizontally. A minimum of at least 1 ½ feet clearance around the dryer is necessary to allow free air circulation and easy access for servicing.
2. The ambient temperature in the room should not exceed 120° F and should not be below 40° F, taking into account the heat radiated by the dryer. (About 18 watts for each SCFM under ISO 7183-5 condition or 40 watt for each liter/sec under ISO 7183-A condition).

2.4.4 INSTALLATION

In addition to the general mechanical construction procedures and local regulations, the following instructions need to be emphasized:

1. Only authorized, trained and skilled engineers should install the compressed air dryer.
2. Safety devices, protecting covers or insulations in the dryer are never to be removed or modified. Each pressure vessel or accessory installed outside the dryer with compressed air (Any pressure above atmospheric pressure) must be fitted with individual pressure relief safety valves.
3. Optional air by-pass valve: Install one (1) air by-pass valve and two (2) switch off valves in the line before the dryer to allow easy maintenance and for possible isolation of the dryer without interrupting the compressed air flow.
4. In Line Filter: install one compressed air filter in line before the dryer to protect it against dirt and possible clogging of heat exchanger. Contact your Sullair representative/dealer for suitable filter.

2.4.5 STEPS TO UNDERTAKE BEFORE OPERATING

1. Read this manual completely.
2. Review all safety precautions.
3. Use recommended pipe sizes as per specifications.
4. Never operate the dryer at pressures above the maximum specified on the dryer label (check the technical specifications).

2.4.6 Maintenance by an Engineer/ Technician

1. Maintenance and repairs should only be performed when the air dryer is shut down and depressurized and when the main power switch is turned OFF.
2. Use only the appropriate tools for maintenance and repair.
3. Before dismantling any part that has been pressurized, disconnect the pressure sources and depressurize the system completely. Shut off all valves and isolate the dryer.
4. Proceed carefully during maintenance and repair. Prevent dirt from entering by covering parts and orifices with a clean cloth, paper or tape.
5. Receiver tanks should never be welded or modified in any way.
6. Never leave tools, loose parts or cleaning rags in or on the air dryer.
7. Before connecting the dryer back online, check the setting of the control and safety devices as well as the pressure and the temperature of the compressed air circuit.

2.4.7 Maintenance by the user

1. Keep the dryer clean.
2. In case of more than 4 pounds of refrigerant, the dryer should be regularly checked to be leak free by qualified refrigerant engineer. Refer to section “Environmental protection” of this manual.
3. **Every six months**— check the correct operation of the condenser drain trap. Replace timer or solenoid valve in case of clogging or malfunctioning.
4. **Every six months**—check and clean the drain strainer or the electronic sensor by undoing the access screw and rinsing the filter with tap water to remove the trapped dirt from the inside.
5. Clean the air condenser with a brush or compressed air as soon as it’s dirty or clogged: Take care not to bend the fins of the condenser heat exchanger.
6. Check the troubleshooting list in case of maintenance issues.
7. Check operating pressures, temperatures and time settings after maintenance. If operating and safety devices function properly, the air dryer may be used.

2.4.8 Environmental Protection

1. US/EU laws protect the environment against refrigerant being released into the atmosphere.
2. An annual leak control test at less than 5.0 gr/year should be performed by a qualified engineer if the refrigerant dryer contains more than 4.4 lbs/ 2 kg of refrigerant. This control test has to be done twice a year if the dryer contains more than 66 lbs/30 kg.
3. Prior to dryer disposal, the refrigerant must be properly recovered by a qualified engineer.

2.4.9 Refrigerant circuit:

The refrigerant circuit can be divided into 3 parts:

1. Low pressure section with an evaporator (heat exchanger)
2. High pressure section including: Condenser, liquid receiver, (if installed) and the filter dryer.
3. Control circuit including: Compressor, expansion valve, by-pass valve (if installed), fan pressure switch, safety high pressure switch.

2.4.10 The Refrigerant circuit operates as follows:

1. The compressor compresses gaseous refrigerant.
2. The hot refrigerant gas condenses in the condenser. Being liquefied, it is stored in the liquid receiver (if existing).
3. The liquid is taken out of the storage receiver vessel and injected into the evaporator (heat exchanger) by an expansion valve. This expansion valve is protected by a filter dryer, that retains particles and humidity that could be in the circuit.
4. The injected liquid fills in the refrigerant section of the Air-Refrigerant heat exchanger and evaporates due to the heat from the incoming air. The gaseous refrigerant is sucked in the compressor and the cycle carries on.
5. In order to keep the evaporation pressure steady, and thus the refrigerant temperature in the heat exchanger, a by-pass valve injects hot gaseous refrigerant into the circuit. On certain dryers, an automatic pressure expansion valve regulates this process.

2.4.11 Compressed air circuit

1. The hot, saturated, compressed air from the compressor is forced into the air-cooled after-cooler where it is pre-cooled to approximately ambient temperature.
2. This pre-cooled compressed air enters the high-efficiency moisture separator where condensed moisture is stripped from the air stream and purged out via the electronic timer drain.
3. The air then enters the first stage of the heat exchanger (air to air pre-cooler/re-heater) where the outgoing chilled air cools the incoming hot air. This energy saving heat exchanger provides significant advantages, such as a reduction of the heat load imposed on the refrigerant compressor and condenser, re-heating the outlet air, and preventing condensation of moisture in the plant air distribution lines.
4. From the air-to-air heat exchanger, air enters the air-to-refrigerant heat exchanger where further cooling occurs and the air temperature is reduced to the desired pressure dew point (PDP). As the air is cooled, the moisture condenses into a liquid and is then separated in the integrated high efficiency separator and discharged through the condensate drain.
5. The cooled air then re-enters the air-to-air heat exchanger, in a direction opposite to the flow of the warm, saturated incoming air and pre-cools the hot air. During this process the outgoing air is reheated thereby minimizing the chances of moisture condensation in the compressed air distribution lines.

2.5 REFRIGERANT DRYER FEATURES

2.5.1 COMPRESSOR TYPE

The High Temperature Inlet Refrigerated compressed air dryers use the sealed Hermetic type of compressors and require no periodic servicing.

2.5.2 CONDENSER

The air-cooled condenser is equipped with helicoidally fans controlled by a pressure switch the controls the fan cycling in order to maintain the refrigerant high pressure at the correct level.

Air cooled aftercooler is integrated to the condenser. The fan motor of the air cooled aftercooler is separate and it only starts to function when the inlet air temperature is equal or above 95°F. This is controlled by a thermostatic switch.

2.5.3 REFRIGERANT CIRCUIT PROTECTION

OVERLOAD PROTECTOR:

The single phase compressors are equipped with an overload protector which is a thermal sensitive switch controlling the temperature of the compressor and overheating. In case of malfunction, the protector trips out. However, it switches on again automatically as soon as the compressor has cooled down.

HIGH PRESSURE SECURITY SWITCH:

Refrigerant circuits are protected against excessive pressure by a security switch that stops the compressor in case of too high a pressure. In case this safety switch has tripped, it has to be manually reset before switching on the dryer.

2.5.4 FILTER DRYER

In order to keep the refrigerant circuit void of all moisture, a filter drier is used in line. This filter also traps any solid particles that may have migrated in the circuit during operation. To avoid problems, the refrigerant circuit must be vacuumed before filling it with the recommended refrigerant.

2.5.5 REFRIGERANT CIRCUIT REGULATION

1. The evaporating pressure is kept constant by controlled injection of hot gas from the high-pressure side into the low-pressure section of the circuit through a by-pass valve. This constant pressure corresponds to a stable evaporating temperature adjusted as close to 32°F as possible.
2. The liquid refrigerant is injected into the evaporator through a thermostatic expansion valve keeping the superheat of the refrigerant constant at the outlet of the evaporator.
3. The mix of hot gas from by-pass valve and cold gas from evaporator is called superheat.

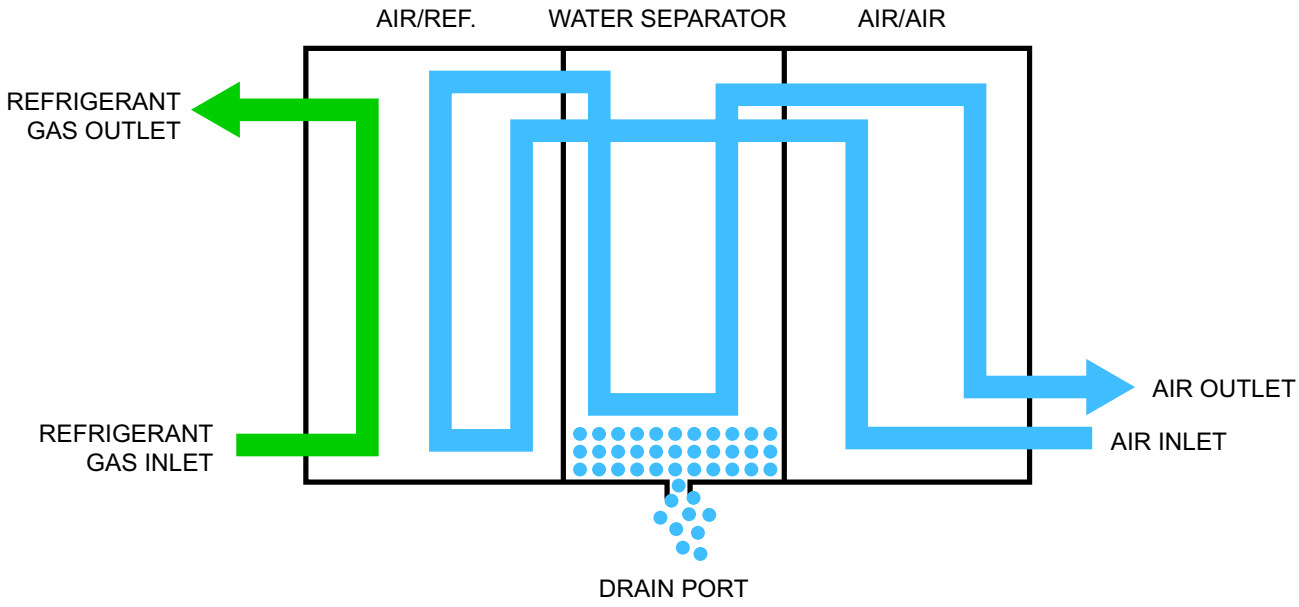
2.5.6 CONDENSATE DRAIN—TRAP ASSEMBLY

Disassembling the drain is easy because it can be isolated from the air circuit under pressure with a ball valve. The drain has to be isolated before being dismantled.

2.5.7 COMPACT 3-IN-1 HEAT EXCHANGER

The dryers are equipped with compact heat exchangers. This compact 3-in-1 setup has been specially designed to dry compressed air and is made of the following components:

1. An air-to-air heat exchanger which pre-cools the incoming hot air with the outgoing cold air, thereby saving a significant load on the compressor.
2. An Evaporator which is an air-to- refrigerant heat exchanger that cools the pre-cooled compressed air.
3. An integrated separator that removes all condensates and requires no additional maintenance.



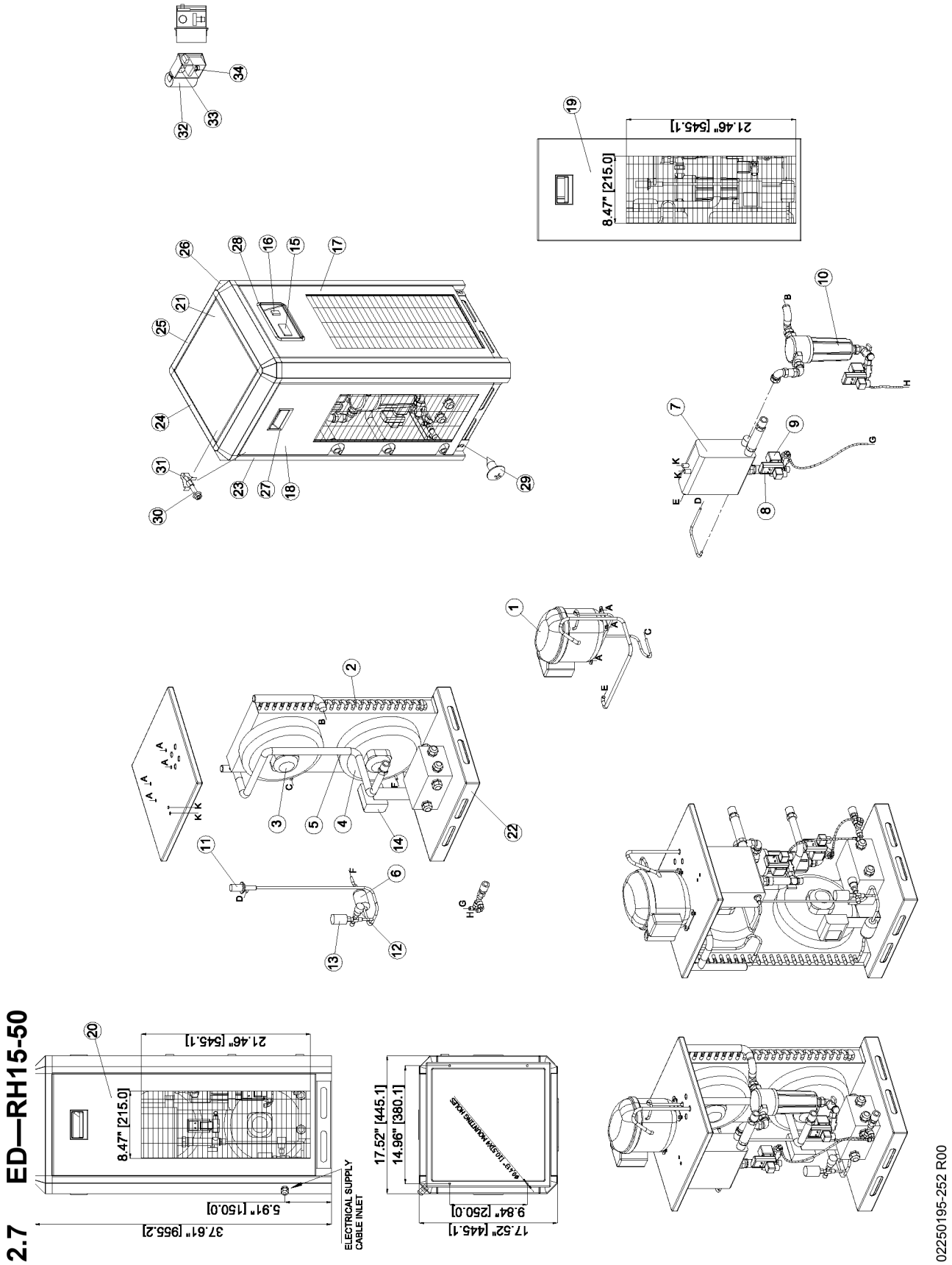
2.6 DRYER OPERATION PROCEDURE

1. Starting of a Single phase dryer for the first time
   - **a.** Make sure all air connections are intact and have no leaks
   - **b.** Double check wiring connections
   - **c.** Set the rocker switch to “I”
2. Daily starting and shut-down
   - **a.** Push on the green button to start the dryer.
   - **b.** The start light will indicate that the dryer is running.
3. To stop the dryer, first stop the airflow (either shut-down the air compressor or close the inlet/outlet or by-pass valve). When the air flow is stopped, push the green button to the stop position.

NOTE

1. Avoid turning OFF the dryer when compressed air is still flowing through it.

2. To switch the already preheated dryer on again, simply push the green start button.

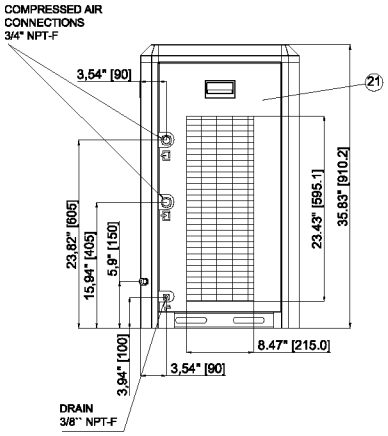

2.7 ED—RH15-50
21.46" [545.1]
8.47" [215.0]
5.91" [150.0]
37.61" [955.2]
ELECTRICAL SUPPLY CABLE INLET
17.52" [445.1]
14.96" [380.1]
9.84" [250.0]
17.52" [445.1]
MAKE THIS SIDE MOUNTING HOLES
02250195-252 R00

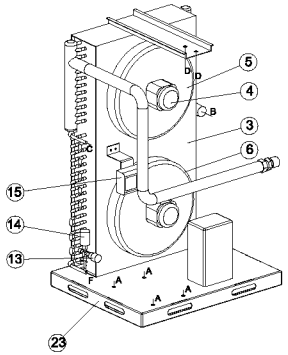
SULLAIR

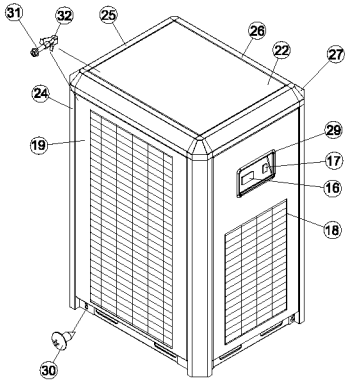
2.7 ED—RH15-50

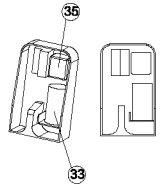
KEY	PART NUMBER	DESCRIPTION	QTY
1	SEE REF. TABLE	COMPRESSOR	1
2	M-CON-0050H	CONDENSOR	1
3	M-FMT-0150-115-1-60-A	FAN MOTOR	2
4	M-FAN-0150	FAN BLADE	2
5	M-GRL-0150	FAN GRILL	2
6	M-DRI-0200	DRIER DEHYDRATOR	1
7	M-EXC-0035	HEAT EXCHANGER	1
8	TMR-3000	TIMER	2
9	M-SLV-0150-115	SOLENOID VALVE	1
10	M-WSP-050	WATER SEPARATOR	1
11	M-EXV-0075	EXPANSION VALVE	1
12	M-HPS-0200	HIGH PRESSURE SWITCH	1
13	M-FNS-0200	FAN ON/OFF SWITCH	1
14	M-THS-0325	THERMOSTATIC SWITCH	1
15	M-THG-0325	THERMOSTATIC GUAGE	1
16	M-ONB-0200	ON/OFF BUTTON	1
17	M-CFR-0050H	CABINET FRONT	1
18	M-CLE-0050H	CABINET SIDE-LEFT	1
19	M-CRI-0050H	CABINET SIDE-RIGHT	1
20	M-CRE-0050H	CABINET REAR	1
21	M-CTO-0050H	CABINET TOP	1
22	M-CBA-0050H	CABINET BASE	1
23	M-CBL-0050H	CABINET LEG	4
24	M-HP1-0050H	CABINETHORIZONTAL PROFILE 1	2
25	M-HP2-0050H	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	3
28	M-PDC-0200	PLASTIC DISPLAY COVER	1
29	M-SCR-3000	SCREW TYPE 1	24
30	M-STU-3000	CABINET STUD AND NUT	12
31	M-FAS-3000	CABINET FASTENER	12
32	M-CSC-0050-115-1-60	COMPRESSOR START CAPACITOR	1
33	SEE REF. TABLE	COMPRESSOR OVERLOAD PROTECTOR	1
34	M-STR-0050-115-1-60	COMPRESSOR START RELAY	

2.8 ED—RH75-100

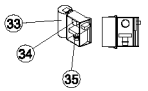




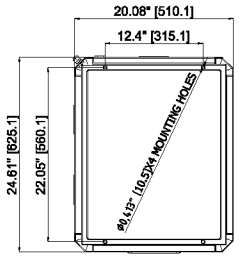


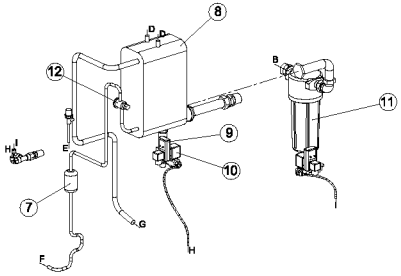


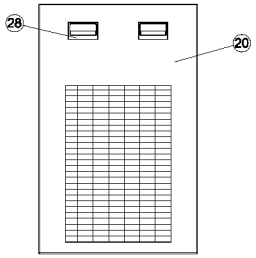
RH100 ELECTRICAL BOX ON CABINET BASE

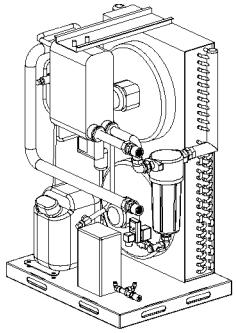


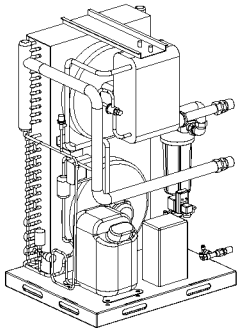
RH75 ELECTRICAL BOX ON COMPRESSOR



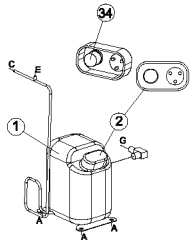








M-CMP-75-115-60-A

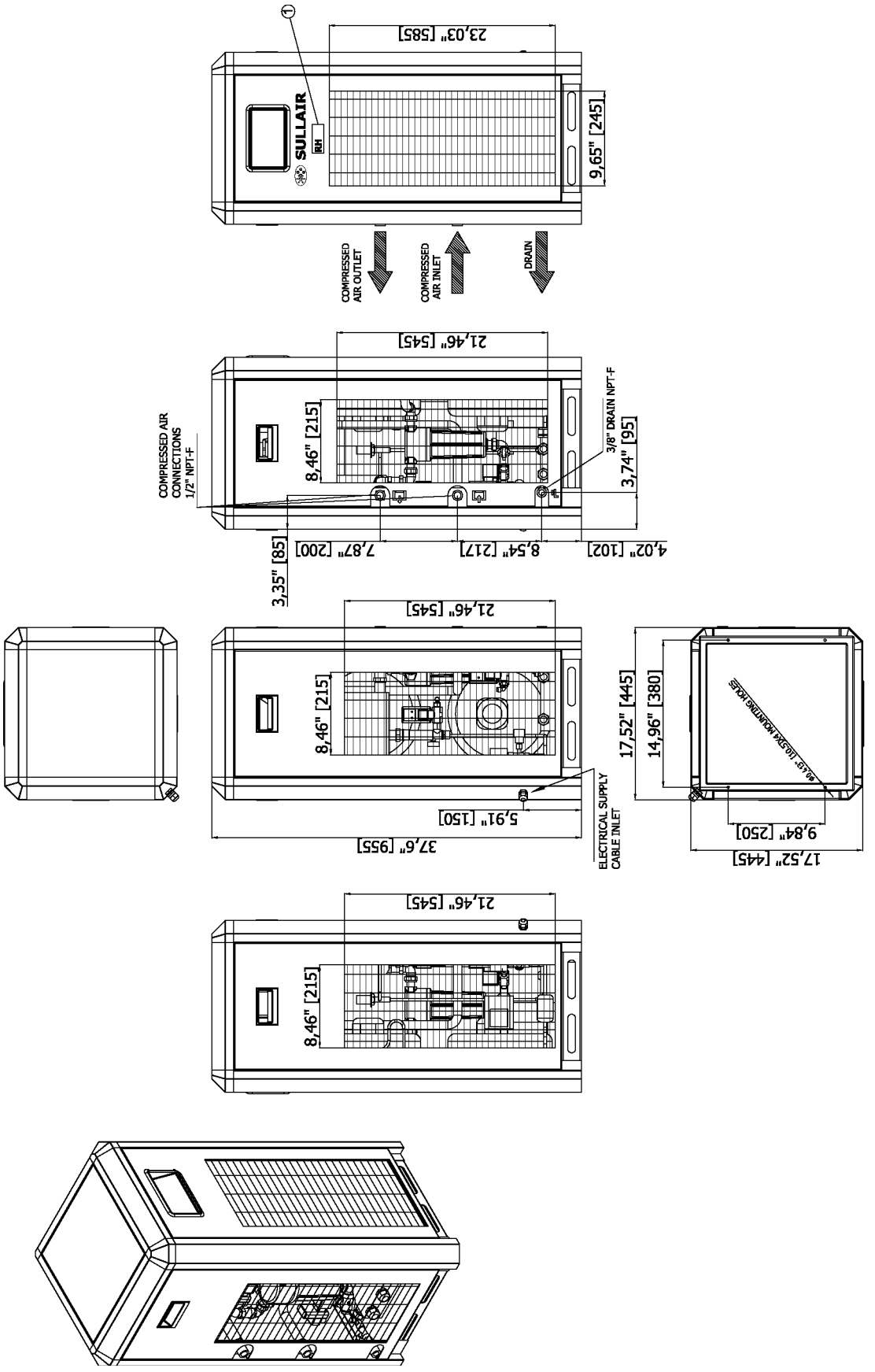


CAE4461Y/115V

2.8 ED—RH75-100

KEY	PART NUMBER	DESCRIPTION	QTY
1	SEE REF. TABLE	COMPRESSOR	1
2	M-CEB-115-1-60-A	COMPRESSOR ELECTRIC BOX	1
3	M-CON-100H	CONDENSOR	1
4	M-FMT-0150-115-1-60-A	FAN MOTOR	2
5	M-FAN-0200	FAN BLADE	2
6	M-GRL-0200	FAN GRILL	2
7	M-DRI-0200	DRIER DEHYDRATOR	1
8	SEE REF. TABLE	HEAT EXCHANGER	1
9	TMR-3000	TIMER	2
10	M-SLV-0150-115	SOLENOID VALVE	1
11	M-WSP-050	WATER SEPARATOR	1
12	M-EXV-0075	EXPANSION VALVE	1
13	M-HPS-0200	HIGH PRESSURE SWITCH	1
14	M-FNS-0200	FAN ON/OFF SWITCH	1
15	M-THS-0325	THERMOSTATIC SWITCH	1
16	M-THG-0325	THERMOSTATIC GUAGE	1
17	M-ONB-0200	ON/OFF BUTTON	1
18	M-CFR-0100H	CABINET FRONT	1
19	M-CLE-0100H	CABINET SIDE-LEFT	1
20	M-CRI-0100H	CABINET SIDE-RIGHT	1
21	M-CRE-0100H	CABINET REAR	1
22	M-CTO-0100H	CABINET TOP	1
23	M-CBA-0100H	CABINET BASE	1
24	M-CBL-0100H	CABINET LEG	4
25	M-HP1-0100H	CABINETHORIZONTAL PROFILE 1	2
26	M-HP2-0100H	CABINET HORIZONTAL PROFILE 2	2
27	M-CTC-3000	CABINET TOP CORNER	4
28	M-CPS-3000	CABINET HANDLE	3
29	M-PDC-0200	PLASTIC DISPLAY COVER	1
30	M-SCR-3000	SCREW TYPE 1	24
31	M-STU-3000	CABINET STUD AND NUT	12
32	M-FAS-3000	CABINET FASTENER	12
33	SEE REF. TABLE	COMPRESSOR START CAPACITOR	1
34	SEE REF. TABLE	COMPRESSOR OVERLOAD PROTECTOR	1
35	SEE REF. TABLE	COMPRESSOR START RELAY	

2.9 ID—RH15-50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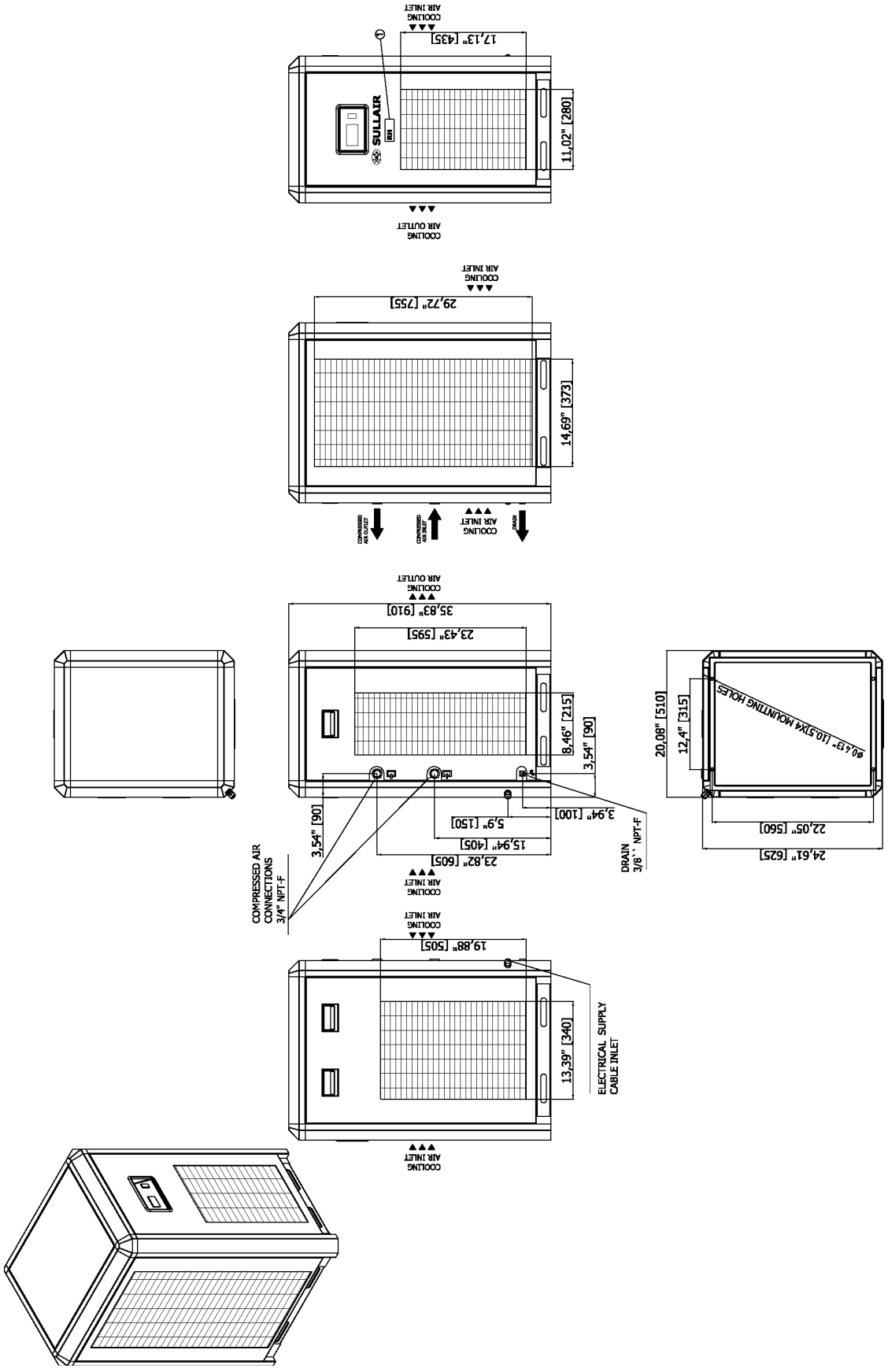
SULLAIR
RH
9,65" [245]
COMPRESSED AIR OUTLET
COMPRESSED AIR INLET
DRAIN
21,46" [545]
8,46" [215]
COMPRESSED AIR CONNECTIONS 1/2" NPT-F
3/8" DRAIN NPT-F
3,74" [95]
3,35" [85]
7,87" [200]
8,54" [217]
4,02" [102]
21,46" [545]
8,46" [215]
5,91" [150]
37,6" [955]
ELECTRICAL SUPPLY CABLE INLET
17,52" [445]
14,96" [380]
LOCKING MOUNTING HOLES
9,84" [250]
17,52" [445]
21,46" [545]
8,46" [215]

2.9 ID—RH15-50

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-795	115V/1Ph/60Hz	AIR COOLED	RH50
02250193-796	115V/1Ph/60Hz	AIR COOLED	RH35
02250193-797	115V/1Ph/60Hz	AIR COOLED	RH25
02250193-798	115V/1Ph/60Hz	AIR COOLED	RH15

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT	DRYER
17.52” * 17.52” * 37.6” [445] * [445] * [955]	20.08” * 20.08” * 44.68” [510] * [510] * [1135]	163 LB	141 LB	RH50
		161 LB	139 LB	RH35
		159 LB	137 LB	RH25
		159 LB	137 LB	RH15

2.10 ID—RH75-100



02250195-253

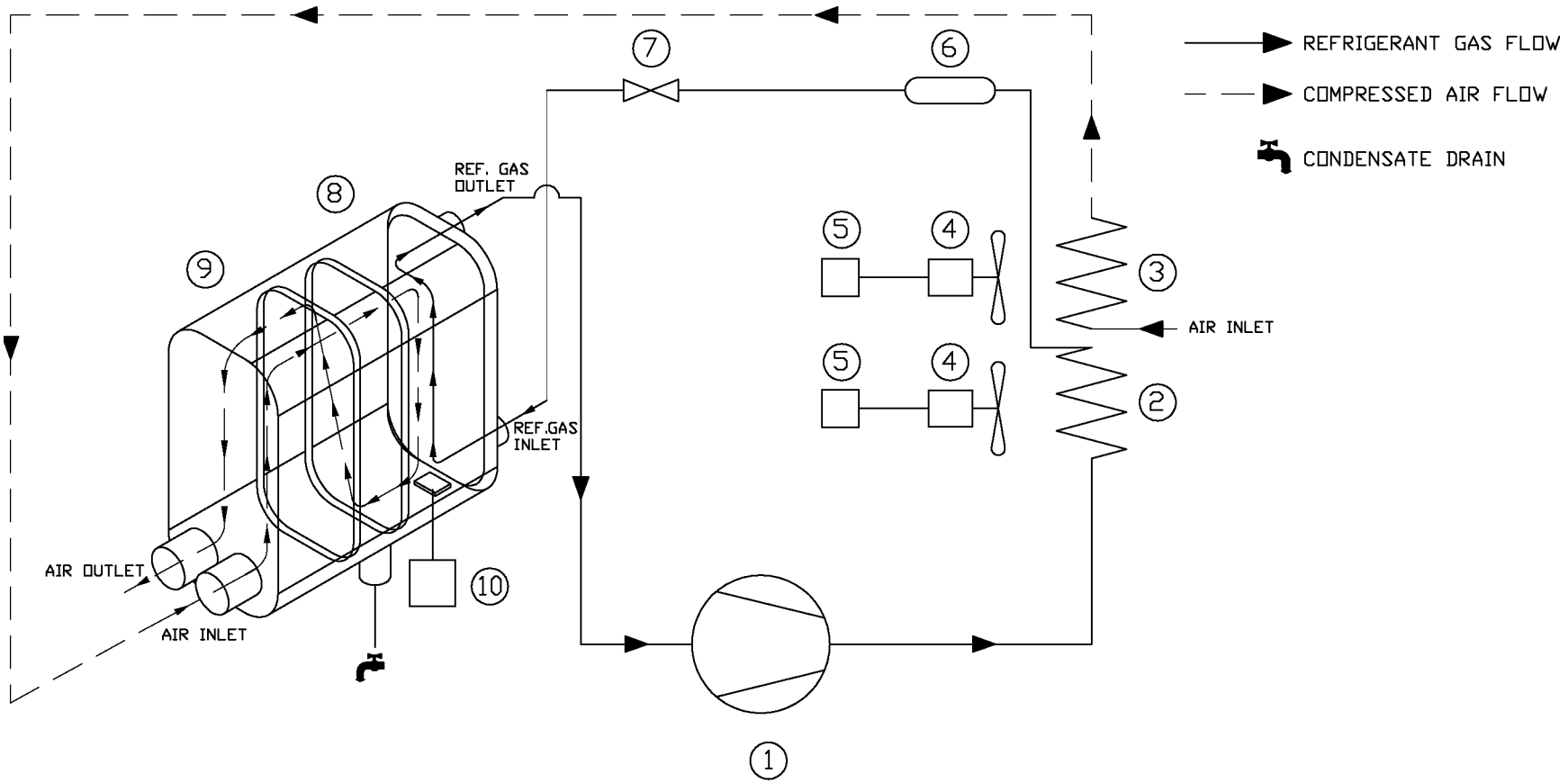
SULLAIR

2.10 ID—RH75-100

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-799	115V/1Ph/60Hz	AIR COOLED	RH75
02250193-800	115V/1Ph/60Hz	AIR COOLED	RH100

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT	DRYER
20.08” * 22.05” * 35.83” [510] * [625] * [755]	24.21” * 27.76” * 42.32 [615] * [705] * [1075]	238 LB	213 LB	RH100
		217 LB	193 LB	RH75

2.11 P&I—RH15-75



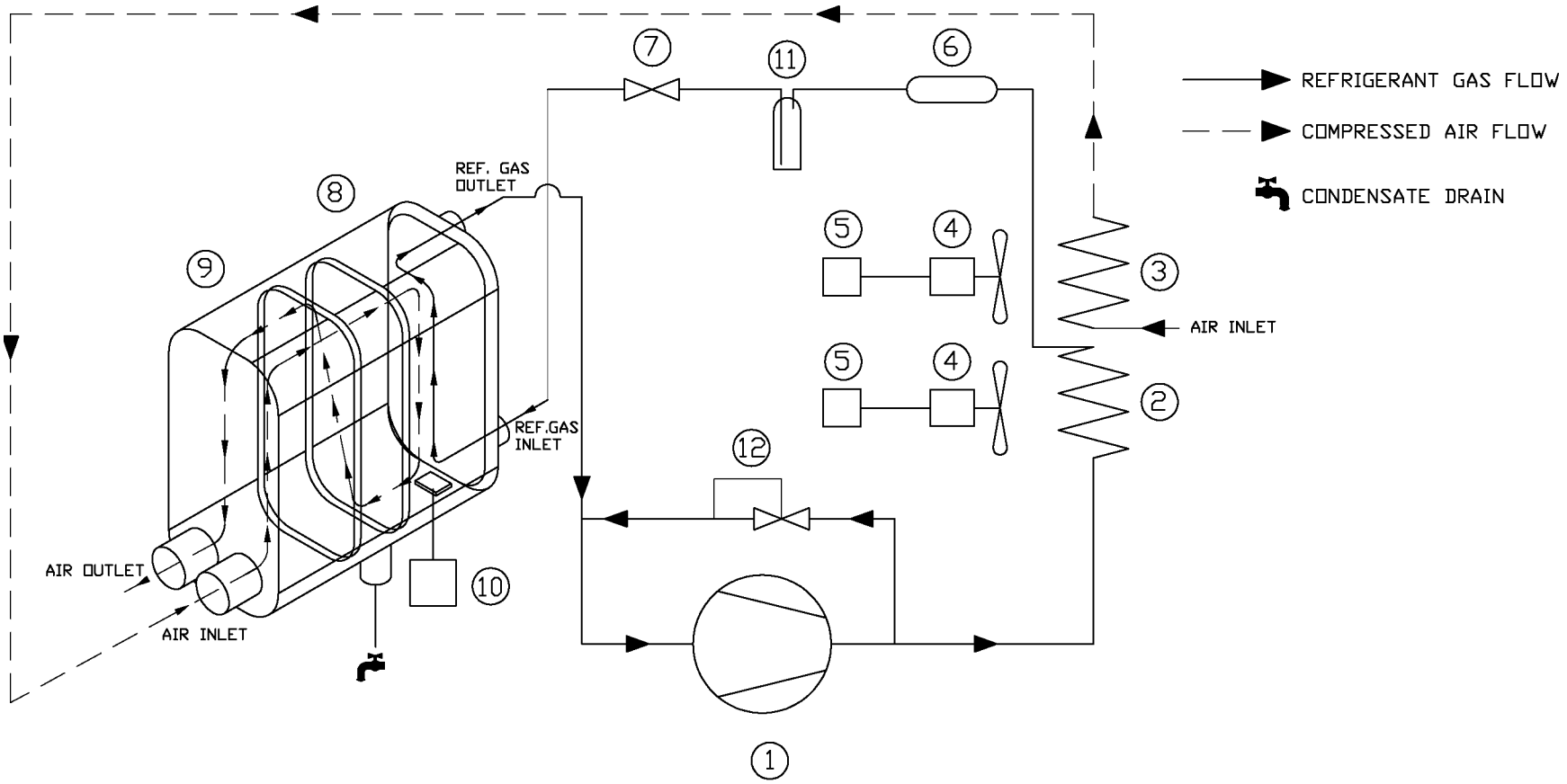
02250195-284

2.11 ID—RH15-75

1	COMPRESSOR
2	REFRIGERANT CONDENSER
3	AFTERCOOLER
4	FAN MOTOR
5	FAN MOTOR SWITCH
6	DEHYDRATOR
7	THERMOSTATIC EXPANSION VALVE
8	EVAPORATOR
9	AIR-AIR EXCHANGER
10	DEW POINT INDICATOR
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION.	

MODEL	REFRIGERANT TYPE	LB
RH15	R134A	1.102
RH25		1.102
RH35		1.102
RH50		0.992
RH75		1.543

2.12 P&I—RH100



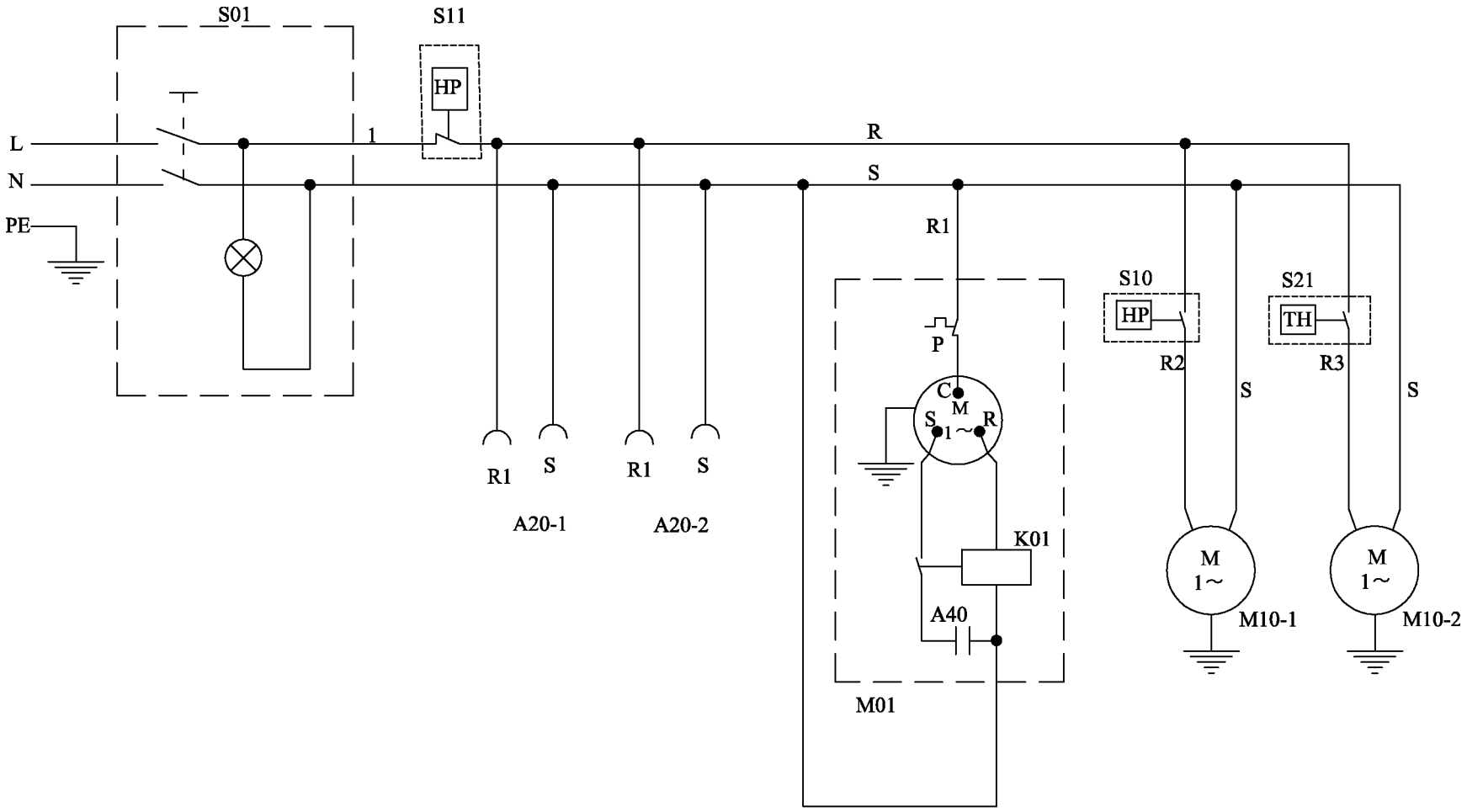
02250195-285

2.12 ID—RH75-100

1	COMPRESSOR
2	REFRIGERANT CONDENSER
3	AFTERCOOLER
4	FAN MOTOR
5	FAN MOTOR SWITCH
6	DEHYDRATOR
7	THERMOSTATIC EXPANSION VALVE
8	EVAPORATOR
9	AIR-AIR EXCHANGER
10	DEW POINT INDICATOR
11	LIQUID RECEIVER
12	BY-PASS VALVE
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION.	

REFRIGERANT TYPE: R134A (2.435 lb)

2.13 WIRING DIAGRAM



02250195-303 R00

2.13 WIRING DIAGRAM

COMP	DESCRIPTION
A40	Compressor starting capacitor
K01	Compressor motor start relay
A20-1	Electronic drain power supply-1
A20-2	Electronic drain power supply-2
M01	Compressor motor
M10-1	Fan motor 1
M10-2	Fan motor 2
S01	Main switch
S10	Fan pressure switch
S11	High pressure safety switch
S21	High air temperature thermostat
P	Compressor protection
HP	Indicates high pressure
TH	Indicates high temperature in the circuit

2.14 TROUBLESHOOTING

⚠ IMPORTANT

Before starting maintenance activity or repair on the dryer, the main power switch and ON/OFF switch must be turned OFF. Also, the compressed air must be vented from the system and the inlet and outlet valves must be closed. The dryer has to be isolated completely.

PROBLEM	POSSIBLE CAUSE	REPAIR	COMMENTS
Dryer-on light is lit but refrigerant compressor is not operating	Refrigeration unit is not operating	Check refrigeration compressor	Several factors may cause compressor failure. A qualified refrigeration contractor should check all electrical and refrigerant control
	The refrigerant high pressure protection has tripped	The refrigerant safety high pressure switch has tripped	The dryer is protected against a very high refrigerant pressure. It will trip in case the condenser efficiency is reduced Manually reset the switch (green button)
	Excessive ambient temperature	Ensure that dryer inlet conditions are within the recommended range. Designed conditions and correction factors are described in product literature.	A high ambient temperature may cause the refrigerant system to operate at higher than normal pressures. Results will be a higher than normal evaporator temperature. Important: there should be adequate air circulation around the dryer, and proper ventilation in the equipment room is a must to achieve a low enough ambient temperature
	Excessive temperature on crankcase of compressor	Allow time for the compressor to cool down Reason may be a possible incorrect adjustment or shortage of refrigerant	Compressor is protected against too high a temperature of the crankcase by a thermal switch called “klixon” Klixon can be located internally to refrigerant compressor or under the protective cover on the top of the compressor
cont.	Excessive compressed air inlet temperature	Be sure that dryer inlet conditions are within the specified range.	The dryer is designed for working within calculated maximum conditions. Should these conditions change, the dryer can be overloaded, the dew point will go up and protecting devices can switch off

PROBLEM	POSSIBLE CAUSE	REPAIR	COMMENTS
Dryer-on light is lit but refrigerant compressor is not operating	Clogged condenser fins	Clear fins of all obstructions	The clogged fins in the condenser will restrict the air passage and reduce the refrigeration capacity, causing high temperature in the evaporator. Air condensers should be periodically checked and cleaned.
	Too much air flow	Check actual flow through the dryer	This dryer is designed for a maximum air flow. If too much air is pumped into the dryer, water removal capacity decreases, resulting in liquid carry-over downstream. Check the rated output of the air compressor and make sure that it matches the dryer capacity.
Dryer-ON light is lit but refrigerant compressor does not run	Faulty electrical wiring	Inspect the circuit	The compressor-on light should be wired into the refrigerant compressor circuit. Refer to the electrical and wiring diagram for proper connections.
	One electrical protection has tripped	Reset the protection or replace the blown fuse	The dryer is protected by a fuse and/or overload relay that can trip. Reset or replace blown fuse once, but do not insist if it trips again. Instead have a qualified refrigerant technician check the complete dryer thoroughly.
Dryer-on light is lit but fan does not come ON	Fan has to run if refrigerant high pressure has reached upper set point	Check the compressed air flows through the dryer. Check to make sure that the fan blades are free to rotate.	Fan is automatically turned ON/OFF in order to keep the refrigerant pressure to a minimum value. The fans might stop if the pressure setting is incorrect
Dryer on light is lit but fan motor of aftercooler does not run	Inlet air temperature may be too low	Increase the inlet air temperature	The fan motor of the aftercooler is designed to run if the inlet air temperature is equal or greater then 95F. In case it is less then that temperature then the fan motor of the aftercooler does not start to run.
When compressor starts, it vibrates a lot and makes mechanical noise	Compressor is sucking liquid refrigerant at start up.	Be sure that pre-heating period of minimum 4 hours has elapsed for dryers equipped with crankcase heater (all models equal to and larger than 250CFM)	Refrigerant may move between the receiver when refrigerant compressor is stopped and not heated, especially if it has been non-operational for a long time This migration may cause liquid shock in valves specially on dryers containing more refrigerant

PROBLEM	POSSIBLE CAUSE	REPAIR	COMMENTS
Water in system	Inlet and outlet connections are reversed	Check inlet and outlet connections	This dryer is designed for air flow in one direction only. Inlet and outlet directions are identified on the dryer and cannot be interchanged.
	Drain system is clogged or inoperative	Restore free flow of water condensate. Check water evacuation points and connections.	The attached drain may be timer and solenoid valve type or pneumatically assisted. Timer has to be adjusted in accordance with values listed in the manual and depending on the amount of moisture in the air stream. Solenoid valves includes a strainer that has to be periodically checked and cleaned. Membranes of pneumatically assisted drains have to be checked or replaced every 6 months
	Bypass system is open	Check the valves	Important: Bypass piping should be installed around the dryer so the dryer can be isolated for service without shutting down the air supply. During dryer operation, valves must be set so all air goes into the system. Check tightness of the bypass system
	Free moisture remains in pipe lines	Blow out the system	Before the dryer is placed inline, blow out all the moisture from the system and from the compressed air piping.
	Excessive free moisture	Check the separator and drain system ahead of the dryer	In some systems there may be an accumulation of free moisture in the line ahead of the dryer. If this moisture is pumped into the dryer intermittently, the water removal capacity may not be sufficient. A water separator has to be installed into the line before the dryer
	Excessive compressed air inlet temperature	Be sure that the dryer is working well within the maximum operating conditions	The dryer is designed for working into calculated maximum conditions. Should the conditions be exceeded, the dryer will be overflowed, dew point will go up and protecting devices can switch off

PROBLEM	POSSIBLE CAUSE	REPAIR	COMMENTS
Water in system	Clogged condenser fins	Clean fins of all obstructions	The clogged fins in the condenser will restrict air passage and reduce refrigerant capacity causing water downstream. Fins should be periodically checked and cleaned
	Shortage of refrigerant	Fix the leak and add a charge of refrigerant	Loss of refrigerant will cause improper functioning. A qualified refrigeration specialist should perform the necessary repairs, or factory should be contacted if the units is in warranty
	Refrigeration system is not functioning	Double check if the refrigerant compressor is running	To check if the compressor is running, check compressor-on light. It is possible for the fan to be operating but not the compressor. Compressor not running can be caused by several factors. A qualified refrigerant technician should check all refrigerant and electrical controls
	Excessive pressure dew point	Readjust refrigerant evaporating pressure	The refrigerant pressure adjustment valve is identified by a label. Turning the adjustment screw counterclockwise will decrease the refrigerant pressure and lower the dew point. Adjust valves in ¼ turn increments to allow 15 minutes for pressure stabilization with full air flowing. Be sure that gauge indicates that pressure stays in green zone
High pressure drop	Excessive compressed air flow or too low air inlet pressure	Check actual pressure and flow through the dryer	This dryer is designed for a maximum air flow. If too much air is pumped into the dryer, water removal capacity may not be sufficient, resulting in liquid carryover downstream. Check the rated output of the air compressor
	Freeze up	Ensure that the operating room temperature is above 41°F/5°C Readjust refrigeration controls	Frosting of the lines is an indication that controls are set too low. Controls may be adjusted in the field by means of the hot gas bypass valve. Turn the screw clockwise to increase refrigerant pressure setting which will increase pressure dew point. Turn screw in ¼ turn increments until frost disappears. Allow 15 minutes for pressure stabilization with air flowing
	Clogged heat exchanger	Clean heat exchanger with a reverse air flow	Dryers are supposed to be used with compressed air free of any aggressive contaminants. Some contaminants and impurities may require a special heat exchanger. Contact your dealer with your application details.

PROBLEM	POSSIBLE CAUSE	REPAIR	COMMENTS
The unit will not run or cycles ON and OFF	Line disconnect switch is open.	Close the start or disconnect switch	If the dryer is not operating, check the disconnect switch or circuit breaker to be certain it is turned ON.
	Faulty refrigerant compressor or controls	Determine the cause and make correction	Failure of compressor to run may be caused by several factors. A qualified refrigeration technician should check all electrical and refrigeration controls, or the factory should be contacted if the unit is under warranty
	Excessive compressed air inlet temperature	Designed conditions and correction factors as described in the product literature must be strictly followed. Ensure that the dryer is working well within the maximum conditions	The dryer is designed for working within the calculated maximum conditions. Should the conditions be exceed, the dryer will be overflow, dew point will go up and protecting devices can get switched off
	Excessive ambient temperature	Designed conditions and correction factors as described in the product literature must be strictly followed. Ensure that the dryer is working well within the maximum conditions	A high ambient temperature may cause the refrigerant system to operate at higher than normal pressures. Result will be a higher than normal evaporator temperature. Important: there should be adequate air circulation around the dryer, and proper ventilation in the equipment room. This should guarantee a low enough ambient temperature
	Clogged condenser fins	Clear fins of all obstructions	The clogged fins in the condenser will restrict the air passage and reduce the refrigeration capacity, causing high temperature in the evaporator. Fins should be periodically checked and cleaned
	Shortage of refrigerant	Fix the leak and add the appropriate amount of refrigerant into the system.	Loss of refrigerant will cause improper functioning. A qualified refrigeration specialist should perform the necessary repairs, or factory should be contacted if the unit is under warranty

2.15 SETTINGS

MODEL	Return Gas Temperature		Evaporating pressure		Fan pressure switch		Security high pressure switch		Security low pressure switch		Refrigerant temperature switch		Drain timer	Water flow valve (if water condenser)	
	C°	F°	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	C°	F°	Open / Close	BAR	PSI
RH-0015	5-10°C	41-50°F	2.05 bar	29.7 psi	9-12 bar	130.5-174 psi	25 bar	363 psi	1.6 bar	23.2 psi	N/A	N/A	4 sec / 5 min	N/A	N/A
RH-0025	5-10°C	41-50°F	2.05 bar	29.7 psi	9-12 bar	130.5-174 psi	25 bar	363 psi	1.6 bar	23.2 psi	N/A	N/A	4 sec / 5 min	N/A	N/A
RH-0035	5-10°C	41-50°F	2.05 bar	29.7 psi	9-12 bar	130.5-174 psi	25 bar	363 psi	1.6 bar	23.2 psi	N/A	N/A	4 sec / 5 min	N/A	N/A
RH-0050	5-10°C	41-50°F	2.05 bar	29.7 psi	9-12 bar	130.5-174 psi	25 bar	363 psi	1.6 bar	23.2 psi	N/A	N/A	4 sec / 5 min	N/A	N/A
RH-0075	5-10°C	41-50°F	2.05 bar	29.7 psi	9-12 bar	130.5-174 psi	25 bar	363 psi	1.6 bar	23.2 psi	N/A	N/A	4 sec / 5 min	N/A	N/A
RH-0100	5-10°C	41-50°F	2.05 bar	29.7 psi	9-12 bar	130.5-174 psi	25 bar	363 psi	1.6 bar	23.2 psi	N/A	N/A	4 sec / 5 min	N/A	N/A

Table 2-1: DP Power 60H

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size
							scfm	(psid)	(kW)	(in)
High Temp	115/1/60	15.0	RH-0015-115-60-A	02250193-795	n/a	n/a	15.0	1.1	0.25	1/2”
High Temp	115/1/60	25.0	RH-0025-115-60-A	02250193-796	n/a	n/a	25.0	2.2	0.29	1/2”
High Temp	115/1/60	35.0	RH-0035-115-60-A	02250193-797	n/a	n/a	35.0	3.6	0.45	1/2”
High Temp	115/1/60	50.0	RH-0050-115-60-A	02250193-798	n/a	n/a	50.0	6.0	0.67	1/2”
High Temp	115/1/60	75.0	RH-0075-115-60-A	02250193-799	n/a	n/a	75.0	2.9	0.85	3/4”
High Temp	115/1/60	100.0	RH-0100-115-60-A	02250193-800	n/a	n/a	100.0	5.3	1.11	3/4”

2.16 SPARE PARTS

Component Name	RH-0015-115-1-60-A	RH-0025-115-1-60-A	RH-0035-115-1-60-A	RH-0050-115-1-60-A	RH-0075-115-1-60-A	RH-0100-115-1-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-0050-115-1-60-A	M-CMP-0050-115-1-60-A	M-CMP-0050-115-1-60-A	M-CMP-0075-115-1-60-A	M-CMP-0075-115-1-60-A	CAE4461Y/115V
compressor electric box	N/A	N/A	N/A	N/A	N/A	M-CEB-0100-115-1-60
Condenser	M-CON-0050H	M-CON-0050H	M-CON-0050H	M-CON-0050H	M-CON-0100H	M-CON-0100H
Fan motor	2x M-FMT-0150-115-1-60	2x M-FMT-0150-115-1-60	2x M-FMT-0150-115-1-60	2x M-FMT-0150-115-1-60	2x M-FMT-0150-115-1-60	2x M-FMT-0150-115-1-60
Fan Blade	2 x M-FAN-0150	2 x M-FAN-0150	2 x M-FAN-0150	2 x M-FAN-0150	2 x M-FAN-0200	2 x M-FAN-0200
fan grill	2 x M-GRL-0150	2 x M-GRL-0150	2 x M-GRL-0150	2 x M-GRL-0150	2 x M-GRL-0200	2 x M-GRL-0200
Drier-Dehydrator	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200
Heat Exchanger	M-EXC-0035	M-EXC-0035	M-EXC-0050	M-EXC-0050	M-EXC-0075	M-EXC-0125
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	N/A	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (outlet)	N/A	N/A	N/A	N/A	N/A	N/A
Expansion valve	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075
By-pass valve	N/A	N/A	N/A	N/A	N/A	N/A
separator	N/A	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	N/A	N/A	N/A	N/A	N/A	N/A
High Pressure Security switch	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200
Fan on/off switch	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200
Low pressure switch	N/A	N/A	N/A	N/A	N/A	N/A
Thermostatic switch	M-THS-0325	M-THS-0325	M-THS-0325	M-THS-0325	M-THS-0325	M-THS-0325
Water pressure Switch	N/A	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000
Compressor Overload Protector	M-COP-0050-115-1-60-A	M-COP-0050-115-1-60-A	M-COP-0050-115-1-60-A	M-COP-0075-115-1-60-A	M-COP-0075-115-1-60-A	CAE4461Y/115V
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325

Component Name	RH-0015-115-1-60-A	RH-0025-115-1-60-A	RH-0035-115-1-60-A	RH-0050-115-1-60-A	RH-0075-115-1-60-A	RH-0100-115-1-60-A
Component Name	**RH-0015-115-1-60-A**	**RH-0025-115-1-60-A**	**RH-0035-115-1-60-A**	**RH-0050-115-1-60-A**	**RH-0075-115-1-60-A**	**RH-0100-115-1-60-A**
Main Switch	N/A	N/A	N/A	N/A	N/A	N/A
Contactor	N/A	N/A	N/A	N/A	N/A	N/A
Phase protection relay	N/A	N/A	N/A	N/A	N/A	N/A
Fan Contactor	N/A	N/A	N/A	N/A	N/A	N/A
Transformer	N/A	N/A	N/A	N/A	N/A	N/A
Secondary contact	N/A	N/A	N/A	N/A	N/A	N/A
Timer	2 x M-TMR-3000	2 x M-TMR-3000	2 x M-TMR-3000	2 x M-TMR-3000	2 x M-TMR-3000	2 x M-TMR-3000
Solenoid Valve	M-SLV-0150-115	M-SLV-0150-115	M-SLV-0150-115	M-SLV-0150-115	M-SLV-0150-115	M-SLV-0150-115
Membrane valve	N/A	N/A	N/A	N/A	N/A	N/A
Membrane	N/A	N/A	N/A	N/A	N/A	N/A
Water Separator	M-WSP-0050	M-WSP-0050	M-WSP-0050	M-WSP-0050	M-WSP-0050	M-WSP-0050
Cabinet Front	M-CFR-0050H	M-CFR-0050H	M-CFR-0050H	M-CFR-0050H	M-CFR-0100H	M-CFR-0100H
Cabinet Side - Left	M-CLE-0050H	M-CLE-0050H	M-CLE-0050H	M-CLE-0050H	M-CLE-0100H	M-CLE-0100H
Cabinet Side - Right	M-CRI-0050H	M-CRI-0050H	M-CRI-0050H	M-CRI-0050H	M-CRI-0100H	M-CRI-0100H
Cabinet Rear	M-CRE-0050H	M-CRE-0050H	M-CRE-0050H	M-CRE-0050H	M-CRE-0100H	M-CRE-0100H
Cabinet Top	M-CTO-0050H	M-CTO-0050H	M-CTO-0050H	M-CTO-0050H	M-CTO-0100H	M-CTO-0100H
Cabinet Base	M-CBA-0050H	M-CBA-0050H	M-CBA-0050H	M-CBA-0050H	M-CBA-0100H	M-CBA-0100H
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0050H	M-CBL-0050H	M-CBL-0050H	M-CBL-0050H	M-CBL-0100H	M-CBL-0100H
Cabinet Frame Top	M-FRT-0050H	M-FRT-0050H	M-FRT-0050H	M-FRT-0050H	M-FRT-0100H	M-FRT-0100H
Cabinette Horizontal profile 1	M-HP1-0050H	M-HP1-0050H	M-HP1-0050H	M-HP1-0050H	M-HP1-0100H	M-HP1-0100H
Cabinette Horizontal profile 2	M-HP2-0050H	M-HP2-0050H	M-HP2-0050H	M-HP2-0050H	M-HP2-0100H	M-HP2-0100H

NOTES

Section 3

RN & RD SERIES REFRIGERATED NON-CYCLING COMPRESSED AIR DRYER

3.1 INTRODUCTION

The Sullair Non-cycling Refrigerated air dryers are designed for constant full load operation. They use specially designed heat exchangers with integrated components to provide consistent dewpoint and trouble-free service for years to come.

The dryers remove the moisture, oil vapors and other harmful contaminants from the compressed air stream. By using basic refrigeration, the hot saturated air is cooled in the highly efficient heat-exchangers and the moisture is condensed and removed. Additional filtration eliminates other contaminants and particles.

Water (moisture) is one of the greatest enemies of air tools and piping. Left untreated in the compressed air stream, this moisture will deteriorate the tools, equipment and piping with corrosion, pipe scaling, freezing and a host of other problems that will diminish the life of your entire compressed air system. With a Sullair refrigerant dryer, you can be assured of clean, dry air with consistent dewpoint between 36-40°F. The unique three-in-one heat exchanger combination—

- **Air to Air** (pre-cooler/re-heater Heat Exchanger)
- **Air to Refrigerant** (high efficiency Heat Exchanger)
- **Integrated Separator** (located at the coldest point to maximize moisture extraction)

heats up the exiting air, thereby eliminating the chances of freezing even in relatively cooler ambient conditions. Warm dry air will not affect the piping nor the tools and the result is extended tool life. In addition, applications that require clean dry air can rely upon Sullair's non-cycling refrigerated air dryers to provide dry air at full load continuously.

3.2 SPECIFICATIONS

Pay attention to the Minimum and Maximum operating conditions before installing and operating the dryer.

Normal Operating Pressure	100 PSIG
Normal Operating Temperature	100°F
Normal Ambient Temperature	100°F
Maximum Operating Pressure	230 PSIG
Minimum Operating Pressure	75 PSIG
Maximum Ambient Temperature	120°F
Minimum Ambient Temperature	40°F
Maximum Operating Temperature	150°F

If your application does not match the above criteria, contact your Sullair distributor and they will be able to provide the right dryer for your application.

3.3 SAFETY INSTRUCTIONS

SAFETY REGULATIONS:

1. When operating the air dryer, the operator must adopt safe working methods and observe all local safety instructions and relevant regulations.
2. Prior to installation, the dryer and the compressed air system are to be depressurized and disconnected from the electrical main supply.
3. The user is responsible for safe operating conditions. Parts and accessories must be replaced if inspection shows that it is unsafe to operate the dryer.
4. Installation, operation, maintenance and repair are only to be performed by authorized, trained and skilled technicians.
5. The minimum and maximum values listed on the data label must be strictly followed. If your application does not fall within the parameters indicated on the data label– **STOP**. Contact your Sullair representative/ distributor and clarify the issue before proceeding or operating the dryer.
6. All safety procedures and practices mentioned in this manual must be observed, as well as all of the federal, state and local safety precautions.
7. If any statement in this manual does not comply with the local legislation, the strongest standard is to be applied.

3.4 ISSUES TO AVOID

1. Any structural changes made to the dryer without the advise of Sullair or Sullair representatives will void all warranty.
2. Compressed air from this dryer does not meet the OSHA standards for breathing and hence it should not be used for breathing purposes.

   None of the protective alarms, equipment or devices should be tampered with. These protective items have been designed and installed on this dryer for your safety.
3. Do not operate the dryer at pressures, temperatures of flow other than the ones mentioned on the data label.

3.5 RECEIVING AND INSPECTION

Sullair dryers are factory tested prior to shipment. However, during shipment, there are chances that the dryer was mishandled or certain parts were broken or might have come loose. In order to ensure that the dryer you have received is fit for installation and operation, we recommend you take a few minutes to inspect the dryer for any physical abuse or damage during shipment.

If you notice any damage to the shipment, we recommend you take the following steps to ensure proper arrangements can be made to address the issue.

1. Immediately file a complaint with the shipping company.
2. Contact Sullair or Sullair distributor and inform them of the damage. (Email or fax the copy of the shipper claim and acknowledgement)

If there is no physical damage to the dryer –

1. Remove all the crating and packaging.
2. Inspect the dryer for electrical and piping connection and make sure that they are all tight.
3. Check the data label, your packing slip and make sure that it is the correct unit you had ordered.
4. Follow the recommended safety procedures and get the dryer ready for installation.

3.6 TRANSPORTATION

1. Use care and caution when transporting the dryer. Avoid sudden jerks, tilting, dropping and other physical abuse.
2. A forklift can be used to transport the dryer provided the forks are long enough to support the full width or length. Caution must be used throughout the move.

3.7 INSTALLATION LAYOUT REQUIREMENTS

1. The dryer must be installed horizontally. A minimum of at least 1 ½ feet clearance around the dryer is necessary to allow free air circulation and easy access for servicing.
2. The ambient temperature in the room should not exceed 120° F and should not be below 40° F, taking into account the heat radiated by the dryer. (About 18 watts for each SCFM under ISO 7183-5 condition or 40 watt for each liter/sec under ISO 7183-A condition).

3.8 ENVIRONMENTAL PROTECTION

1. US/EU laws protect the environment against refrigerant being released into the atmosphere.
2. An annual leak control test at less than 5.0 gr/year should be performed by a qualified engineer if the refrigerant dryer contains more than 4.4 lbs/ 2 kg of refrigerant. This control test has to be done twice a year if the dryer contains more than 66 lbs/30 kg.
3. Prior to dryer disposal, the refrigerant must be properly recovered by a qualified engineer.

3.9 PRODUCT DESCRIPTION

This refrigerated compressed air dryer has been designed to remove water vapor from industrial compressed air that is free of any aggressive contaminants like ammonia, gaseous acid, dust, rust, liquid condensate, any other chemical or mineral substances capable of attacking or clogging the heat exchanger(s).

The optional, water-cooled condenser is not designed for use with seawater or water containing aggressive contaminants.

Please contact your factory representative for further questions on this issue. This dryer has been designed for indoor operation only.

The minimum and maximum values stated must be observed, as well as the safety precautions described in this manual.

3.10 PRODUCT FEATURES

3.10.1 REFRIGERANT COMPRESSOR

The refrigerant compressor is fully hermetically sealed and requires no maintenance.

3.10.2 CONDENSER

1. Air cooled models: The refrigerant condenser is equipped with fans that are cycled on and off to maintain a minimum high side pressure.
2. Water-cooled dryers Utilize a water control valve piloted by a sensing bulb that reacts to the high side refrigerant pressure controlling the water flow Maintain a minimum high side pressure.

3.10.3 REFRIGERANT CIRCUIT PROTECTION

1. **Overload protector**:

   Single phase compressors are equipped with an overload protector which is a current/ temperature switch that reacts to the motor winding amps and temperature of the compressor motor. When the switch detects a high current or a high temperature condition with the compressor motor it opens causing loss of voltage to the compressor. This switch automatically resets as the motor cools down to a factory preset temperature. This cool down period can take as long as 8 hours. A warning lamp will light to indicate that the protector has tripped.

2. **High/Low pressure safety switch**:

   Refrigerant circuits are protected against excessive pressure by a safety switch that stops the compressor in cases of high or low refrigerant pressure. If this safety switch has tripped out on high refrigerant pressure, it has to be manually reset before the dryer can be restarted. A low pressure trip will automatically reset.

3.10.4 FILTER DRIER

Total water removal in the refrigerant circuit is achieved by a filter drier who also traps any solid particles that may have migrated into the circuit during assembly.

3.10.5 Crankcase heater

3-Phase dryers are equipped with an electric crankcase heater. The heater provides preliminary pre-heating of the refrigerant compressor to evaporate liquid refrigerant possibly condensed in the crankcase. This will prevent liquid shock that can damage the compressor.

3.10.6 Refrigerant circuit regulation in RN-0005 to RN-0050 Models

The liquid refrigerant is injected into the evaporator by a metering device while maintaining the refrigerant in the evaporator at a constant pressure. This constant pressure corresponds to a stable evaporation temperature adjusted as close to 32°F as possible.

3.10.7 Refrigerant circuit regulation in RN-0075 – RD-6000

1. The liquid refrigerant is injected into the evaporator through a metering device trying to maintain the refrigerant in the evaporator at a constant pressure
2. The evaporating pressure is kept constant by a controlled injection of hot gas from the high-pressure side into the low-pressure section of the circuit through a hot gas by-pass valve. This constant pressure corresponds to a stable evaporating temperature adjusted as close to 32°F as possible.
3. The mixture of hot gas from the by-pass valve and cold gas from the evaporator is called superheat and is adjusted at (50 ± 5) °F.

3.10.8 Condensate drain—trap assembly

Dismantling the drain is easy because it can be isolated from the air circuit under pressure with a ball valve. Always isolate the drain before disassembly.

3.10.9 Drain maintenance

Ball Valve isolation option is available only in dryers with capacity 35 CFM and above. For dryers with capacities less than 35 CFM, the unit must be completely depressurized before any attempt is made to clean the condensate separator and the drain trap.

3.10.10 Heat exchanger, modular design

The dryers are equipped with compact, modular design heat exchangers. This assembly has been specially designed to dry compressed air and consists of:

1. An air/air heat exchanger which pre-cools the entering hot air with the exiting chilled air.
2. An evaporator which is an air/refrigerant heat exchanger which cools down the compressed air
3. An integral separator that separates the moisture from the air stream at the coldest point. Maximum condensation of moisture occurs at the coldest point and it is at that exact junction that the moisture is removed and drained.

3.10.11 Dew Point Indicator

The Dew point indicator is a standard on all dryer models and is located in the control panel and provides a reading of the pressure dew point (PDP)

3.10.12 Temperature Switch— RD400 and Up

Located inside the dryer, this optional temperature switch is adjustable from 32~95°F (0 ~35°C).

3.10.13 Microprocessor device

This device is supplied on models equal and greater than RD400 3 phase dryers. The Microprocessor allows the dryer to save energy when there is no flow in the dryer. It is possible to monitor major dryer failures on the Microprocessor. It allows the operators to monitor the following:

- Evaporation temperature
- Inlet air temperature
- Ambient temperature
- Refrigerant gas high and low temperatures
- Fan is working properly
- Compressor is working properly
- Condenser is blocked
- Power Phases are correctly connected
- Drain function
- Total working hours
- Total economy hours
- Real date and time

Microprocessor can be remotely controlled and any alarm contacts can be connected to any external devices.

3.11 PRINCIPLE OF OPERATION

The refrigerant circuit can be divided in 3 parts:

1. Low pressure section with an evaporator (heat exchanger)
2. High pressure section including: Condenser, liquid receiver, (if installed) and the filter dryer.
3. Control circuit including: Compressor, metering device, hot gas by-pass valve (if installed), fan pressure switch, safety high/low pressure switch. Water cooled dryers are equipped with a water flow control valve.Refrigeration Heat Exchanger
4. The compressor compresses gaseous refrigerant.
5. The hot refrigerant gas condenses in the condenser and once liquefied it passes through the liquid receiver (optional)
6. The liquid refrigerant leaves the liquid receiver and is injected into the evaporator (heat exchanger) by a metering device.
7. This metering device is protected by a filter dryer, that retains particles and humidity that could be in the circuit
8. The injected liquid evaporates (changes states from liquid to gas) by absorbing heat from the compressed air. The gaseous refrigerant is sucked into the compressor and the cycle carries on.
9. In order to keep the evaporation pressure steady, and maintain the refrigerant temperature in the heat exchanger, a hot gas by-pass valve injects hot gaseous refrigerant into the low pressure refrigerant circuit.

3.12 COMPRESSED AIR HEAT EXCHANGER

1. The saturated, hot compressed air flows into the air/air heat exchanger where it is pre cooled by the out going chilled air.
2. The compressed air then enters the evaporator where it is cooled to the desired dew point.
3. The cooled compressed air passes through the air/water separator where the liquid condensate is removed by the centrifugal separation and drained away by the automatic trap. The outgoing, chilled air is then warmed up in the air/air heat exchanger by the hot incoming air. This energy efficient air-to-air heat exchanger significantly reduces the load on the compressor.
4. As long as the compressed air temperature does not drop below dew point, there will be no further condensation in the compressed air piping.

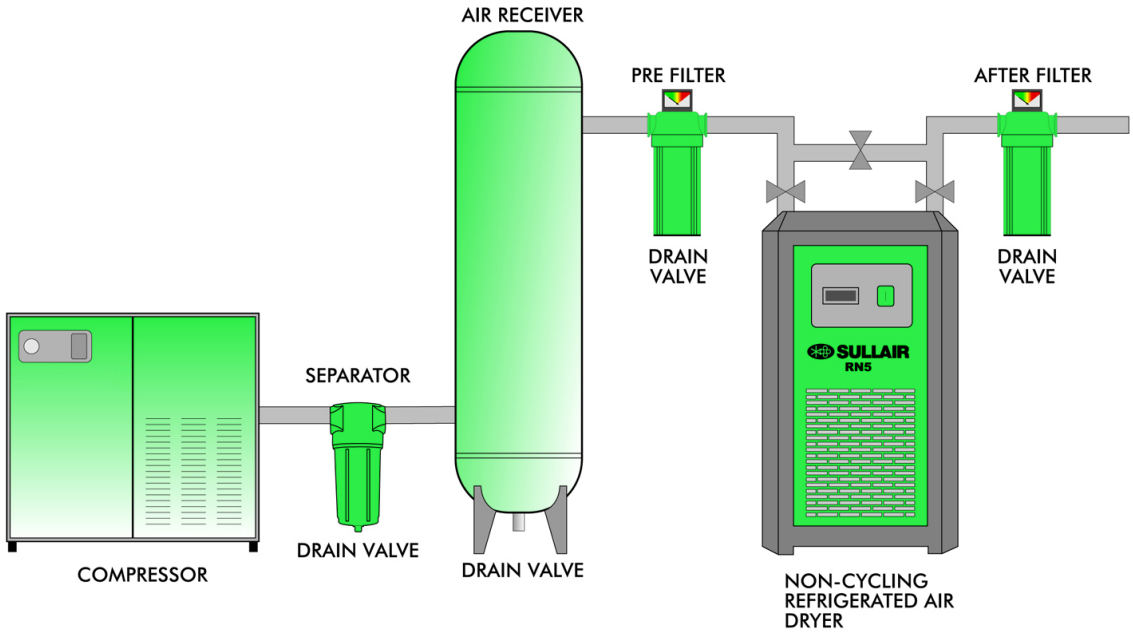


Figure 3-1: Typical Installation Diagram

3.13 PIPE/CONNECTION REQUIREMENTS

Refer to Product Models and Specifications—*Table 3-2*, *Table 3-3*, *Table 3-4*, *Table 3-5*.

3.14 ELECTRICAL CONNECTION REQUIREMENTS

The owner shall furnish all labor, materials, equipment and services necessary for and reasonabaly incidental to complete the installation of all electrical as shown on the drawings.

The electrical installation and connection shall be made in strict accordance with the requirements of any and all City, County, State or Federal codes of Law having jurisdiction, the requirements and recommendations of the Board of Fire Underwriters, including all amendments and / or additions to the said codes, laws, requirements, and recommendations, the requirements and recommendations of the local utility, the Owner, and the Standard Building Code.

The installer shall obtain all permits and inspections required for the work, and shall pay all costs and fees thereof.

3.15 OPERATING PRECAUTIONS

⚠ WARNING

Verify that the operating parameters match with the nominal values stated on the data nameplate of the dryer (voltage, frequency, air pressure, air temperature, ambient temperature, etc.).

This dryer has been thoroughly tested, packaged and inspected prior to shipment. Nevertheless, the unit could be damaged during transportation, check the integrity of the dryer during first start-up and monitor operation during the first hours of operation

Qualified personnel must perform the first start-up.

When installing and operating this equipment, comply with all National Electrical Code and any applicable federal, state and local codes.

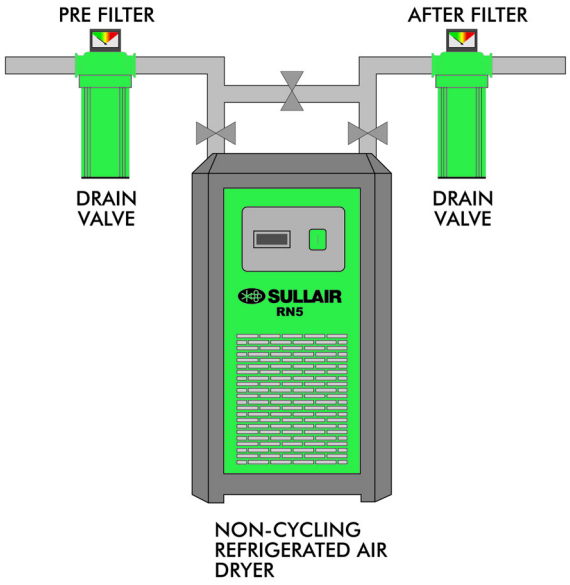
Who is operating the unit is responsible for the proper and safe operation of the dryer.

Never operate equipment with panels removed.

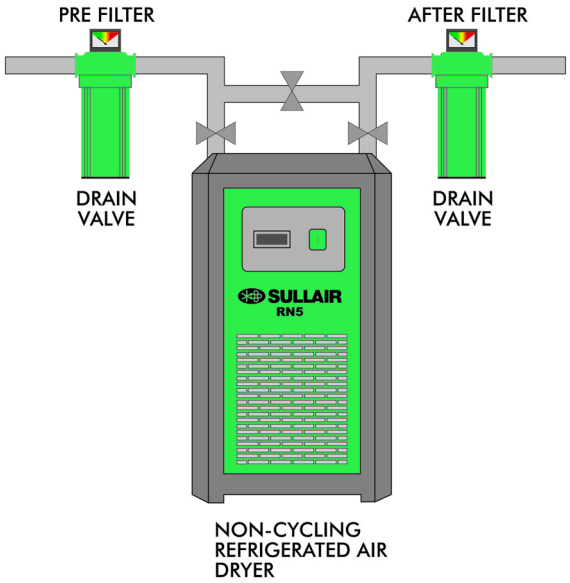
3.16 INSTALLATION

In addition to the general mechanical construction procedures and local regulations, the following instructions need to be emphasized:

1. Only authorized, trained and skilled engineers should install the compressed air dryer.
2. Safety devices, protecting covers or insulations in the dryer are never to be removed or modified. Each pressure vessel or accessory installed outside the dryer with compressed air (Any pressure above atmospheric pressure) must be fitted with individual pressure relief safety valves.
3. Need to add electrical specifications. Such as wire size, fuse size, breaker sizing, specify which models are single phase and which models are three phase.
4. Install one (1) air by-pass valve and two (2) switch off valves in the line before the dryer to allow easy maintenance and for possible isolation of the dryer without interrupting the compressed air flow.



5. In Line Filters: install one compressed air filter in line (particulate filter) before the dryer to protect it against dirt and possible clogging of heat exchanger. Install an After-filter (coalescing filter) that can act as a backup during short periods when the by-pass valve is open to perform maintenance on the dryer. Contact your Sullair representative/dealer for suitable filters.



6. Water Filter: For dryers with water cooled condensers, a water filter should be installed in the supply water piping. (Water Cooled Units Only)
7. The interconnecting piping must be of the correct size and match that of the dryer Inlet and Outlet pipe sizes. DO NOT use pipes of lesser diameter as this will lead to additional pressure loss and will affect the performance of your air dryer. If you are in doubt, contact your Sullair distributor. It is recommended to use the same pipe size as that of the dryer Inlet and Outlet.

3.17 STEPS TO UNDERTAKE BEFORE OPERATING

1. Read this manual completely.
2. Review all safety precautions.
3. Use recommended pipe sizes as per specifications.
4. DO NOT operate the dryer at pressures above the maximum specified on the dryer label (check the technical specifications).
5. DO NOT operate the dryer in temperatures above 120°F (50°C) degrees
6. DO NOT operate the dryer with inlet air temperatures above 150°F (38°C).

3.18 OPERATING PROCEDURES

This procedure should be followed on first start-up, after periods of extended shutdown or following maintenance procedures. Qualified personnel must perform the start-up.

SEQUENCE OF OPERATIONS

1. Ensure that all the steps of the “Installation” chapter have been observed.
2. Ensure that the connection to the compressed air system is correct and that the piping is suitably fixed and supported.
3. Ensure that the condensate drain pipe is properly fastened and connected to a collection system.
4. Ensure that the by-pass system (if installed) is closed and the dryer is isolated.
5. Ensure that the manual valve of the condensate drain circuit is open.
6. Remove any packaging and other material which could obstruct the area around the dryer.
7. Activate the mains switch.
8. Turn on the main switch - pos. 1 on the control panel.
9. Check that the mains power light of the ON/OFF button is ON.
10. Wait at least two hours before starting the dryer (compressor crankcase heater must heat the oil of the compressor)—only models RD 400 & UP, and RD 500 & UP.
11. Ensure the cooling water flow and temperature is adequate (Water-Cooled).
12. Switch ON the dryer pressing the button "I - ON" of the ON/OFF switch
13. Ensure that power ON light is ON.
14. Ensure the data plate flow rate match with plant consumption.
15. If the dryer does not start to run check the monitor on the Microprocessor. If the Phase error is mentioned on the screen change the Phases and re-start the dryer.
16. Allow the dryer temperature to stabilize 10-15 minutes
17. Slowly open the air inlet valve.
18. Slowly open the air outlet valve.
19. Slowly close the central by-pass valve of the system (if optional By-pass valves are installed).
20. Check the piping for air leakage.
21. Ensure the drain is regularly cycling - wait for its first interventions.

3.19 STARTUP AND SHUT DOWN PROCEDURE

⚠ WARNING

For short periods of inactivity, (max 2-3 days) we recommend that power is maintained to the dryer and the control panel. Otherwise, before re-starting the dryer, it is necessary to wait at least 2-3 hours for the compressor crankcase heater to heat the oil of the compressor (only models RD 400 and above).

SEC 3.23 START-UP:

1. Check the condenser for cleanliness (Air-Cooled).
2. Ensure the cooling water flow and temperature is adequate (Water-Cooled).
3. Check that the mains Disconnect ON/OFF switch is ON.
4. Switch ON the dryer pressing the button "I - ON" of the ON/OFF switch
5. Ensure that electronic Monitor is ON. (RD-400 & up)
6. Wait a few minutes; verify that the Dew Point temperature displayed on electronic instrument is dropping and condensate drain is discharging .

SEC 3.24 SHUT DOWN

1. Shut down the air compressor.
2. After few minutes, shut down the dryer pressing the button "0 - OFF" of the ON/OFF switch

NOTE

A Dew Point within 32° F and 50°F (0°C and +10°C) displayed on Air Dryer Controller is correct according to the possible working conditions (flow-rate, temperature of the incoming air, ambient temperature, etc.).

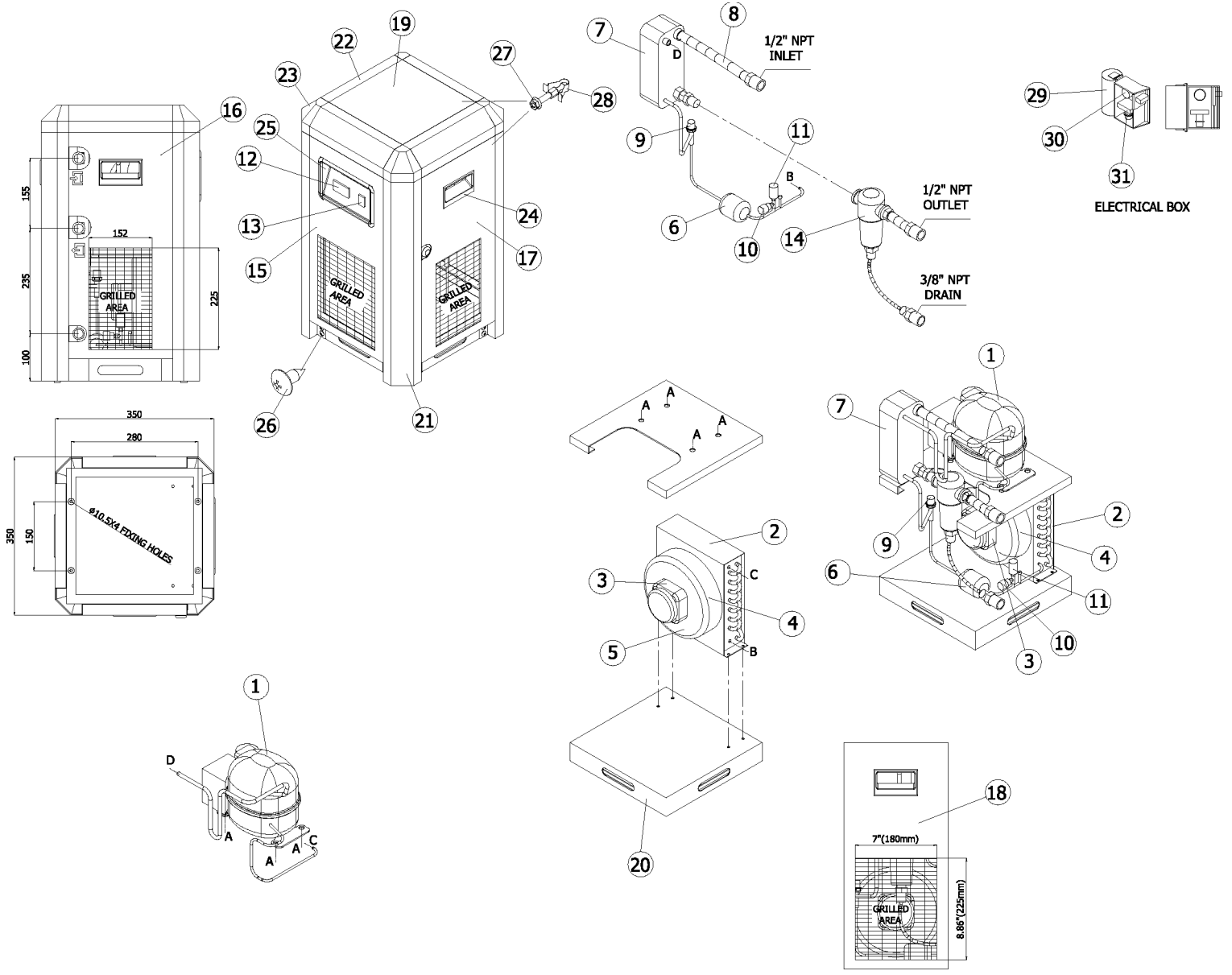
During the operation, the refrigeration compressor will run continuously on RN series and cycle ON/OFF on RD series. The dryer must remain ON during the full usage period of the compressed air, even if the air compressor works intermittently.

⚠ WARNING

The number of start/stop must be no more than 6 time per hour. The dryer must stop running for at least 5 minutes before being started up again.

The user is responsible for compliance with these rules. Frequent start/Stop may cause irreparable damage to refrigeration compressor.

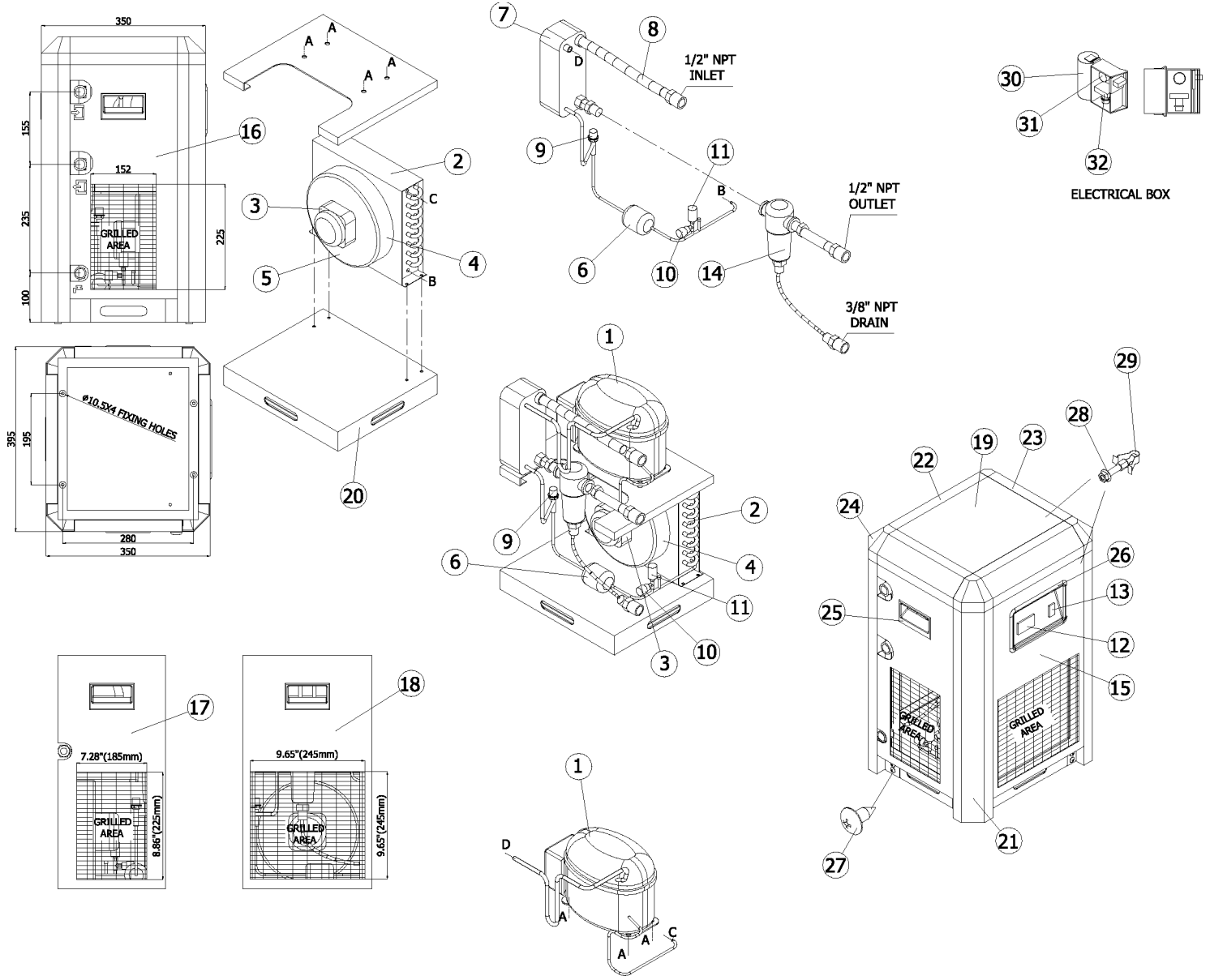
3.20 ED—RN 5-15


1/2" NPT INLET
1/2" NPT OUTLET
3/8" NPT DRAIN
ELECTRICAL BOX
GRILLED AREA
Ø10.5X4 FIXING HOLES
7"(180mm)
8.86"(225mm)

3.20 ED—RN 5-15

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0015-115-1-60-A	COMPRESSOR	1
2	M-CON-0015	CONDENSOR	1
3	M-FMT-0075-115-1-60	FAN MOTOR ASSEMBLY	1
4	M-FAN-0015	FAN BLADE	1
5	M-GRL-0015	FAN GRILL	1
6	M-DRI-0200	DRIER DEHYDRATOR	1
7	M-EXC-0025	HEAT EXCHANGER	1
8	M-INL-0015	FLEXIBLE STEEL TUBE (INLET)	1
9	M-EXV-0075	EXPANSION VALVE	1
10	M-HPS-0200	HIGH PRESSURE SWITCH	1
11	M-FNS-0200	FAN ON/OFF SWITCH	1
12	M-THG-0325	THERMOSTATIC GUAGE	1
13	M-ONB-0200	ON/OFF BUTTON	1
14	M-WSP-0050	WATER SEPARATOR	1
15	M-CFR-0015	CABINET FRONT	1
16	M-CLE-0015	CABINET SIDE-LEFT	1
17	M-CRI-0015	CABINET SIDE-RIGHT	1
18	M-CRE-0015	CABINET REAR	1
19	M-CTO-0015	CABINET TOP	1
20	M-CBA-0015	CABINET BASE	1
21	M-CBL-0015	CABINET LEG	4
22	M-HP1-0015	CABINET HORIZONTAL PROFILE	4
23	M-CTC-3000	CABINET TOP CORNER	4
24	M-CPS-3000	CABINET HANDLE	3
25	M-PDC-0200	PLASTIC DISPLAY COVER	1
26	M-SCR-3000	SCREW TYPE 1	24
27	M-STU-3000	CABINET STUD AND NUT	12
28	M-FAS-3000	CABINET FASTENER	12
29	M-CSC-0015-115-1-60	COMPRESSOR START CAPACITOR	1
30	M-COP-0015-115-1-60	COMPRESSOR OVERLOAD PROTECTOR	1
31	M-CSR-0015-115-1-60	COMPRESSOR START RELAY	1

3.21 ED—RN 25

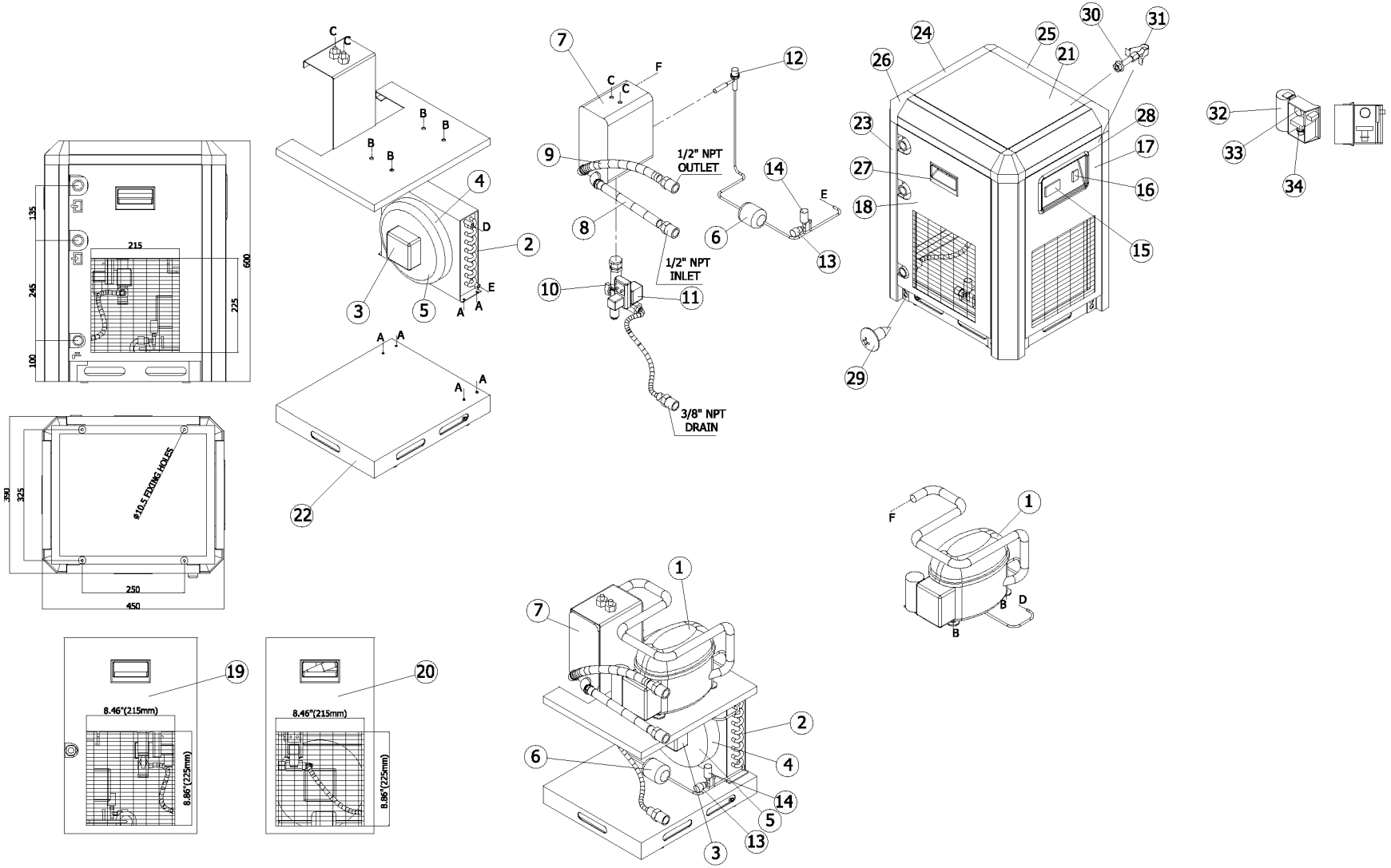

350
155
152
235
225
100
GRILLED AREA
16
2
3
C
4
5
B
20
Ø10.5X4 FIXING HOLES
395
195
280
350
7
8
D
1/2" NPT INLET
9
11
B
1/2" NPT OUTLET
6
10
14
3/8" NPT DRAIN
30
31
32
ELECTRICAL BOX
1
2
4
6
9
11
3
10
29
28
19
23
22
24
26
13
25
12
15
GRILLED AREA
21
27
17
7.28"(185mm)
8.86"(225mm)
18
9.65"(245mm)
9.65"(245mm)
D
C

3.21 ED—RN 25

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0035-115-1-60	COMPRESSOR	1
2	M-CON-0035	CONDENSER	1
3	M-FMT-0075-115-1-60	FAN MOTOR	1
4	M-FAN-0075	FAN BLADE	1
5	M-GRL-0075	FAN GRILL	1
6	M-DRI-0200	DRIER DEHYDRATOR	1
7	M-EXC-0025	HEAT EXCHANGER	1
8	M-INL-0025	FLEXIBLE STEEL TUBE (INLET)	1
9	M-EXV-0075	EXPANSION VALVE	1
10	M-HPS-0200	HIGH PRESSURE SWITCH	1
11	M-FNS-0200	FAN ON/OFF SWITCH	1
12	M-THG-0325	THERMOSTATIC GAUGE	1
13	M-ONB-0200	ON/OFF BUTTON	1
14	M-WSP-0050	WATER SEPARATOR	1
15	M-CFR-0025	CABINET FRONT	1
16	M-CLE-0025	CABINET SIDE-LEFT	1
17	M-CRI-0025	CABINET SIDE-RIGHT	1
18	M-CRE-0025	CABINET REAR	1
19	M-CTO-0025	CABINET TOP	1
20	M-CBA-0025	CABINET BASE	1
21	M-CBL-0025	CABINET LEG	4
22	M-HP1-0025	CABINET HORIZONTAL PROFILE 1	2
23	M-HP2-0025	CABINET HORIZONTAL PROFILE 2	2
24	M-CTC-3000	CABINET TOP CORNER	4
25	M-CPS-3000	CABINET HANDLE	3
26	M-PDC-0200	PLASTIC DISPLAY COVER	1
27	M-SCR-0200	SCREW TYPE 1	24
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-CSC-0035-115-1-60	COMPRESSOR START CAPACITOR	1
31	M-COP-0035-115-1-60	COMPRESSOR OVERLOAD PROTECTOR	1
32	M-STR-0035-115-1-60	COMPRESSOR START RELAY	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-812	115V/1Ph/60Hz	AIR COOLED	RN25
02250193-870	220V/1Ph/50Hz	AIR COOLED	RN25
02250193-835	208/230V/1Ph/60Hz	AIR COOLED	RN25

3.22 ED—RN 35-50

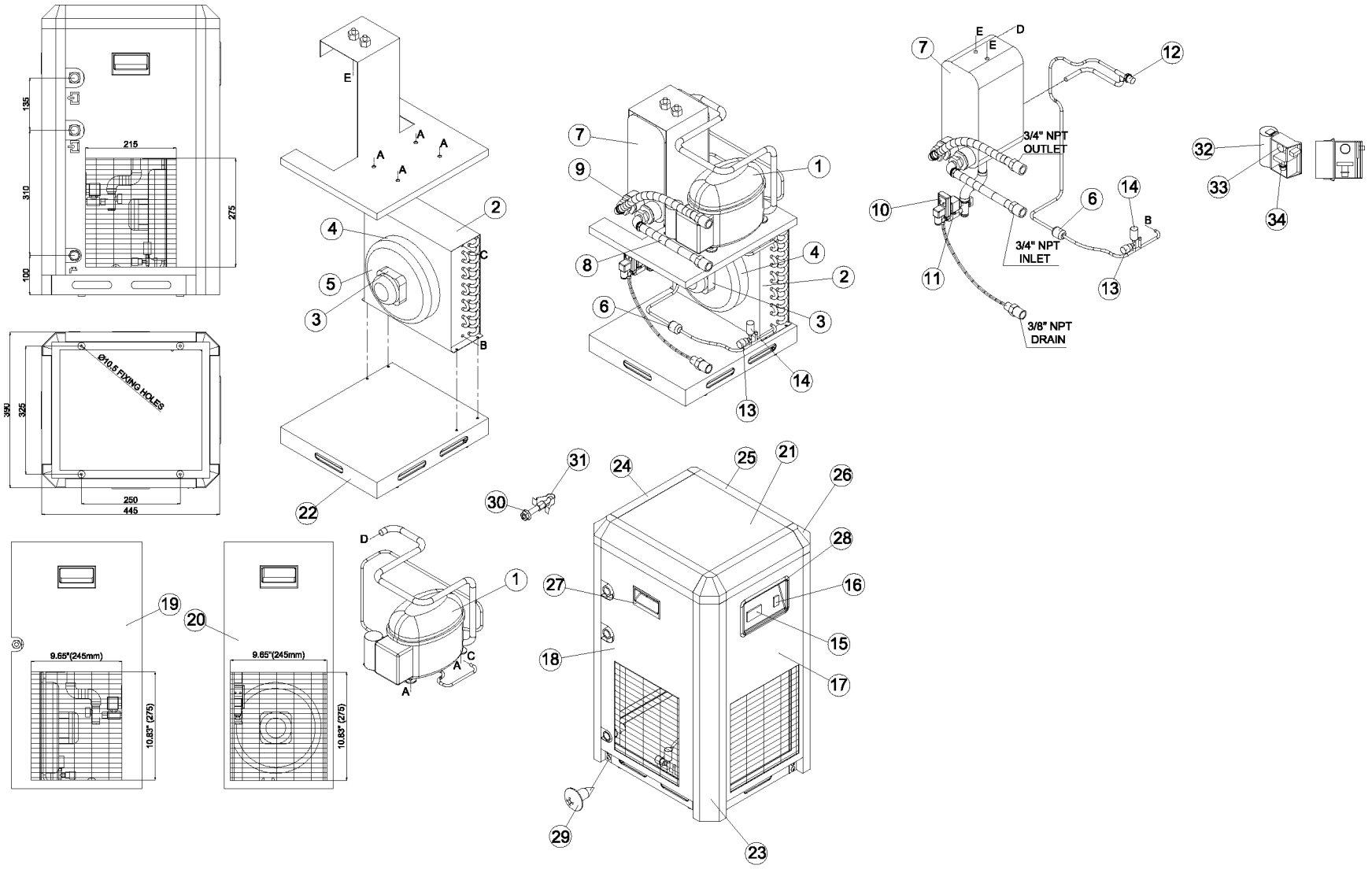


3.22 ED—RN 35-50

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0035-115-1-60	COMPRESSOR	1
2	M-CON-0035	CONDENSER	1
3	M-FMT-0075-115-1-60	FAN MOTOR	1
4	M-FAN-0075	FAN BLADE	1
5	M-GRL-0075	FAN GRILL	1
6	M-DRI-0200	DRIER DEHYDRATOR	1
7	M-EXC-0025	HEAT EXCHANGER	1
8	M-INL-0025	FLEXIBLE STEEL TUBE (INLET)	1
9	M-EXV-0075	EXPANSION VALVE	1
10	M-HPS-0200	HIGH PRESSURE SWITCH	1
11	M-FNS-0200	FAN ON/OFF SWITCH	1
12	M-THG-0325	THERMOSTATIC GAUGE	1
13	M-ONB-0200	ON/OFF BUTTON	1
14	M-WSP-0050	WATER SEPARATOR	1
15	M-CFR-0025	CABINET FRONT	1
16	M-CLE-0025	CABINET SIDE-LEFT	1
17	M-CRI-0025	CABINET SIDE-RIGHT	1
18	M-CRE-0025	CABINET REAR	1
19	M-CTO-0025	CABINET TOP	1
20	M-CBA-0025	CABINET BASE	1
21	M-CBL-0025	CABINET LEG	4
22	M-HP1-0025	CABINET HORIZONTAL PROFILE 1	2
23	M-HP2-0025	CABINET HORIZONTAL PROFILE 2	2
24	M-CTC-3000	CABINET TOP CORNER	4
25	M-CPS-3000	CABINET HANDLE	3
26	M-PDC-0200	PLASTIC DISPLAY COVER	1
27	M-SCR-0200	SCREW TYPE 1	24
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-CSC-0035-115-1-60	COMPRESSOR START CAPACITOR	1
31	M-COP-0035-115-1-60	COMPRESSOR OVERLOAD PROTECTOR	1
32	M-STR-0035-115-1-60	COMPRESSOR START RELAY	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-813	115V/1Ph/60Hz	AIR COOLED	RN35
02250193-836	208-230V/1Ph/60Hz	AIR COOLED	RN35
02250193-871	220V/1Ph/50Hz	AIR COOLED	RN35
02250193-814	115V/1Ph/60Hz	AIR COOLED	RN50
02250193-838	208-230V/1Ph/60Hz	AIR COOLED	RN50
02250193-872	220V/1Ph/50Hz	AIR COOLED	RN50

3.23 ED—RN 75

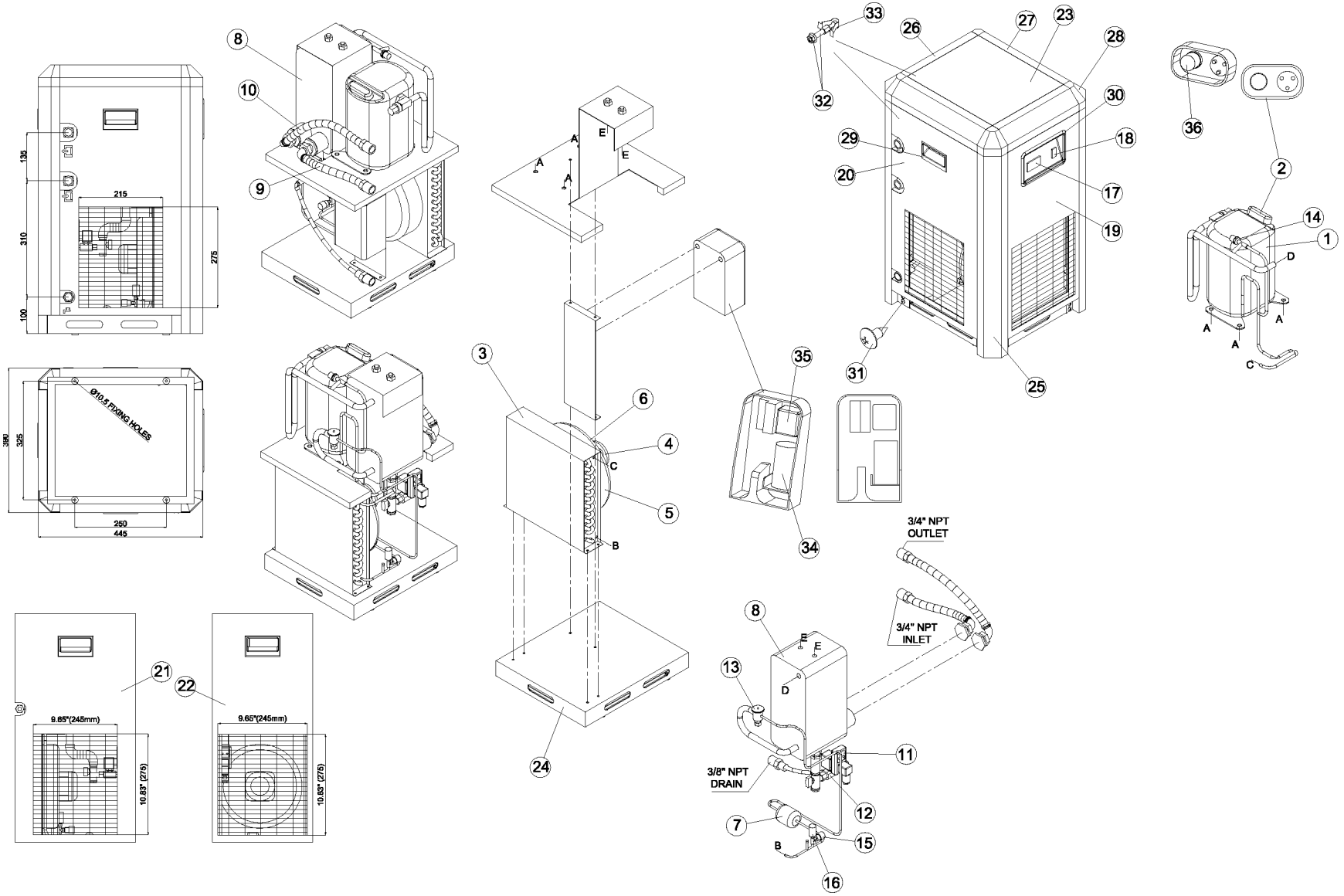

135
215
310
275
100
Ø10.5 FIXING HOLES
350
325
250
445
E
A
A
A
A
2
4
C
5
3
B
22
7
9
1
8
4
2
6
3
14
13
E
D
E
7
12
3/4" NPT
OUTLET
10
6
14
B
3/4" NPT
INLET
11
13
3/8" NPT
DRAIN
32
33
34
31
30
24
25
21
26
28
16
27
15
18
17
29
23
D
1
A
C
A
19
20
9.65"(245mm)
10.83" (275)
9.65"(245mm)
10.83" (275)

3.23 ED—RN 75

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0075-115-1-60	COMPRESSOR	1
2	M-CON-0075	CONDENSER	1
3	M-FMT-0075-115-1-60	FAN MOTOR	1
4	M-FAN-0075	FAN BLADE	1
5	M-GRL-0075	FAN GRILL	1
6	M-DRI-0200	DRIER DEHYDRATOR	1
7	M-EXC-0075	HEAT EXCHANGER	1
8	M-INL-0100	FLEXIBLE STEEL TUBE (INLET)	1
9	M-OTL-0100	FLEXIBLE STEEL TUBE (OUTLET)	1
10	M-TMR-3000	TIMER	1
11	M-SLV-0150-115	SELENOID VALVE	1
12	M-EXV-0075	EXPANSION VALVE	1
13	M-HPS-0200	HIGH PRESSURE SWITCH	1
14	M-FNS-0200	FAN ON/OFF SWITCH	1
15	M-THG-0325	THERMOSTATIC GAUGE	1
16	M-ONB-0200	ON/OFF BUTTON	1
17	M-CFR-0100	CABINET FRONT	1
18	M-CLE-0100	CABINET SIDE-LEFT	1
19	M-CRI-0100	CABINET SIDE-RIGHT	1
20	M-CRE-0100	CABINET REAR	1
21	M-CTO-0100	CABINET TOP	1
22	M-CBA-0100	CABINET BASE	1
23	M-CBL-0100	CABINET LEG	4
24	M-HP1-0100	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-0100	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	3
28	M-PDC-0200	PLASTIC DISPLAY COVER	1
29	M-SCR-0200	SCREW TYPE 1	24
30	M-STU-3000	CABINET STUD AND NUT	12
31	M-FAS-3000	CABINET FASTENER	12
32	M-CSC-0100-115-1-60	COMPRESSOR START CAPACITOR	1
33	M-COP-0100-115-1-60	COMPRESSOR OVERLOAD PROTECTOR	1
34	M-CSR-0100-115-1-60	COMPRESSOR START RELAY	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-815	115V/1Ph/60Hz	AIR COOLED	RN75
02250193-839	208-230V/1Ph/60Hz	AIR COOLED	RN75
02250193-873	220V/1Ph/50Hz	AIR COOLED	RN75

3.24 ED—RN 100

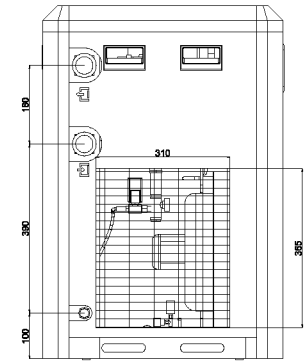

135
310
100
215
275
Ø10.5 FIXING HOLES
390
325
250
445
9.85"(245mm)
10.83" (275)
9.65"(245mm)
10.83" (275)
3/4" NPT OUTLET
3/4" NPT INLET
3/8" NPT DRAIN

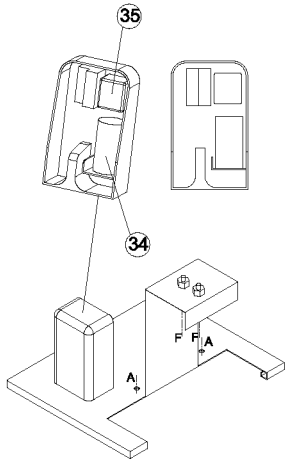
3.24 ED—RN 100

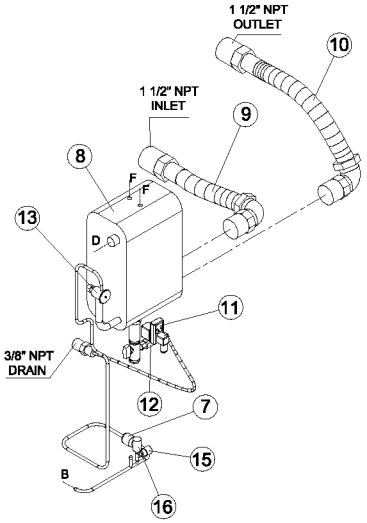
KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0100-115-1-60	COMPRESSOR	1
2	M-CEB-0100-115-1-60	COMPRESSOR ELECTRIC BOX	1
3	M-CON-0100	CONDENSER	1
4	M-FMT-0150-115-1-60	FAN MOTOR	1
5	M-FAN-0150	FAN BLADE	1
6	M-GRL-0150	FAN GRILL	1
7	M-DRI-0200	DRIER DEHYDRATOR	1
8	M-EXC-0125	HEAT EXCHANGER	1
9	M-INL-0100	FLEXIBLE STEEL TUBE (INLET)	1
10	M-OTL-0100	FLEXIBLE STEEL TUBE (OUTLET)	1
11	M-TMR-3000	TIMER	1
12	M-SLV-0150-115	SELENOID VALVE	1
13	M-EXV-0200	EXPANSION VALVE	1
14	M-BVY-0100	BY-PASS VALVE	1
15	M-HPS-0200	HIGH PRESSURE SWITCH	1
16	M-FNS-0200	FAN ON/OFF SWITCH	1
17	M-THG-0325	THERMOSTATIC GAUGE	1
18	M-ONB-0200	ON/OFF BUTTON	1
19	M-CFR-0100	CABINET FRONT	1
20	M-CLE-0100	CABINET SIDE-LEFT	1
21	M-CRI-0100	CABINET SIDE-RIGHT	1
22	M-CRE-0100	CABINET REAR	1
23	M-CTO-0100	CABINET TOP	1
24	M-CBA-0100	CABINET BASE	1
25	M-CBL-0100	CABINET LEG	4
26	M-HP1-0100	CABINET HORIZONTAL PROFILE 1	2
27	M-HP2-0100	CABINET HORIZONTAL PROFILE 2	2
28	M-CTC-3000	CABINET TOP CORNER	4
29	M-CPS-3000	CABINET HANDLE	3
30	M-PDC-0200	PLASTIC DISPLAY COVER	1
31	M-SCR-0200	SCREW TYPE 1	24
32	M-STU-3000	CABINET STUD AND NUT	12
33	M-FAS-3000	CABINET FASTENER	12
34	M-CSC-0100-115-1-60	COMPRESSOR START CAPACITOR	1
35	M-CSR-0100-115-1-60	COMPRESSOR START RELAY	1
36	M-COP-0100-115-1-60	COMPRESSOR OVERLOAD PROTECTOR	1

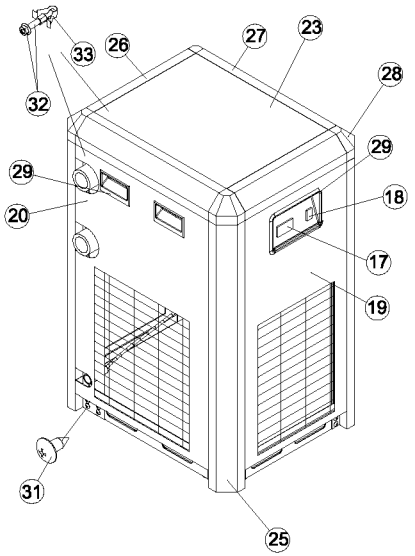
DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-816	115V/1Ph/60Hz	AIR COOLED	RN100
02250193-841	208-230V/1Ph/60Hz	AIR COOLED	RN100
02250193-874	220V/1Ph/50Hz	AIR COOLED	RN100

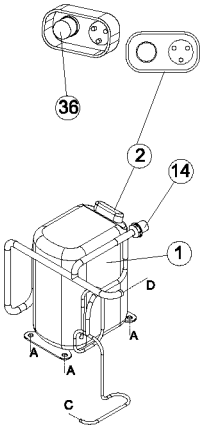
3.25 ED—RN 125

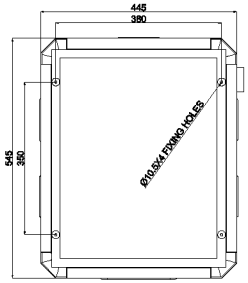

180
310
390
365
100

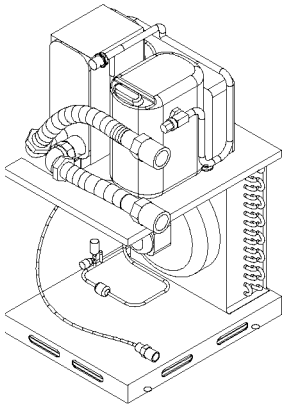

35
34
F
F
A
A

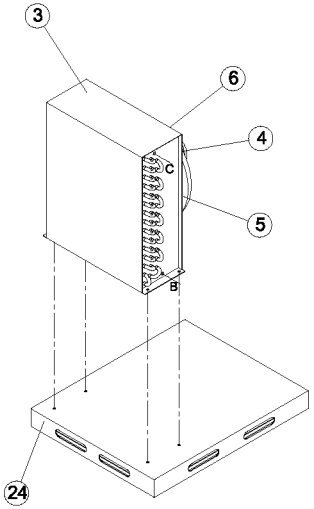

1 1/2" NPT
OUTLET
1 1/2" NPT
INLET
10
9
8
F
F
13
D
11
3/8" NPT
DRAIN
12
7
15
B
16

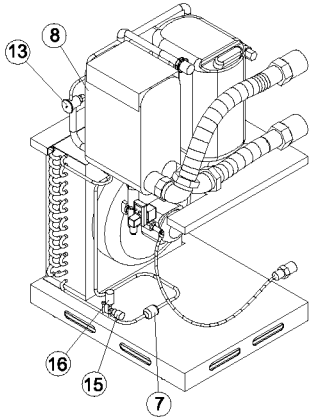

33
26
27
23
28
32
29
29
20
18
17
19
31
25

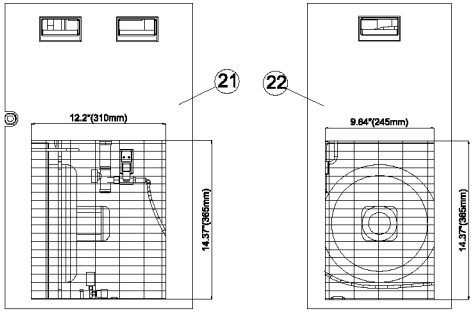

36
2
14
1
D
A
A
A
C


445
380
545
380
Ø10.5X4 FIXING HOLES




3
6
4
C
5
B
24


13
8
16
15
7

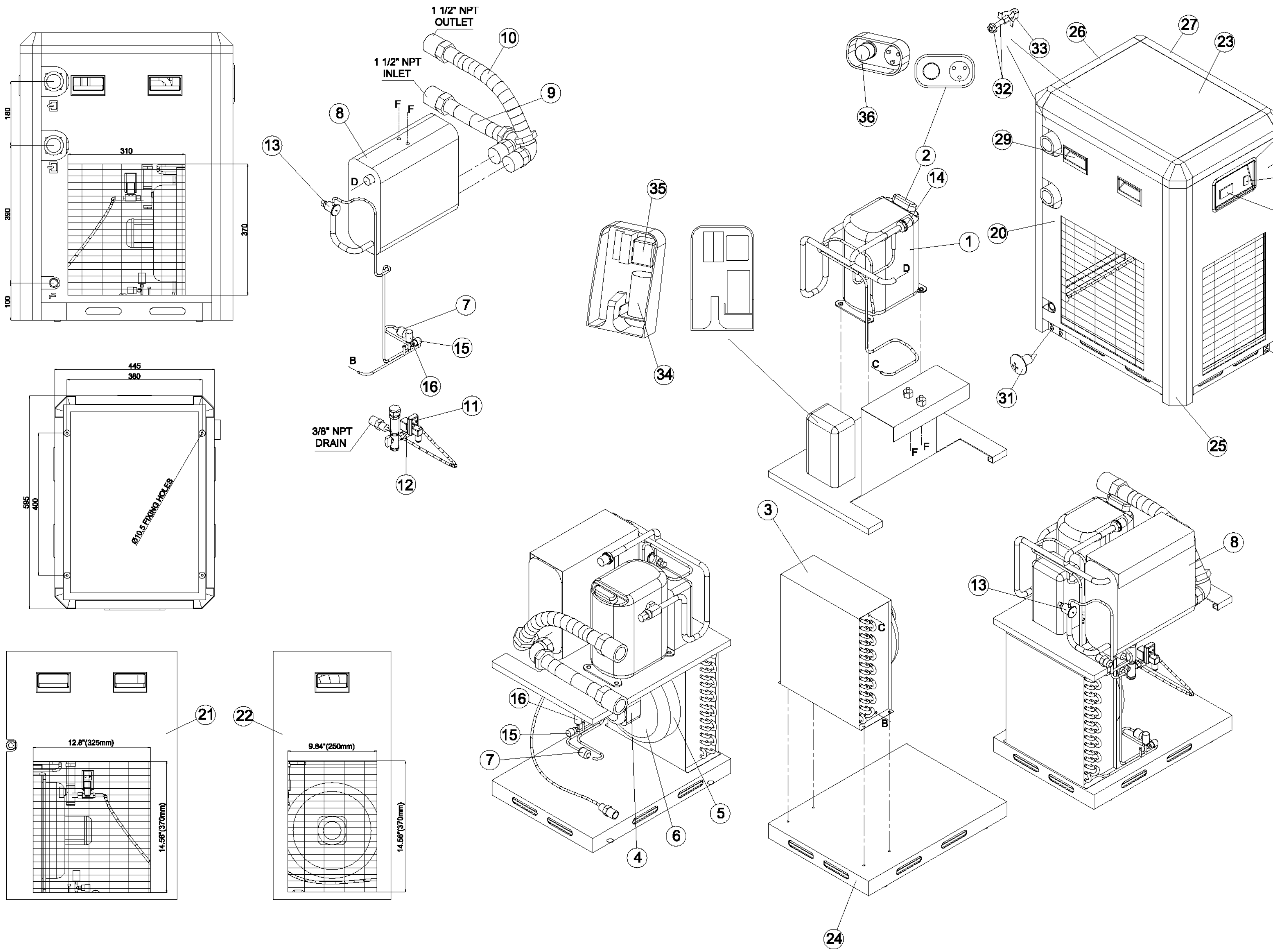

21
22
12.2"(310mm)
14.37"(365mm)
9.64"(245mm)
14.37"(365mm)

3.25 ED—RN 125

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0125-115-1-60-A	COMPRESSOR	1
2	M-CEB-0125-115-1-60	COMPRESSOR ELECTRIC BOX	1
3	M-CON-0150	CONDENSER	1
4	M-FMT-0150-115-1-60	FAN MOTOR	1
5	M-FAN-0150	FAN BLADE	1
6	M-GRL-0150	FAN GRILL	1
7	M-DRI-0200	DRIER DEHYDRATOR	1
8	M-EXC-0125	HEAT EXCHANGER	1
9	M-INL-0150	FLEXIBLE STEEL TUBE (INLET)	1
10	M-OTL-0150	FLEXIBLE STEEL TUBE (OUTLET)	1
11	M-TMR-3000	TIMER	1
12	M-SLV-0150-115	SELENOID VALVE	1
13	M-EXV-0200	EXPANSION VALVE	1
14	M-BVY-0200	BY-PASS VALVE	1
15	M-HPS-0200	HIGH PRESSURE SWITCH	1
16	M-FNS-0200	FAN ON/OFF SWITCH	1
17	M-THG-0325	THERMOSTATIC GAUGE	1
18	M-ONB-0200	ON/OFF BUTTON	1
19	M-CFR-0150	CABINET FRONT	1
20	M-CLE-0150	CABINET SIDE-LEFT	1
21	M-CRI-0150	CABINET SIDE-RIGHT	1
22	M-CRE-0150	CABINET REAR	1
23	M-CTO-0150	CABINET TOP	1
24	M-CBA-0150	CABINET BASE	1
25	M-CBL-0150	CABINET LEG	4
26	M-HP1-0150	CABINET HORIZONTAL PROFILE 1	2
27	M-HP2-0150	CABINET HORIZONTAL PROFILE 2	2
28	M-CTC-3000	CABINET TOP CORNER	4
29	M-CPS-3000	CABINET HANDLE	5
30	M-PDC-0200	PLASTIC DISPLAY COVER	1
31	M-SMS-3000	SHEET METAL SCREW	26
32	M-STU-3000	CABINET STUD AND NUT	10
33	M-FAS-3000	CABINET FASTENER	10
34	M-CSC-0150-115-1-60	COMPRESSOR START CAPACITOR	1
35	M-CSR-0150-115-1-60	COMPRESSOR START RELAY	1
36	M-COP-0150-115-1-60	COMPRESSOR OVERLOAD PROTECTOR	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-817	115V/1Ph/60Hz	AIR COOLED	RN125
02250193-842	208-230V/1Ph/60Hz	AIR COOLED	RN125
02250193-875	220V/1Ph/50Hz	AIR COOLED	RN125

3.26 ED—RN 150


1 1/2" NPT
OUTLET
1 1/2" NPT
INLET
3/8" NPT
DRAIN
310
180
390
100
370
445
360
595
400
Ø10.5 FIXING HOLES
12.8"(325mm)
14.56"(370mm)
9.84"(250mm)
14.56"(370mm)

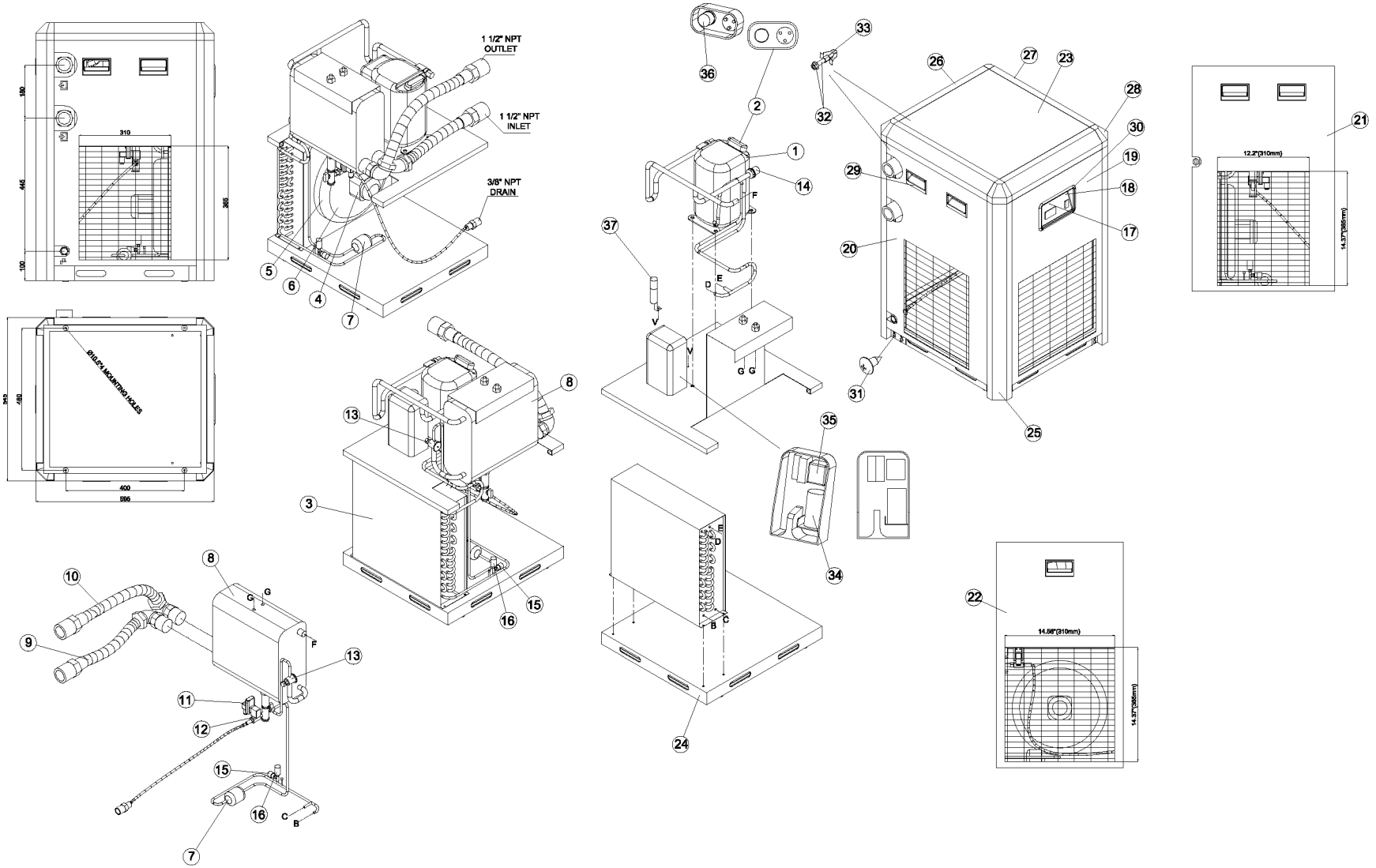
3.26 ED—RN 150

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0150-115-1-60-A	COMPRESSOR	1
2	M-CEB-0150-115-1-60	COMPRESSOR ELECTRIC BOX	1
3	M-CON-0150	CONDENSER	1
4	M-FMT-0150-115-1-60	FAN MOTOR	1
5	M-FAN-0150	FAN BLADE	1
6	M-GRL-0150	FAN GRILL	1
7	M-DRI-0200	DRIER DEHYDRATOR	1
8	M-EXC-0150	HEAT EXCHANGER	1
9	M-INL-0150	FLEXIBLE STEEL TUBE (INLET)	1
10	M-OTL-0150	FLEXIBLE STEEL TUBE (OUTLET)	1
11	M-TMR-3000	TIMER	1
12	M-SLV-0150-115	SELENOID VALVE	1
13	M-EXV-0200	EXPANSION VALVE	1
14	M-BVY-0200	BY-PASS VALVE	1
15	M-HPS-0200	HIGH PRESSURE SWITCH	1
16	M-FNS-0200	FAN ON/OFF SWITCH	1
17	M-THG-0325	THERMOSTATIC GAUGE	1
18	M-ONB-0200	ON/OFF BUTTON	1
19	M-CFR-0150	CABINET FRONT	1
20	M-CLE-0150	CABINET SIDE-LEFT	1
21	M-CRI-0150	CABINET SIDE-RIGHT	1
22	M-CRE-0150	CABINET REAR	1
23	M-CTO-0150	CABINET TOP	1
24	M-CBA-0150	CABINET BASE	1
25	M-CBL-0150	CABINET LEG	4
26	M-HP1-0150	CABINET HORIZONTAL PROFILE 1	2
27	M-HP2-0150	CABINET HORIZONTAL PROFILE 2	2
28	M-CTC-3000	CABINET TOP CORNER	4
29	M-CPS-3000	CABINET HANDLE	5
30	M-PDC-0200	PLASTIC DISPLAY COVER	1
31	M-SCR-0200	SCREW TYPE 1	26
32	M-STU-3000	CABINET STUD AND NUT	12

KEY	PART NUMBER	DESCRIPTION	QTY
33	M-FAS-3000	CABINET FASTENER	12
34	M-CSC-0150-115-1-60	COMPRESSOR START CAPACITOR	1
35	M-CSR-0150-115-1-60	COMPRESSOR START RELAY	1
36	M-COP-0150-115-1-60	COMPRESSOR OVERLOAD PROTECTOR	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-818	115V/1Ph/60Hz	AIR COOLED	RN150
02250193-843	208-230V/1Ph/60Hz	AIR COOLED	RN150

3.27 ED—RN 175

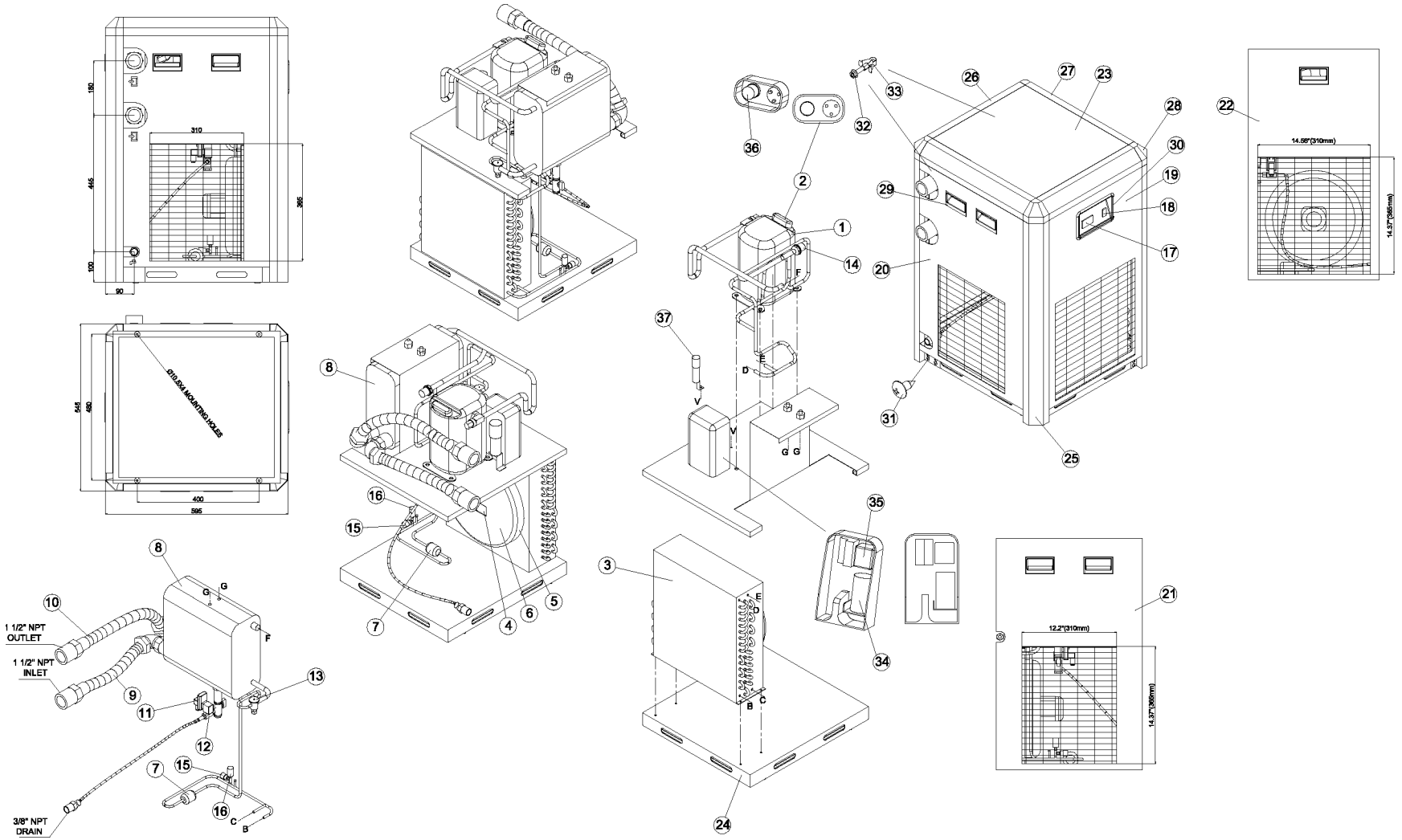

1 1/2" NPT OUTLET
1 1/2" NPT INLET
3/8" NPT DRAIN
Ø10.5X4 MOUNTING HOLES
12.2"(310mm)
14.57"(365mm)
14.56"(310mm)
14.57"(365mm)

3.27 ED—RN 175

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0200-220-1-50-A	COMPRESSOR	1
2	M-CEB-0200-220-1-50	COMPRESSOR ELECTRIC BOX	
3	M-CON-0175	CONDENSOR	1
4	M-FMT-0200-220-1-50	FAN MOTOR ASSEMBLY	1
5	M-FAN-0200	FAN BLADE	1
6	M-GRL-0200	FAN GRILL	2
7	M-DRI-0200	DRIER DEHYDRATOR	1
8	M-EXC-0200	HEAT EXCHANGER	1
9	M-INL-0200	FLEXIBLE STEEL TUBE (INLET)	1
10	M-OTL-0200	FLEXIBLE STTEL TUBE (OUTLET)	1
11	TMR-3000	TIMER	1
12	M-SLV-0200-230	SOLENOID VALVE	1
13	M-EXV-0200	EXPANSION VALVE	1
14	M-BYY-0200	BY-PASS VALVE	1
15	M-HPS-0200	HIGH PRESSURE SWITCH	1
16	M-FNS-0200	FAN ON-OFF SWITCH	1
17	M-THG-0325	THERMOSTATIC GUAGE	1
18	M-ONB-0200	ON-OFF BUTTON	1
19	M-CFR-0200	CABINET FRONT	1
20	M-CLE-0200	CABINET SIDE-LEFT	2
21	M-CRI-0200	CABINET SIDE-RIGHT	
22	M-CRE-0200	CABINET REAR	1
23	M-CTO-0200	CABINET TOP	1
24	M-CBA-0200	CABINET BASE	1
25	M-CBL-0200	CABINET LEG	4
26	M-HP1-0200	CABINET HORIZONTAL PROFILE 1	2
27	M-HP2-0200	CABINET HORIZONTAL PROFILE 2	2
28	M-CTC-3000	CABINET TOP CORNER	8
29	M-CPS-3000	CABINET HANDLE	4
30	M-PDC-0200	PLASTIC DISPLAY COVER	12
31	M-SCR-200	SCREW TYPE 1	12
32	M-STU-3000	CABINET STUD AND NUT	12
33	M-FAS-3000	CABINET FASTENER	16
34	M-CSC-0200-220-1-60	COMPRESSOR START CAPACITOR	1
35	M-CSR-0200-220-1-60	COMPRESSOR START RELAY	1
36	M-COP-0200-220-1-60	COMPRESSOR OVERLOAD ROTECTOR	1
37	M-RUN-0325-220-1-60	RUN CAPACITOR	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-876	220V/1Ph/50Hz	AIR COOLED	RN175
02250193-845	208-230V/1Ph/60Hz	AIR COOLED	RN175

3.28 ED—RN 200

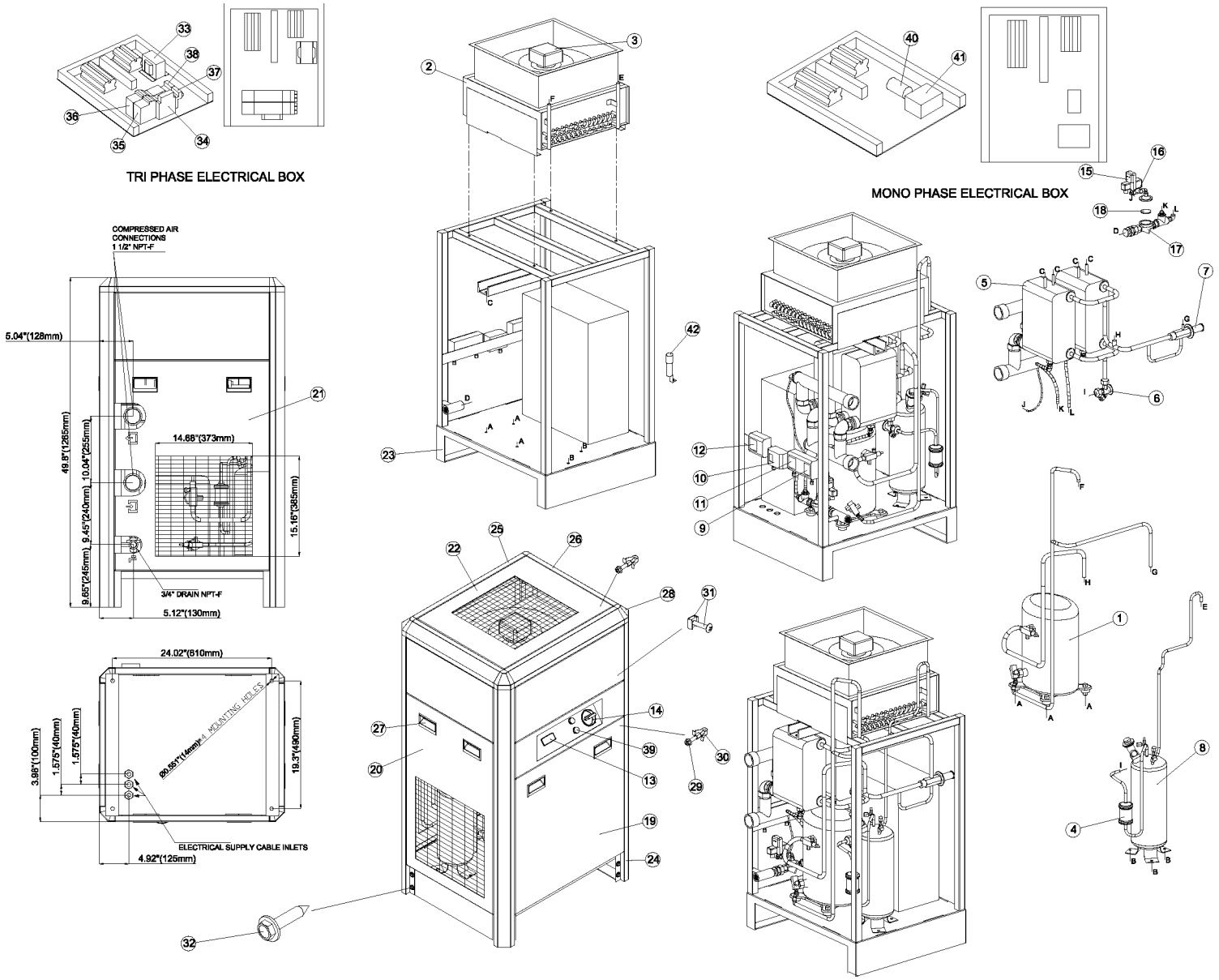

1 1/2" NPT
OUTLET
1 1/2" NPT
INLET
3/8" NPT
DRAIN
Ø10.5x4 MOUNTING HOLES
14.56"(310mm)
14.37"(365mm)
12.2"(310mm)

3.28 ED—RN 200

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0200-220-1-50-A	COMPRESSOR	1
2	M-CEB-0200-220-1-50	COMPRESSOR ELECTRIC BOX	
3	M-CON-0200	CONDENSOR	1
4	M-FMT-0200-220-1-50	FAN MOTOR ASSEMBLY	1
5	M-FAN-0200	FAN BLADE	1
6	M-GRL-0200	FAN GRILL	2
7	M-DRI-0200	DRIER DEHYDRATOR	1
8	M-EXC-0200	HEAT EXCHANGER	1
9	M-INL-0200	FLEXIBLE STEEL TUBE (INLET)	1
10	M-OTL-0200	FLEXIBLE STTEL TUBE (OUTLET)	1
11	TMR-3000	TIMER	1
12	M-SLV-0200-230	SOLENOID VALVE	1
13	M-EXV-0200	EXPANSION VALVE	1
14	M-BYY-0200	BY-PASS VALVE	1
15	M-HPS-0200	HIGH PRESSURE SWITCH	1
16	M-FNS-0200	FAN ON-OFF SWITCH	1
17	M-THG-0325	THERMOSTATIC GUAGE	1
18	M-ONB-0200	ON-OFF BUTTON	1
19	M-CFR-0200	CABINET FRONT	1
20	M-CLE-0200	CABINET SIDE-LEFT	2
21	M-CRI-0200	CABINET SIDE-RIGHT	
22	M-CRE-0200	CABINET REAR	1
23	M-CTO-0200	CABINET TOP	1
24	M-CBA-0200	CABINET BASE	1
25	M-CBL-0200	CABINET LEG	4
26	M-HP1-0200	CABINET HORIZONTAL PROFILE 1	2
27	M-HP2-0200	CABINET HORIZONTAL PROFILE 2	2
28	M-CTC-3000	CABINET TOP CORNER	8
29	M-CPS-3000	CABINET HANDLE	4
30	M-PDC-0200	PLASTIC DISPLAY COVER	12
31	M-SCR-200	SCREW TYPE 1	12
32	M-STU-3000	CABINET STUD AND NUT	12
33	M-FAS-3000	CABINET FASTENER	16
34	M-CSC-0200-220-1-60	COMPRESSOR START CAPACITOR	1
35	M-CSR-0200-220-1-60	COMPRESSOR START RELAY	1
36	M-COP-0200-220-1-60	COMPRESSOR OVERLOAD ROTECTOR	1
37	M-RUN-0200-220-1-60	RUN CAPACITOR	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-877	220V/1Ph/50Hz	AIR COOLED	RN200
02250193-846	208-230V/1Ph/60Hz	AIR COOLED	RN200

3.29 ED—RN 250


TRI PHASE ELECTRICAL BOX
MONO PHASE ELECTRICAL BOX
COMPRESSED AIR CONNECTIONS 1 1/2" NPT-F
5.04"(128mm)
49.8"(1265mm)
10.04"(255mm)
9.45"(240mm)
9.65"(245mm)
14.68"(373mm)
15.16"(385mm)
3/4" DRAIN NPT-F
5.12"(130mm)
24.02"(610mm)
3.98"(100mm)
1.575"(40mm)
1.575"(40mm)
Ø0.55"(14mm) 4 MOUNTING HOLES
19.3"(490mm)
ELECTRICAL SUPPLY CABLE INLETS
4.92"(125mm)

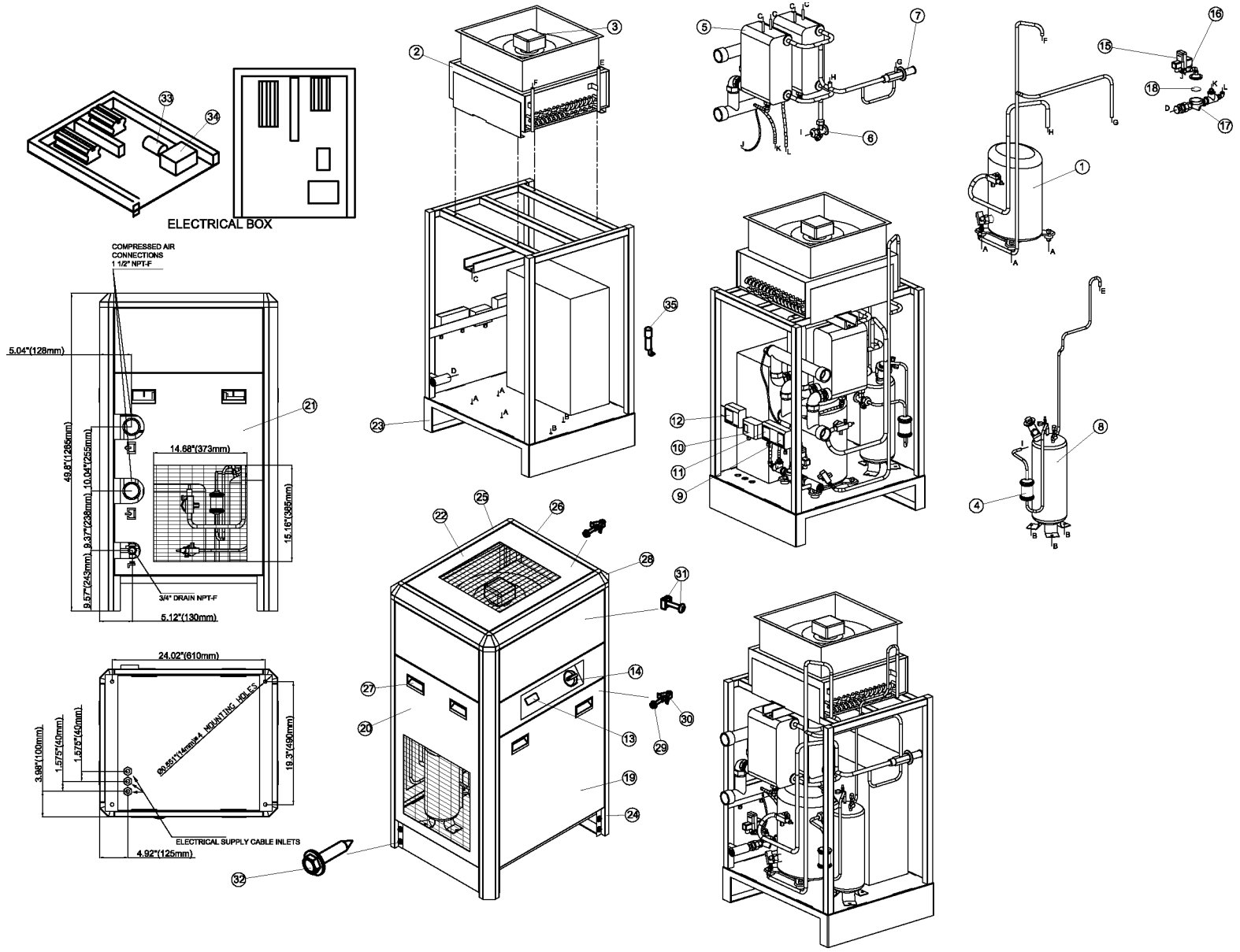
3.29 ED—RN 250

KEY	PART NUMBER	DESCRIPTION	QTY
1	SEE REF. TABLE	COMPRESSOR	1
2	M-CON-0325	CONDENSOR	1
3	SEE REF. TABLE	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER DEHYDRATOR	1
5	M-EXC-0125	HEAT EXCHANGER	2
6	M-EXV-0850	EXPANSION VALVE	1
7	M-BYY-1000	BY-PASS VALVE	1
8	M-RCV-0850	LIQUID RECEIVER	1
9	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
10	M-FNS-0400	FAN ON/OFF SWITCH	1
11	M-LPS-1000	LOW PRESSURE SWITCH	1
12	M-THS-0325	THERMOSTATIC SWITCH	1
13	M-THG-0325	THERMOSTATIC GUAGE	1
14	M-MNS-0700	MAIN SWITCH	1
15	M-TMR-3000	TIMER	1
16	M-SLV-0200-230	SOLENOID VALVE	1
17	M-MMV-3000	MEMBRANE VALVE	1
18	M-MMM-3000	MEMBRANE	1
19	M-CFR-0400	CABINET FRONT	1
20	M-CSI-0400	CABINET SIDE	2

KEY	PART NUMBER	DESCRIPTION	QTY
21	M-CRE-0400	CABINET REAR	1
22	M-CTO-0400	CABINET TOP	1
23	M-CBA-0400	CABINET BASE	1
24	M-CBL-0150	CABINET LEG	4
25	M-HP1-0400	CABINET HORIZONTAL PROFILE 1	2
26	M-HP2-0400	CABINET HORIZONTAL PROFILE 2	2
27	M-CPS-3000	CABINET HANDLE	8
28	M-CTC-3000	CABINET TOP CORNER	4
29	M-STU-3000	CABINET STUD AND NUT	12
30	M-FAS-3000	CABINET FASTENER	12
31	M-NUT-3000	CAGE NUT AND SCREW	12
32	M-SMS-3000	SCREW TYPE 2	16
33	SEE REF. TABLE	TRANSFORMER	1
34	SEE REF. TABLE	PHASE PROTECTION RELAY	1
35	SEE REF. TABLE	CONTACTOR	1
36	SEE REF. TABLE	FAN CONTACTOR	1
37	SEE REF. TABLE	COMPRESSOR OVERLOAD PROTECTOR	1
38	SEE REF. TABLE	FAN OVERLOAD PROTECTOR	1
39	SEE REF. TABLE	ON-OFF BUTTON	1
40	SEE REF. TABLE	COMPRESSOR START CAPACITOR	1
41	SEE REF. TABLE	COMPRESSOR START RELAY	1
42	SEE REF. TABLE	RUN CAPACITOR	1

DECAL	DRYER PART NUMBER	POWER RATINGS	COOLING	RUN CAPACITOR	COMP. START RELAY	COMP. START CAPACITOR	ON-OFF BUTTON	FAN OVERLOAD PROTECTOR	COMP. OVERLOAD PROTECTOR	FAN CONTACTOR	CONTACTOR	PHASE PROTECTION RELAY	TRANSFORMER	FAN MOTOR	COMPRESSOR
RN250	02250193-880	230V/3Ph/ 60Hz	AIR COOLED	N/A	N/A	N/A	M-ONB-3000	M-FOP-3000	M-COP-0250-230-3-60-A	M-FCN-1000	M-CNT-0400	M-PPR-1000	M-TRF-1000	M-FMT-0250-230-3-60-A	M-CMP-0250-230-3-60-A
RN250	02250193-847	208-230V/ 1Ph/60Hz	AIR COOLED	M-RUN-0250-230-1-60-A	M-STR-0250-230-1-60-A	M-CSC-0250-230-1-60-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	M-FMT-0250-230-1-60-A	M-CMP-0250-230-1-60-A
RN250	02250193-979	460V/3Ph/ 60Hz	AIR COOLED	N/A	N/A	N/A	M-ONB-3000	M-FOP-3000	M-COP-0250-460-3-60-A	M-FCN-1000	M-CNT-0400	M-PPR-1000	M-TRF-1000	M-FMT-0250-460-3-60-A	M-CMP-0250-460-3-60-A
RN250	02250193-134	575V/3Ph/ 60Hz	AIR COOLED	N/A	N/A	N/A	M-ONB-3000	M-FOP-3000	M-COP-0250-575-3-60-A	M-FCN-1000	M-CNT-0400	M-PPR-1000	M-TRF-1000	M-FMT-0250-575-3-60-A	M-CMP-0250-575-3-60-A
RN250	02250193-878	220V/1Ph/ 50Hz	AIR COOLED	M-RUN-0250-220-1-50-A	M-STR-0250-220-1-50-A	M-CSC-0250-220-1-50-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	M-FMT-0250-220-1-50-A	M-CMP-0250-220-1-50-A

3.30 ED—RN 325 (230)



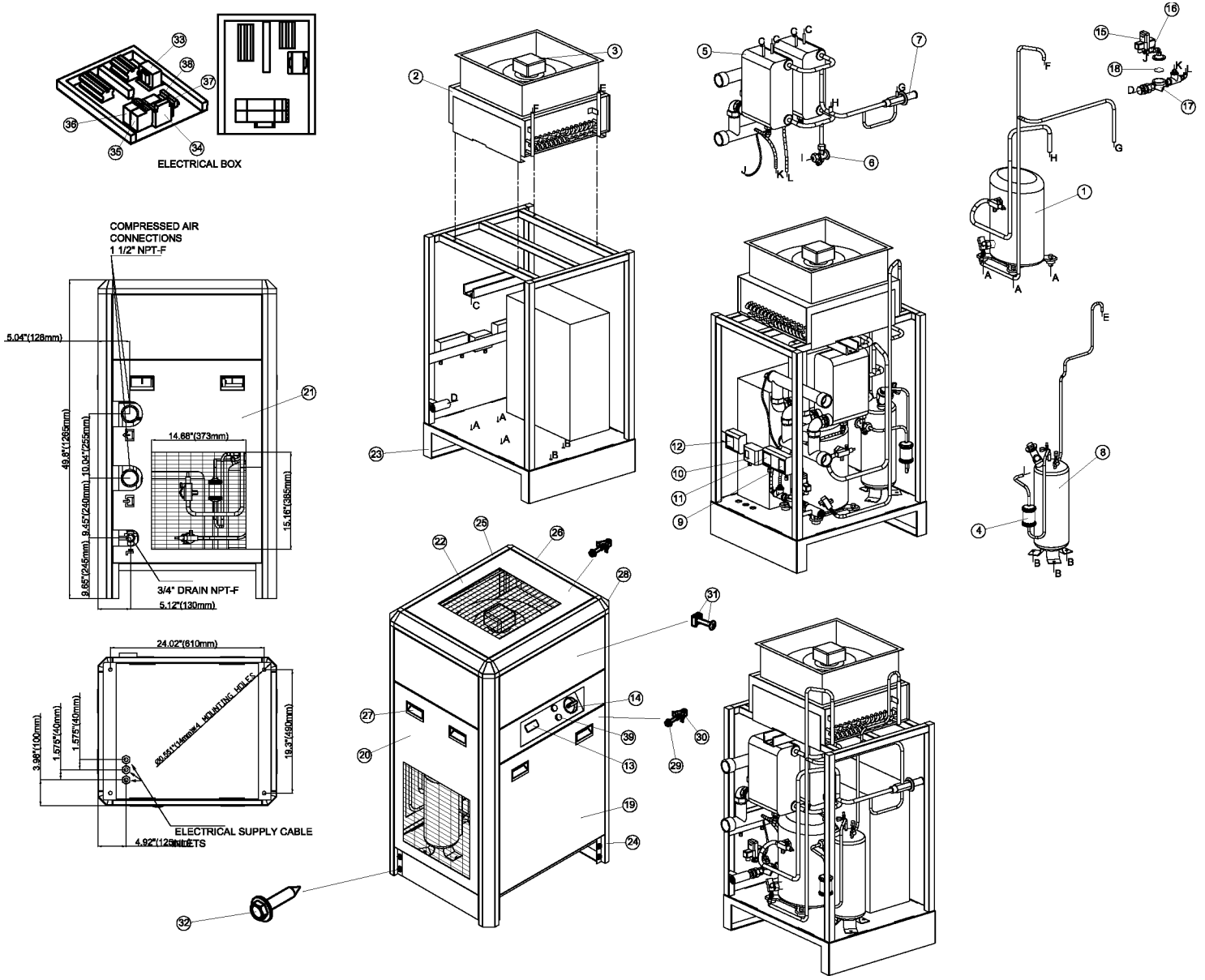
3.30 ED—RN 325 (230)

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0325-460-3-60-A	COMPRESSOR	1
2	M-CON-0325	CONDENSOR	1
3	M-FMT-0700-460-3-60	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	1
6	M-EXV-0850	EXPANSION VALVE	1
7	M-BYY-1000	BY-PASS VALVE	1
8	M-RCV-0850	LIQUID RECEIVER	1
9	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
10	M-FNS-0400	FAN ON/OFF SWITCH	1
11	M-LPS-1000	LOW PRESSURE SWITCH	1
12	M-THS-0325	THERMOSTATIC SWITCH	1
13	M-THG-0325	THERMOSTATIC GUAGE	1
14	M-MNS-0700	MAIN SWITCH	1
15	M-TMR-3000	TIMER	1
16	M-SLV-3000-24	SOLENOID VALVE	1
17	M-MMV-3000	MEMBRANE VALVE	1
18	M-MMM-3000	MEMBRANE	1
19	M-CFR-0400	CABINET FRONT	1
20	M-CLE-0400	CABINET SIDE	2
21	M-CRE-0400	CABINET REAR	1
22	M-CTO-0400	CABINET TOP	1
23	M-CBA-0400	CABINET BASE	1
24	M-CBL-0400	CABINET LEG	4
25	M-HP1-0400	CABINET HORIZONTAL PROFILE 1	2
26	M-HP2-0400	CABINET HORIZONTAL PROFILE 2	2
27	M-CPS-3000	CABINET HANDLE	8
28	M-CTC-3000	CABINET TOP CORNER	4
29	M-STU-3000	CABINET STUD AND NUT	12
30	M-FAS-3000	CABINET FASTENER	12
31	M-NUT-3000	CAGE NUT AND SCREW	16
32	M-SCR-3000	SCREW TYPE 2	16

KEY	PART NUMBER	DESCRIPTION	QTY
33	M-COP-0325-460-3-60-A	COMPRESSOR START CAPACITOR	1
34	M-STR-0325-230-60	COMPRESSOR START RELAY	1
35	M-RUN-0325-230-60	RUN CAPACITOR	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-848	208-230V/1Ph/60Hz	AIR COOLED	RN325
02250193-980	460V/3Ph/60Hz	AIR COOLED	RN325
02250193-135	575V/3Ph/60Hz	AIR COOLED	RN325
02250193-879	575V/3Ph/60hZ	AIR COOLED	RN325

3.31 ED—RN 325 (460)



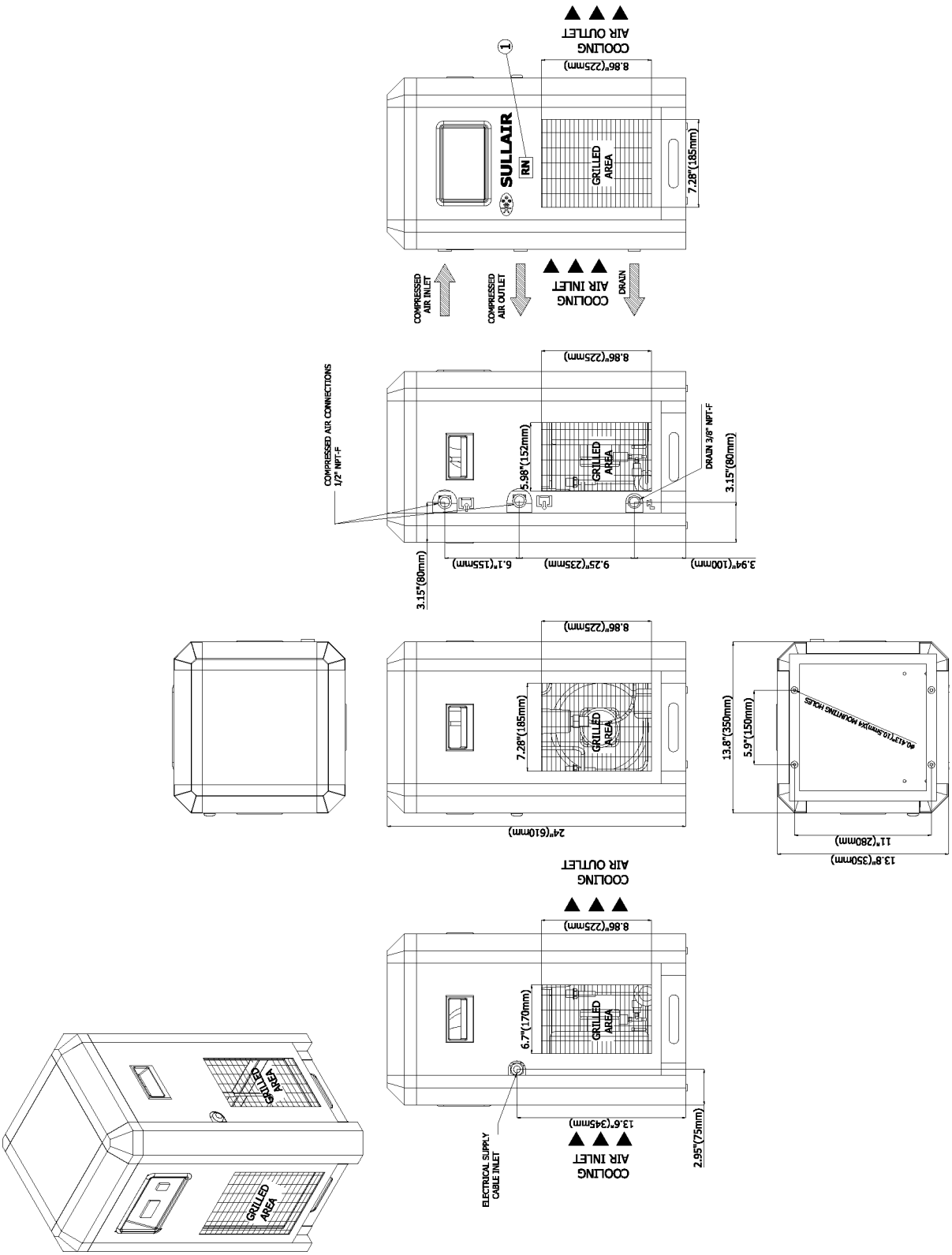
3.31 ED—RN 325 (460)

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0325-460-3-60-A	COMPRESSOR	1
2	M-CON-0325	CONDENSOR	1
3	M-FMT-0700-460-3-60	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	1
6	M-EXV-0850	EXPANSION VALVE	1
7	M-BYY-1000	BY-PASS VALVE	1
8	M-RCV-0850	LIQUID RECEIVER	1
9	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
10	M-FNS-0400	FAN ON/OFF SWITCH	1
11	M-LPS-1000	LOW PRESSURE SWITCH	1
12	M-THS-0325	THERMOSTATIC SWITCH	1
13	M-THG-0325	THERMOSTATIC GUAGE	1
14	M-MNS-0700	MAIN SWITCH	1
15	M-TMR-3000	TIMER	1
16	M-SLV-3000-24	SOLENOID VALVE	1
17	M-MMV-3000	MEMBRANE VALVE	1
18	M-MMM-3000	MEMBRANE	1
19	M-CFR-0400	CABINET FRONT	1
20	M-CLE-0400	CABINET SIDE	1
21	M-CRE-0400	CABINET REAR	1
22	M-CTO-0400	CABINET TOP	1
23	M-CBA-0400	CABINET BASE	1
24	M-CBL-0400	CABINET LEG	4
25	M-HP1-0400	CABINET HORIZONTAL PROFILE 1	2
26	M-HP2-0400	CABINET HORIZONTAL PROFILE 2	2
27	M-CPS-3000	CABINET HANDLE	8
28	M-CTC-3000	CABINET TOP CORNER	4
29	M-STU-3000	CABINET STUD AND NUT	12
30	M-FAS-3000	CABINET FASTENER	12
31	M-NUT-3000	CAGE NUT AND SCREW	16
32	M-SCR-3000	SCREW TYPE 2	16

KEY	PART NUMBER	DESCRIPTION	QTY
33	M-TRF-1000	TRANSFORMER	1
34	M-PPR-1000	PHASE PROTECTION RELAY	1
35	M-CNT-0400	CONTACTOR	1
36	M-FCN-1000	FAN CONTACTOR	1
37	M-COP-0325-460-3-60-A	COMPRESSOR OVERLOAD PROTECTOR	1
38	M-FOP-3000	FAN OVERLOAD PROTECTOR	1
39	M-ONB-3000	ON-OFF BUTTON	1

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-848	208-230V/1Ph/60Hz	AIR COOLED	RN325
02250193-980	460V/3Ph/60Hz	AIR COOLED	RN325
02250193-135	575V/3Ph/60Hz	AIR COOLED	RN325
02250193-879	575V/3Ph/60hZ	AIR COOLED	RN325

3.32 ID—RN5-15

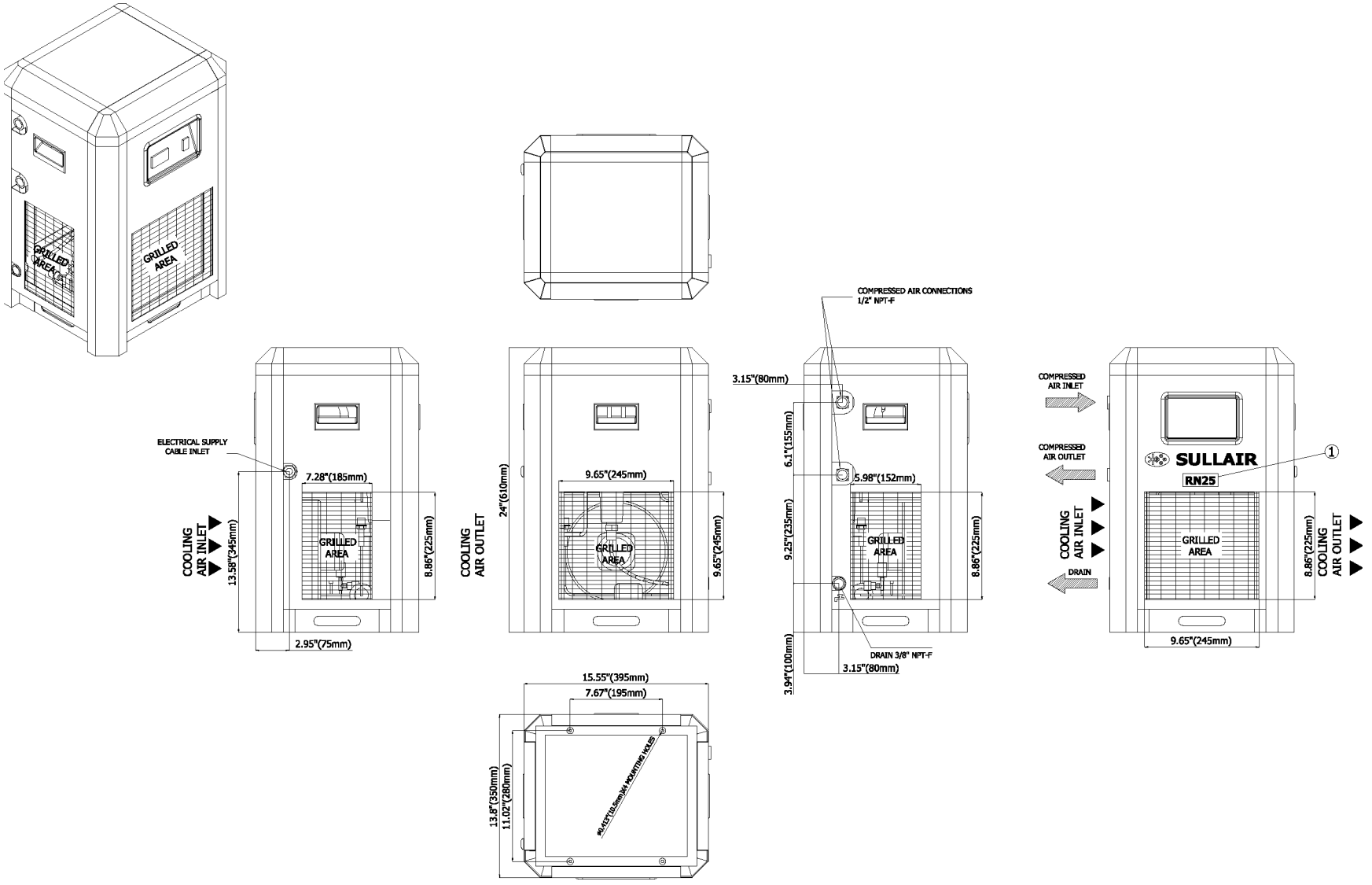

COOLING AIR OUTLET
8.86"(225mm)
SULLAIR
RN
GRILLED AREA
7.28"(185mm)
COMPRESSED AIR INLET
COMPRESSED AIR OUTLET
DRAIN
COOLING AIR INLET
COMPRESSED AIR CONNECTIONS 1/2" NPT-F
5.98"(152mm)
DRAIN 3/8" NPT-F
3.15"(80mm)
3.94"(100mm)
9.25"(235mm)
6.1"(155mm)
13.8"(350mm)
5.9"(150mm)
Ø0.413"(10.5mm)X4 MOUNTING HOLES
11"(280mm)
24"(610mm)
6.7"(170mm)
13.6"(345mm)
2.95"(75mm)
ELECTRICAL SUPPLY CABLE INLET

3.32 ID—RN5-15

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-807	115V/1Ph/60Hz	AIR COOLED	RN5
02250193-809	115V/1Ph/60Hz	AIR COOLED	RN10
02250193-810	115V/1Ph/60Hz	AIR COOLED	RN15
02250193-869	220V/1Ph/50Hz	AIR COOLED	RN15

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT
13.8” x 13.8” x 24” 350mm x 350mm x 610mm	17.52” x 17.52” x 31.5” 445mm x 445mm x 800mm	85 LB	70.5 LB

3.33 ID—RN25

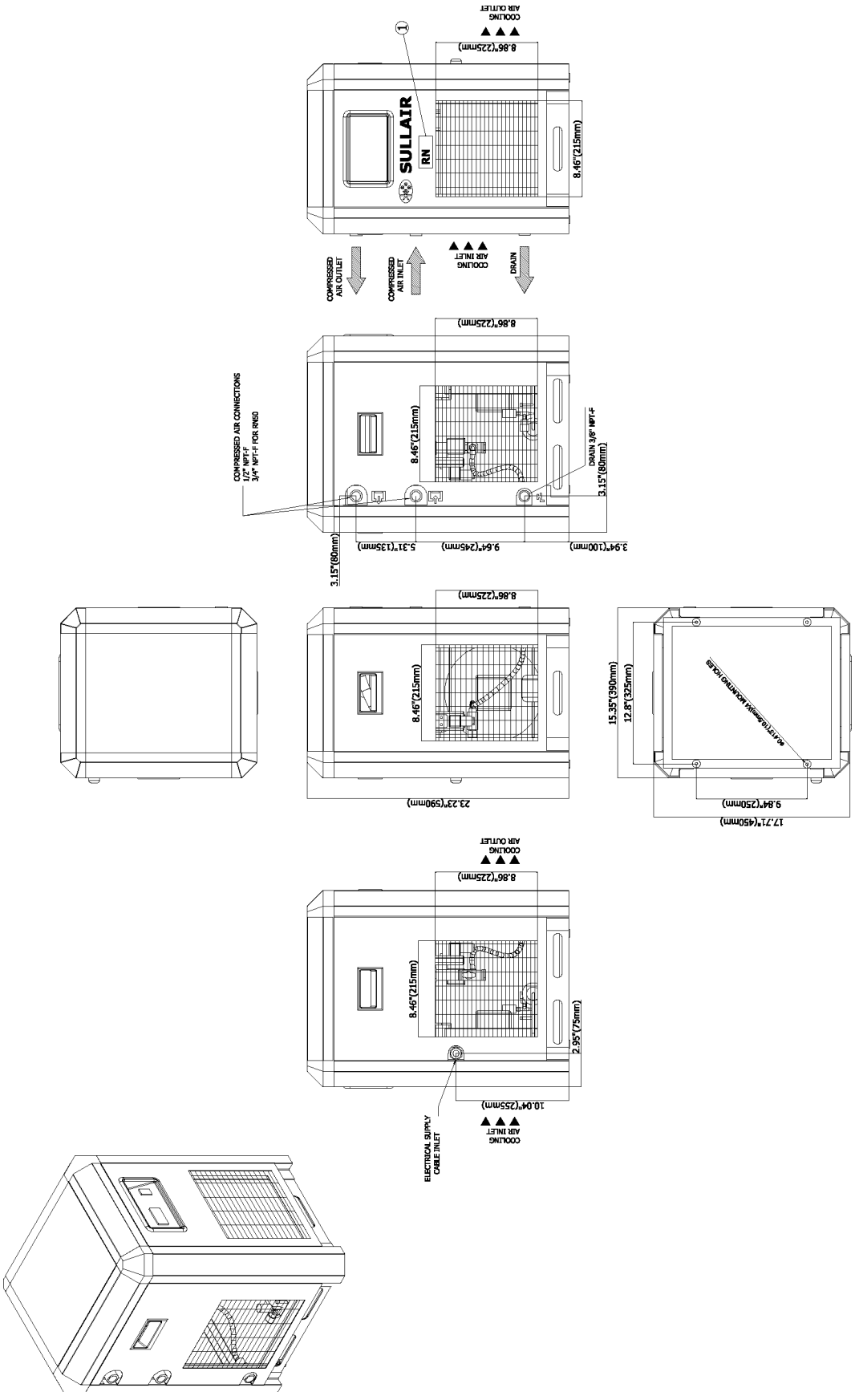

GRILLED AREA
GRILLED AREA
ELECTRICAL SUPPLY CABLE INLET
7.28"(185mm)
COOLING AIR INLET
13.58"(345mm)
GRILLED AREA
8.86"(225mm)
2.95"(75mm)
24"(610mm)
COOLING AIR OUTLET
9.65"(245mm)
GRILLED AREA
9.65"(245mm)
15.55"(395mm)
7.67"(195mm)
13.8"(350mm)
11.02"(280mm)
COMPRESSED AIR CONNECTIONS 1/2" NPT-F
3.15"(80mm)
6.1"(155mm)
5.98"(152mm)
9.25"(235mm)
GRILLED AREA
8.86"(225mm)
DRAIN 3/8" NPT-F
3.94"(100mm)
3.15"(80mm)
COMPRESSED AIR INLET
COMPRESSED AIR OUTLET
SULLAIR
RN25
1
COOLING AIR INLET
DRAIN
GRILLED AREA
8.86"(225mm)
COOLING AIR OUTLET
9.65"(245mm)

3.33 ID—RN25

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-812	115V/1Ph/60Hz	AIR COOLED	RN25
02250193-870	220V/1Ph/50Hz	AIR COOLED	RN25
02250193-835	208/230V/1Ph/60Hz	AIR COOLED	RN25

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT
15.55” x 13.8” x 24” 350mm x 395mm x 610mm	17.52” x 18.9” x 31.5” 445mm x 480mm x 800mm	95 LB	74 LB

3.34 ID—RN35/50

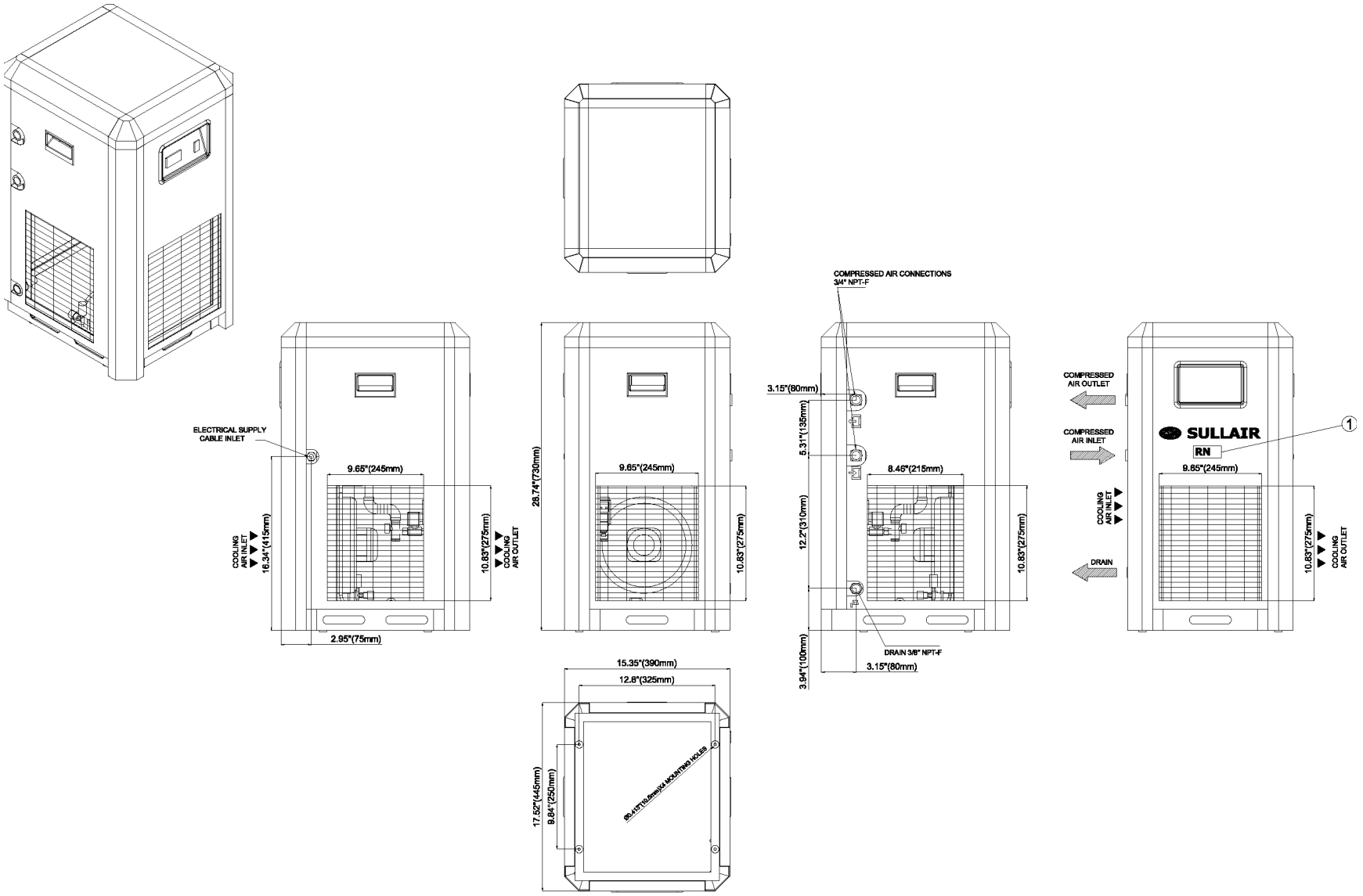


3.34 ID—RN35/50

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-813	115V/1Ph/60Hz	AIR COOLED	RN35
02250193-836	208-230V/1Ph/60Hz	AIR COOLED	RN35
02250193-871	220V/1Ph/50Hz	AIR COOLED	RN35
02250193-814	115V/1Ph/60Hz	AIR COOLED	RN50
02250193-838	208-230V/1Ph/60Hz	AIR COOLED	RN50
02250193-872	220V/1Ph/50Hz	AIR COOLED	RN50

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT
15.35” x 17.71” x 23.23” 390mm x 450mm x 590mm	19.23” x 21.26” x 30.7” 490mm x 540mm x 780mm	109 LB	94 LB

3.35 ID—RN75-100

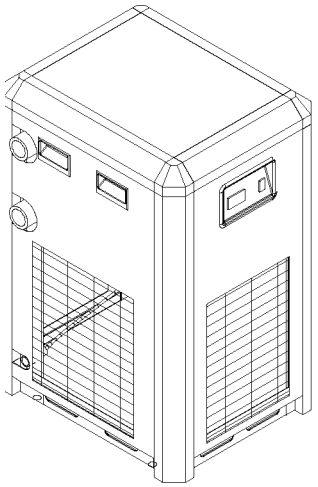


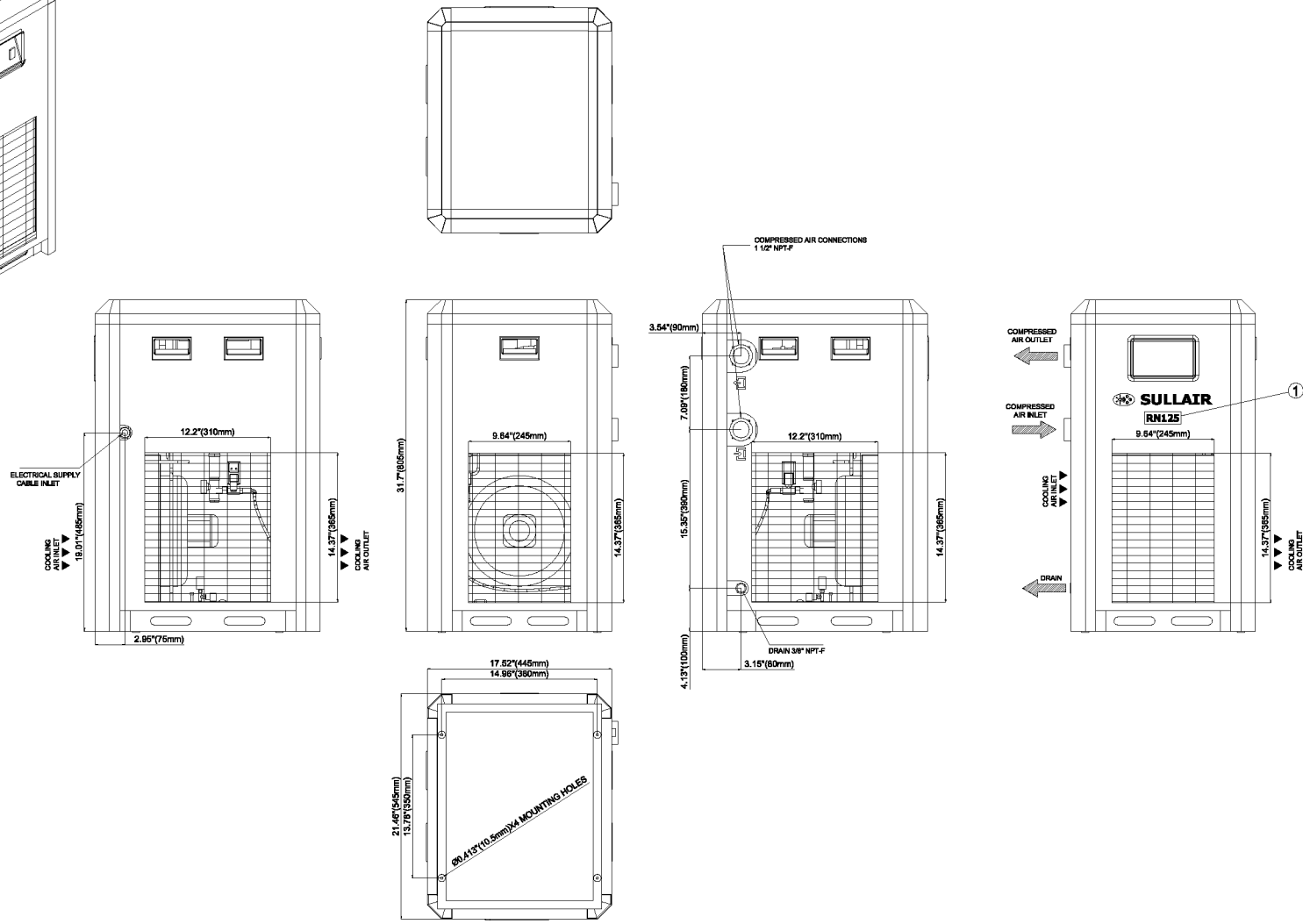
3.35 ID—RN75-100

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-815	115V/1Ph/60Hz	AIR COOLED	RN75
02250193-839	208-230V/1Ph/60Hz	AIR COOLED	RN75
02250193-873	220V/1Ph/50Hz	AIR COOLED	RN75
02250193-816	115V/1Ph/60Hz	AIR COOLED	RN100
02250193-841	208-230V/1Ph/60Hz	AIR COOLED	RN100
02250193-874	220V/1Ph/50Hz	AIR COOLED	RN100

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT	DRYER
15.35” x 17.52” x 28.74” 390mm x 445mm x 730mm	19.01” x 21.26” x 36.22” 485mm x 540mm x 920mm	165 LB	145 LB	RN100
		143 LB	125 LB	RN75

3.36 ID—RN125



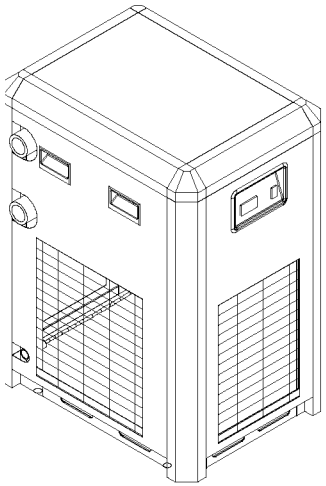

12.2"(310mm)
ELECTRICAL SUPPLY CABLE INLET
COOLING AIR INLET
19.01"(485mm)
14.37"(365mm)
COOLING AIR OUTLET
2.95"(75mm)
31.7"(805mm)
9.64"(245mm)
14.37"(365mm)
17.52"(445mm)
14.96"(380mm)
21.46"(545mm)
13.78"(350mm)
Ø0.413"(10.5mm)X4 MOUNTING HOLES
COMPRESSED AIR CONNECTIONS 1 1/2" NPT-F
3.54"(90mm)
7.09"(180mm)
12.2"(310mm)
15.35"(390mm)
14.37"(365mm)
DRAIN 3/8" NPT-F
4.13"(105mm)
3.15"(80mm)
COMPRESSED AIR OUTLET
COMPRESSED AIR INLET
SULLAIR
RN125
1
9.64"(245mm)
COOLING AIR INLET
DRAIN
14.37"(365mm)
COOLING AIR OUTLET

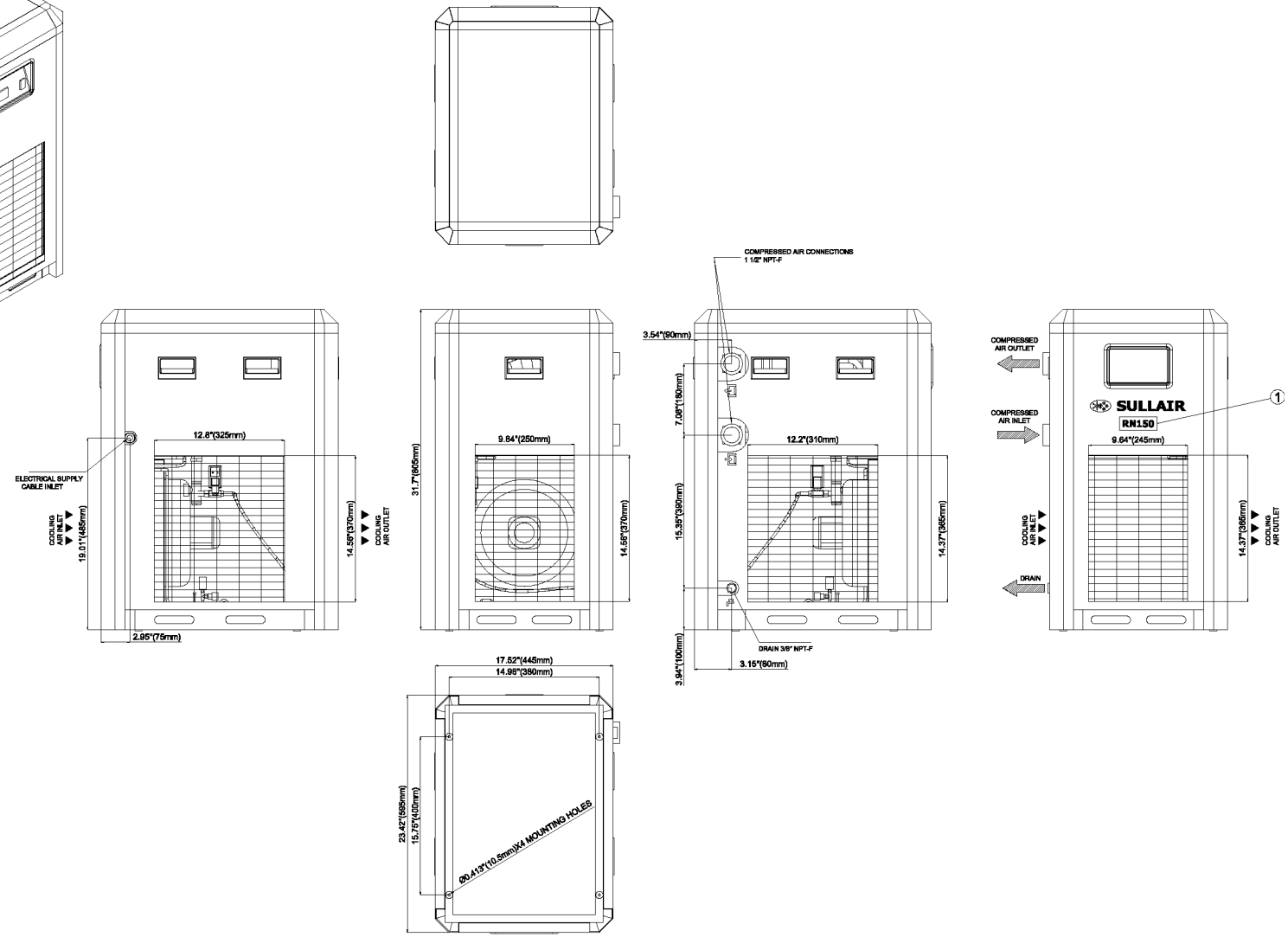
3.36 ID—RN125

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-817	115V/1Ph/60Hz	AIR COOLED	RN125
02250193-842	208-230V/1Ph/60Hz	AIR COOLED	RN125
02250193-875	220V/1Ph/50Hz	AIR COOLED	RN125

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT
17.52” x 21.46” x 31.7” 445mm x 545mm x 805mm	21.65” x 25.2” x 38.98” 550mm x 640mm x 990mm	197 LB	176 LB

3.37 ID—RN150



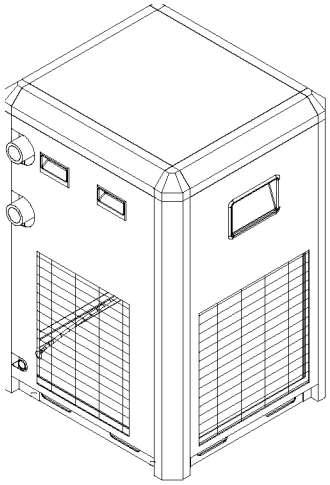

12.8"(325mm)
ELECTRICAL SUPPLY CABLE INLET
COOLING AIR INLET
19.01"(485mm)
14.56"(370mm)
COOLING AIR OUTLET
2.95"(75mm)
31.7"(805mm)
9.84"(250mm)
14.56"(370mm)
17.52"(445mm)
14.96"(380mm)
23.42"(595mm)
15.75"(400mm)
Ø0.413"(10.5mm)X4 MOUNTING HOLES
COMPRESSED AIR CONNECTIONS
1 1/2" NPT-F
3.54"(90mm)
7.09"(180mm)
12.2"(310mm)
15.35"(390mm)
14.37"(365mm)
DRAIN 3/8" NPT-F
3.94"(100mm)
3.15"(80mm)
COMPRESSED AIR OUTLET
COMPRESSED AIR INLET
SULLAIR
RN150
1
9.64"(245mm)
COOLING AIR INLET
DRAIN
14.37"(365mm)
COOLING AIR OUTLET

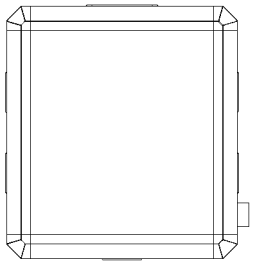
3.37 ID—RN150

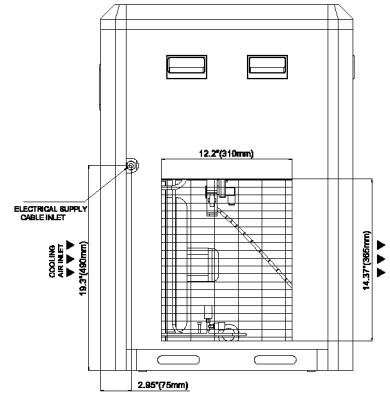
DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-818	115V/1Ph/60Hz	AIR COOLED	RN150
02250193-843	208-230V/1Ph/60Hz	AIR COOLED	RN150

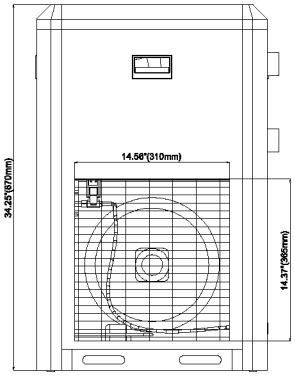
WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT
17.52” x 23.42” x 31.7” 445mm x 595mm x 805mm	21.26” x 26.77” x 39.37” 540mm x 680mm x 1000mm	215 LB	194 LB

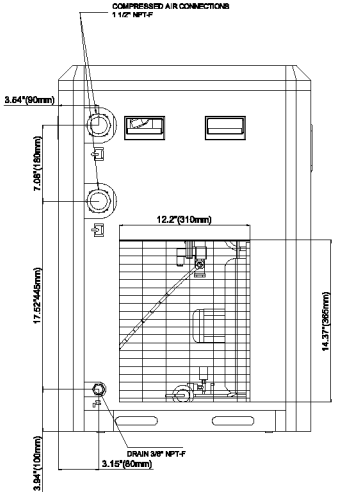
3.38 ID—RN175-200

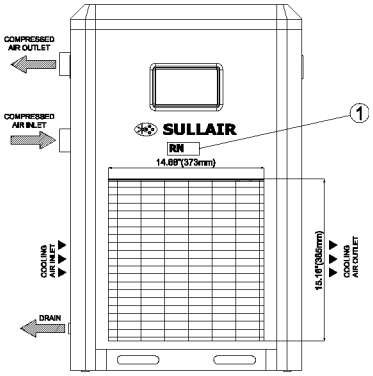


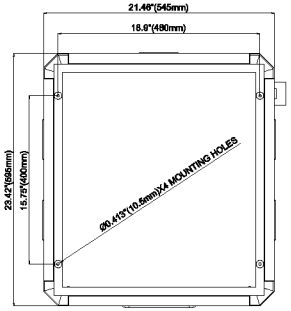








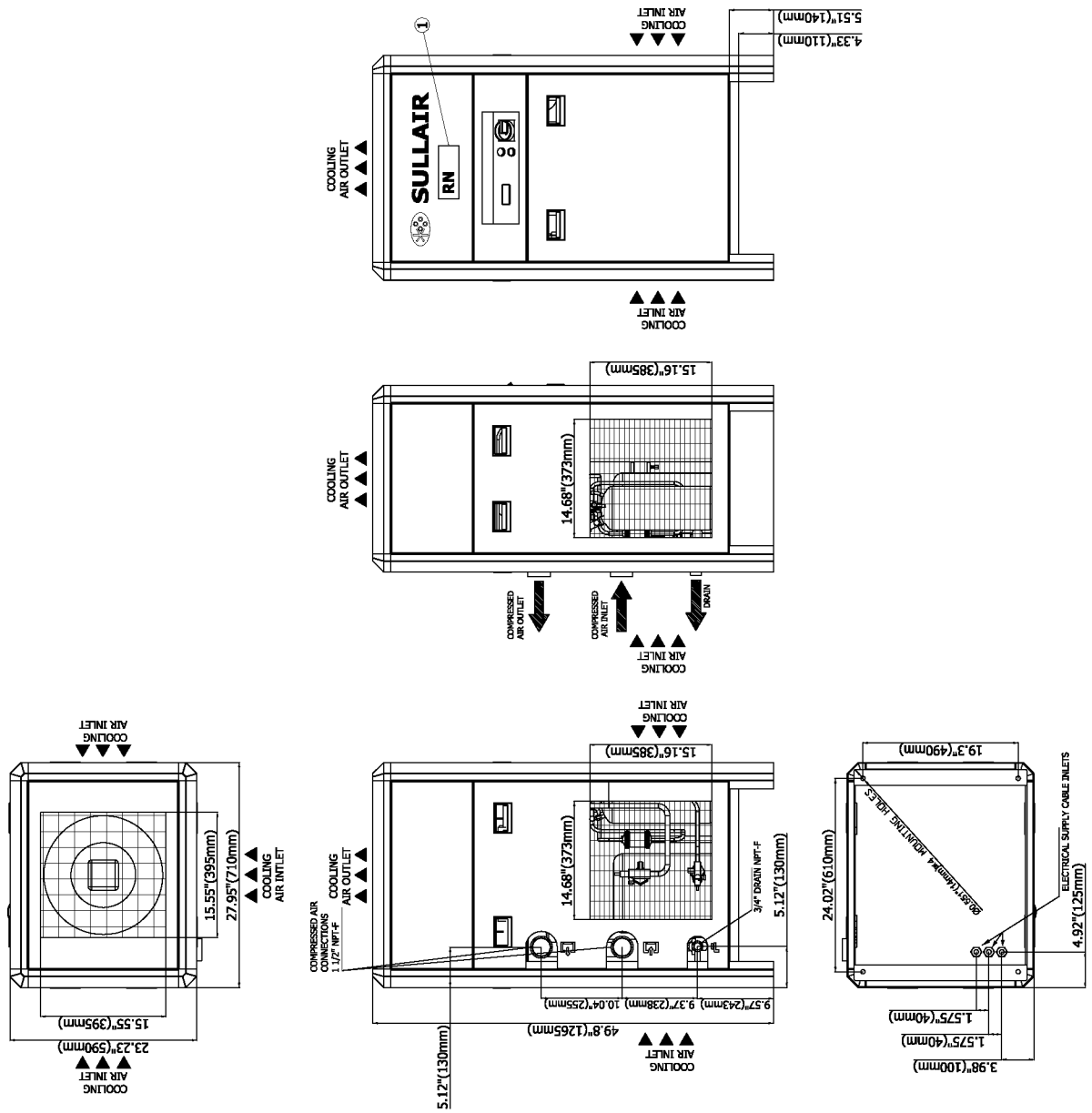




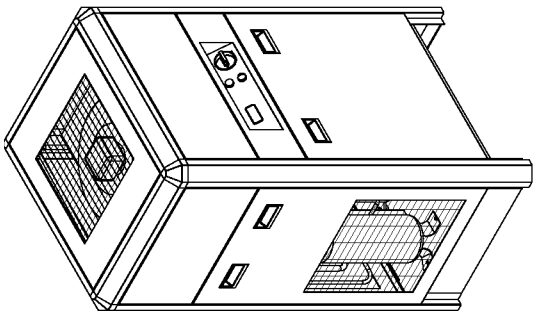
3.38 ID—RN175-200

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-876	220V/1Ph/50Hz	AIR COOLED	RN175
02250193-845	208-230V/1Ph/60Hz	AIR COOLED	RN175
02250193-877	220V/1Ph/50Hz	AIR COOLED	RN200
02250193-846	208-230V/1Ph/60Hz	AIR COOLED	RN200

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT
21.46” x 23.42” x 34.25” 545mm x 595mm x 870mm	25.6” x 27.56” x 41.34” 650mm x 700mm x 1050mm	242.5 LB	217 LB



3.39 ID—RN250-400

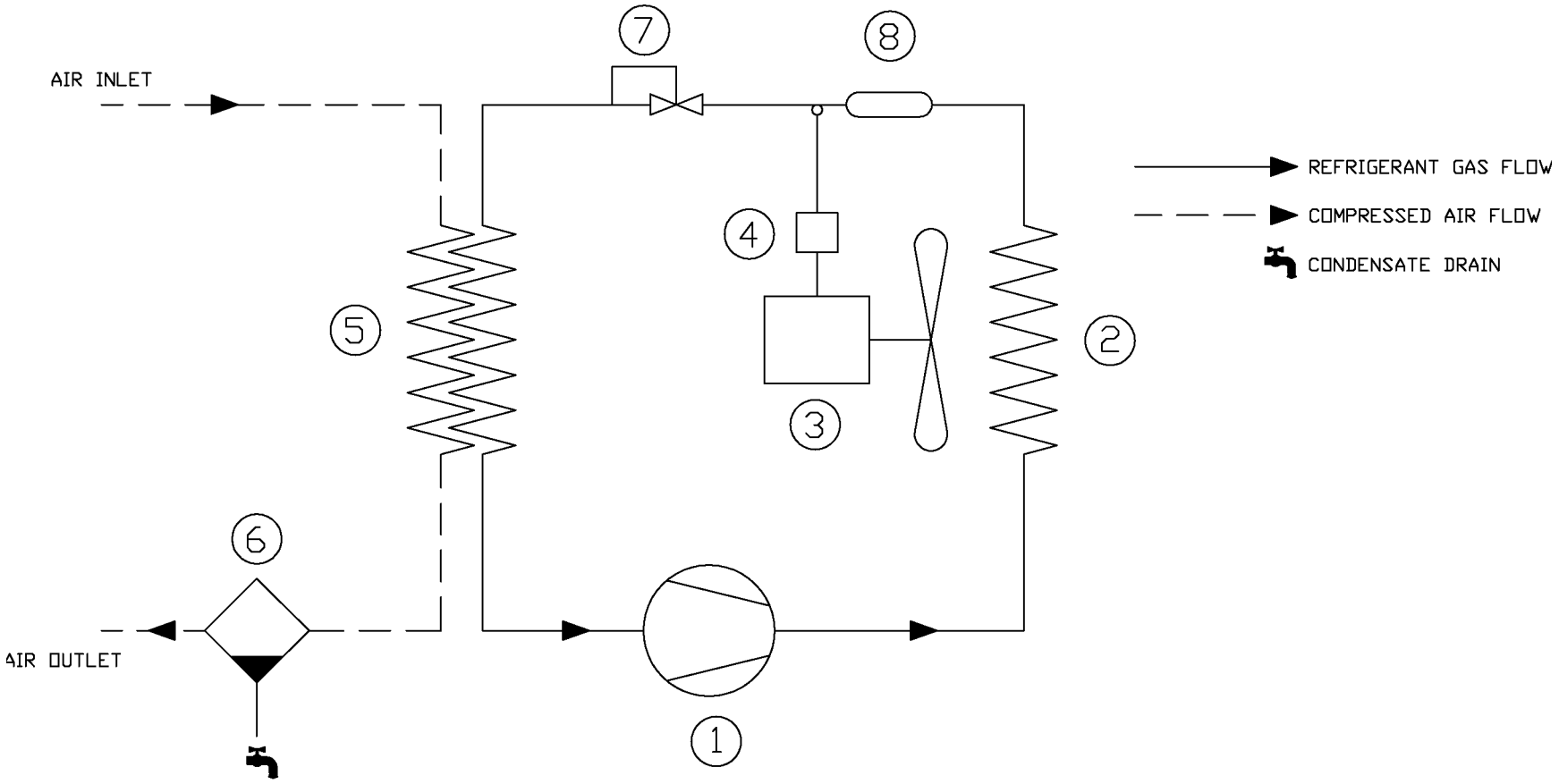


3.39 ID—RN250-400

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-880	230V/3Ph/60Hz	AIR COOLED	RN250
02250193-847	208-230V/1Ph/60Hz	AIR COOLED	RN250
02250193-979	460V/3Ph/60Hz	AIR COOLED	RN250
02250193-134	575V/3Ph/60Hz	AIR COOLED	RN250
02250193-878	220V/1Ph/50Hz	AIR COOLED	RN250
02250193-848	208-230V/1Ph/60Hz	AIR COOLED	RN325
02250193-980	460V/3Ph/60Hz	AIR COOLED	RN325
02250193-135	575V/3Ph/60Hz	AIR COOLED	RN325
02250193-879	575V/3Ph/60Hz	AIR COOLED	RN325
02250193-849	230V/3Ph/60Hz	AIR COOLED	RN400
02250193-917	400V/3Ph/50Hz	AIR COOLED	RN400
02250193-981	460V/3Ph/60Hz	AIR COOLED	RN400
02250193-136	575V/3Ph/60Hz	AIR COOLED	RN400

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT	DRYER
23.23” x 27.98” x 49.8” 590mm x 710mm x 1265mm	26.38” x 30.32” x 56.3” 670mm x 770mm x 1430mm	525 LB	507 LB	RD400
		494 LB	463 LB	RN325
		465 LB	436.5 LB	RN250

3.40 P&I—RN5-10-15-25



02250195-288

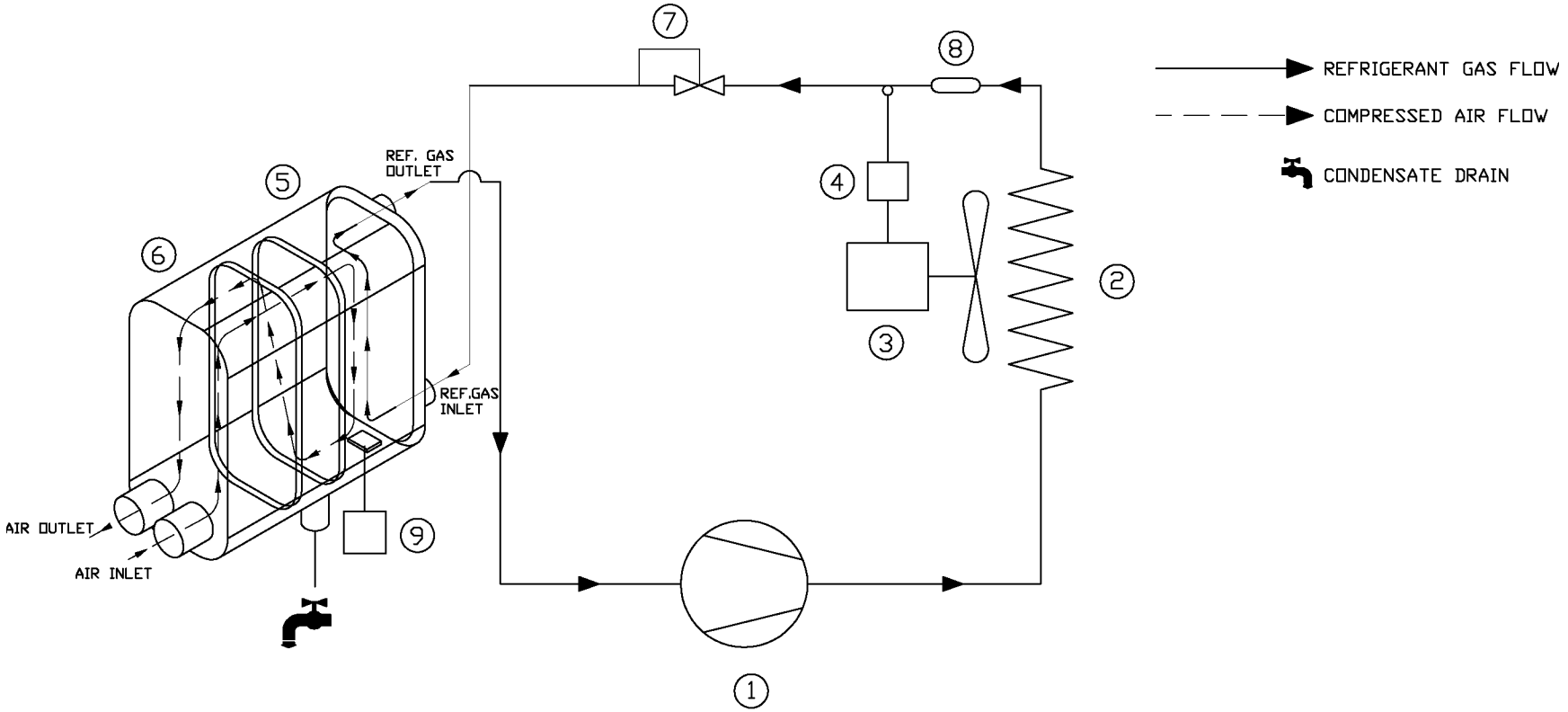
3.40 P&I—RN250-400

KEY	DESCRIPTION
1	COMPRESSOR
2	REFRIGERANT CONDENSOR
3	FAN MOTOR
4	FAN MOTOR SWITCH
5	AIR/FREON HEAT EXCHANGER
6	SEPARATOR
7	PRESSURE REGULATOR
8	DEHYDRATOR

MODEL	REFRIGERANT TYPE	LB
RN5	R134A	0.617
RN10		0.617
RN15		0.661
RN25		0.705

NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION

3.41 P&I—RN35-75



02250195-289

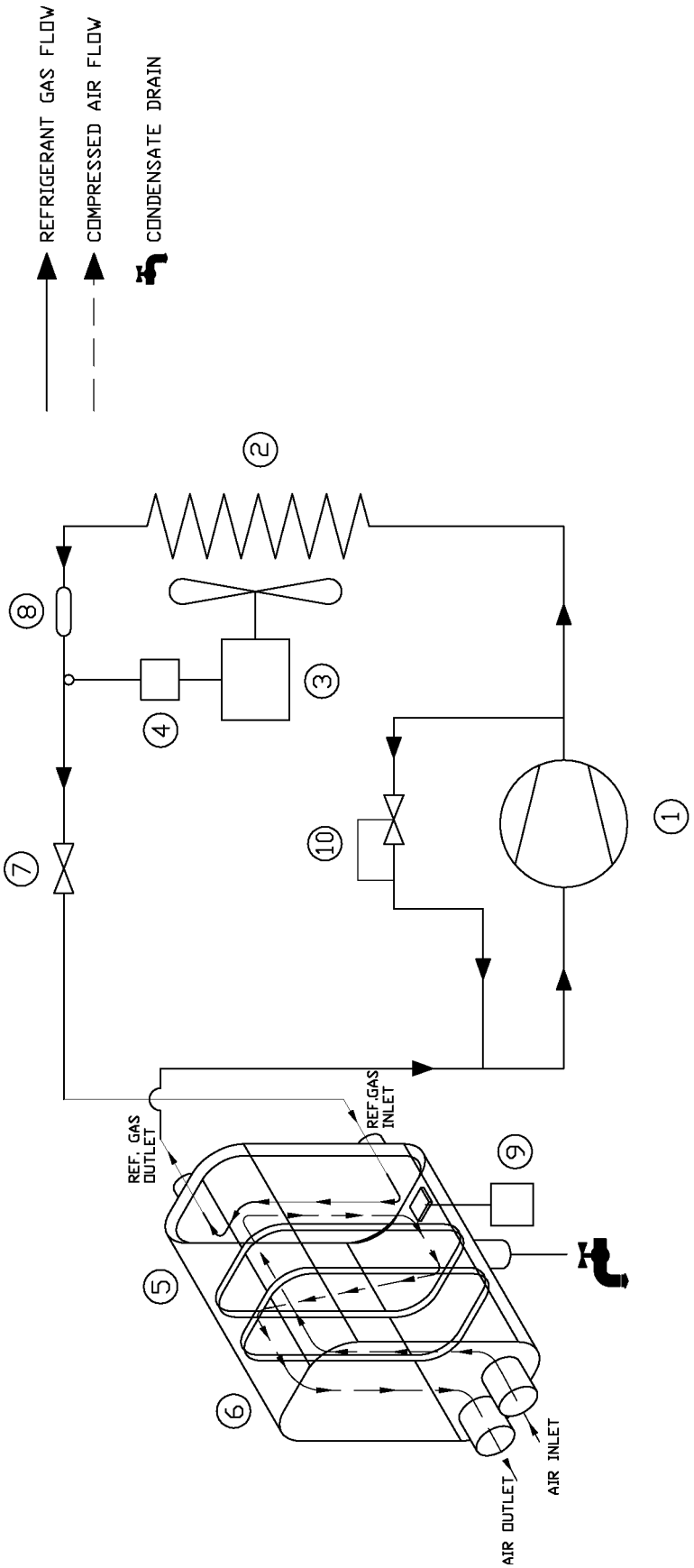
3.41 P&I—RN35-75

KEY	DESCRIPTION
1	COMPRESSOR
2	REFRIGERANT CONDENSOR
3	FAN MOTOR
4	FAN MOTOR SWITCH
5	EVAPORATOR
6	AIR-AIR EXCHANGER
7	PRESSURE REGULATOR
8	DEHYDRATOR
9	DEW POINT INDICATOR

MODEL	REFRIGERANT TYPE	LB
RN35	R134A	0.881
RN50		0.881
RN75		1.102

NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION

3.42 P&I—RN100-200



02250195-290

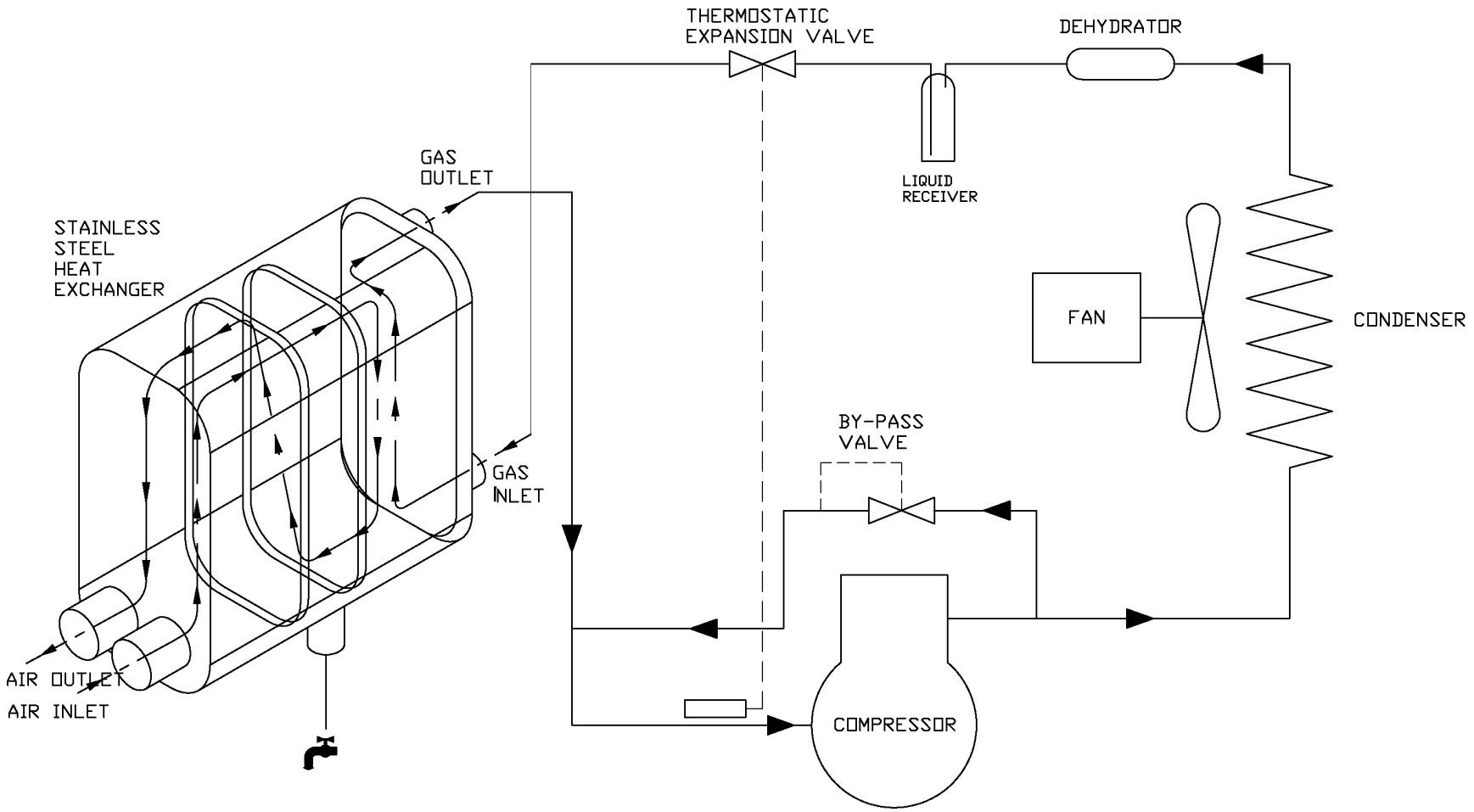
3.42 P&I—RN100-200

KEY	DESCRIPTION
1	COMPRESSOR
2	REFRIGERANT CONDENSOR
3	FAN MOTOR
4	FAN MOTOR SWITCH
5	EVAPORATOR
6	AIR-AIR EXCHANGER
7	PRESSURE REGULATOR
8	DEHYDRATOR
9	DEW POINT INDICATOR
10	BY-PASS VALVE

MODEL	REFRIGERANT TYPE	LB
RN100	R134A	1.543
RN125		2.866
RN150		2.866
RN175		2.866
RN200		2.866

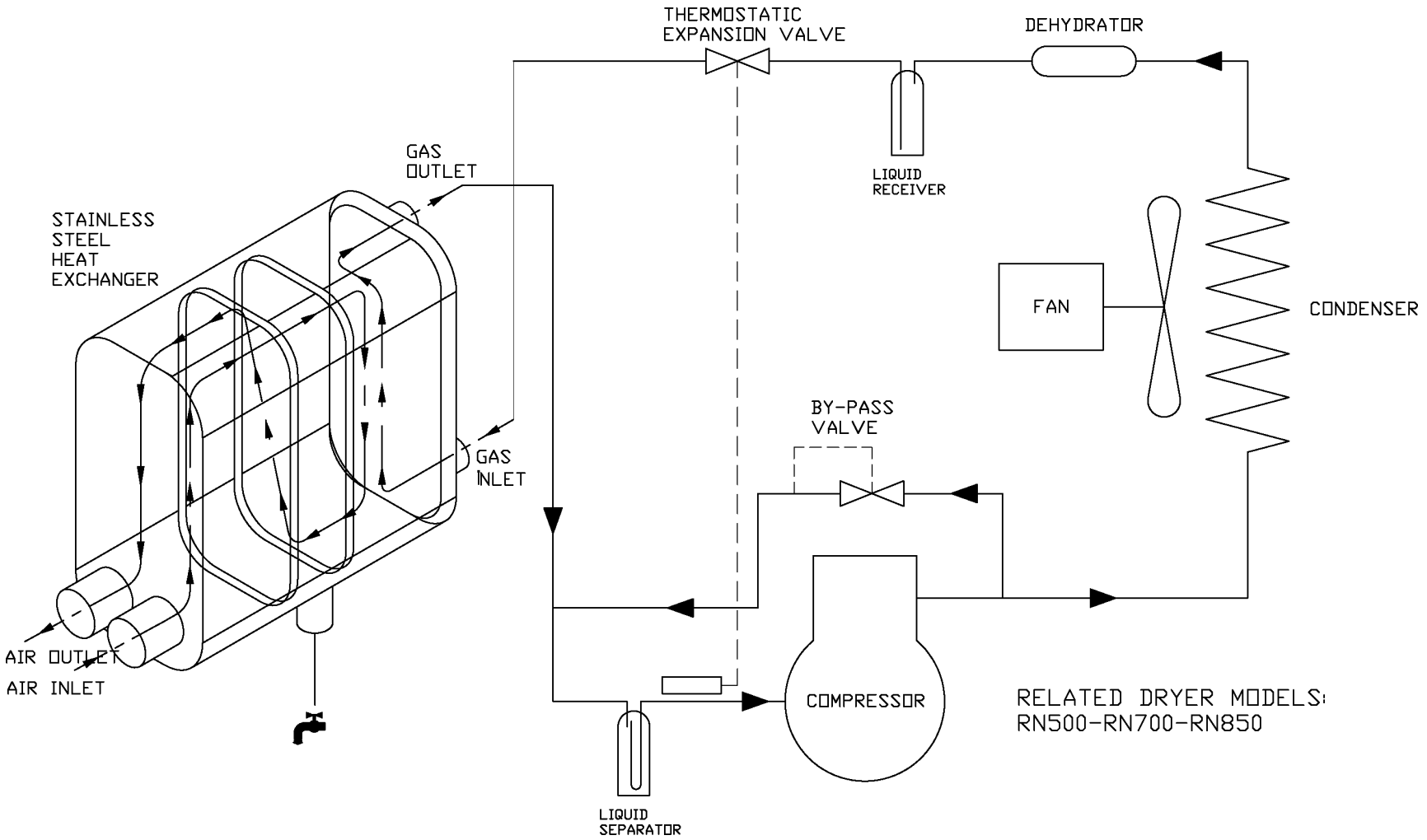
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION

3.43 P&I—RN250-325



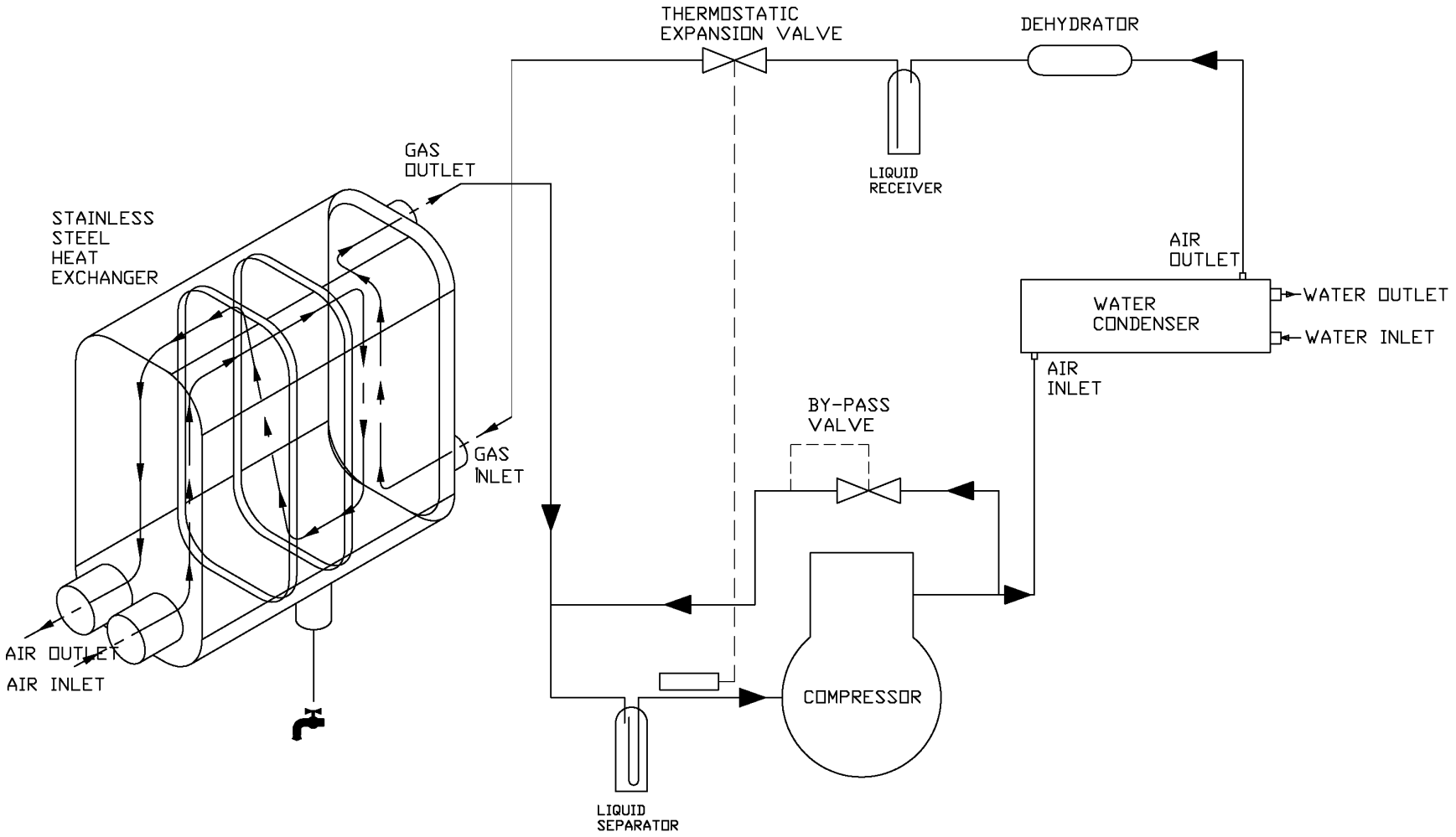
02250195-291

3.44 P&I—RD400-500-700-850



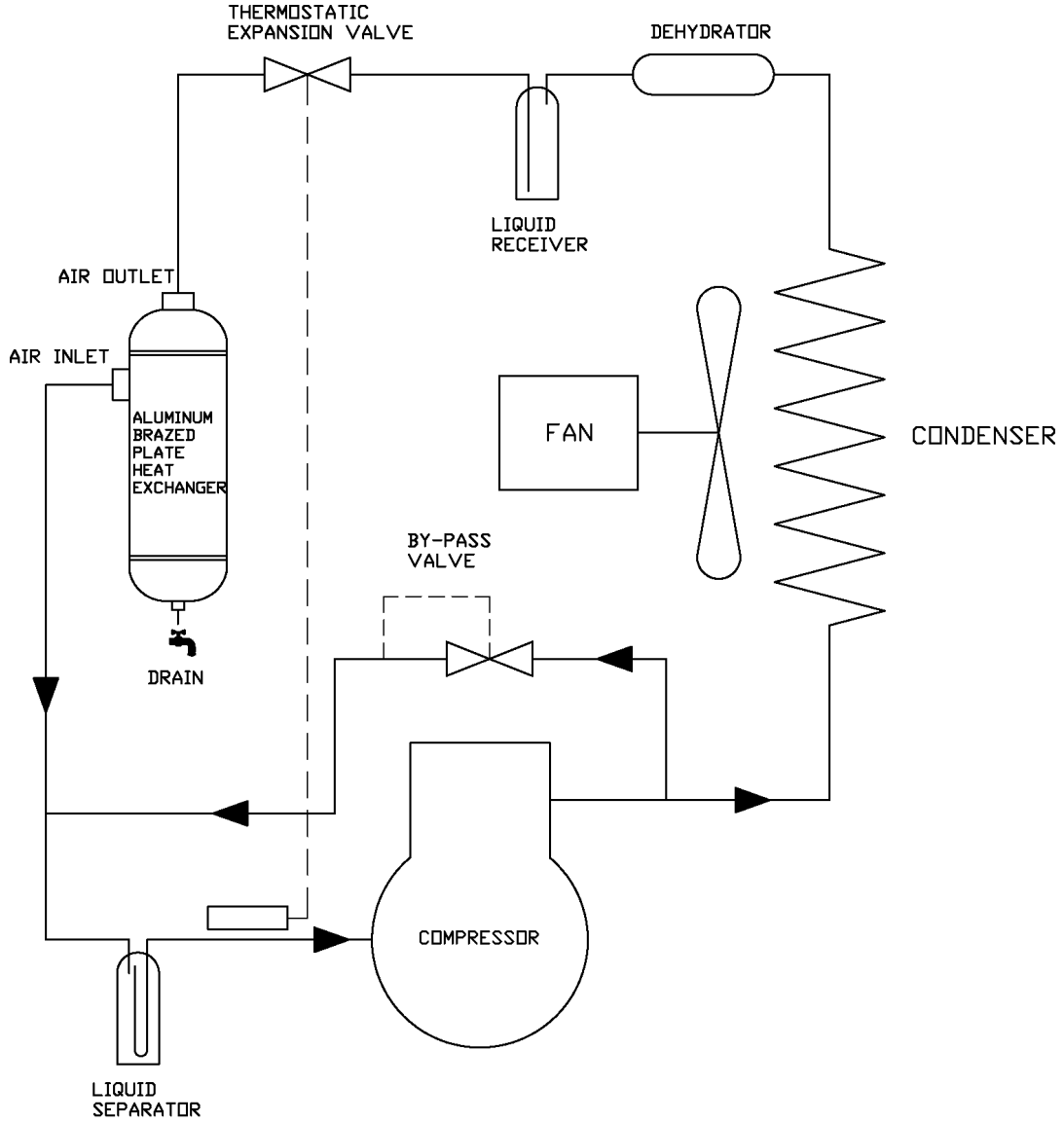
02250195-293

3.45 P&I—RD700-850



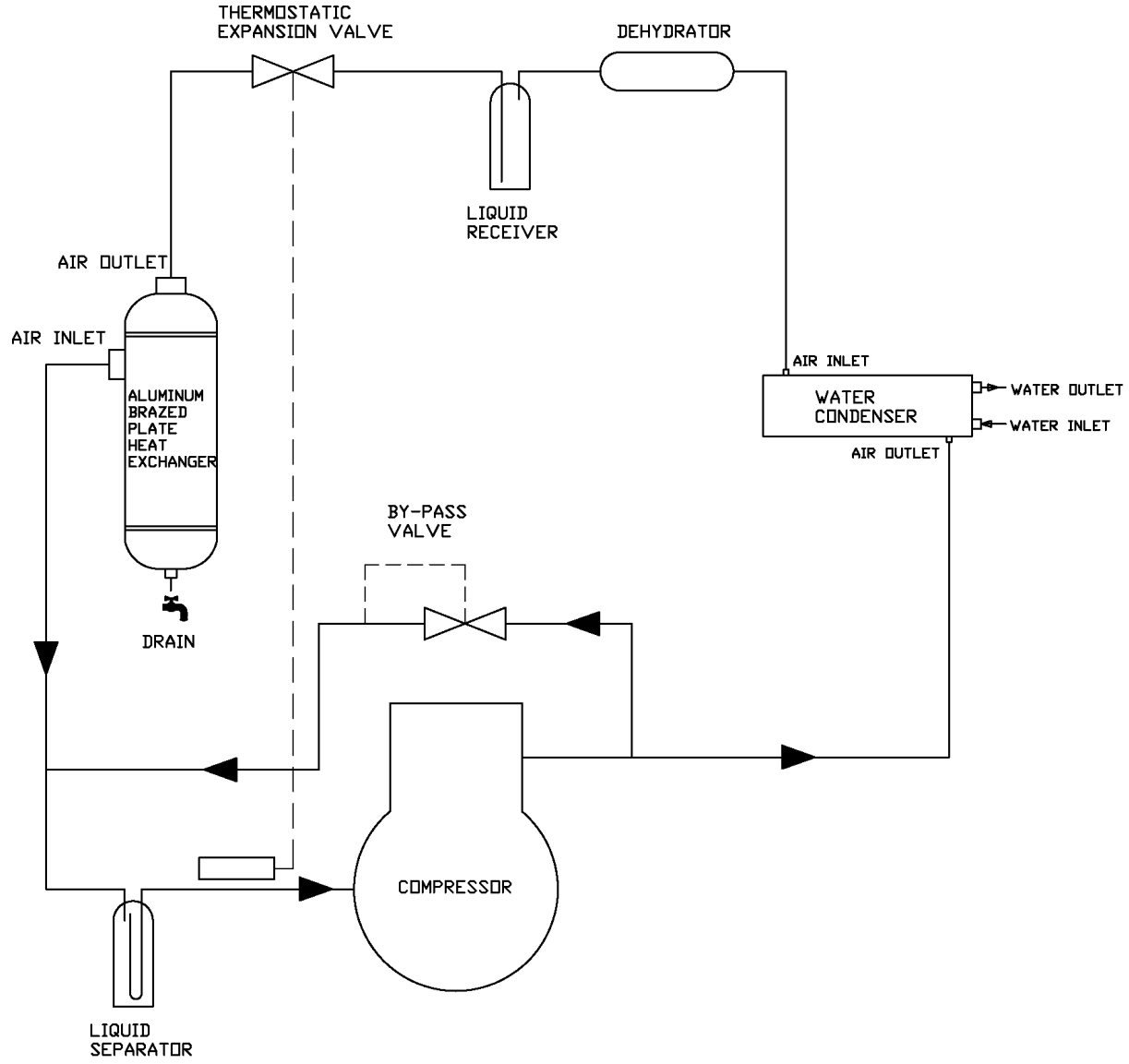
02250195-294

3.46 P&I—RD1000-1200-1600-2000-2400-3000-3800-5000-6000



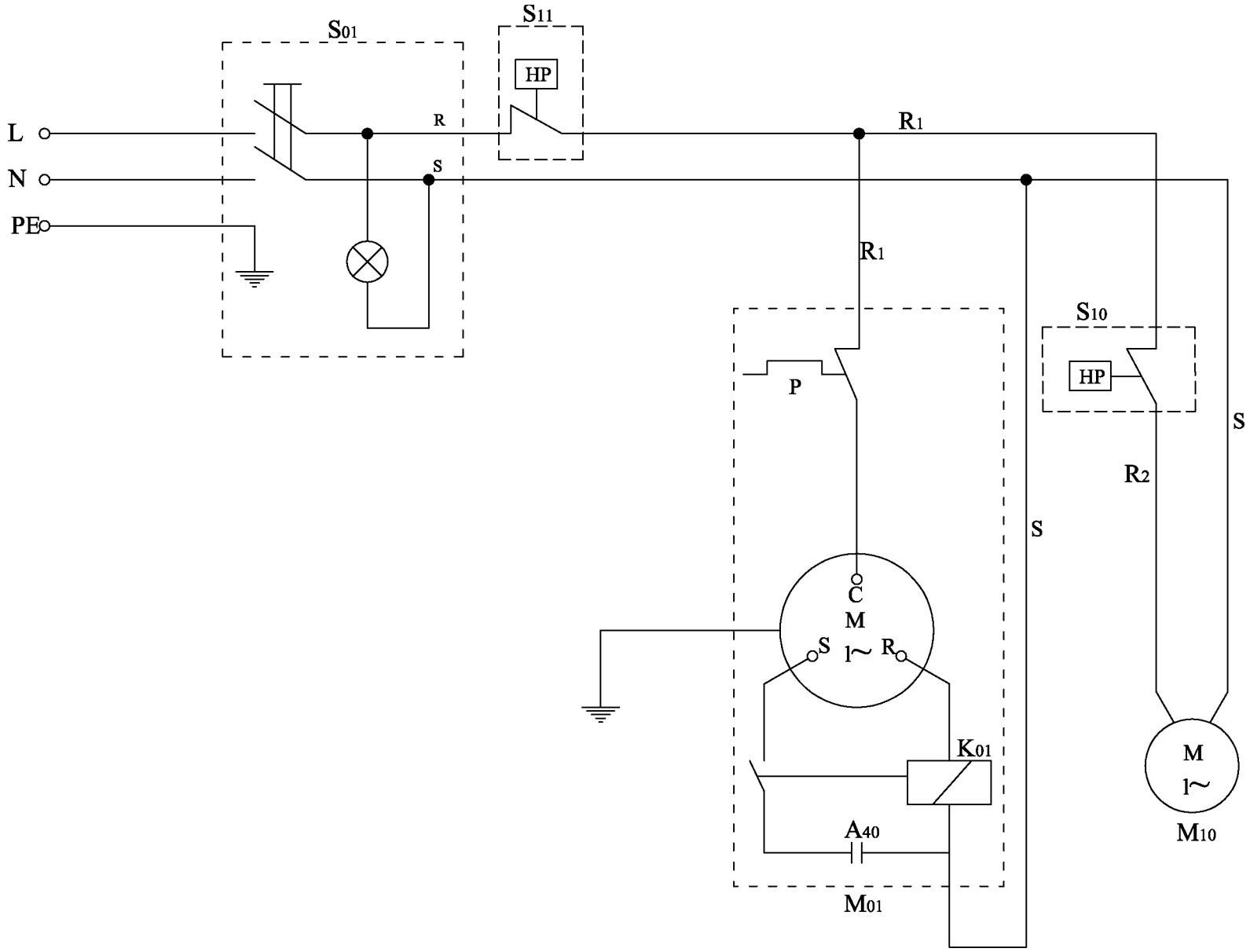
02250195-297

3.47 P&I—RD1000-1200-1600-2000-2400-3000-3800-5000-6000



02250195-298

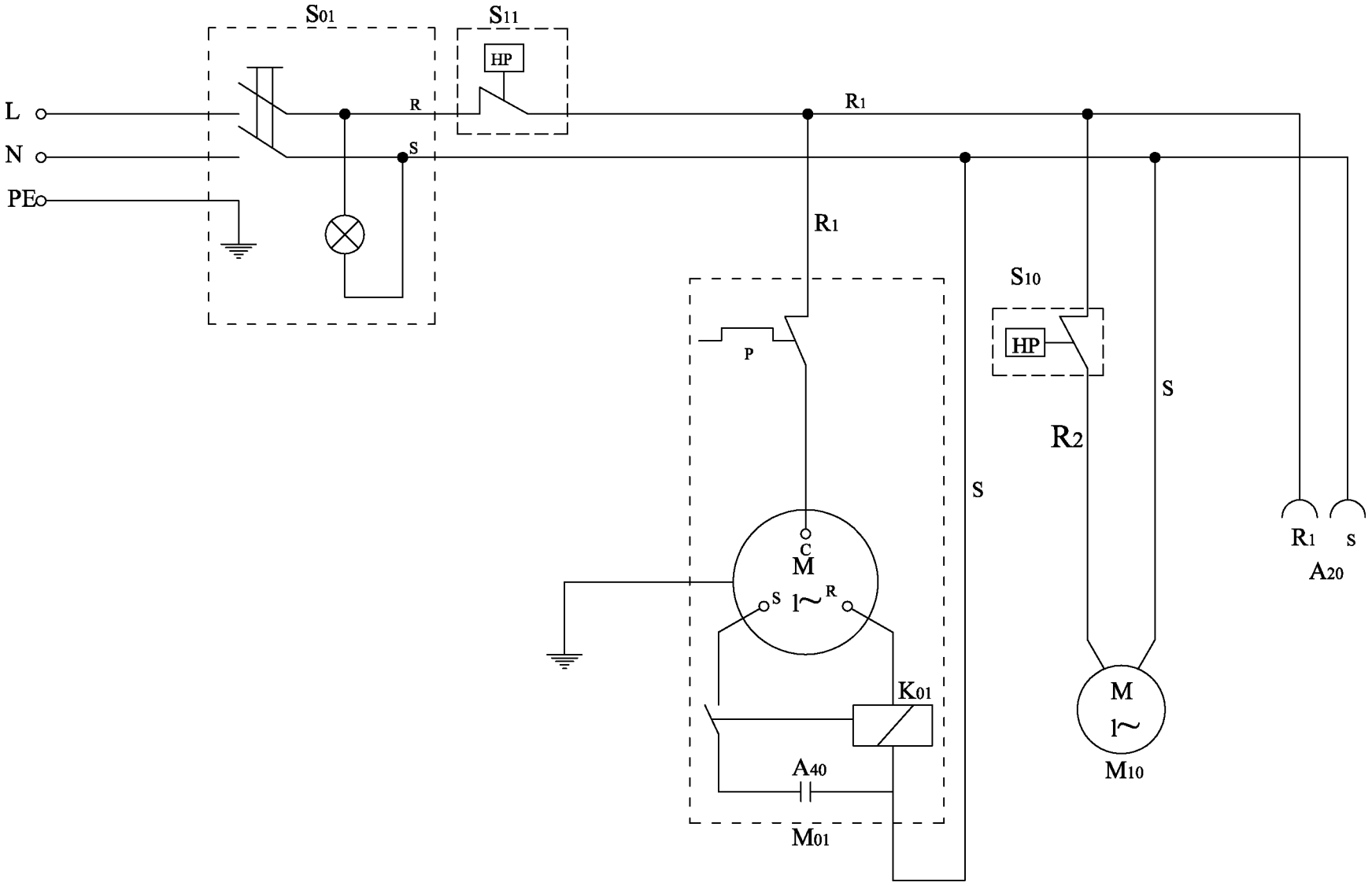
3.48 WIRING DIAGRAM—RN5-10-15-20-25



3.48 WIRING DIAGRAM—RN5-10-15-20-25

COMP	DESCRIPTION
A40	Start capacitor
K01	Compressor motor starter relay
S01	Main switch
S10	Fan pressure control switch
S11	Safety control switch
M01	Compressor motor
M10	Fan motor
P	Compressor motor protector
HP	Indicates high pressure in the circuit

3.49 WIRING DIAGRAM—RN35-50-75-100



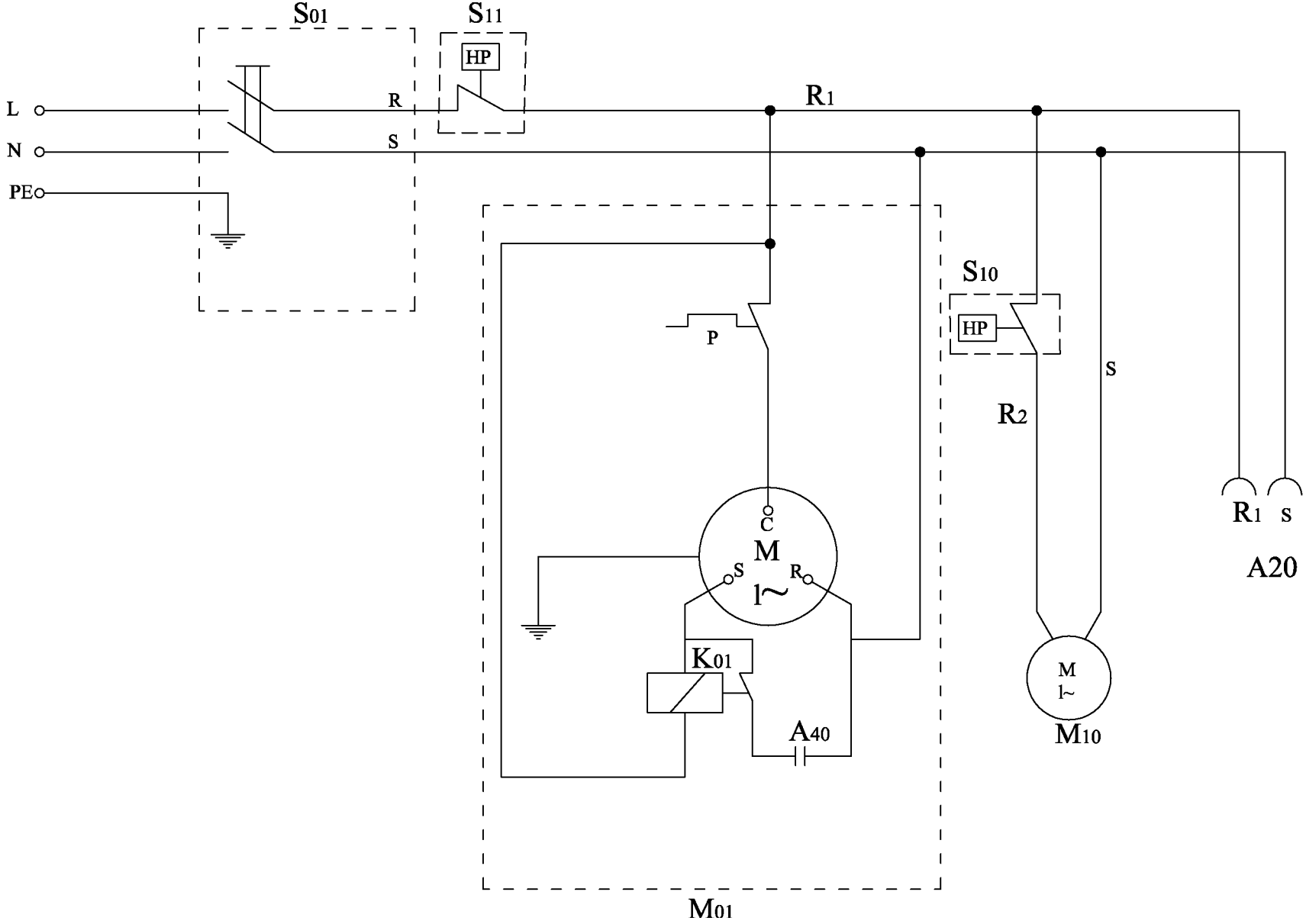
02250195-307

SULLAIR

3.49 WIRING DIAGRAM—RN30-50-75-100

COMP	DESCRIPTION
A20	Drain timer supply
A40	Start capacitor
K01	Compressor motor starter relay
S01	Main switch
S10	Fan pressure control switch
S11	Safety control switch
M01	Compressor motor
M10	Fan motor
P	Compressor motor protector
HP	Indicates high pressure in the circuit

3.50 WIRING DIAGRAM—RN125-150

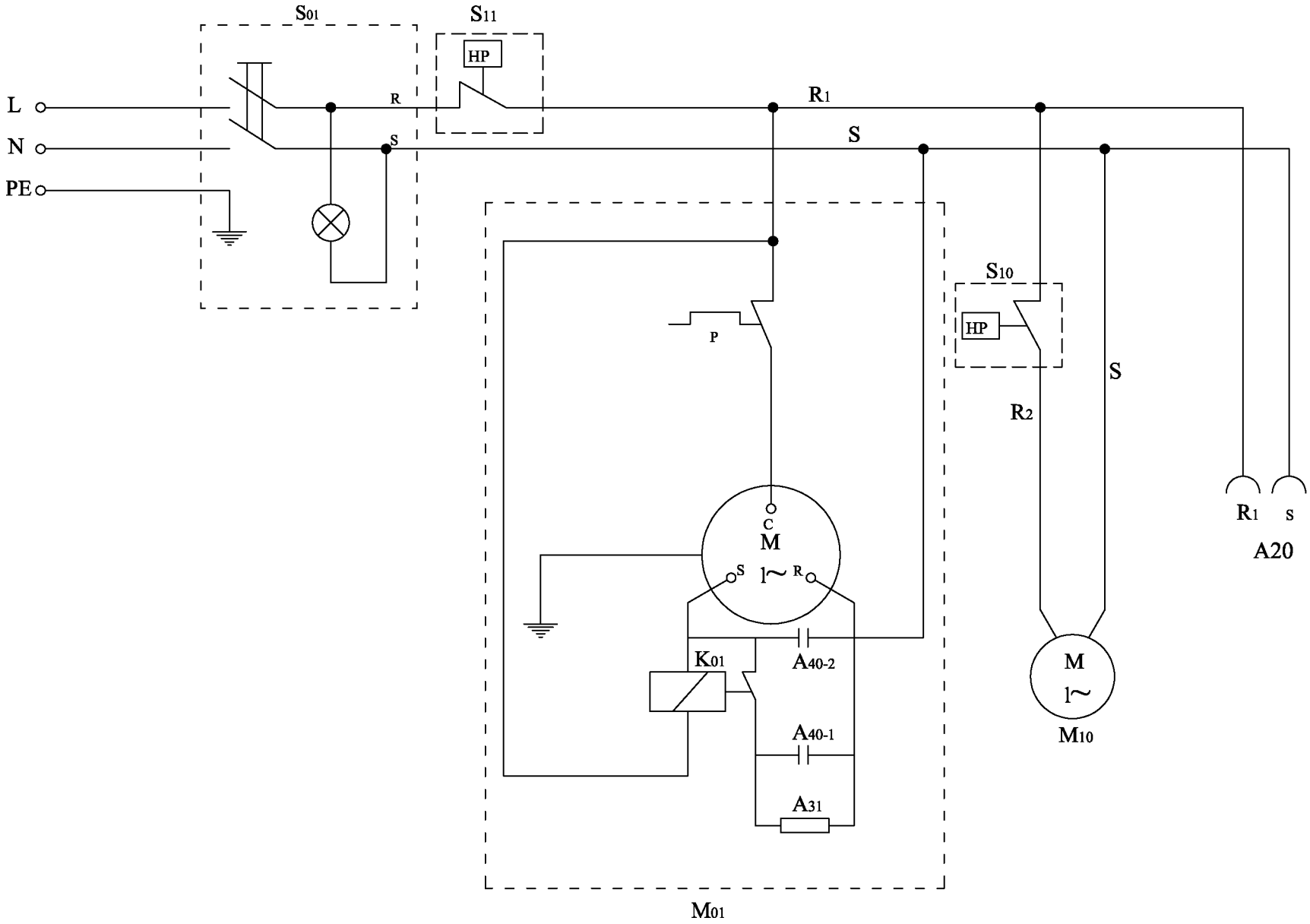


02250195-308

3.50 WIRING DIAGRAM—RN125-150

COMP	DESCRIPTION
A20	Drain timer supply
A40	Start capacitor
K01	Compressor motor starter relay
S01	Main switch
S10	Fan pressure control switch
S11	Safety control switch
M01	Compressor motor
M10	Fan motor
P	Compressor motor protector
HP	Indicates high pressure in the circuit

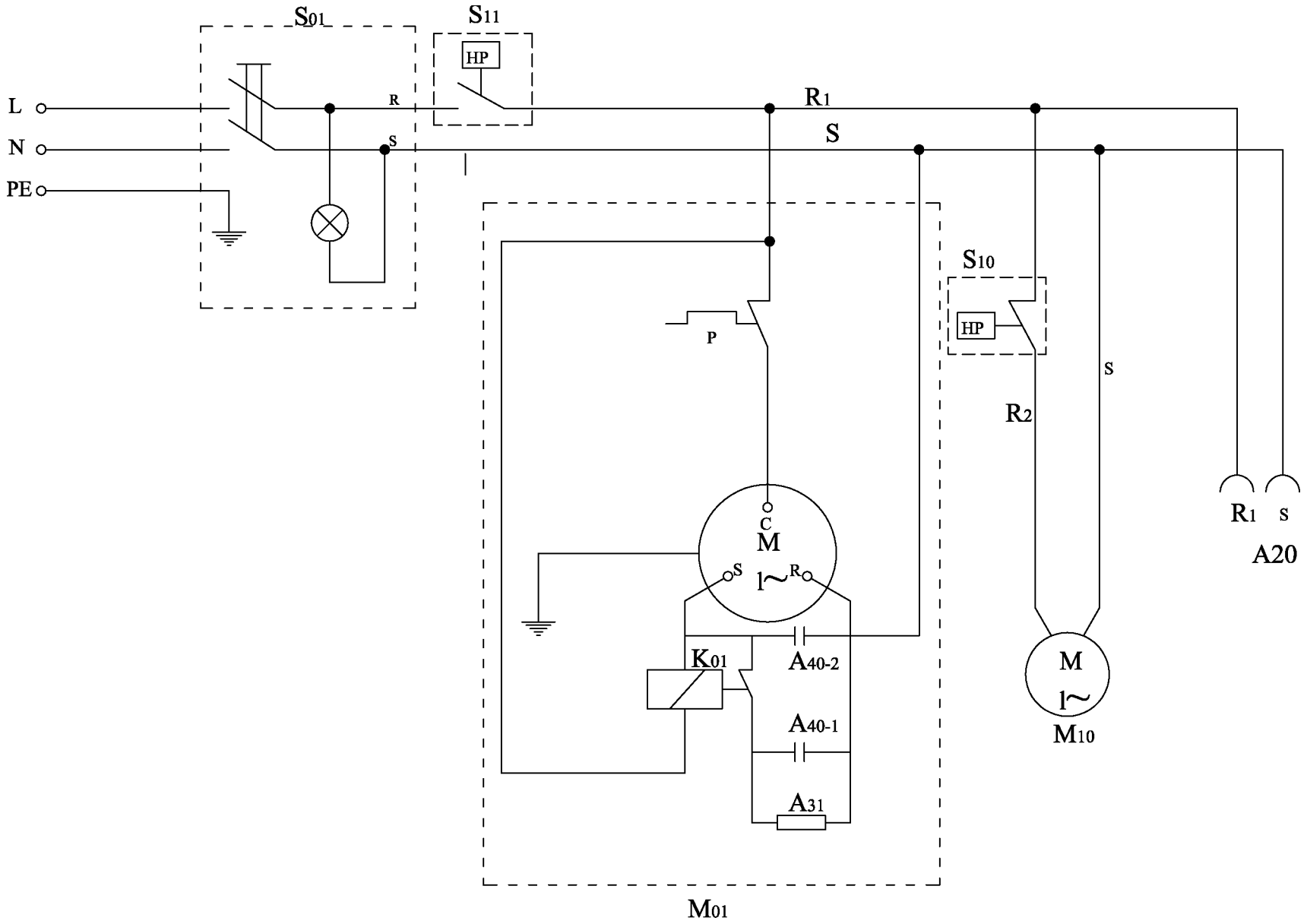
3.51 WIRING DIAGRAM—RN175



3.51 WIRING DIAGRAM—RN175

COMP	DESCRIPTION
A20	Drain timer supply
A31	Starting capacitor resistance
A40-1	Start capacitor
A40-2	Run capacitor
K01	Compressor motor starter relay
S01	Main switch
S02	Remote control start
S10	Fan pressure control switch
S11	Safety control switch
M01	Compressor motor
M10	Fan motor
P	Compressor motor protector
HP	Indicates high pressure in the circuit

3.52 WIRING DIAGRAM—RN200

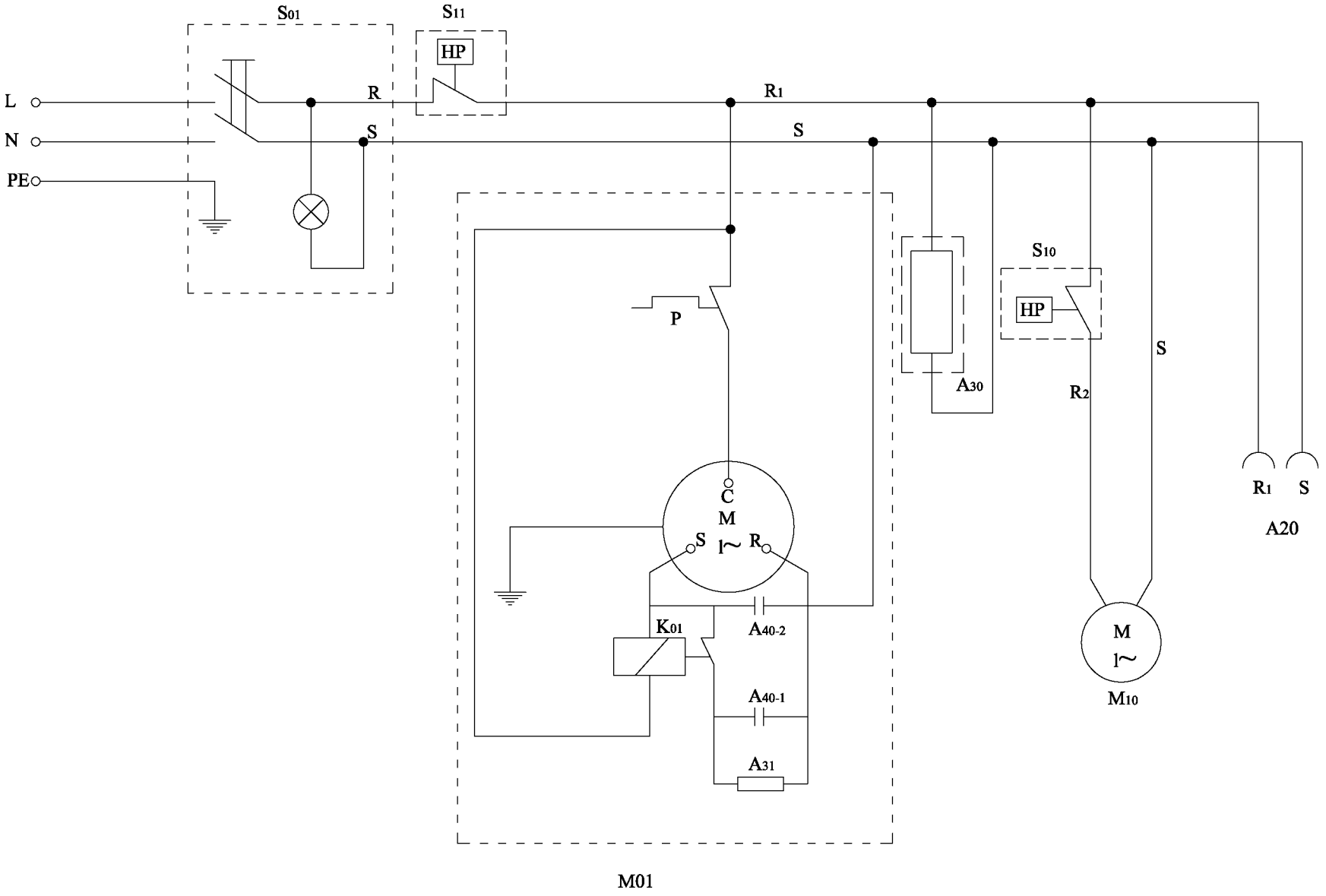


02250195-310

3.52 WIRING DIAGRAM—RN200

COMP	DESCRIPTION
A20	Drain timer supply
A31	Starting capacitor resistance
A40-1	Start capacitor
A40-2	Run capacitor
K01	Compressor motor starter relay
S01	Main switch
S02	Remote control start
S10	Fan pressure control switch
S11	Safety control switch
M01	Compressor motor
M10	Fan motor
P	Compressor motor protector
HP	Indicates high pressure in the circuit

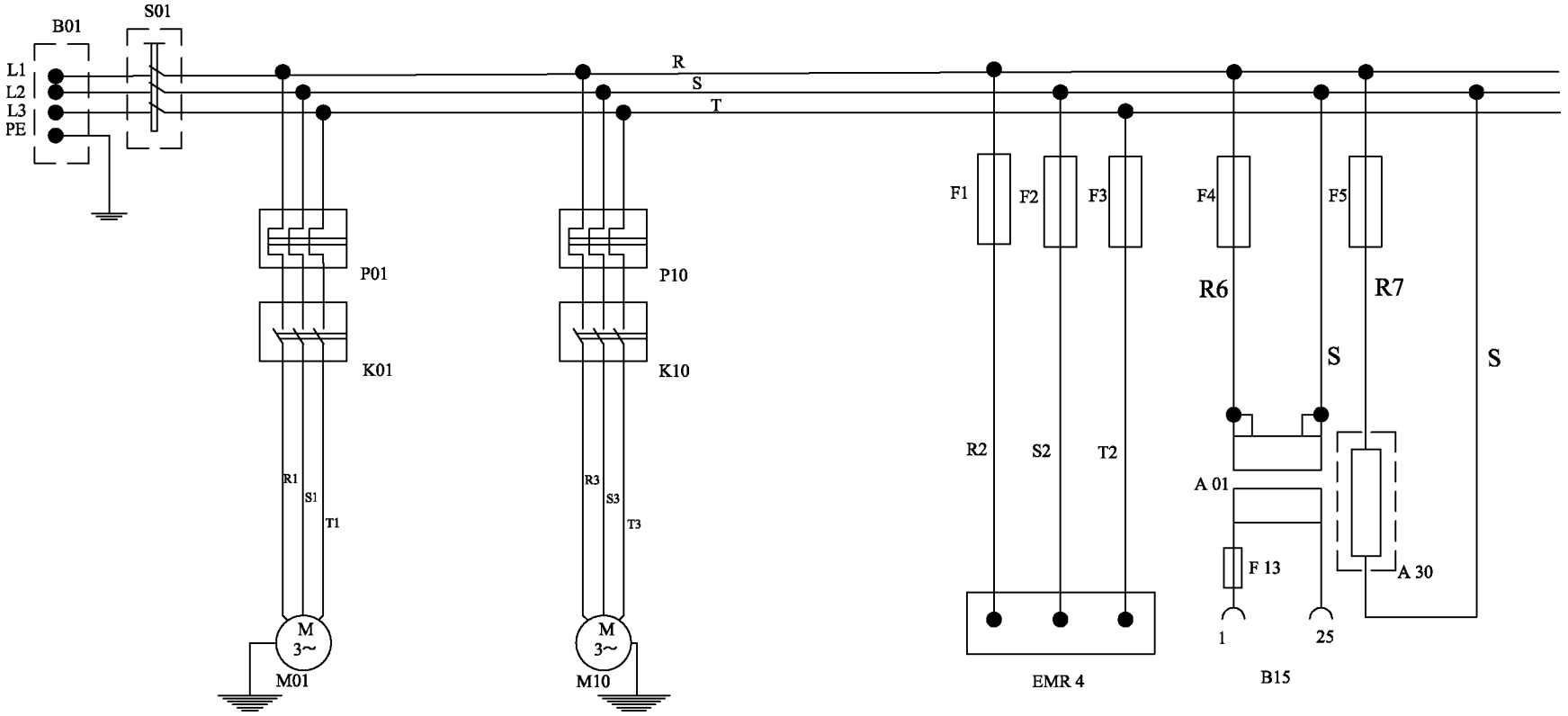
3.53 WIRING DIAGRAM—RN250-325



3.53 WIRING DIAGRAM—RN250-325

COMP	DESCRIPTION
A20	Drain timer supply
A30	Compressor chankaser heater
A31	Starting capacitor resistance
A40-1	Start capacitor
A40-2	Run capacitor
K01	Compressor motor starter relay
S01	Main switch
S02	Remote control start
S10	Fan pressure control switch
S11	Safety control switch
M01	Compressor motor
M10	Fan motor
P	Compressor motor protector
HP	Indicates high pressure in the circuit

3.54 WIRING DIAGRAM—RN250-325 (230-3-60-A)



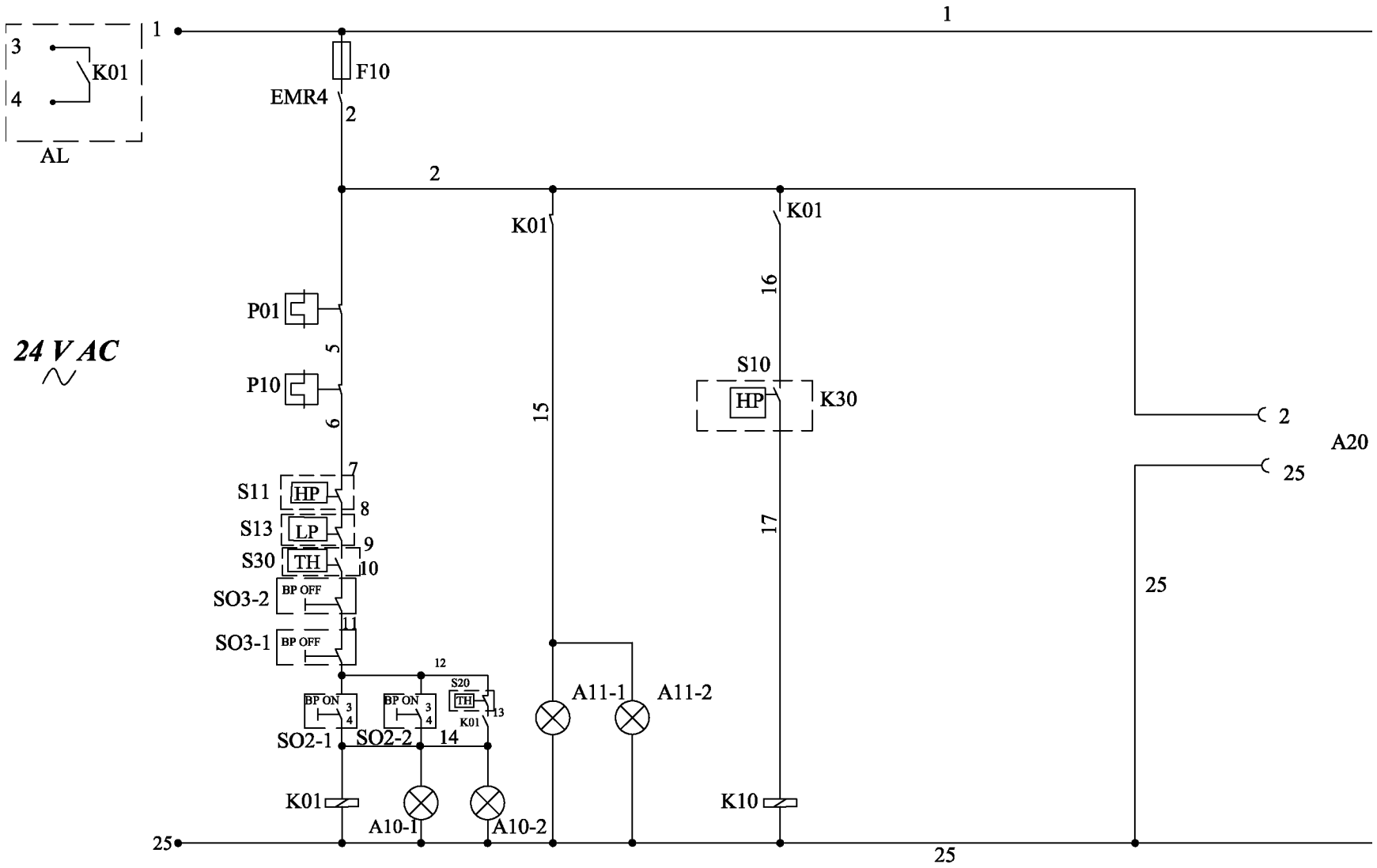
02250195-973-1

SULLAIR

3.54 WIRING DIAGRAM—RN250-325 (230-3-60-A)

COMP	DESCRIPTION
A01	Control circuit transformer
A30	Compressor chankaser heater
B01	Main terminal block
B15	Control circuit supply
EMR4	Phase protection relay
F1, F2, F3	EMR4 overload protection
F4	A01 primary protection
F5	A30 overload protection
F13	A01 Secondary protection
K01	Compressor contactor
K10	Fan contactor
M01	Compressor motor
M10	Fan motor
P01	Thermal protection of compressor
P10	Over load protector of fan motor
S01	Main switch

3.55 WIRING DIAGRAM—RN250-325 (230-3-60-A)

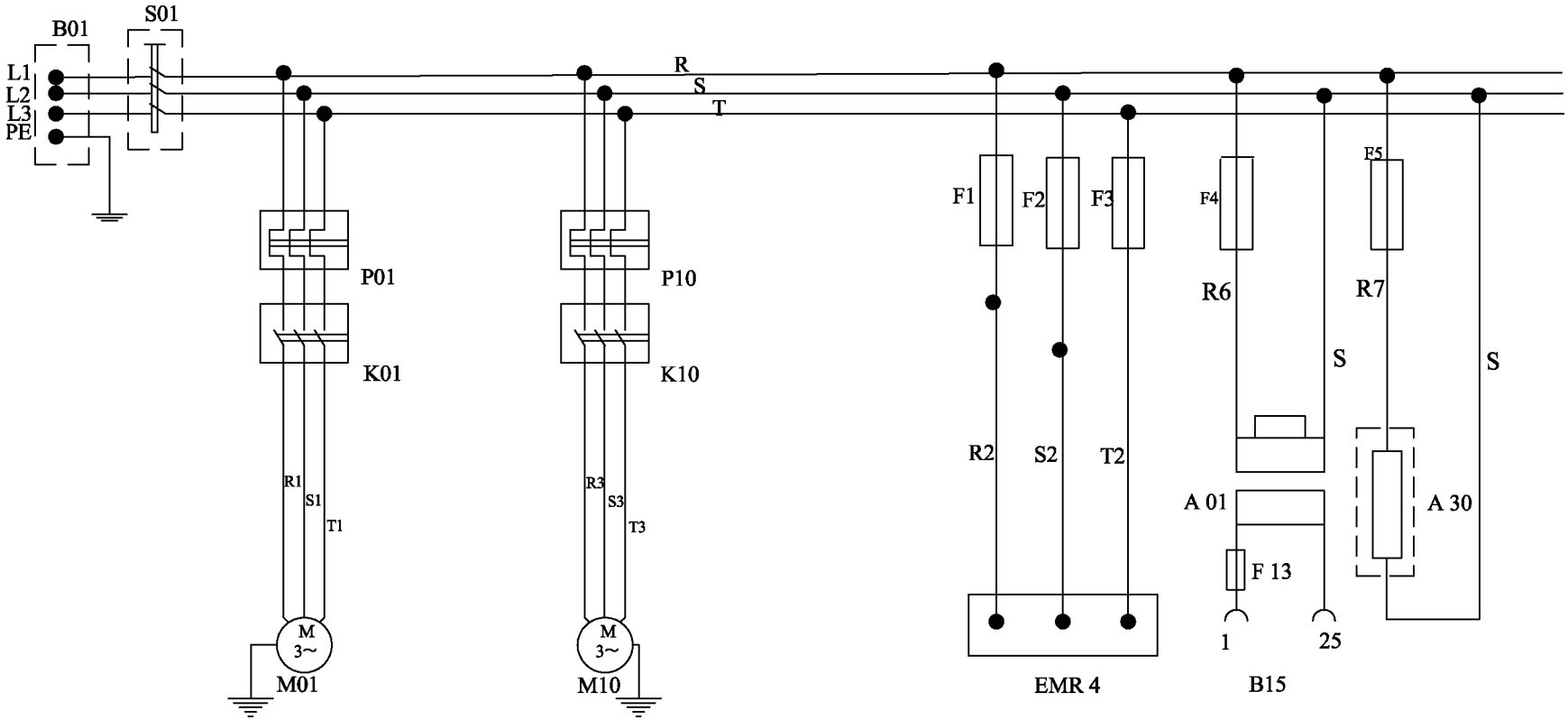


02250195-973-2

3.55 WIRING DIAGRAM—RN250-325 (230-3-60-A)

COMP	DESCRIPTION
F10	Control circuit protection
K01	Compressor motor relay
K10	Fan motor relay
P01	Thermal protection of compressor
P10	Thermal protection of fan
S02-1	Start button on control panel
S02-2	Remote control start button
S03-1	Stop button on control panel
S03-2	Remote control stop button
S10	Fan high pressure control switch
S11	High pressure safety control switch
S20	Safety thermostat
S30	Fan protector
A10-1	Running lamp on control panel (Green)
A10-2	Remote control running lamp (Green)
A11-1	Stand-by lamp on control panel (red)
A11-2	Remote control Stand-by lamp (red)
A20	Drain timer supply
EMR4	Phase protection relay
AL	Alarm contact
HP	Indicates high pressure
LP	Indicates low pressure
TH	Indicates high temperature in the circuit

3.56 WIRING DIAGRAM—RN250-325 (460-3-60-A, 400-3-50-A)

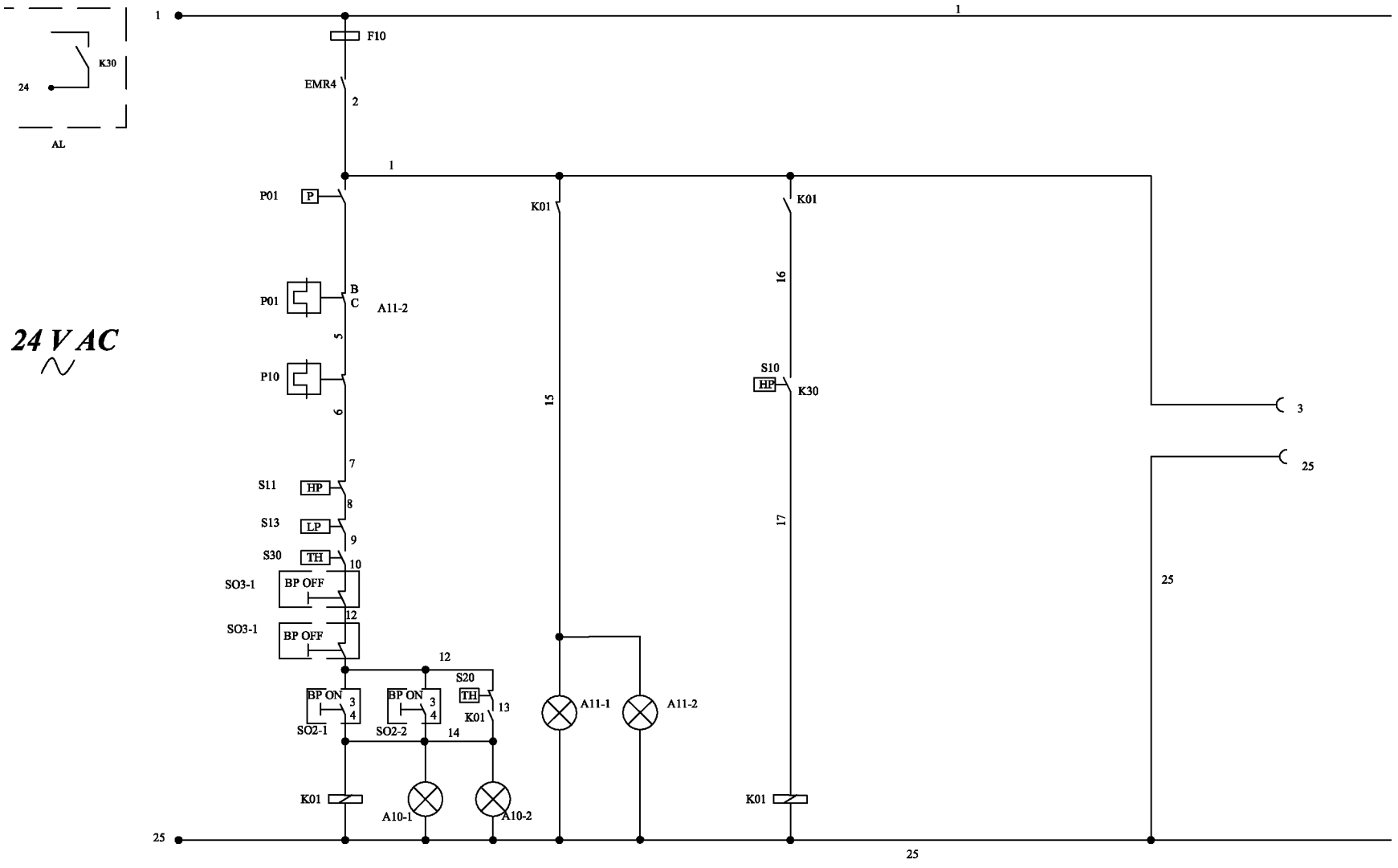


02250195-312-1

3.56 WIRING DIAGRAM—RN250-325 (460-3-60-A, 400-3-50-A)

COMP	DESCRIPTION
A01	Control circuit transformer
A30	Compressor chankaser heater
B01	Main terminal block
B15	Control circuit supply
EMR4	Phase protection relay
F1, F2, F3	EMR4 overload protection
F4	A01 primary protection
F5	A30 overload protection
F13	A01 Secondary protection
K01	Compressor contactor
K10	Fan contactor
M01	Compressors
M10	Fan motor
P01	Thermal protection of compressor
P10	Over load protector of fan motor
S01	Main switch

3.57 WIRING DIAGRAM—RN250-325 (460-3-60-A, 400-3-50-A)



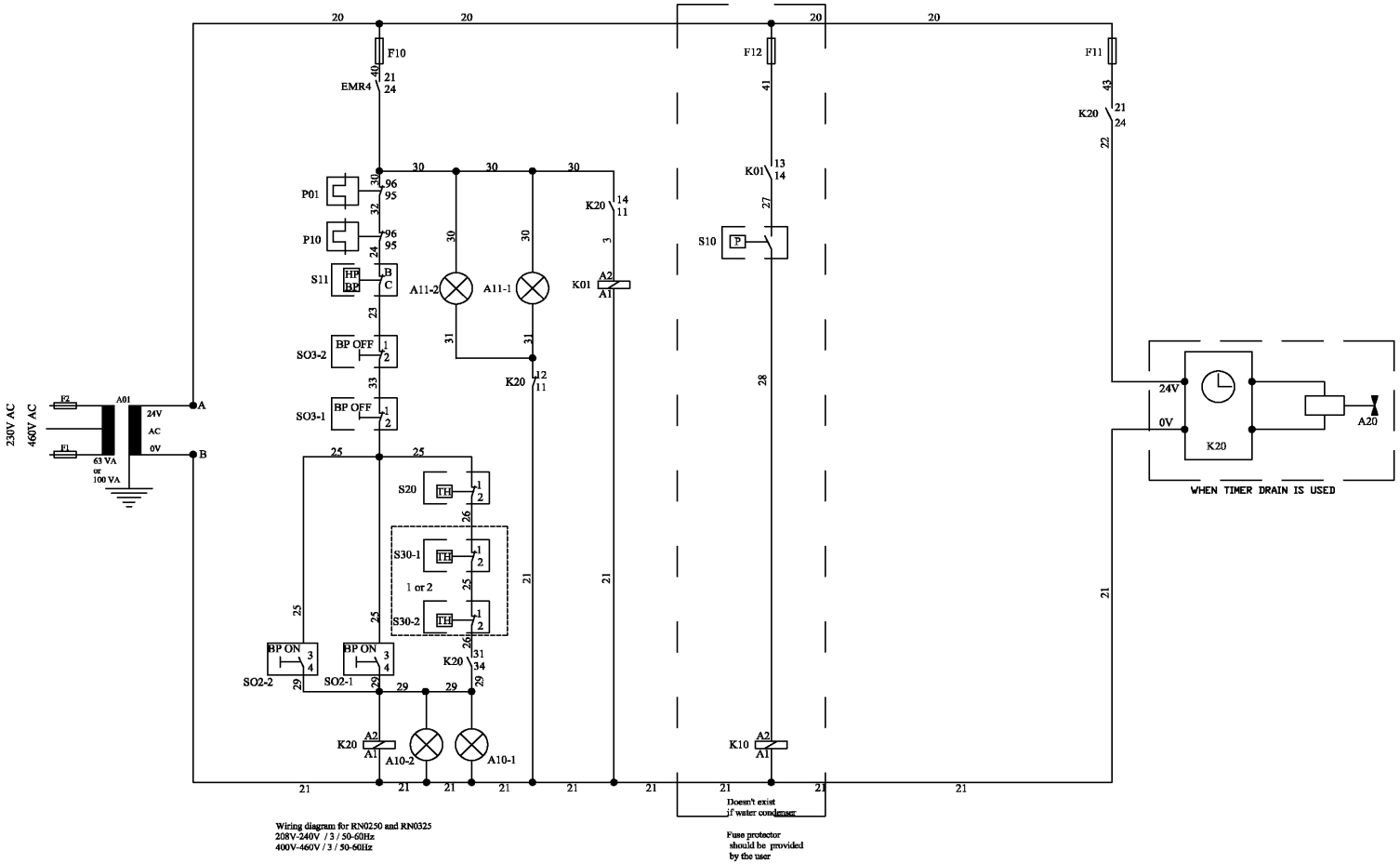
02250195-312-2

SULLAIR

3.57 WIRING DIAGRAM—RN250-325 (460-3-60-A, 400-3-50-A)

COMP	DESCRIPTION
F10	Control circuit protection
F11	Economizer protection
K01	Compressor motor relay
K10	Fan motor relay
K30	Economizer relay
P01	Thermal protection of compressor
P10	Thermal protection of fan
S02-1	Start button on control panel
S02-2	Remote control start button
S03-1	Stop button on control panel
S03-2	Remote control stop button
S10	Fan high pressure control switch
S11	High pressure safety control switch
S20	Safety thermostat
S30	Fan protector
A10-1	Running lamp on control panel (Green)
A10-2	Remote control running lamp (Green)
A11-1	Stand-by lamp on control panel (red)
A11-2	Remote control Stand-by lamp (red)
A20	Drain timer supply
EMR4	Phase protection relay
AL	Alarm contact

3.58 CONTROL CIRCUIT—RN250-325



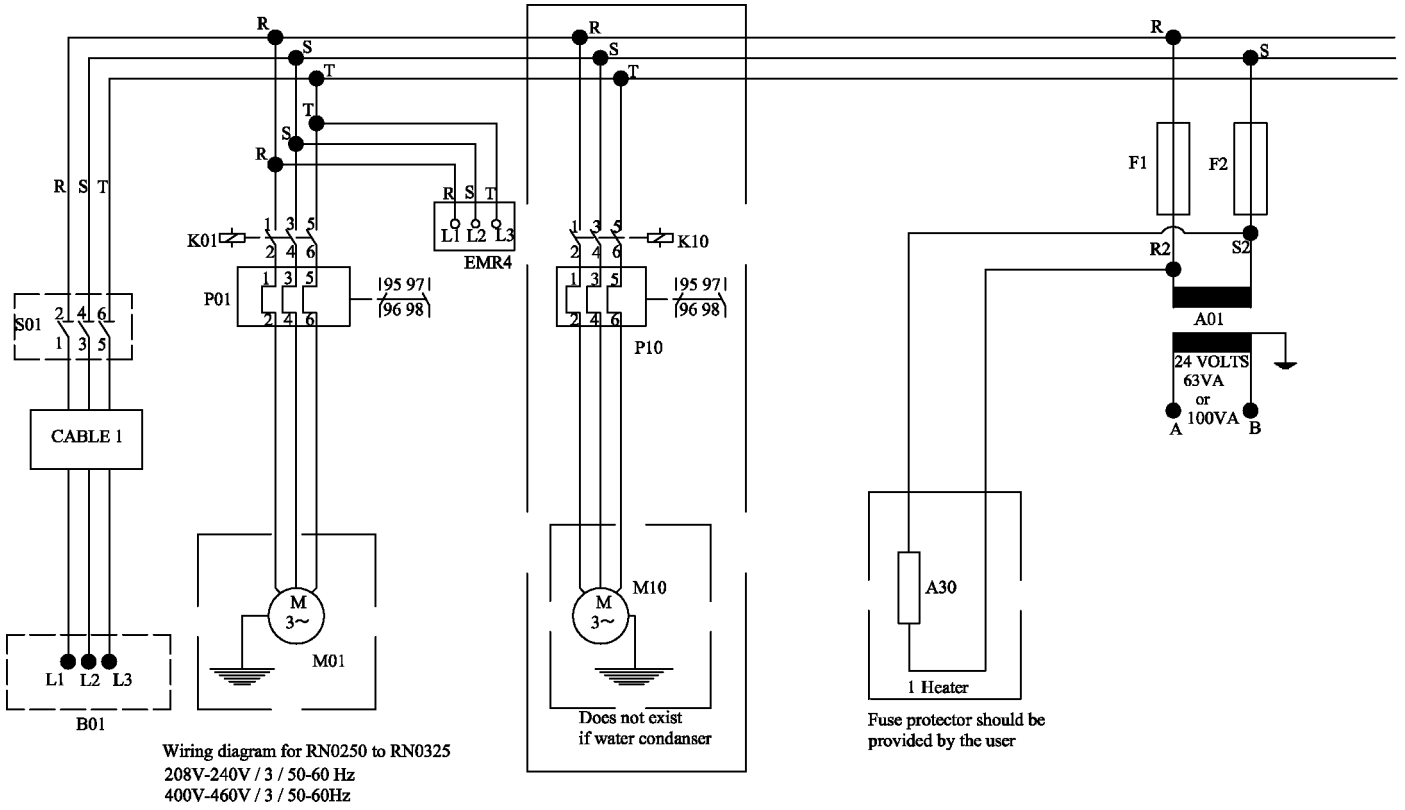
Wiring diagram for RN0250 and RN0325
208V-240V / 3 / 50-60Hz
400V-460V / 3 / 50-60Hz

3.58 CONTROL CIRCUIT—RN250-325

COMP	DESCRIPTION
A01	Control circuit transformer
A10-1	Running lamp on control
A10-2	Remote control Running lamp (Green)
A10-3	Dual button control lamp (Green)
A11-1	Stand-by lamp on control panel (red)
A11-2	Remote control Stand-by lamp (red)
A20	Drain valve
K01-1	Free of potential contact on relay
EMR4	Phase protection relay
F10	Control circuit protection
F11	Drain valve protection
K01	Compressor motor relay
K10	Fan motor relay
K20	Main relay
P01	Thermal protection of compressor
P10	Thermal protection of fan
RL1	ESD2 contact
RL2	ESD2 alarm contact
S02-1	Start button on control panel
S02-2	Remote control start button
S03-1	Stop button on control panel
S03-2	Remote control stop button
S04	Remote control switch
S10	Fan pressure control

COMP	DESCRIPTION
S11	HP-BP security control
S20	Security thermostat
S30-1	Fan protector I
S30-2	Fan protector II

3.59 POWER CIRCUIT—RN250-325



Wiring diagram for RN0250 to RN0325
208V-240V / 3 / 50-60 Hz
400V-460V / 3 / 50-60Hz

3.59 POWER CIRCUIT—RN250-325

COMP	DESCRIPTION
A01	Control circuit transformer
A30	Compressor chankaser heater
B01	Main terminal block
EMR4	Phase protection relay
F1,F2	A01 Primary protection
K01	Compressor contactor (24V)
K10	Fan contactor (24V)
K40	Water motor
M01	Compressor
M10	Fan motor
P01	Thermal protection of
P10	Overload protector
P40	Water motor protection
S01	Main switch

3.60 MAINTENANCE

3.60.1 MAINTENANCE BY AN ENGINEER/ TECHNICIAN

1. Maintenance and repairs should only be performed when the air dryer is shut down and depressurized and when the main power switch is turned OFF.
2. Use only the appropriate tools for maintenance and repair.
3. Before dismantling any part that has been pressurized, disconnect the pressure sources and depressurize the system completely. Shut off all valves and isolate the dryer.
4. Proceed carefully during maintenance and repair. Prevent dirt from entering by covering parts and orifices with a clean cloth, paper or tape.
5. Receiver tanks should never be welded or modified in any way.
6. Never leave tools, loose parts or cleaning rags in or on the air dryer.
7. Before connecting the dryer back online, check the setting of the control and safety devices as well as the pressure and the temperature of the compressed air circuit.
8. For dryers with water-cooled condensers—End caps of water condenser can be disassembled for cleaning with help of a water jet.

3.60.2 MAINTENANCE BY THE USER

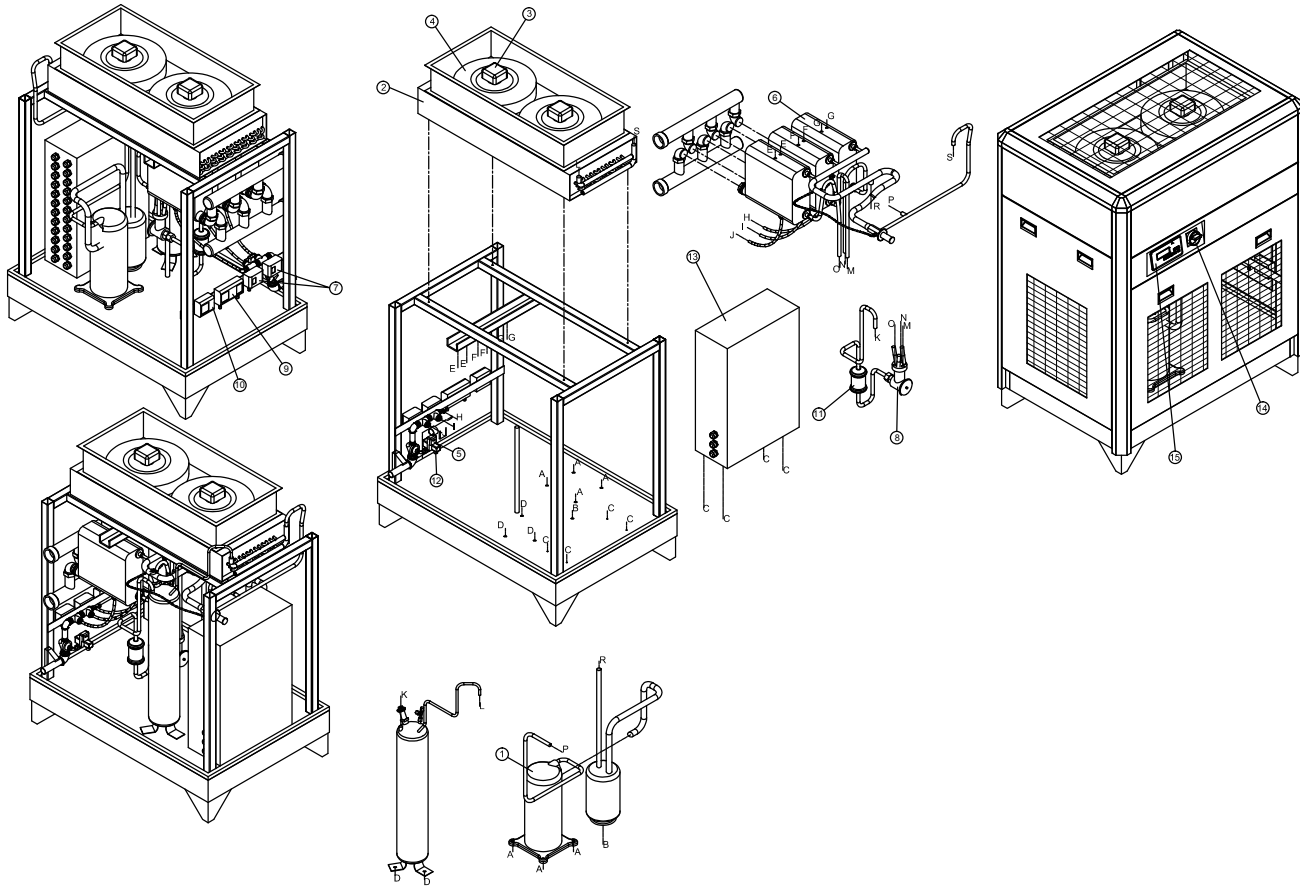
1. Keep the dryer clean.
2. In case of more than 4 pounds of refrigerant, the dryer should be regularly checked to be leak free by qualified refrigerant engineer. Refer to section “Environmental protection” of this manual.
3. Every six months - check the correct operation of the condenser drain trap. Replace timer or solenoid valve in case of clogging or malfunctioning.
4. Every six months - check and clean the drain strainer or the electronic sensor by undoing the access screw and rinsing the filter with tap water to remove the trapped dirt from the inside.
5. Clean the air condenser with a brush or compressed air as soon as it’s dirty or clogged. Take extra care not to bend the fins of the condenser heat exchanger.
6. Check the troubleshooting list in case of maintenance issues.
7. Check operating pressures, temperatures and time settings after maintenance. If operating and safety devices function properly, the air dryer may be used.
8. For water-cooled condensers—Use only clean water when cleaning the condenser. Water should be jet-streamed from the outlet side to the inlet side.

Table 3-1: Recommended Maintenance

Recommended Maintenance Activity	Weekly	Monthly	Semi-Annual	Annual
Air Condenser Cleaning		X		
Water condenser cleaning			X	
Replacement of Filter Element				X
Refrigerant Gas Leak (for dryers containing more then 4 lb of gas)				X
Refrigerant Gas Leak (for dryers containing more then 66 lb of gas)			X	
Drain control			X	

Table 3-1: Recommended Maintenance				
Recommended Maintenance Activity	**Weekly**	**Monthly**	**Semi-Annual**	**Annual**
Cleaning drain strainer inside drain ball valve			X	
Cleaning or replacing drain membrane valve (250CFM and larger models)			X	
Monitoring working conditions	X			

3.61 REPLACEMENT PARTS



3.62 TROUBLESHOOTING

Problem	Possible Cause	Repair	Comments
Dryer is switched on, indicator light is lit but the refrigerant compressor does not turn on.	3-phase dryers: The connection has inverted phases	Invert two phases	3-phase dryers are equipped with a phase controller to avoid the fans from turning in the opposite direction.
	Refrigeration unit is not functioning	Check refrigeration compressor	Several factors can cause compressor failure. A qualified refrigeration technician needs to check all the electrical and refrigerant circuit and controls.
	The refrigerant high pressure protection has tripped	The refrigerant safety high pressure switch has tripped.	The dryer is protected against excessively high refrigerant pressure. If the condenser efficiency has reduced, the switch will trip.
		In case of water cooled condensers, check the water control valve	
			1-phase dryer: manually reset the switch (green button) **3-phase dryer**: pressure Switch will automatically reset.
	Excessive ambient temperature	Be sure that dryer is working in temperatures lower than the design conditions. Designed conditions and correction factors are described in this manual .	A high ambient temperature may cause the refrigerant system to operate at higher than normal pressures. Results will be higher than normal evaporator temperature. Important: adequate air circulation around the dryer, and proper ventilation in the equipment room should guarantee a low enough ambient temperature.
Dryer is switched on, indicator light is lit but the refrigerant compressor does not turn on.	Excessive temperature on crankcase of compressor.	Allow time to compressor to cool down. Reason may be a possible maladjustment of hot gas bypass or shortage of refrigerant	Compressor is protected against overly high temperatures of the crankcase by a thermal switch called “Klixon”. Klixon can be located internally in the refrigerant compressor or under the protective cover with the electrical connections to the compressor.
	Excessive compressed air inlet temperature.	Be sure that dryer is working in temperatures lower than design conditions.	The dryer is designed for working into calculated conditions (see description in this manual). If conditions are exceeded, the dryer will be overflowed, dew point will go up and protecting devices can switch off.

Problem	Possible Cause	Repair	Comments
Dryer-on light is lit but Refrigerant Compressor does not run.	Clogged condenser fins or clogged water condenser. Possible high crankcase temperature Possible loss of phase Possible low voltage causing overload trip Possible failed compressor	Clear fins or water condenser of all obstructions.	The clogged fins in the condenser will restrict the air passage and reduce the refrigeration capacity, causing high temperature in the evaporator. Same will occur if water condenser is clogged with mud or dirt. Air condenser and water condenser should be periodically checked and cleaned. Protect water circuit by an adapted filter.
	Too much compressed air flow.	Check actual flow through the dryer.	This dryer is designed for a maximum air flow at design conditions. If too much air is pumped into the dryer, water removal capacity may not be sufficient, resulting in liquid carryover downstream. Check the rated output the air compressor.
	Faulty electrical wiring	Inspect the circuit	The compressor-on light should be wired into the refrigerant compressor circuit. See wiring diagram in chapter ??rawings? of this manual.
	One electrical protection has tripped.	Reset the protection or replace the blown fuse.	The dryer is protected against high amp draw by fuse and/or overload relay that can trip in case of need. Reset or replace fuse once, but do not persist if it trips again, request assistance from a qualified refrigeration contractor.
Dryer-on light is lit but fan is not running.	Fan has to run if refrigerant high pressure reaches upper set point.	Check that compressed air flows through the dryer. Check that fan blades are free to move. Check the fan pressure switch.	Fan operates automatically to keep refrigerant pressure below the maximum value. The fan can stop if pressure is under the recommended setting.
When compressor starts, it vibrates a lot and makes mechanical noise.	Compressor is slugging liquid refrigerant at start-up.	Be sure the pre-heating period of at least4 hours is respected for dryers equipped with a crankcase heater.	Refrigerant may move between receivers when refrigerant compressor is stopped and not heated, especially if stopped for a long time. This migration may cause liquid shock (slugging) in valves specially on large dryers containing more refrigerant.

Problem	Possible Cause	Repair	Comments
Water in system	Inlet and outlet connections are reversed. (compressed air?)	Check inlet and outlet connections.	This dryer is designed for air flow in one direction only. Inlet and outlet directions are identified on the dryer.
	Drain system is clogged or inoperative.	Restore a free flow of water condensate. Check water evacuation.	Drain system may be a timed solenoid valve, pneumatically assisted or zero loss drain which has to be adjusted in accordance with values listed in this the maintenance manual. The Solenoid valve includes a strainer that has to be periodically checked and cleaned. Membranes of pneumatically assisted drain have to be checked or replaced every 6 months. Sullair zero loss drain has to be cleaned with soft water when needed.
	Bypass system is open	Check the valves	**Important**: Bypass piping should be installed around the dryer so the dryer can be isolated for service without shutting down the air supply. During dryer operation, valves must be set so all air goes into the system. Check tightness of the bypass system.
	Free moisture remains in pipe lines.	Blow out the system	Before the dryer is first started all free moisture should be blown out of the system.
	Excessive air flow	Check actual flow through the dryer.	This dryer is designed for a maximum air flow. If too much air is pumped into the dryer, water removal capacity may not be sufficient, resulting in liquid Carryover downstream. Check the rated flow of the air compressor.

Problem	Possible Cause	Repair	Comments
Water in system	Excessive free moisture	Check the separator and drain system and compressor after cooler ahead of the dryer.	In some system there may be an accumulation of free moisture in the line ahead of the dryer. If this moisture is pumped into the dryer intermittently, the water removal capacity may not be sufficient. A water separator should be installed in the line before the dryer.
	Excessive compressed air inlet temperature.	Be sure that dryer is working lower than design conditions	The dryer is designed for working into calculated design conditions. Should the conditions be exceeded, the dryer will be overflowed, dew point will go up and protecting devices can switch off.
	Clogged condenser fins	Clear fins of all obstructions	The clogged fins in the condenser will restrict air passage and reduce refrigerant capacity causing water downstream. Fins should be periodically checked and cleaned.
	Shortage of refrigerant	Fix the leak and add a charge of refrigerant.	Loss of refrigerant will cause improper functioning. A qualified, refrigeration specialist should perform the necessary repairs, or factory should be contacted. if the units is in warranty.
	Refrigeration system is not functioning	Check to be certain refrigerant compressor is running	To check if the compressor is running, check compressor-on light. It is possible for the fan to be operating but not the compressor. Compressor not running can be caused by several factors. A qualified refrigeration technician should check all refrigerant and electrical controls
	Excessive pressure dew point	Readjust refrigerant evaporating pressure	The refrigerant pressure adjustment valve is identified by a label. Turning the adjustment screw counter clockwise will decrease the refrigerant pressure. and lower the dew point. Adjust valves in 1/4 turn increments to allow 15 minutes for pressure stabilization with air flowing. Be sure that gauge indicates that pressures stay in green zone.

Problem	Possible Cause	Repair	Comments
High pressure drop	Excessive compressed air flow or too low air inlet pressure.	Check actual pressure and flow through the dryer.	This dryer is designed for a maximum air flow. If too much air is pumped into the dryer, water removal capacity may not be sufficient, resulting in liquid carry-over downstream. Check the rated flow of the air compressor.
	Freeze up	Check that compressor room ambient is above 41°F.	Frosting of the lines is an indication that controls are set too low. The following should be done by an experienced refrigeration technician.
		Fan switch could have failed in closed position keeping fan on.	Controls may be adjusted in the fields by means of the hot gas bypass valve. Turn screw clockwise to increase refrigerant pressure setting which will increase pressure dew point. Turn screw in 1/2 turn increments until frost disappears. Allow 15 minutes for pressure stabilization with air flowing.
	Clogged heat exchanger	Clean heat exchanger with a reverse air flow.	Dryer are supposed to be used with compressed air free of any aggressive contaminants. Some contamination may require extra maintenance of the heat exchanger. Contact your Sullair Distributor.
The unit will not run or cycles off and on.	Line disconnect switch is open.	Close the start or disconnect switch.	If the dryer is not operating, check the disconnect switch or circuit breaker to be certain it is on.
	Fuse or breaker is open	Replace fuse or reset breaker.	The fuse to the power line should be checked and replaced if needed. Never replace a burnt fuse with an oversized fuse.
	Faulty refrigerant compressor or controls.	Determine the cause and make correction	Failure of compressor to run may be caused by several factors. A qualified refrigeration specialist should check all electrical and refrigeration controls, or factory should be contacted if unit is in warranty.

Problem	Possible Cause	Repair	Comments
The unit will not run or cycles off and on.	Excessive compressed air inlet temperature.	Design conditions and correction factors are described in this manual. Be sure that dryer is working in ambient temperatures below design conditions.	The dryer is designed for working into calculated design conditions. Should the conditions be exceeded, the dryer will be overflowed, dew point will go up and protecting devices may trip.
	Excessive ambient temperature	Designed conditions and correction factors are described in dryer . Be sure that dryer is working lower than design conditions.	A high ambient temperature may cause the refrigerant system to operate at higher than normal pressures. Results will be a higher than normal evaporator temperature. Important: there should be adequate air circulation around the dryer, and proper ventilation in the equipment room should guarantee a low enough ambient temperature.
	Clogged condenser fins	Clear fins of all obstructions.	The clogged fins in the condenser will restrict the air passage and reduce the refrigeration capacity, causing high temperature in the evaporator. Fins should be periodically checked and cleaned.
	Shortage of refrigerant	Fix the leak and add a charge of refrigerant.	Loss of refrigerant will cause improper functioning. 3-phase dryers are equipped with a temperature switch which maintains the amount of refrigerant to maintain proper cooling of the compressor. A shortage of refrigerant may cause suction line to become very hot, causing the temperature switch to trip. A qualified refrigeration specialist should perform the necessary repairs, or the factory should be contacted if the unit is in warranty.
Err sign occurs on digital temperature control device	The dew point is too low or too high.	Check refrigerant gas and make sure that the working conditions are within the correct range.	If there is not enough refrigerant-gas or if the working temperature-and inlet temperatures are very high, the dew point will increase.

3.63 SETTINGS

MODEL	Superheat of thermostatic expansion valve		Evaporating pressure		Fan pressure switch		Security high pressure switch		Security low pressure switch		Refrigerant temperature switch		Drain timer	Water flow valve (if water condenser)	
	C°	F°	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	C°	F°	Open / Close	BAR	PSI
RN-0005	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0010	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0015	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0025	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0035	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0050	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0075	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0100	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0125	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0150	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0175	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0200	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0250	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RN-0325	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	N/A	N/A	N/A	N/A	4 sec / 5 min	N/A	N/A
RD-0400	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-0500	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-0700	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-0850	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-1000	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-1200	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-1600	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-2000	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-2400	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-3000	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-3800	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-5000	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi
RD-6000	5-10°C	41-50°F	2.05 bar	29.7 psi	9.0–12.0 bar	130.5-174.0 psi	25 bar	362 psi	1.6 bar	23.2 psi	45°C	113° F	4 sec / 5 min	11 bar	159.5 psi

Table 3-2: DP Power 60H

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size
							scfm	(psid)	(kW)	(in)
Non-Cycling	115/1/60	5.0	RN-0005-115-60-A	02250193-807			5.0	1.2	0.14	1/2" NPT-F
Non-Cycling	115/1/60	10.0	RN-0010-115-60-A	02250193-809			10.0	1.5	0.25	1/2" NPT-F
Non-Cycling	115/1/60	15.0	RN-0015-115-60-A	02250193-810			15.0	1.7	0.25	1/2" NPT-F
Non-Cycling	115/1/60	25.0	RN-0025-115-60-A	02250193-812			25.0	1.9	0.28	1/2" NPT-F
Non-Cycling	208-230/1/60	25.0	RN-0025-230-60-A	02250193-835			25.0	1.9	0.28	1/2" NPT-F
Non-Cycling	115/1/60	35.0	RN-0035-115-60-A	02250193-813			35.0	2	0.33	1/2" NPT-F
Non-Cycling	208-230/1/60	35.0	RN-0035-230-60-A	02250193-836			35.0	2	0.33	1/2" NPT-F
Non-Cycling	115/1/60	50.0	RN-0050-115-60-A	02250193-814			50.0	2.2	0.67	3/4" NPT-F
Non-Cycling	208-230/1/60	50.0	RN-0050-230-60-A	02250193-838			50.0	2.2	0.67	3/4" NPT-F
Non-Cycling	115/1/60	75.0	RN-0075-115-60-A	02250193-815			75.0	2.4	0.85	3/4" NPT-F
Non-Cycling	208-230/1/60	75.0	RN-0075-230-60-A	02250193-839			75.0	2.4	0.85	3/4" NPT-F
Non-Cycling	115/1/60	100.0	RN-0100-115-60-A	02250193-816			100.0	2.5	0.95	3/4" NPT-F
Non-Cycling	208-230/1/60	100.0	RN-0100-230-60-A	02250193-841			100.0	2.5	0.95	3/4" NPT-F
Non-Cycling	115/1/60	125.0	RN-0125-115-60-A	02250193-817			125.0	2.3	0.99	1-1/2" NPT-F
Non-Cycling	208-230/1/60	125.0	RN-0125-230-60-A	02250193-842			125.0	2.3	0.99	1-1/2" NPT-F
Non-Cycling	115/1/60	150.0	RN-0150-115-60-A	02250193-818			150.0	2.6	1.05	1-1/2" NPT-F
Non-Cycling	208-230/1/60	150.0	RN-0150-230-60-A	02250193-843			150.0	2.6	1.05	1-1/2" NPT-F
Non-Cycling	208-230/1/60	175.0	RN-0175-230-60-A	02250193-845			175.0	3.1	1.15	1-1/2" NPT-F
Non-Cycling	208-230/1/60	200.0	RN-0200-230-60-A	02250193-846			200.0	3.3	1.25	1-1/2" NPT-F

Table 3-2: DP Power 60H

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size
							scfm	(psid)	(kW)	(in)
Non-Cycling	208-230/1/60	250.0	RN-0250-230-60-A	02250193-880			250.0	3.5	1.5	1-1/2" NPT-F
Non-Cycling	230/3/60	250.0	RN-0250-230-60-A	02250193-880			250.0	3.5	1.5	1-1/2" NPT-F
Non-Cycling	460/3/60	250.0	RN-0250-460-60-A	02250193-979			250.0	3.5	1.5	1-1/2" NPT-F
Non-Cycling	575/3/60	250.0	RN-0250-575-60-A	02250194-134			250.0	3.5	1.5	1-1/2" NPT-F
Non-Cycling	230/3/60	325.0	RN-0325-230-60-A	02250193-848			325.0	3.2	1.67	2" NPT-F
Non-Cycling	460/3/60	325.0	RN-0325-460-60-A	02250193-980			325.0	3.2	1.67	2" NPT-F
Non-Cycling	575/3/60	325.0	RN-0325-575-60-A	02250194-135			325.0	3.2	1.67	2" NPT-F
Non-Cycling	230/3/60	400.0	RD-0400-230-60-A	02250193-849			400.0	2.7	1.92	2" NPT-F
Non-Cycling	460/3/60	400.0	RD-0400-460-60-A	02250193-981			400.0	2.7	1.92	2" NPT-F
Non-Cycling	575/3/60	400.0	RD-0400-575-60-A	02250194-136			400.0	2.7	1.92	2" NPT-F
Non-Cycling	230/3/60	500.0	RD-0500-230-60-A	02250193-850			500.0	3.9	2.35	2" NPT-F
Non-Cycling	460/3/60	500.0	RD-0500-460-60-A	02250193-982			500.0	3.9	2.35	2" NPT-F
Non-Cycling	575/3/60	500.0	RD-0500-575-60-A	02250194-137			500.0	3.9	2.35	2" NPT-F
Non-Cycling	230/3/60	700.0	RD-0700-230-60-A	02250193-851	RD-0700-230-60-W	02250193-861	700.0	3.1	3.45	3" NPT-M
Non-Cycling	460/3/60	700.0	RD-0700-460-60-A	02250193-983	RD-0700-460-60-W	02250194-107	700.0	3.1	3.45	3" NPT-M
Non-Cycling	575/3/60	700.0	RD-0700-575-60-A	02250194-138	RD-0700-575-60-W	02250194-161	700.0	3.1	3.45	3" NPT-M
Non-Cycling	230/3/60	850.0	RD-0850-230-60-A	02250193-852	RD-0850-230-60-W	02250193-862	850.0	2.4	3.53	3" NPT-M
Non-Cycling	460/3/60	850.0	RD-0850-460-60-A	02250193-984	RD-0850-460-60-W	02250194-108	850.0	2.4	3.53	3" NPT-M
Non-Cycling	575/3/60	850.0	RD-0850-575-60-A	02250194-139	RD-0850-575-60-W	02250194-162	850.0	2.4	3.53	3" NPT-M
Non-Cycling	460/3/60	1000.0	RD-1000-460-60-A	02250193-985	RN-1000-460-60-W	02250194-109	1000.0	2.8	3.64	3" NPT-M

Table 3-2: DP Power 60H

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size
							scfm	(psid)	(kW)	(in)
Non-Cycling	575/3/60	1000.0	RD-1000-575-60-A	02250194-140	RD-1000-575-60-W	02250194-163	1000.0	2.8	3.64	3" NPT-M
Non-Cycling	460/3/60	1220.0	RD-1200-460-60-A	02250193-986	RD-1200-460-60-W	02250194-110	1250.0	2.95	4.65	3" NPT-M
Non-Cycling	575/3/60	1250.0	RD-1200-575-60-A	02250194-141	RD-1200-575-60-W	02250194-164	1250.0	2.95	4.65	3" NPT-M
Non-Cycling	460/3/60	1600.0	RD-1600-460-60-A	02250193-988	RD-1600-460-60-W	02250194-113	1600.0	3.1	5.45	4" FLG
Non-Cycling	575/3/60	1600.0	RD-1600-575-60-A	02250194-142	RD-1600-575-60-W	02250194-165	1600.0	3.1	5.45	4" FLG
Non-Cycling	460/3/60	2000.0	RD-2000-460-60-A	02250193-989	RD-2000-460-60-W	02250194-114	2000.0	3.4	7.72	4" FLG
Non-Cycling	575/3/60	2000.0	RD-2000-575-60-A	02250194-143	RD-2000-575-60-W	02250194-166	2000.0	3.4	7.72	4" FLG
Non-Cycling	460/3/60	2500.0	RD-2400-460-60-A	02250193-990	RD-2400-460-60-W	02250194-115	2500.0	3.2	9.22	6" FLG
Non-Cycling	575/3/60	2500.0	RD-2400-575-60-A	02250194-144	RD-2400-575-60-W	02250194-167	2500.0	3.2	9.22	6" FLG
Non-Cycling	460/3/60	3000.0	RD-3000-460-60-A	02250193-991	RD-3000-460-60-W	02250194-116	3000.0	2.6	12.25	6" FLG
Non-Cycling	575/3/60	3000.0	RD-3000-575-60-A	02250194-145	RD-3000-575-60-W	02250194-168	3000.0	2.6	12.25	6" FLG
Non-Cycling	460/3/60	3800.0	RD-3800-460-60-A	02250193-992	RD-3800-460-60-W	02250194-117	3800.0	2.8	14.62	6" FLG
Non-Cycling	575/3/60	3800.0	RD-3800-575-60-A	02250194-146	RD-3800-575-60-W	02250194-169	3800.0	2.8	14.62	6" FLG
Non-Cycling	460/3/60	5000.0	RD-5000-460-60-A	02250193-993	RD-5000-460-60-W	02250194-118	5000.0	3.5	18.78	8" FLG
Non-Cycling	575/3/60	5000.0	RD-5000-575-60-A	02250194-147	RD-5000-575-60-W	02250194-170	5000.0	3.5	18.78	8" FLG
Non-Cycling	460/3/60	6000.0	RD-6000-460-60-A	02250193-994	RD-6000-460-60-W	02250194-119	6000.0	3.5	22.27	8" FLG
Non-Cycling	575/3/60	6000.0	RD-6000-575-60-A	02250194-148	RD-6000-575-60-W	02250194-171	6000.0	3.5	22.27	8" FLG

Table 3-3: DP Power 50H

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size
							scfm	(psid)	(kW)	(in)
Non-Cycling	220/1/50	15.0	RN-0015-220-50-A	02250193-869			15.0	1.7	0.13	1/2" NPT-F
Non-Cycling	220/1/50	25.0	RN-0025-220-50-A	02250193-870			25.0	1.9	0.17	1/2" NPT-F
Non-Cycling	220/1/50	35.0	RN-0035-220-50-A	02250193-871			35.0	2	0.25	1/2" NPT-F
Non-Cycling	220/1/50	50.0	RN-0050-220-50-A	02250193-872			50.0	2.2	0.33	3/4" NPT-F
Non-Cycling	220/1/50	75.0	RN-0075-220-50-A	02250193-873			75.0	2.4	0.49	3/4" NPT-F
Non-Cycling	220/1/50	100.0	RN-0100-220-50-A	02250193-874			100.0	2.5	0.78	3/4" NPT-F
Non-Cycling	220/1/50	125.0	RN-0125-220-50-A	02250193-875			125.0	2.3	0.85	1-1/2" NPT-F
Non-Cycling	220/1/50	175.0	RN-0175-220-50-A	02250193-876			175.0	3.1	1.15	1-1/2" NPT-F
Non-Cycling	220/1/50	200.0	RN-0200-220-50-A	02250193-877			200.0	3.3	1.25	1-1/2" NPT-F
Non-Cycling	220/1/50	250.0	RN-0250-220-50-A	02250193-878			250.0	3.5	1.5	1-1/2" NPT-F
Non-Cycling	220/1/50	325.0	RN-0325-220-50-A	02250193-879			325.0	3.2	1.67	2" NPT-F
Non-Cycling	400/3/50	400.0	RD-0400-400-50-A	02250193-917			400.0	3.4	1.92	2" NPT-F
Non-Cycling	400/3/50	500.0	RD-0500-400-50-A	02250193-918			500.0	3.9	2.35	2" NPT-F
Non-Cycling	400/3/50	700.0	RD-0700-400-50-A	02250193-919	RD-0700-400-50-W	02250193-947	700.0	2.5	3.45	3" NPT-M
Non-Cycling	400/3/50	850.0	RD-0850-400-50-A	02250193-920	RD-0850-400-50-W	02250193-948	850.0	2.8	3.64	3" NPT-M
Non-Cycling	400/3/50	1000.0	RD-1000-400-50-A	02250193-921	RD-1000-400-50-W	02250193-949	1000.0	3.1	3.64	3" NPT-M
Non-Cycling	400/3/50	1200.0	RD-1200-400-50-A	02250193-922	RD-1200-400-50-W	02250193-950	1200.0	3.5	4.5	3" NPT-M
Non-Cycling	400/3/50	1600.0	RD-1600-400-50-A	02250193-923	RD-1600-400-50-W	02250193-951	1600.0	3.1	5.54	4" FLG
Non-Cycling	400/3/50	2000.0	RD-2000-400-50-A	02250193-924	RD-2000-400-50-W	02250193-953	2000.0	2.5	7.72	4" FLG
Non-Cycling	400/3/50	2400.0	RD-2400-400-50-A	02250193-925	RD-2400-400-50-W	02250193-954	2400.0	2.5	9.22	6" FLG
Non-Cycling	400/3/50	3000.0	RD-3000-400-50-A	02250193-926	RD-3000-400-50-W	02250193-955	3000.0	2.8	12.25	6" FLG
Non-Cycling	400/3/50	3800.0	RD-3800-400-50-A	02250193-927	RD-3800-400-50-W	02250193-956	3800.0	2.8	14.62	6" FLG
Non-Cycling	400/3/50	5000.0	RD-5000-400-50-A	02250193-928	RD-5000-400-50-W	02250193-958	5000.0	3.5	18.78	8" FLG
Non-Cycling	400/3/50	6000.0	RD-6000-400-50-A	02250193-929	RD-6000-400-50-W	02250193-959	6000.0	3.5	22.27	8" FLG

Table 3-4: Models 60HZ

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size	Width		Height		Depth		Weight	
							scfm	(psid)	(kW)	(in)	in	mm	in	mm	in	mm	lbs	kg
Non-Cycling	115/1/60	5.0	RN-0005-115-1-60-A	02250193-807			5.0	1.2	0.16	1/2" NPT	13.8	350	24.0	610	13.8	350	70.4	32
Non-Cycling	115/1/60	10.0	RN-0010-115-1-60-A	02250193-809			10.0	1.5	0.16	1/2" NPT	13.8	350	24.0	610	13.8	350	70.4	32
Non-Cycling	115/1/60	15.0	RN-0015-115-1-60-A	02250193-810			15.0	1.7	0.16	1/2" NPT	13.8	350	24.0	610	13.8	350	70.4	32
Non-Cycling	115/1/60	25.0	RN-0025-115-1-60-A	02250193-812			25.0	1.9	0.2	1/2" NPT	13.8	350	24.0	610	15.5	395	73.7	33.5
Non-Cycling	208-230/1/60	25.0	RN-0025-230-1-60-A	02250193-835			25.0	1.9	0.2	1/2" NPT	13.8	350	24.0	610	15.5	395	73.7	33.5
Non-Cycling	115/1/60	35.0	RN-0035-115-1-60-A	02250193-813			35.0	2	0.2	1/2" NPT	15.8	400	23.6	600	17.7	450	93.5	42.5
Non-Cycling	208-230/1/60	35.0	RN-0035-230-1-60-A	02250193-836			35.0	2	0.2	1/2" NPT	15.8	400	23.6	600	17.7	450	93.5	42.5
Non-Cycling	115/1/60	50.0	RN-0050-115-1-60-A	02250193-814			50.0	2.2	0.21	3/4" NPT	15.8	400	23.6	600	17.7	450	93.5	42.5
Non-Cycling	208-230/1/60	50.0	RN-0050-230-1-60-A	02250193-838			50.0	2.2	0.21	3/4" NPT	15.8	400	23.6	600	17.7	450	93.5	42.5
Non-Cycling	115/1/60	75.0	RN-0075-115-1-60-A	02250193-815			75.0	2.4	0.43	3/4" NPT	15.4	390	28.9	735	17.5	445	124.3	56.5
Non-Cycling	208-230/1/60	75.0	RN-0075-230-1-60-A	02250193-839			75.0	2.4	0.43	3/4" NPT	15.4	390	28.9	735	17.5	445	124.3	56.5
Non-Cycling	115/1/60	100.0	RN-0100-115-1-60-A	02250193-816			100.0	2.5	0.46	3/4" NPT	15.4	390	28.9	735	17.5	445	145.2	66
Non-Cycling	208-230/1/60	100.0	RN-0100-230-1-60-A	02250193-841			100.0	2.5	0.46	3/4" NPT	15.4	390	28.9	735	17.5	445	145.2	66
Non-Cycling	115/1/60	125.0	RN-0125-115-1-60-A	02250193-817			125.0	2.3	0.56	1-1/2" NPT	17.5	445	31.7	805	21.5	545	176	80
Non-Cycling	208-230/1/60	125.0	RN-0125-230-1-60-A	02250193-842			125.0	2.3	0.56	1-1/2" NPT	17.5	445	31.7	805	21.5	545	176	80
Non-Cycling	115/1/60	150.0	RN-0150-115-1-60-A	02250193-818			150.0	2.6	0.56	1-1/2" NPT	17.5	445	31.7	805	23.5	595	193.6	88
Non-Cycling	208-230/1/60	150.0	RN-0150-230-1-60-A	02250193-843			150.0	2.6	0.56	1-1/2" NPT	17.5	445	31.7	805	23.5	595	193.6	88
Non-Cycling	208-230/1/60	175.0	RN-0175-230-1-60-A	02250193-845			175.0	3.1	0.79	1-1/2" NPT	21.5	545	34.3	870	23.5	595	216.7	98.5
Non-Cycling	208-230/1/60	200.0	RN-0200-230-1-60-A	02250193-846			200.0	3.3	0.88	1-1/2" NPT	21.5	545	34.3	870	23.5	595	216.7	98.5
Non-Cycling	208-230/1/60	250.0	RN-0250-230-1-60-A	02250193-880			250.0	3.5	1.25	1-1/2" NPT	23.5	595	49.6	1260	28.3	718	308	140
Non-Cycling	230/3/60	250.0	RN-0250-230-3-60-A	02250193-880			250.0	3.5	1.73	1-1/2" NPT	23.5	595	49.6	1260	28.3	718	308	140
Non-Cycling	460/3/60	250.0	RN-0250-460-3-60-A	02250193-979			250.0	3.5	1.34	1-1/2" NPT	23.5	595	49.6	1260	28.3	718	308	140
Non-Cycling	575/3/60	250.0	RN-0250-575-3-60-A	02250194-134			250.0	3.5	1.3	1-1/2" NPT	23.5	595	49.6	1260	28.3	718	308	140
Non-Cycling	230/3/60	325.0	RN-0325-230-3-60-A	02250193-848			325.0	3.2	1.73	2" NPT	23.5	595	49.6	1260	28.3	718	308	140

Table 3-4: Models 60HZ

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size	Width		Height		Depth		Weight	
							scfm	(psid)	(kW)	(in)	in	mm	in	mm	in	mm	lbs	kg
Non-Cycling	460/3/60	325.0	RN-0325-460-3-60-A	02250193-980			325.0	3.2	2.08	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
Non-Cycling	575/3/60	325.0	RN-0325-575-3-60-A	02250194-135			325.0	3.2	1.98	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
Non-Cycling	230/3/60	400.0	RD-0400-230-3-60-A	02250193-849			400.0	2.7	2.13	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
Non-Cycling	460/3/60	400.0	RD-0400-460-3-60-A	02250193-981			400.0	2.7	2.19	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
Non-Cycling	575/3/60	400.0	RD-0400-575-3-60-A	02250194-136			400.0	2.7	2.1	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
Non-Cycling	230/3/60	500.0	RD-0500-230-3-60-A	02250193-850			500.0	3.9	2.7	2" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
Non-Cycling	460/3/60	500.0	RD-0500-460-3-60-A	02250193-982			500.0	3.9	2.88	2" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
Non-Cycling	575/3/60	500.0	RD-0500-575-3-60-A	02250194-137			500.0	3.9	2.6	2" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
Non-Cycling	230/3/60	700.0	RD-0700-230-3-60-A	02250193-851	RD-0700-230-3-60-W	02250193-861	700.0	3.1	3.92	3" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
Non-Cycling	460/3/60	700.0	RD-0700-460-3-60-A	02250193-983	RD-0700-460-3-60-W	02250194-107	700.0	3.1	3.88	3" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
Non-Cycling	575/3/60	700.0	RD-0700-575-3-60-A	02250194-138	RD-0700-575-3-60-W	02250194-161	700.0	3.1	3.7	3" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
Non-Cycling	230/3/60	850.0	RD-0850-230-3-60-A	02250193-852	RD-0850-230-3-60-W	02250193-862	850.0	2.4	4.38	3" NPT	31.9	810	58.9	1495	45.9	1166	1100	500
Non-Cycling	460/3/60	850.0	RD-0850-460-3-60-A	02250193-984	RD-0850-460-3-60-W	02250194-108	850.0	2.4	4.48	3" NPT	31.9	810	58.9	1495	45.9	1166	1100	500
Non-Cycling	575/3/60	850.0	RD-0850-575-3-60-A	02250194-139	RD-0850-575-3-60-W	02250194-162	850.0	2.4	4.4	3" NPT	31.9	810	58.9	1495	45.9	1166	1100	500
Non-Cycling	460/3/60	1000.0	RD-1000-460-3-60-A	02250193-985	RD-1000-460-3-60-W	02250194-109	1000.0	2.8	5.28	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
Non-Cycling	575/3/60	1000.0	RD-1000-575-3-60-A	02250194-140	RD-1000-575-3-60-W	02250194-163	1000.0	2.8	5.12	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
Non-Cycling	460/3/60	1250.0	RD-1200-460-3-60-A	02250193-986	RD-1200-460-3-60-W	02250194-110	1250.0	2.95	5.28	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
Non-Cycling	575/3/60	1250.0	RD-1200-575-3-60-A	02250194-141	RD-1200-575-3-60-W	02250194-164	1250.0	2.95	5.12	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
Non-Cycling	460/3/60	1600.0	RD-1600-460-3-60-A	02250193-988	RD-1600-460-3-60-W	02250194-113	1600.0	3.1	7.3	4" FLG	45.9	1166	79.9	2030	61.0	1550	1672	760
Non-Cycling	575/3/60	1600.0	RD-1600-575-3-60-A	02250194-142	RD-1600-575-3-60-W	02250194-165	1600.0	3.1	7.2	4" FLG	45.9	1166	79.9	2030	61.0	1550	1672	760
Non-Cycling	460/3/60	2000.0	RD-2000-460-3-60-A	02250193-989	RD-2000-460-3-60-W	02250194-114	2000.0	3.4	9	4" FLG	45.9	1166	79.9	2030	61.0	1550	1705	775
Non-Cycling	575/3/60	2000.0	RD-2000-575-3-60-A	02250194-143	RD-2000-575-3-60-W	02250194-166	2000.0	3.4	8.8	4" FLG	45.9	1166	79.9	2030	61.0	1550	1705	775
Non-Cycling	460/3/60	2500.0	RD-2400-460-3-60-A	02250193-990	RD-2400-460-3-60-W	02250194-115	2500.0	3.2	9.8	6" FLG	45.9	1166	79.9	2030	82.7	2100	1925	875
Non-Cycling	575/3/60	2500.0	RD-2400-575-3-60-A	02250194-144	RD-2400-575-3-60-W	02250194-167	2500.0	3.2	9.6	6" FLG	45.9	1166	79.9	2030	82.7	2100	1925	875
Non-Cycling	460/3/60	3000.0	RD-3000-460-3-60-A	02250193-991	RD-3000-460-3-60-W	02250194-116	3000.0	2.6	11.2	6" FLG	45.9	1166	79.9	2030	82.7	2100	2156	980

Table 3-4: Models 60HZ

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size	Width		Height		Depth		Weight	
							scfm	(psid)	(kW)	(in)	in	mm	in	mm	in	mm	lbs	kg
Non-Cycling	575/3/60	3000.0	RD-3000-575-3-60-A	02250194-145	RD-3000-575-3-60-W	02250194-168	3000.0	2.6	11	6" FLG	45.9	1166	79.9	2030	82.7	2100	2156	980
Non-Cycling	460/3/60	3800.0	RD-3800-460-3-60-A	02250193-992	RD-3800-460-3-60-W	02250194-117	3800.0	2.8	13.9	6" FLG	45.9	1166	79.9	2030	110.3	2800	2409	1095
Non-Cycling	575/3/60	3800.0	RD-3800-575-3-60-A	02250194-146	RD-3800-575-3-60-W	02250194-169	3800.0	2.8	13.7	6" FLG	45.9	1166	79.9	2030	110.3	2800	2409	1095
Non-Cycling	460/3/60	5000.0	RD-5000-460-3-60-A	02250193-993	RD-5000-460-3-60-W	02250194-118	5000.0	3.5	18.2	8" FLG	45.9	1166	79.9	2030	110.3	2800	2420	1100
Non-Cycling	575/3/60	5000.0	RD-5000-575-3-60-A	02250194-147	RD-5000-575-3-60-W	02250194-170	5000.0	3.5	18	8" FLG	45.9	1166	79.9	2030	110.3	2800	2420	1100
Non-Cycling	460/3/60	6000.0	RD-6000-460-3-60-A	02250193-994	RD-6000-460-3-60-W	02250194-119	6000.0	3.5	22.27	8" FLG	45.9	1166	79.9	2030	118.1	3000	2750	1250
Non-Cycling	575/3/60	6000.0	RD-6000-575-3-60-A	02250194-148	RD-6000-575-3-60-W	02250194-171	6000.0	3.5	22.27	8" FLG	45.9	1166	79.9	2030	118.1	3000	2750	1250

Table 3-5: Models 50Hz

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size	Width		Height		Depth		Weight	
							scfm	(psid)	(kW)	(in)	in	mm	in	mm	in	mm	lbs	kg
Non-Cycling	220/1/50	15.0	RN-0015-220-3-50-A	02250193-869			15.0	1.7	0.13									
Non-Cycling	220/1/50	25.0	RN-0025-220-3-50-A	02250193-870			25.0	1.9	0.17									
Non-Cycling	220/1/50	35.0	RN-0035-220-3-50-A	02250193-871			35.0	2	0.25									
Non-Cycling	220/1/50	50.0	RN-0050-220-3-50-A	02250193-872			50.0	2.2	0.33									
Non-Cycling	220/1/50	75.0	RN-0075-220-3-50-A	02250193-873			75.0	2.4	0.49									
Non-Cycling	220/1/50	100.0	RN-0100-220-3-50-A	02250193-874			100.0	2.5	0.78									
Non-Cycling	220/1/50	125.0	RN-0125-220-3-50-A	02250193-875			125.0	2.3	0.85									
Non-Cycling	220/1/50	175.0	RN-0175-220-3-50-A	02250193-876			175.0	3.1	1.15									
Non-Cycling	220/1/50	200.0	RN-0200-220-3-50-A	02250193-877			200.0	3.3	1.25									
Non-Cycling	220/1/50	250.0	RN-0250-220-3-50-A	02250193-878			250.0	3.5	1.5									
Non-Cycling	220/1/50	325.0	RN-0325-220-3-50-A	02250193-879			325.0	3.2	1.67									
Non-Cycling	400/3/50	400.0	RD-0400-400-3-50-A	02250193-917			400.0	3.4	1.92									
Non-Cycling	400/3/50	500.0	RD-0500-400-3-50-A	02250193-918			500.0	3.9	2.35									
Non-Cycling	400/3/50	700.0	RD-0700-400-3-50-A	02250193-919	RD-0700-400-3-50-W	02250193-947	700.0	2.5	3.45									
Non-Cycling	400/3/50	850.0	RD-0850-400-3-50-A	02250193-920	RD-0850-400-3-50-W	02250193-948	850.0	2.8	3.64									
Non-Cycling	DELETE	1000.0	RD-1000-230-3-50-A	?			1000.0	3.1	3.64									
Non-Cycling	400/3/50	1000.0	RD-1000-400-3-50-A	02250193-921	RD-1000-400-3-50-W	02250193-949	1000.0	3.1	3.64									
Non-Cycling	400/3/50	1200.0	RD-1200-400-3-50-A	02250193-922	RD-1200-400-3-50-W	02250193-950	1200.0	3.5	4.5									
Non-Cycling	400/3/50	1600.0	RD-1600-400-3-50-A	02250193-923	RD-1600-400-3-50-W	02250193-951	1600.0	3.1	5.54									
Non-Cycling	400/3/50	2000.0	RD-2000-400-3-50-A	02250193-924	RD-2000-400-3-50-W	02250193-953	2000.0	2.5	7.72									
Non-Cycling	400/3/50	2400.0	RD-2400-400-3-50-A	02250193-925	RD-2400-400-3-50-W	02250193-954	2400.0	2.5	9.22									
Non-Cycling	400/3/50	3000.0	RD-3000-400-3-50-A	02250193-926	RD-3000-400-3-50-W	02250193-955	3000.0	2.8	12.25									
Non-Cycling	400/3/50	3800.0	RD-3800-400-3-50-A	02250193-927	RD-3800-400-3-50-W	02250193-956	3800.0	2.8	14.62									
Non-Cycling	400/3/50	5000.0	RD-5000-400-3-50-A	02250193-928	RD-5000-400-3-50-W	02250193-958	5000.0	3.5	18.78									
Non-Cycling	400/3/50	6000.0	RD-6000-400-3-50-A	02250193-929	RD-6000-400-3-50-W	02250193-959	6000.0	3.5	22.27									

3.64 SPARE PARTS LIST

Component Name	RN-0005-115-1-60-A	RN-0010-115-1-60-A	RN-0015-115-1-60-A	RN-0015-220-1-50-A	RN-0025-115-1-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-0015-115-1-60	M-CMP-0015-115-1-60	M-CMP-0015-115-1-60	M-CMP-0015-115-1-60	M-CMP-0035-115-1-60-A
compressor electric box	N/A	N/A	N/A	N/A	N/A
Condenser	M-CON-0015	M-CON-0015	M-CON-0015	M-CON-0015	M-CON-0035
Fan motor	M-FMT-0075-115-1-60	M-FMT-0075-115-1-60	M-FMT-0075-115-1-60	M-FMT-0035-220-1-50	M-FMT-0075-115-1-60
Fan Blade	M-FAN-0015	M-FAN-0015	M-FAN-0015	M-FAN-0015	M-FAN-0075
fan grill	M-GRL-0015	M-GRL-0015	M-GRL-0015	M-GRL-0015	M-GRL-0075
Drier-Dehydrator	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200
Heat Exchanger	M-EXC-0025	M-EXC-0025	M-EXC-0025	M-EXC-0025	M-EXC-0025
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	M-INL-0015	M-INL-0015	M-INL-0015	M-INL-0015	M-INL-0025
Flexible steel tube (outlet)	N/A	N/A	N/A	N/A	N/A
Expansion valve	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075
By-pass valve	N/A	N/A	N/A	N/A	N/A
separator	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	N/A	N/A	N/A	N/A	N/A
High Pressure Security switch	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200
Fan on/off switch	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200
Low pressure switch	N/A	N/A	N/A	N/A	N/A
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	N/A	N/A	N/A	N/A	N/A
Compressor Overload Protector	M-COP-0015-115-1-60	M-COP-0015-115-1-60	M-COP-0015-115-1-60	M-COP-0015-115-1-60	M-COP-0035-115-1-60-A
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325

Component Name	RN-0005-115-1-60-A	RN-0010-115-1-60-A	RN-0015-115-1-60-A	RN-0015-220-1-50-A	RN-0025-115-1-60-A
On/off Button	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200
Main Switch	N/A	N/A	N/A	N/A	N/A
Contactor	N/A	N/A	N/A	N/A	N/A
Phase protection relay	N/A	N/A	N/A	N/A	N/A
Fan Contactor	N/A	N/A	N/A	N/A	N/A
Transformer	N/A	N/A	N/A	N/A	N/A
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000
Solenoid Valve	N/A	N/A	N/A	N/A	N/A
Membrane valve	N/A	N/A	N/A	N/A	N/A
Membrane	N/A	N/A	N/A	N/A	N/A
Water Separator	M-WSP-0050	M-WSP-0050	M-WSP-0050	M-WSP-0050	M-WSP-0050
Cabinet Front	M-CFR-0015	M-CFR-0015	M-CFR-0015	M-CFR-0015	M-CFR-0025
Cabinet Side - Left	M-CLE-0015	M-CLE-0015	M-CLE-0015	M-CLE-0015	M-CLE-0025
Cabinet Side - Right	M-CRI-0015	M-CRI-0015	M-CRI-0015	M-CRI-0015	M-CRI-0025
Cabinet Rear	M-CRE-0015	M-CRE-0015	M-CRE-0015	M-CRE-0015	M-CRE-0025
Cabinet Top	M-CTO-0015	M-CTO-0015	M-CTO-0015	M-CTO-0015	M-CTO-0025
Cabinet Base	M-CBA-0015	M-CBA-0015	M-CBA-0015	M-CBA-0015	M-CBA-0025
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0015	M-CBL-0015	M-CBL-0015	M-CBL-0015	M-CBL-0025
Cabinet Frame Top	M-FRT-0015	M-FRT-0015	M-FRT-0015	M-FRT-0015	M-FRT-0025
Cabinette Horizontal profile 1	M-HP1-0015	M-HP1-0015	M-HP1-0015	M-HP1-0015	M-HP1-0025
Cabinette Horizontal profile 2	M-HP2-0015	M-HP2-0015	M-HP2-0015	M-HP2-0015	M-HP2-0025

Component Name	RN-0025-220-1-50-A	RN-0025-230-1-60-A	RN-0035-115-1-60-A	RN-0035-220-1-50-A	RN-0035-230-1-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-0035-220-1-50-A	M-CMP-0035-230-1-60-A	M-CMP-0035-115-1-60-A	M-CMP-0035-220-1-50-A	M-CMP-0035-230-1-60-A
compressor electric box	N/A	N/A	N/A	N/A	N/A
Condenser	M-CON-0035	M-CON-0035	M-CON-0035	M-CON-0035	M-CON-0035
Fan motor	M-FMT-0035-220-1-50	M-FMT-0035-230-1-60	M-FMT-0075-115-1-60	M-FMT-0035-220-1-50	M-FMT-0035-230-1-60
Fan Blade	M-FAN-0075	M-FAN-0075	M-FAN-0075	M-FAN-0075	M-FAN-0075
fan grill	M-GRL-0075	M-GRL-0075	M-GRL-0075	M-GRL-0075	M-GRL-0075
Drier-Dehydrator	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200
Heat Exchanger	M-EXC-0025	M-EXC-0025	M-EXC-0035	M-EXC-0035	M-EXC-0035
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	M-INL-0025	M-INL-0025	M-INL-0050	M-INL-0050	M-INL-0050
Flexible steel tube (outlet)	N/A	N/A	M-OTL-0050	M-OTL-0050	M-OTL-0050
Expansion valve	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075
By-pass valve	N/A	N/A	N/A	N/A	N/A
separator	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	N/A	N/A	N/A	N/A	N/A
High Pressure Security switch	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200
Fan on/off switch	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200
Low pressure switch	N/A	N/A	N/A	N/A	N/A
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	N/A	N/A	N/A	N/A	N/A
Compressor Overload Protector	M-COP-0035-220-1-50-A	M-COP-0035-230-1-60-A	M-COP-0035-115-1-60-A	M-COP-0035-220-1-50-A	M-COP-0035-230-1-60-A
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325
On/off Button	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200

Component Name	RN-0025-220-1-50-A	RN-0025-230-1-60-A	RN-0035-115-1-60-A	RN-0035-220-1-50-A	RN-0035-230-1-60-A
Main Switch	N/A	N/A	N/A	N/A	N/A
Contactor	N/A	N/A	N/A	N/A	N/A
Phase protection relay	N/A	N/A	N/A	N/A	N/A
Fan Contactor	N/A	N/A	N/A	N/A	N/A
Transformer	N/A	N/A	N/A	N/A	N/A
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000
Solenoid Valve	N/A	N/A	M-SLV-0150-115	M-SLV-0200-230	M-SLV-0200-230
Membrane valve	N/A	N/A	N/A	N/A	N/A
Membrane	N/A	N/A	N/A	N/A	N/A
Water Separator	M-WSP-0050	M-WSP-0050	N/A	N/A	N/A
Cabinet Front	M-CFR-0025	M-CFR-0025	M-CFR-0050	M-CFR-0050	M-CFR-0050
Cabinet Side - Left	M-CLE-0025	M-CLE-0025	M-CLE-0050	M-CLE-0050	M-CLE-0050
Cabinet Side - Right	M-CRI-0025	M-CRI-0025	M-CRI-0050	M-CRI-0050	M-CRI-0050
Cabinet Rear	M-CRE-0025	M-CRE-0025	M-CRE-0050	M-CRE-0050	M-CRE-0050
Cabinet Top	M-CTO-0025	M-CTO-0025	M-CTO-0050	M-CTO-0050	M-CTO-0050
Cabinet Base	M-CBA-0025	M-CBA-0025	M-CBA-0050	M-CBA-0050	M-CBA-0050
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0025	M-CBL-0025	M-CBL-0050	M-CBL-0050	M-CBL-0050
Cabinet Frame Top	M-FRT-0025	M-FRT-0025	M-FRT-0050	M-FRT-0050	M-FRT-0050
Cabinette Horizontal profile 1	M-HP1-0025	M-HP1-0025	M-HP1-0050	M-HP1-0050	M-HP1-0050
Cabinette Horizontal profile 2	M-HP2-0025	M-HP2-0025	M-HP2-0050	M-HP2-0050	M-HP2-0050

Component Name	RN-0050-115-1-60-A	RN-0050-220-1-50-A	RN-0050-230-1-60-A	RN-0075-115-1-60-A	RN-0075-220-1-50-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-0050-115-1-60-A	M-CMP-0050-220-1-50-A	M-CMP-0050-230-1-60-A	M-CMP-0075-115-1-60-A	M-CMP-0075-220-1-50-A
compressor electric box	N/A	N/A	N/A	N/A	N/A
Condenser	M-CON-0050	M-CON-0050	M-CON-0050	M-CON-0075	M-CON-0075
Fan motor	M-FMT-0075-115-1-60	M-FMT-0075-220-1-50	M-FMT-0150-230-1-60	M-FMT-0075-115-1-60	M-FMT-0075-220-1-50
Fan Blade	M-FAN-0075	M-FAN-0075	M-FAN-0075	M-FAN-0075	M-FAN-0075
fan grill	M-GRL-0075	M-GRL-0075	M-GRL-0075	M-GRL-0075	M-GRL-0075
Drier-Dehydrator	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200
Heat Exchanger	M-EXC-0050	M-EXC-0050	M-EXC-0050	M-EXC-0075	M-EXC-0075
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	M-INL-0050	M-INL-0050	M-INL-0050	M-INL-0100	M-INL-0100
Flexible steel tube (outlet)	M-OTL-0050	M-OTL-0050	M-OTL-0050	M-OTL-0100	M-OTL-0100
Expansion valve	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075	M-EXV-0075
By-pass valve	N/A	N/A	N/A	N/A	N/A
separator	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	N/A	N/A	N/A	N/A	N/A
High Pressure Security switch	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200
Fan on/off switch	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200
Low pressure switch	N/A	N/A	N/A	N/A	N/A
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	N/A	N/A	N/A	N/A	N/A
Compressor Overload Protector	M-COP-0050-115-1-60-A	M-COP-0050-220-1-50-A	M-COP-0050-230-1-60-A	M-COP-0075-115-1-60-A	M-COP-0075-220-1-50-A
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325
On/off Button	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200

Component Name	RN-0050-115-1-60-A	RN-0050-220-1-50-A	RN-0050-230-1-60-A	RN-0075-115-1-60-A	RN-0075-220-1-50-A
Main Switch	N/A	N/A	N/A	N/A	N/A
Contactor	N/A	N/A	N/A	N/A	N/A
Phase protection relay	N/A	N/A	N/A	N/A	N/A
Fan Contactor	N/A	N/A	N/A	N/A	N/A
Transformer	N/A	N/A	N/A	N/A	N/A
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000
Solenoid Valve	M-SLV-0150-115	M-SLV-0200-230	M-SLV-0200-230	M-SLV-0150-115	M-SLV-0200-230
Membrane valve	N/A	N/A	N/A	N/A	N/A
Membrane	N/A	N/A	N/A	N/A	N/A
Water Separator	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0050	M-CFR-0050	M-CFR-0050	M-CFR-0075	M-CFR-0075
Cabinet Side - Left	M-CLE-0050	M-CLE-0050	M-CLE-0050	M-CLE-0075	M-CLE-0075
Cabinet Side - Right	M-CRI-0050	M-CRI-0050	M-CRI-0050	M-CRI-0075	M-CRI-0075
Cabinet Rear	M-CRE-0050	M-CRE-0050	M-CRE-0050	M-CRE-0075	M-CRE-0075
Cabinet Top	M-CTO-0050	M-CTO-0050	M-CTO-0050	M-CTO-0075	M-CTO-0075
Cabinet Base	M-CBA-0050	M-CBA-0050	M-CBA-0050	M-CBA-0075	M-CBA-0075
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0050	M-CBL-0050	M-CBL-0050	M-CBL-0075	M-CBL-0075
Cabinet Frame Top	M-FRT-0050	M-FRT-0050	M-FRT-0050	M-FRT-0075	M-FRT-0075
Cabinette Horizontal profile 1	M-HP1-0050	M-HP1-0050	M-HP1-0050	M-HP1-0075	M-HP1-0075
Cabinette Horizontal profile 2	M-HP2-0050	M-HP2-0050	M-HP2-0050	M-HP2-0075	M-HP2-0075

Component Name	RN-0075-230-1-60-A	RN-0100-115-1-60-A	RN-0100-230-1-60-A	RN-0125-115-1-60-A	RN-0125-220-1-50-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-0075-230-1-60-A	M-CMP-0100-115-1-60-A	M-CMP-0100-230-1-60-A	M-CMP-0125-115-1-60-A	M-CMP-125-220-1-50-A
compressor electric box	N/A	M-CEB-0100-115-1-60	M-CEB-0100-230-1-60	M-CEB-0125-115-1-60	M-CEB-0125-230-1-50
Condenser	M-CON-0075	M-CON-0100	M-CON-0100	M-CON-0150	M-CON-0150
Fan motor	M-FMT-0150-230-1-60	M-FMT-0150-115-1-60	M-FMT-0200-230-1-60	M-FMT-0150-115-1-60	M-FMT-0200-220-1-50
Fan Blade	M-FAN-0075	M-FAN-0150	M-FAN-0150	M-FAN-0150	M-FAN-0150
fan grill	M-GRL-0075	M-GRL-0150	M-GRL-0150	M-GRL-0150	M-GRL-0150
Drier-Dehydrator	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200
Heat Exchanger	M-EXC-0075	M-EXC-0125	M-EXC-0125	M-EXC-0125	M-EXC-0125
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	M-INL-0100	M-INL-0100	M-INL-0100	M-INL-0150	M-INL-0150
Flexible steel tube (outlet)	M-OTL-0100	M-OTL-0100	M-OTL-0100	M-OTL-0150	M-OTL-0150
Expansion valve	M-EXV-0075	M-EXV-0200	M-EXV-0200	M-EXV-0200	M-EXV-0200
By-pass valve	N/A	M-BYV-0100	M-BYV-0100	M-BYV-0200	M-BYV-0200
separator	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	N/A	N/A	N/A	N/A	N/A
High Pressure Security switch	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200
Fan on/off switch	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200
Low pressure switch	N/A	N/A	N/A	N/A	N/A
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	N/A	N/A	N/A	N/A	N/A
Compressor Overload Protector	M-COP-0075-230-1-60-A	M-COP-0100-115-1-60-A	M-COP-0100-230-1-60-A	M-COP-0125-115-1-60-A	M-COP-125-220-1-50-A
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325
On/off Button	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200

Component Name	RN-0075-230-1-60-A	RN-0100-115-1-60-A	RN-0100-230-1-60-A	RN-0125-115-1-60-A	RN-0125-220-1-50-A
Main Switch	N/A	N/A	N/A	N/A	N/A
Contactor	N/A	N/A	N/A	N/A	N/A
Phase protection relay	N/A	N/A	N/A	N/A	N/A
Fan Contactor	N/A	N/A	N/A	N/A	N/A
Transformer	N/A	N/A	N/A	N/A	N/A
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000
Solenoid Valve	M-SLV-0200-230	M-SLV-0150-115	M-SLV-0200-230	M-SLV-0150-115	M-SLV-0200-230
Membrane valve	N/A	N/A	N/A	N/A	N/A
Membrane	N/A	N/A	N/A	N/A	N/A
Water Separator	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0075	M-CFR-0100	M-CFR-0100	M-CFR-0150	M-CFR-0150
Cabinet Side - Left	M-CLE-0075	M-CLE-0100	M-CLE-0100	M-CLE-0150	M-CLE-0150
Cabinet Side - Right	M-CRI-0075	M-CRI-0100	M-CRI-0100	M-CRI-0150	M-CRI-0150
Cabinet Rear	M-CRE-0075	M-CRE-0100	M-CRE-0100	M-CRE-0150	M-CRE-0150
Cabinet Top	M-CTO-0075	M-CTO-0100	M-CTO-0100	M-CTO-0150	M-CTO-0150
Cabinet Base	M-CBA-0075	M-CBA-0100	M-CBA-0100	M-CBA-0150	M-CBA-0150
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0075	M-CBL-0100	M-CBL-0100	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0075	M-FRT-0100	M-FRT-0100	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0075	M-HP1-0100	M-HP1-0100	M-HP1-0150	M-HP1-0150
Cabinette Horizontal profile 2	M-HP2-0075	M-HP2-0100	M-HP2-0100	M-HP2-0150	M-HP2-0150

Component Name	RN-0125-230-1-60-A	RN-0150-115-1-60-A	RN-0150-230-1-60-A	RN-0175-220-1-50-A	RN-0175-230-1-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-0150-230-1-60-A	M-CMP-0150-115-1-60-A	M-CMP-0150-230-1-60-A	M-CMP-0200-220-1-50-A	M-CMP-0200-230-1-60-A
compressor electric box	M-CEB-0150-230-1-60	M-CEB-0150-115-1-60	M-CEB-0150-230-1-60	M-CEB-0200-220-1-050	M-CEB-0200-230-1-60
Condenser	M-CON-0150	M-CON-0150	M-CON-0150	M-CON-0175	M-CON-0175
Fan motor	M-FMT-0200-230-1-60	M-FMT-0150-115-1-60	M-FMT-0200-230-1-60	M-FMT-0200-220-1-50	M-FMT-0200-230-1-60
Fan Blade	M-FAN-0150	M-FAN-0150	M-FAN-0150	M-FAN-0200	M-FAN-0200
fan grill	M-GRL-0150	M-GRL-0150	M-GRL-0150	M-GRL-0200	M-GRL-0200
Drier-Dehydrator	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200	M-DRI-0200
Heat Exchanger	M-EXC-0125	M-EXC-0200	M-EXC-0200	M-EXC-0200	M-EXC-0200
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	M-INL-0150	M-INL-0150	M-INL-0150	M-INL-0200	M-INL-0200
Flexible steel tube (outlet)	M-OTL-0150	M-OTL-0150	M-OTL-0150	M-OTL-0200	M-OTL-0200
Expansion valve	M-EXV-0200	M-EXV-0200	M-EXV-0200	M-EXV-0200	M-EXV-0200
By-pass valve	M-BYV-0200	M-BYV-0200	M-BYV-0200	M-BYV-0200	M-BYV-0200
separator	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	N/A	N/A	N/A	N/A	N/A
High Pressure Security switch	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200	M-HPS-0200
Fan on/off switch	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200	M-FNS-0200
Low pressure switch	N/A	N/A	N/A	N/A	N/A
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	N/A	N/A	N/A	N/A	N/A
Compressor Overload Protector	M-COP-0150-230-1-60-A	M-COP-0150-115-1-60-A	M-COP-0150-230-1-60-A	M-COP-0200-220-1-50-A	M-COP-0200-230-1-60-A
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325
On/off Button	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200	M-ONB-0200

Component Name	RN-0125-230-1-60-A	RN-0150-115-1-60-A	RN-0150-230-1-60-A	RN-0175-220-1-50-A	RN-0175-230-1-60-A
Main Switch	N/A	M-MNS-0700	N/A	N/A	N/A
Contactor	N/A	N/A	N/A	N/A	N/A
Phase protection relay	N/A	N/A	N/A	N/A	N/A
Fan Contactor	N/A	N/A	N/A	N/A	N/A
Transformer	N/A	N/A	N/A	N/A	N/A
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000
Solenoid Valve	M-SLV-0200-230	M-SLV-0150-115	M-SLV-0200-230	M-SLV-0200-230	M-SLV-0200-230
Membrane valve	N/A	N/A	N/A	N/A	N/A
Membrane	N/A	N/A	N/A	N/A	N/A
Water Separator	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0150	M-CFR-0150	M-CFR-0150	M-CFR-0200	M-CFR-0200
Cabinet Side - Left	M-CLE-0150	M-CLE-0150	M-CLE-0150	M-CLE-0200	M-CLE-0200
Cabinet Side - Right	M-CRI-0150	M-CRI-0150	M-CRI-0150	M-CRI-0200	M-CRI-0200
Cabinet Rear	M-CRE-0150	M-CRE-0150	M-CRE-0150	M-CRE-0200	M-CRE-0200
Cabinet Top	M-CTO-0150	M-CTO-0150	M-CTO-0150	M-CTO-0200	M-CTO-0200
Cabinet Base	M-CBA-0150	M-CBA-0150	M-CBA-0150	M-CBA-0200	M-CBA-0200
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200	M-PDC-0200
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0150	M-HP1-0150	M-HP1-0150	M-HP1-0200	M-HP1-0200
Cabinette Horizontal profile 2	M-HP2-0150	M-HP2-0150	M-HP2-0150	M-HP2-0200	M-HP2-0200

Component Name	RN-0200-220-1-50-A	RN-0200-230-1-60-A	RN-0250-220-1-50-A	RN-0250-230-1-60-A	RN-0250-230-3-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-0200-220-1-50-A	M-CMP-0200-230-1-60-A	M-CMP-250-220-1-50-A	M-CMP-250-230-1-60-A	M-CMP-250-230-3-60-A
compressor electric box	M-CEB-0200-220-1-050	M-CEB-0200-230-1-60	N/A	N/A	N/A
Condenser	M-CON-0200	M-CON-0200	M-CON-0325	M-CON-0325	M-CON-0325
Fan motor	M-FMT-0200-220-1-50	M-FMT-0200-230-1-60	M-FMT-0325-220-1-50	M-FMT-0250-230-1-60	M-FMT-0700-460-3-60
Fan Blade	M-FAN-0200	M-FAN-0200	N/A	N/A	N/A
fan grill	M-GRL-0200	M-GRL-0200	N/A	N/A	N/A
Drier-Dehydrator	M-DRI-0200	M-DRI-0200	M-DRI-1000	M-DRI-1000	M-DRI-1000
Heat Exchanger	M-EXC-0200	M-EXC-0200	2 x M-EXC-125	2 x M-EXC-125	2 x M-EXC-125
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	M-INL-0200	M-INL-0200	N/A	N/A	N/A
Flexible steel tube (outlet)	M-OTL-0200	M-OTL-0200	N/A	N/A	N/A
Expansion valve	M-EXV-0200	M-EXV-0200	M-EXV-0850	M-EXV-0850	M-EXV-0850
By-pass valve	M-BYV-0200	M-BYV-0200	M-BYV-1000	M-BYV-1000	M-BYV-1000
separator	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	N/A	N/A	M-RCV-0850	M-RCV-0850	M-RCV-0850
High Pressure Security switch	M-HPS-0200	M-HPS-0200	M-HPS-1000	M-HPS-1000	M-HPS-1000
Fan on/off switch	M-FNS-0200	M-FNS-0200	M-FNS-0400	M-FNS-0400	M-FNS-0400
Low pressure switch	N/A	N/A	M-LPS-1000	M-LPS-1000	M-LPS-1000
Thermostatic switch	N/A	N/A	M-THS-0325	M-THS-0325	M-THS-0325
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	N/A	N/A	N/A	N/A	M-FOP-3000
Compressor Overload Protector	M-COP-0200-220-1-50-A	M-COP-0200-230-1-60-A	M-COP-250-220-1-50-A	M-COP-250-230-1-60-A	M-COP-250-230-3-60-A
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325
On/off Button	M-ONB-0200	M-ONB-0200	N/A	N/A	M-ONB-3000

Component Name	RN-0200-220-1-50-A	RN-0200-230-1-60-A	RN-0250-220-1-50-A	RN-0250-230-1-60-A	RN-0250-230-3-60-A
Main Switch	N/A	N/A	M-MNS-0700	M-MNS-0700	M-MNS-0700
Contactor	N/A	N/A	N/A	N/A	M-CNT-0400
Phase protection relay	N/A	N/A	N/A	N/A	M-PPR-1000
Fan Contactor	N/A	N/A	N/A	N/A	M-FCN-1000
Transformer	N/A	N/A	N/A	N/A	M-TRF-1000
Secondary contact	N/A	N/A	M-SEC-1000	M-SEC-1000	M-SEC-1000
Timer	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000
Solenoid Valve	M-SLV-0200-230	M-SLV-0200-230	M-SLV-0200-230	M-SLV-0200-230	M-SLV-3000-24
Membrane valve	N/A	N/A	M-MMV-1000	M-MMV-1000	M-MMV-1000
Membrane	N/A	N/A	M-MMM-1000	M-MMM-1000	M-MMM-1000
Water Separator	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0200	M-CFR-0200	M-CFR-0400	M-CFR-0400	M-CFR-0400
Cabinet Side - Left	M-CLE-0200	M-CLE-0200	M-CLE-0400	M-CLE-0400	M-CLE-0400
Cabinet Side - Right	M-CRI-0200	M-CRI-0200	M-CRI-0400	M-CRI-0400	M-CRI-0400
Cabinet Rear	M-CRE-0200	M-CRE-0200	M-CRE-0400	M-CRE-0400	M-CRE-0400
Cabinet Top	M-CTO-0200	M-CTO-0200	M-CTO-0400	M-CTO-0400	M-CTO-0400
Cabinet Base	M-CBA-0200	M-CBA-0200	M-CBA-0400	M-CBA-0400	M-CBA-0400
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	M-PDC-0200	M-PDC-0200	N/A	N/A	N/A
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0200	M-HP1-0200	M-HP1-0400	M-HP1-0400	M-HP1-0400
Cabinette Horizontal profile 2	M-HP2-0200	M-HP2-0200	M-HP2-0400	M-HP2-0400	M-HP2-0400

Component Name	RN-0250-460-3-60-A	RN-0250-575-3-60-A	RN-0325-220-1-50-A	RN-0325-230-3-60-A	RN-0325-460-3-60-A	RN-0325-575-3-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-250-460-3-60-A	BELLİ DEĞİL	M-CMP-325-220-1-50-A	M-CMP-325-230-3-60-A	M-CMP-325-460-3-60-A	M-CMP-325-575-3-60-A
compressor electric box	N/A	N/A	N/A	N/A	N/A	N/A
Condenser	M-CON-0325	M-CON-0325	M-CON-0325	M-CON-0325	M-CON-0325	M-CON-0325
Fan motor	M-FMT-0700-460-3-60	BELLİ DEĞİL	M-FMT-0325-220-1-50	M-FMT-0700-460-3-60	M-FMT-0700-460-3-60	M-FMT-0700-575-3-60
Fan Blade	N/A	N/A	N/A	N/A	N/A	N/A
fan grill	N/A	N/A	N/A	N/A	N/A	N/A
Drier-Dehydrator	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000
Heat Exchanger	2 x M-EXC-125	2 x M-EXC-125	2 x M-EXC-200	2 x M-EXC-200	2 x M-EXC-200	2 x M-EXC-200
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	N/A	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (outlet)	N/A	N/A	N/A	N/A	N/A	N/A
Expansion valve	M-EXV-0850	M-EXV-0850	M-EXV-1000	M-EXV-1000	M-EXV-1000	TN2 No:4
By-pass valve	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000
separator	N/A	N/A	N/A	N/A	N/A	N/A
Liquid Receiver	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850
High Pressure Security switch	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000
Fan on/off switch	M-FNS-0400	M-FNS-0400	M-FNS-0400	M-FNS-0400	M-FNS-0400	M-FNS-0400
Low pressure switch	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000
Thermostatic switch	M-THS-0325	M-THS-0325	M-THS-0325	M-THS-0325	M-THS-0325	M-THS-0325
Water pressure Switch	N/A	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A	N/A
Microprosessor	N/A	N/A	N/A	N/A	N/A	N/A
Fan Overload Protector	M-FOP-3000	M-FOP-3000		M-FOP-3000	M-FOP-3000	M-FOP-3000
Compressor Overload Protector	M-COP-250-460-3-60-A	BELLİ DEĞİL	M-COP-325-220-1-50-A	M-COP-325-230-3-60-A	M-COP-325-460-3-60-A	BELLİ DEĞİL
Thermostatic Gauge	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325	M-THG-0325
On/off Button	M-ONB-3000	M-ONB-3000	M-ONB-3000	M-ONB-3000	M-ONB-3000	M-ONB-3000

Component Name	RN-0250-460-3-60-A	RN-0250-575-3-60-A	RN-0325-220-1-50-A	RN-0325-230-3-60-A	RN-0325-460-3-60-A	RN-0325-575-3-60-A
Main Switch	M-MNS-0700	M-MNS-0700	M-MNS-0700	M-MNS-0700	M-MNS-0700	M-MNS-0700
Contactor	M-CNT-0400	M-CNT-0400	N/A	M-CNT-0400	M-CNT-0400	M-CNT-0400
Phase protection relay	M-PPR-1000	M-PPR-1000	N/A	M-PPR-1000	M-PPR-1000	M-PPR-1000
Fan Contactor	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000
Transformer	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000
Secondary contact	M-SEC-1000	M-SEC-1000	M-SEC-1000	M-SEC-1000	M-SEC-1000	M-SEC-1000
Timer	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000	M-TMR-3000
Solenoid Valve	M-SLV-3000-24	M-SLV-0200-230	M-SLV-0200-230	M-SLV-3000-24	M-SLV-3000-24	M-SLV-0200-230
Membrane valve	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000
Membrane	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000
Water Separator	N/A	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0400	M-CFR-0400	M-CFR-0400	M-CFR-0400	M-CFR-0400	M-CFR-0400
Cabinet Side - Left	M-CLE-0400	M-CLE-0400	M-CLE-0400	M-CLE-0400	M-CLE-0400	M-CLE-0400
Cabinet Side - Right	M-CRI-0400	M-CRI-0400	M-CRI-0400	M-CRI-0400	M-CRI-0400	M-CRI-0400
Cabinet Rear	M-CRE-0400	M-CRE-0400	M-CRE-0400	M-CRE-0400	M-CRE-0400	M-CRE-0400
Cabinet Top	M-CTO-0400	M-CTO-0400	M-CTO-0400	M-CTO-0400	M-CTO-0400	M-CTO-0400
Cabinet Base	M-CBA-0400	M-CBA-0400	M-CBA-0400	M-CBA-0400	M-CBA-0400	M-CBA-0400
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	N/A	N/A	N/A	N/A	N/A	N/A
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0400	M-HP1-0400	M-HP1-0400	M-HP1-0400	M-HP1-0400	M-HP1-0400
Cabinette Horizontal profile 2	M-HP2-0400	M-HP2-0400	M-HP2-0400	M-HP2-0400	M-HP2-0400	M-HP2-0400

NOTES

Section 4
E-680 CONTROLLER FOR REFRIGERANT DRYERS

4.1 DESCRIPTION

The RD product is effectively the RN product with a E-680 Controller. Refer to Section 3.

E-680 is designed as a controller for refrigerant type compressed air dryers. The controller has 8 temperature sensor inputs. Each channel can be configured for type J, type K thermocouple or Pt-100 resistance thermometer. These inputs are used to measure the temperatures at various points in the dryer. The controller has also 8 digital (relay) outputs and 16 digital inputs. The digital outputs are taken through the normally open contacts of the output relays. The contact rating of the output relays are 10A at 250 V AC Digital inputs are activated by 24V DC or AC.

The controller has an RS-485 communication interface that can be used for remotely monitoring channel temperatures, set points, input and output states. Modbus RTU protocol is used for communication.

The front panel of the controller contains a four line 20 character LCD display and 10 buttons that are used in configuration and manual control operations.

The dimensions of the controller are 96 x 192 mm (front panel) with a depth of 110 mm. The panel cutout should be 90x185 mm. The operating voltage of the controller is 20 - 60V AC or 20 - 85V DC.

4.2 OPERATION

The front panel view of E-680 controller is given in *Figure 4-1*. The front panel of the controller contains a four line 20 character LCD display, 9 buttons and one alarm indicator LED.

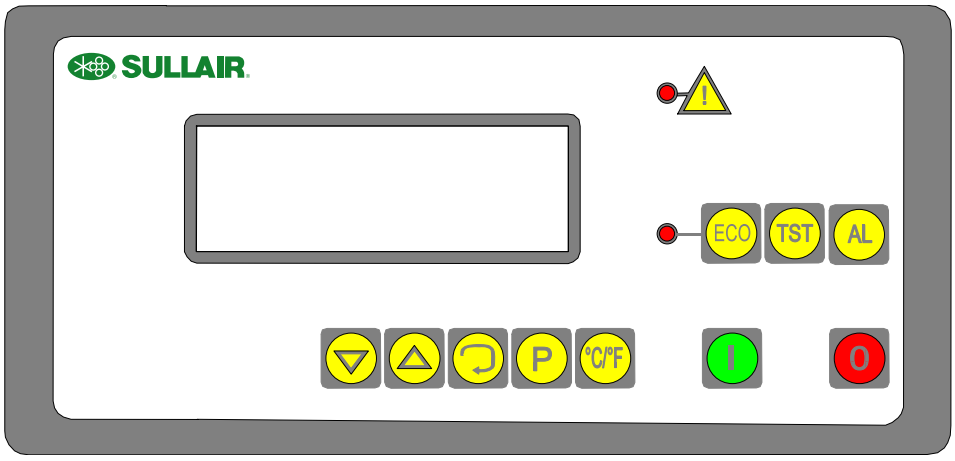


Figure 4-1: The Front Panel View of E-680 Controller

The buttons below the LCD display (, , , and) are used in configuration operations.

button is used for manual control of the drain output. While in normal operation, the drain output is controlled according to the configured “drain on” and

"drain off" periods. When TEST button is pressed the drain output is activated even if the dryer is in off state.

The dryer is automatically stopped if an anomaly is detected. In that case, the alarm output and the alarm indicator LED on the front panel become activated. In order to restart the dryer, alarm should be acknowledged and "restart delay" period should be timed out. Pressing AL button acknowledges the alarm and deenergizes the alarm output and alarm LED.

and buttons are used for starting and stopping the dryer respectively. If the dryer is stopped manually, it can not be started before "restart delay" period is timed out.

4.2.1 1. External Connections

The back panel view and the connection terminals of E-680 controller are given in *Figure 4-2*.

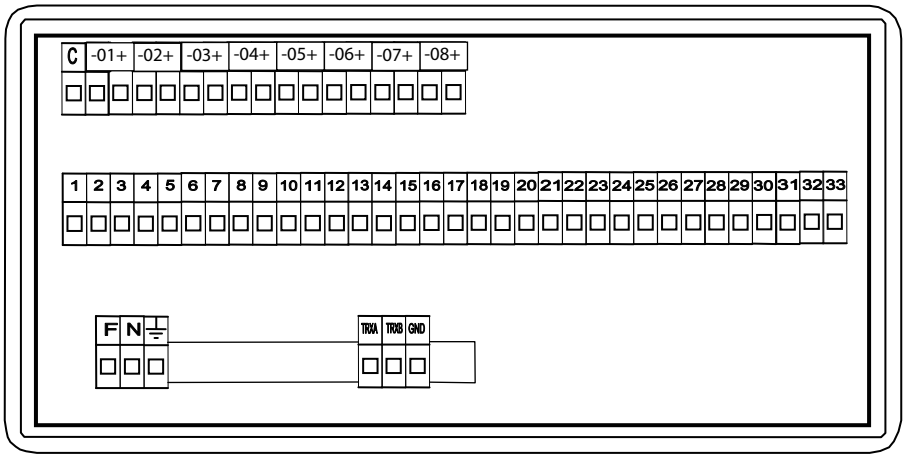


Figure 4-2: The Backpanel View of E-680 Controller

Terminals in the Upper Row

These terminals are used for temperature sensors (Pt-100).

- 01 Inlet Air Temperature.
- 02 Exchanger Temperature.
- 03 Low Pressure Line Temperature.
- 04 High Pressure Line Temperature.
- 05 Ambient Temperature.
- 06 Auxiliary Channel Temperature. This temperature can be monitored, but sensor break has no effect on the operation of the controller.
- 07 Spare Channel 1.
- 08 Spare Channel 2.

Spare channels are measured by the controller, but can not be monitored and sensor break for these channels has no effect on the operation of the controller.

Terminals in the Middle Row

These terminals are used for digital outputs and digital inputs. The names and the functions in the order of the terminal numbers are given in the following table.

T.No	Name	Function
1	COMM. For D. Out 1-4	
2	COMM. For D. Out 1-4	
3	D. OUTPUT 1	Compressor Motor
4	D. OUTPUT 2	Drain Output (Normal)
5	D. OUTPUT 3	Dryer is Running.
6	D. OUTPUT 4	Dryer is Stoppd. In case of fault, the output flashes.
7	-	
8	COMM. For D. Out 5-8	

T.No	Name	Function
9	COMM. For D. Out 5-8	
10	D. OUTPUT 5	Drain Output (Inverted)
11	D. OUTPUT 6	Spare
12	D. OUTPUT 7	Spare
13	D. OUTPUT 8	Alarm Output (Horn)
14	-	
15	COMM. For D. INPUTS	
16	COMM. For D. INPUTS	
17	COMM. For D. INPUTS	
18	D. INPUT 1	Remote Start (Press and Release)
19	D. INPUT 2	Remote Stop (Press and Release)
20	D. INPUT 3	Compressor Fault
21	D. INPUT 4	Compressor Overload
22	D. INPUT 5	Fan Fault
23	D. INPUT 6	Fan Overload
24	D. INPUT 7	Phase Sequence Error
25	D. INPUT 8	Remote Disable
26	D. INPUT 9	Fan Motor is On
27	D. INPUT 10	Configuration Enable
28	D. INPUT 11	Spare
29	D. INPUT 12	Spare
30	D. INPUT 13	Spare
31	D. INPUT 14	Spare
32	D. INPUT 15	Spare
33	D. INPUT 16	Spare

The contact rating of each output relay is 10A at 250 V AC.

Digital inputs are activated by 24V DC or AC.

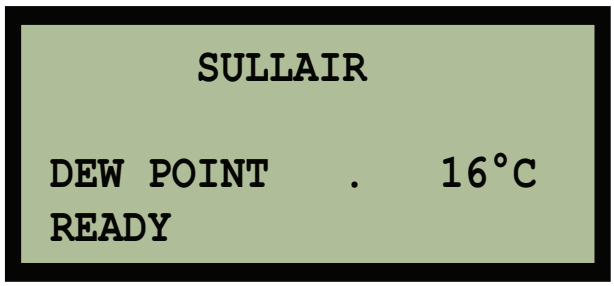
TERMINALS IN THE LOWER ROW

The first 3 terminals are for operating voltage. (Phase, Neutral and Ground) The ground terminal should be connected to the chassis of the dryer.

The last 3 terminals are for RS-485 communication line.

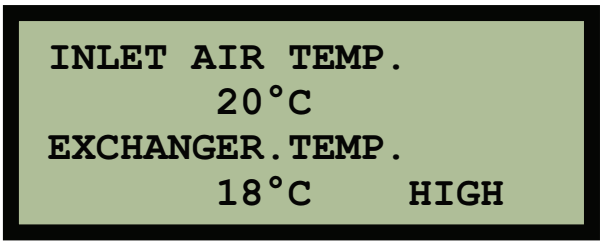
4.2.2 NORMAL OPERATION

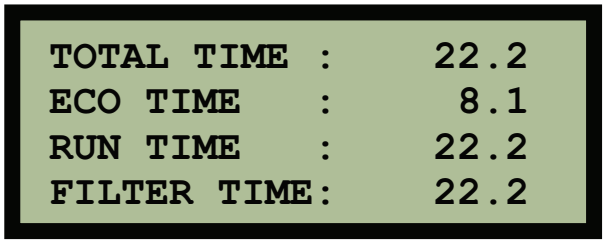
When the controller is powered on it displays the type and version message and then normal operation screen is displayed as shown below.

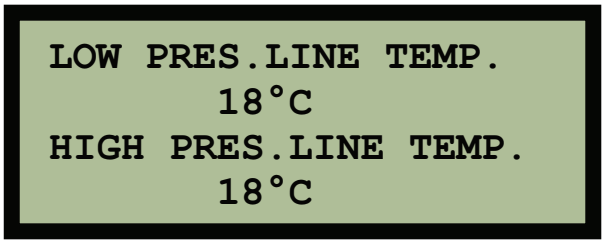


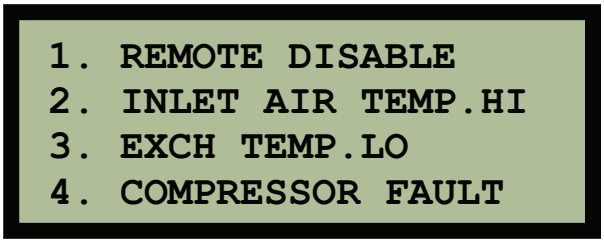
The exchanger temperature and operation state of the dryer is displayed in this screen. Sequentially pressing button display other info related to the dryer in 8 different screens. While one screen is displayed, pressing button reverts to the normal operation screen. The views of the screens in sequence of the appearance are shown below.

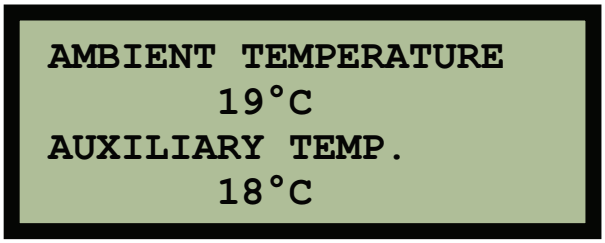
.....

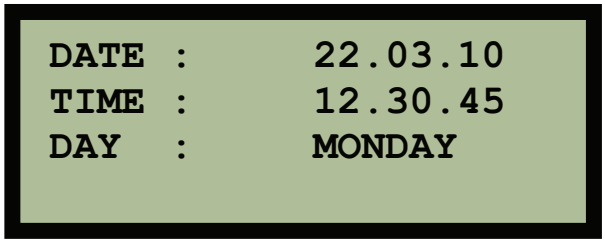

INLET AIR TEMP.
20°C
EXCHANGER.TEMP.
18°C HIGH

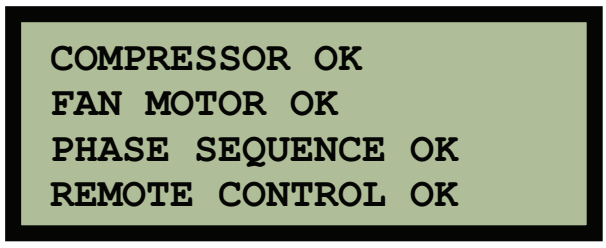

TOTAL TIME : 22.2
ECO TIME : 8.1
RUN TIME : 22.2
FILTER TIME: 22.2

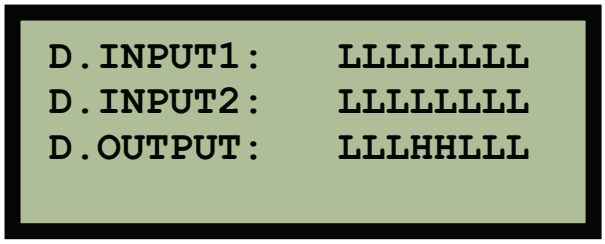

LOW PRES.LINE TEMP.
18°C
HIGH PRES.LINE TEMP.
18°C


1. REMOTE DISABLE
2. INLET AIR TEMP.HI
3. EXCH TEMP.LO
4. COMPRESSOR FAULT


AMBIENT TEMPERATURE
19°C
AUXILIARY TEMP.
18°C


DATE : 22.03.10
TIME : 12.30.45
DAY : MONDAY


COMPRESSOR OK
FAN MOTOR OK
PHASE SEQUENCE OK
REMOTE CONTROL OK


D.INPUT1: LLLLLLLL
D.INPUT2: LLLLLLLL
D.OUTPUT: LLLHHLLL

In the first 3 screens the sensor temperatures are displayed. If the measured temperatures are between their low and high limits, only the temperature value is displayed, otherwise ‘LOW’ or ‘HIGH’ message is added in the end of the line. In case of sensor break, only ‘SENSOR BREAK’ message is displayed.

The fourth screen displays the states of the compressor motor, fan motor, the phase sequence and remote disable. This information is compiled from the digital inputs. (Digital Inputs 3 to 8)

In the first two line of the fifth screen the total and ECO operation durations of the dryer are displayed. These values can not be reset. The third line displays the run time since the last maintenance. The fourth line indicates the filter usage time. If these times exceed their set values (see section 2.3.3.), i.e. general maintenance period and filter change period, a flashing warning with a message ‘MAINTENANCE’ or ‘REPLACE FILTER’ is displayed in the fourth line of the display.

The sixth screen displays the last four events that caused the dryer to be stopped automatically.

The seventh screen displays the date and time.

The eighth screen displays the states of the digital inputs and digital outputs. The letters ‘L’ and ‘H’ stands for ‘not activated’ and ‘activated’ states respectively.

In order to start the dryer, all the temperatures except the exchanger temperature must be between their low and high limits. The low pressure line temperature can be ‘HIGH’. Digital inputs 3 to 8 should not be activated. If this is not the case, instead of ‘READY’ message, ‘DISABLED’ message is displayed in the normal operation screen.

When the dryer is started, the normal operation screen is displayed as shown below..

```
      SULLAIR

DEW POINT    .    16°C
READY
```

If the drain output is activated, ‘DRAIN ON’ message is displayed at the end of the last line. While the fan motor is running, ‘FAN MOTOR IS ON’ message is displayed in the second line. In ECO mode the appearance of the display is given below..

```
      SULLAIR
ECO(SEC.)   :     234
DEW POINT         8°C
RUNNING
```

The value at the end of the second row indicates the time in seconds since beginning of the ECO mode.

If the dryer is stopped automatically because of an anomaly, or manually by using button, the normal operating screen is displayed as shown below.

```
      SULLAIR

DEW POINT        16°C
DISABLED          127
```

The number at the end of the last line indicates the remaining time in seconds from the restart delay. If this number becomes zero and there is no anomaly, the dryer can be restarted.

button is used to change the temperature unit from ºC to ºF or vice versa. When this button is pressed, the control operation stops about 3 seconds and all the temperature values are converted to the selected unit.

The first line in the normal operation display (MIKROPOR) is user configurable.

4.2.3 CONFIGURATION MODE

In order to enter into configuration mode, P button must be pressed at least 3 second duration. After this operation security code is asked. Security code is adjusted by ▽ and △ buttons. After adjusting the security code and pressing ↵ button, accesses the "General Parameters Page". Here, ▽ and △ buttons can be used to select the other pages. When a page is selected, pressing ↵ button accesses the first parameter in that page. Successively pressing ↵ button will display the other parameters in that page. After the last parameter or pressing button more than two seconds, reverts to the top of that page where a different page can be selected. When a parameter is selected, its value can be edited by ▽ and △ buttons. In anywhere in the configuration pages, pressing P button quits the configuration mode and reverts to the normal operation.

If the entered security code is not correct, all the parameters except "Security Code" parameter in the "General Parameters Page" can be accessed but no modification is allowed.

The value of the security code is determined by the parameter "Security Code" in the "General Parameters Page". The factory setting of the security code is "10".

The Configuration Pages and the parameters in the configuration pages are given below.

GENERAL PARAMETERS PAGE

1. Language
2. Communication Address
3. Baud Rate
4. Parity
5. Message Text
6. Security Code

TEMPERATURE SET POINTS PAGE (FACTORY SETTINGS)

1. Inlet Air Temp. / Low Alarm Setpoint (32°F/0°C)
2. Inlet Air Temp. / High Alarm Setpoint (131°F/55°C)
3. Exchanger Temp. / Low Alarm Setpoint (27°F)/-3°C)
4. Exchanger Temp. / High Alarm Setpoint (68°F/20°C)
5. Low Pressure Line Temp. / Low Alarm Setpoint (23°F/-5°C)
6. Low Pressure Line Temp. / High Alarm Setpoint (113°F/45°C)
7. High Pressure Line Temp. / Low Alarm Setpoint (32°F/0°C)
8. High Pressure Line Temp. / High Alarm Setpoint (194°F/90°C)
9. Ambient Temperature / Low Alarm Setpoint (32°F/0°C)
10. Ambient Temperature / High Alarm Setpoint (131°F/55°C)
11. Exchanger Temp. / ECO Start Setpoint (38°F/3°C)
12. Exchanger Temp. / ECO End Setpoint (50°F/10°C)
13. Condensor Temp. Diff. Set Point (41°F/5°C)

TIME PARAMETERS PAGE

1. Exchanger Temp. / Alarm Delay (Minute)
2. ECO Start Delay (Minute)
3. Low Pressure Line Temp. / High Alarm Delay (Minute)
4. Restart Delay (Second)
5. Drain Off Time (Minute)
6. Drain On Time (Second)
7. Filter Change Period (Hour)
8. General Maintenance Period (Hour)

DATE-TIME ADJUST PAGE

1. Minutes
2. Hours
3. Date
4. Month
5. Year
6. Confirm (Y/N)

ANALOG INPUT PARAMETERS PAGE

1. 1. Channel Offset
2. 2. Channel Offset

3. 3. Channel Offset
4. 4. Channel Offset
5. 5. Channel Offset
6. 6. Channel Offset
7. 7. Channel Offset
8. 8. Channel Offset
9. 1. Channel Input Type
10. 2. Channel Input Type
11. 3. Channel Input Type
12. 4. Channel Input Type
13. 5. Channel Input Type
14. 6. Channel Input Type
15. 7. Channel Input Type
16. 8. Channel Input Type

2.3.6. CALIBRATION PAGE

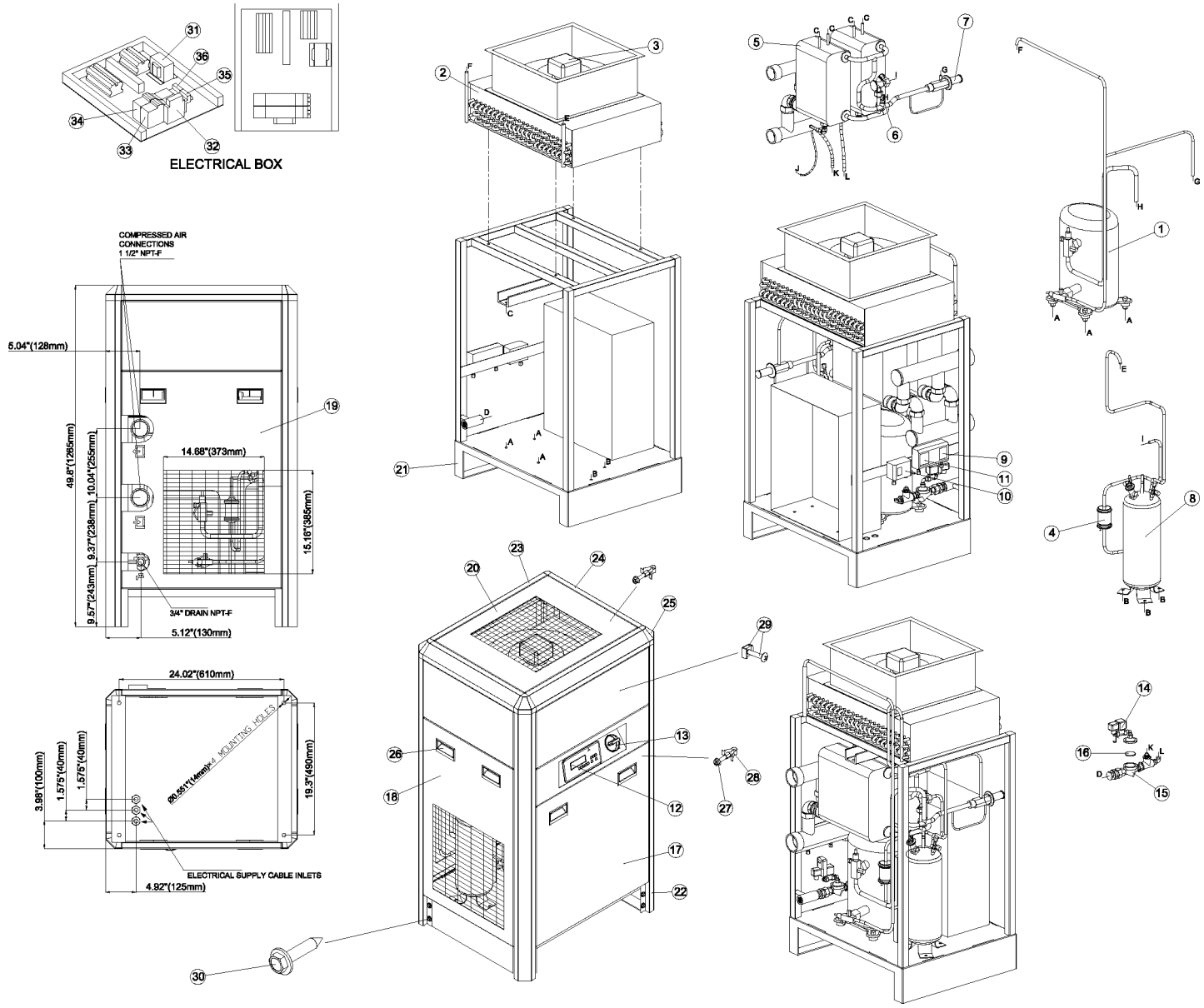
1. 50mV Cal (Channel 1)
2. 0°C Cal. (Channel 1)
3. Ambient Temp. Cal. (Channel 1)
4. 1. RT Cal. (390 ohm)
5. 2. RT Cal. (390 ohm)
6. 3. RT Cal. (390 ohm)
7. 4. RT Cal. (390 ohm)
8. 5. RT Cal. (390 ohm)
9. 6. RT Cal. (390 ohm)
10. 7. RT Cal. (390 ohm)
11. 8. RT Cal. (390 ohm)

The 7th and 8th Parameters in the “Time Parameters Page” (Filter Change Period and Maintenance Period) and all the parameters in “Calibration Page” can not be edited unless the Digital Input 10 is activated (Configuration Enable).

While ‘Filter Change Period’ parameter is selected, pressing the buttons and simultaneously, resets the FILTER TIME to 0.0.

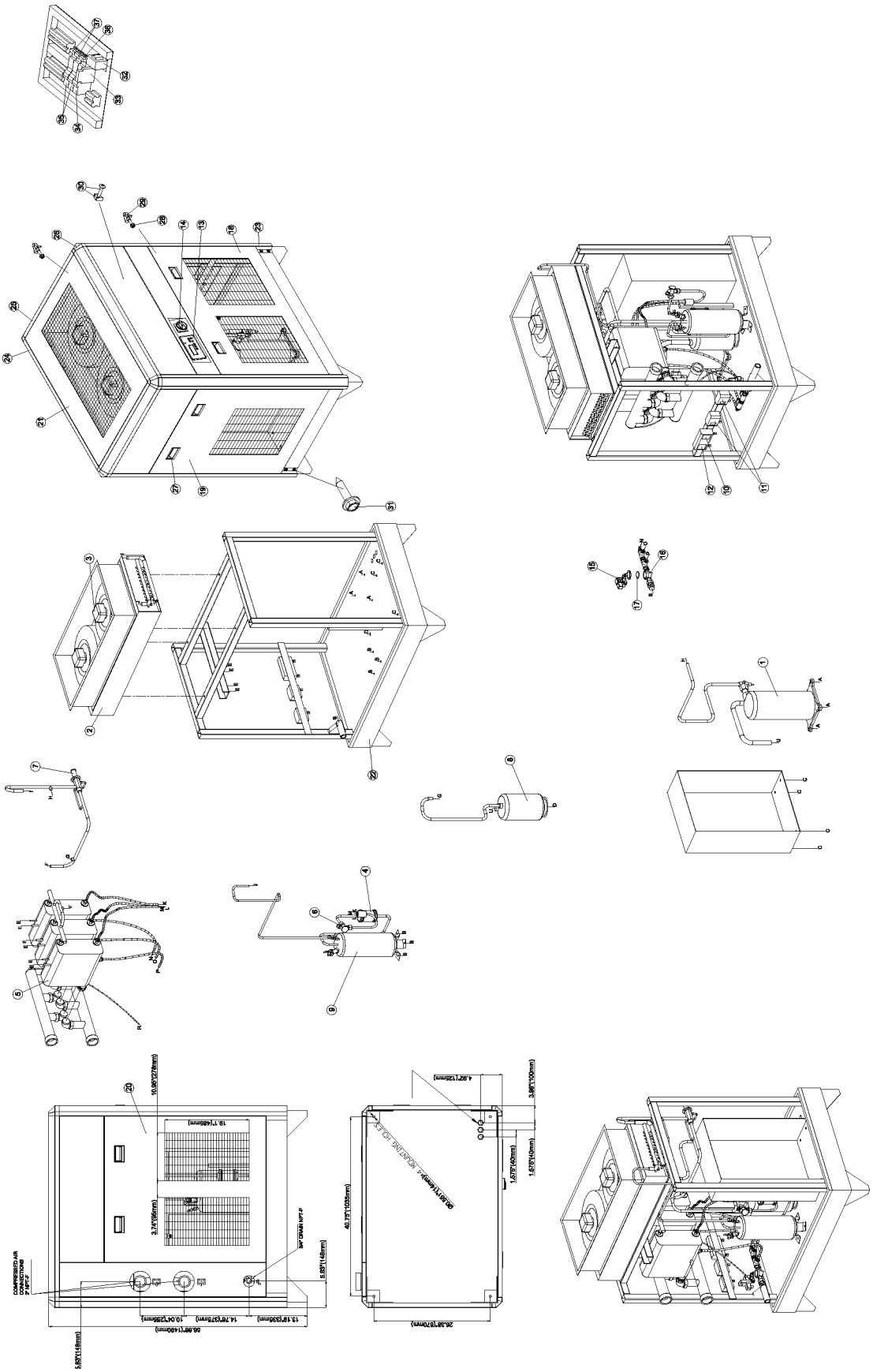
While ‘Maintenance Period’ parameter is selected, pressing the buttons and simultaneously, resets the RUN TIME to 0.0.

4.3 ED—RD400


ELECTRICAL BOX
COMPRESSED AIR CONNECTIONS 1 1/2" NPT-F
5.04"(128mm)
49.8"(1265mm)
10.04"(255mm)
9.37"(238mm)
9.57"(243mm)
14.68"(373mm)
15.16"(385mm)
3/4" DRAIN NPT-F
5.12"(130mm)
24.02"(610mm)
Ø0.551"(14mm)x4 MOUNTING HOLES
3.98"(100mm)
1.575"(40mm)
1.575"(40mm)
19.3"(490mm)
ELECTRICAL SUPPLY CABLE INLETS
4.92"(125mm)

4.3 ED—RD400

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0400-460-3-60-A	COMPRESSOR	1
2	M-CON-0400	CONDENSOR	1
3	M-FMF-0700-460-3-60	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER-DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	2
6	M-EXV-1000	EXPANSION VALVE	1
7	M-BYY-1000	BY PASS VALVE	1
8	M-RCV-0850	LIQUID RECEIVER	1
9	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
10	M-FNS-0400	FAN ON/OFF SWITCH	1
11	M-LPS-1000	LOW PRESSURE SWITCH	1
12	M-MKP-1000	MIKROPROCESSOR	1
13	M-MNS-0700	MAIN SWITCH	1
14	M-SLV-3000-24	SOLENOID VALVE	1
15	M-MMV-3000	MEMBRANE VALVE	1
16	M-MMM-3000	MEMBRANE	1
17	M-CFR-0400	CABINET FRONT	1
18	M-CSI-0400	CABINET SIDE	2
19	M-CRE-0400	CABINET REAR	1
20	M-CTO-0400	CABINET TOP	1
21	M-CBA-0400	CABINET BASE	1
22	M-CBL-0400	CABINET LEG	4
23	M-HP1-0400	CABINETHORIZONTAL PROFILE 1	2
24	M-HP2-0400	CABINET HORIZONTAL PROFILE 2	2
25	M-CTC-3000	CABINET TOP CORNER	4
26	M-CPS-3000	CABINET HANDLE	8
27	M-STU-3000	CABINET STUD AND NUT	12
28	M-FAS-3000	CABINET FASTENER	12
29	M-NUT-3000	CAGE NUT AND SCREW	16
30	M-SCR-3000	SCREW TYPE 2	16
31	M-TRF-1000	TRANSFORMER	1
32	M-PPR-1000	PHASE PROTECTION RELAY	1
33	M-CNT-0400	CONTACTOR	1
34	M-FCN-1000	FAN CONTACTOR	1
35	M-COP-0400-460-3-60-A	COMPRESSOR OVERLOAD PROTECTOR	1
36	M-FOP-3000	FAN OVERLOAD PROTECTOR	1

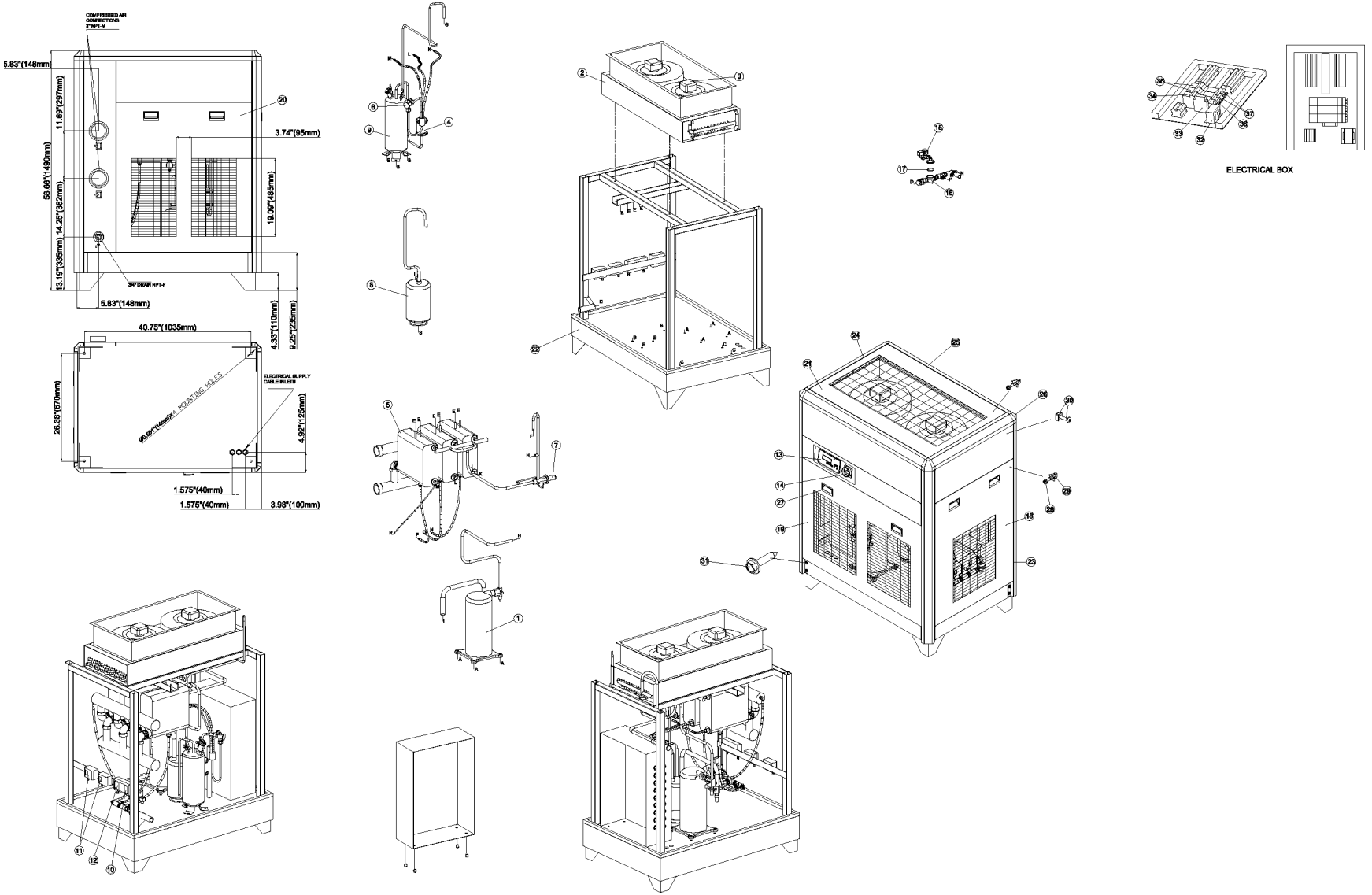


4.4 ED—RD500

4.4 ED—RD500

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0500-460-3-60-A	COMPRESSOR	1
2	M-CON-0500	CONDENSOR	1
3	M-FMT-0700-460-3-60	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER-DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	2
6	M-EXV-1000	EXPANSION VALVE	1
7	M-BYY-1000	BY PASS VALVE	1
8	M-SPR-1000	SEPARATOR	1
9	M-RCV-0850	LIQUID RECEIVER	1
10	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	1
12	M-LPS-1000	LOW PRESSURE SWITCH	1
13	M-MKP-1000	MIKROPROCESSOR	1
14	M-MNS-0700	MAIN SWITCH	1
15	M-SLV-3000-24	SOLENOID VALVE	1
16	M-MMV-3000	MEMBRANE VALVE	1
17	M-MMM-3000	MEMBRANE	1
18	M-CFR-0850	CABINET FRONT	1
19	M-CSI-0850	CABINET SIDE	2
20	M-CRE-0850	CABINET REAR	1
21	M-CTO-0700	CABINET TOP	1
22	M-CBA-0850	CABINET BASE	1
23	M-CBL-0850	CABINET LEG	4
24	M-HP1-0850	CABINETHORIZONTAL PROFILE 1	2
25	M-HP2-0850	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-1000	TRANSFORMER	1
33	M-PPR-1000	PHASE PROTECTION RELAY	1
34	M-CNT-0850	CONTACTOR	1
35	M-FCN-1000	FAN CONTACTOR	1
36	M-COP-0500-460-3-60-A	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-3000	FAN OVERLOAD PROTECTOR	1

4.5 ED—RD700

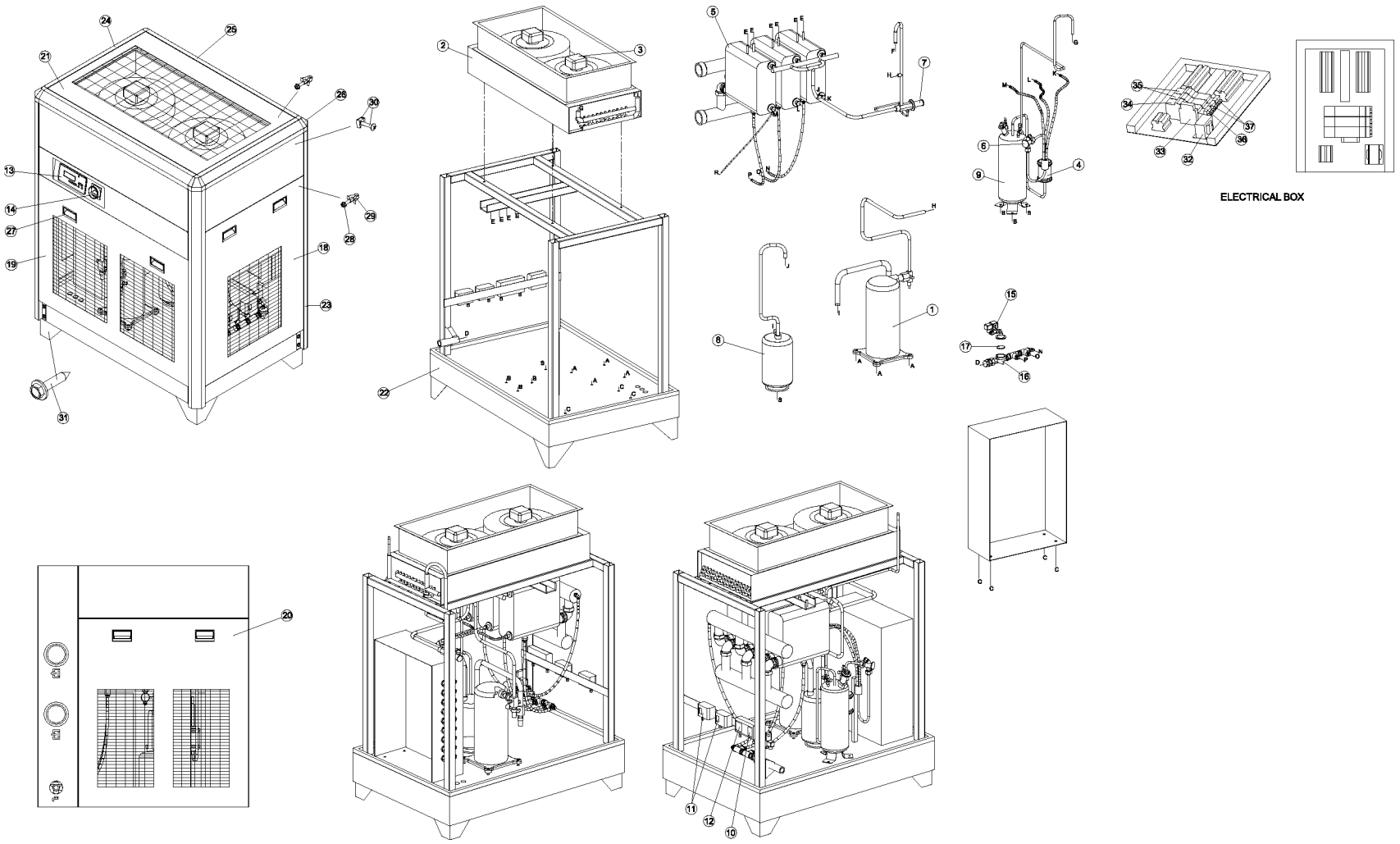


SULLAIR

4.5 ED—RD700

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-0700-460-3-60-A	COMPRESSOR	1
2	M-CON-0700	CONDENSOR	1
3	M-FMT-0700-460-3-60	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER-DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	2
6	M-EXV-0700	EXPANSION VALVE	1
7	M-BYY-1000	BY PASS VALVE	1
8	M-SPR-1000	SEPARATOR	1
9	M-RCV-0850	LIQUID RECEIVER	1
10	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	1
12	M-LPS-1000	LOW PRESSURE SWITCH	1
13	M-MKP-1000	MIKROPROCESSOR	1
14	M-MNS-0700	MAIN SWITCH	1
15	M-SLV-3000-24	SOLENOID VALVE	1
16	M-MMV-3000	MEMBRANE VALVE	1
17	M-MMM-3000	MEMBRANE	1
18	M-CFR-0850	CABINET FRONT	1
19	M-CSI-0850	CABINET SIDE	2
20	M-CRE-0850	CABINET REAR	1
21	M-CTO-0700	CABINET TOP	1
22	M-CBA-0850	CABINET BASE	1
23	M-CBL-0850	CABINET LEG	4
24	M-HP1-0850	CABINETHORIZONTAL PROFILE 1	2
25	M-HP2-0850	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-1000	TRANSFORMER	1
33	M-PPR-1000	PHASE PROTECTION RELAY	1
34	M-CNT-0700	CONTACTOR	1
35	M-FCN-1000	FAN CONTACTOR	1
36	M-COP-0700-460-3-60-A	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-3000	FAN OVERLOAD PROTECTOR	1

4.6 ED—RD700 AIR COOLED



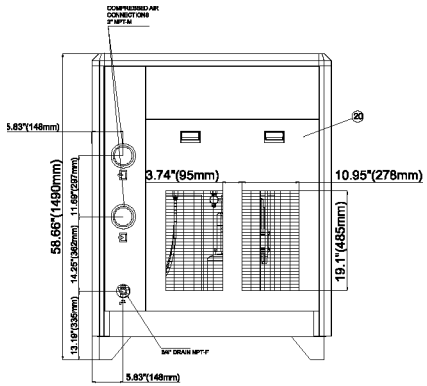
4.6 ED—RD700 AIR COOLED

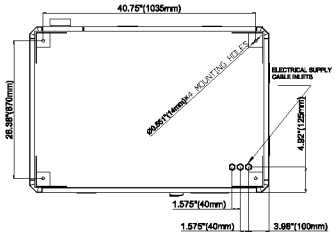
KEY	PART NUMBER	DESCRIPTION	QTY
1	SEE REF. TABLE	COMPRESSOR	1
2	M-CON-0700	CONDENSER	1
3	SEE REF. TABLE	FAN MOTOR ASSEMBLY	1
4	M-DRI-1200	DRIER-DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	3
6	M-EXV-0700	EXPANSION VALVE	1
7	M-BYV-1200	BYPASS VALVE	1
8	M-SPR-2000	SEPARATOR	1
9	M-RCV-0850	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROCESSOR	1
14	M-MNS-0700	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-0850	CABINET FRONT	1

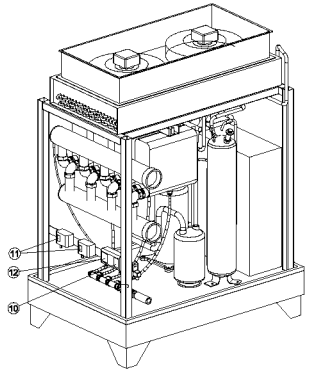
KEY	PART NUMBER	DESCRIPTION	QTY
19	M-CSI-0850	CABINET SIDE	2
20	M-CRE-0850	CABINET REAR	1
21	M-CTO-0700	CABINET TOP	1
22	M-CBA-0850	CABINET BASE	1
23	M-CBL-0850	CABINET LEG	4
24	M-HP1-0850	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-0850	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	SEE REF. TABLE	CONTACTOR	1
35	M-FCN-1000	FAN CONTACTOR	2
36	SEE REF. TABLE	COMPRESSOR OVERLOAD PROTECTOR	1
37	SEE REF. TABLE	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	COMPRESSOR	FAN MOTOR	CONTACTOR	COMPRESSOR OVERLOAD PROTECTOR	FAN OVERLOAD PROTECTOR
RD 700	700 CFM	02250193-827	230V/3Ph/ 60Hz	AIR COOLED	M-CMP-700-230-3-60-A	M-FMT-0700-460-3-60	M-CNT-2400-460-3-60-A	M-COP-850-230-3-60-A	M-FOP-850-230-3-60-A
RD 700	700 CFM	02250193-908	430V/3Ph/ 50Hz	AIR COOLED	M-CMP-700-460-3-60-A	M-FMT-0700-400-3-60	M-CNT-1200-460-3-60-A	M-COP-850-460-3-60-A	M-FOP-1200-460-3-60-A
RD 700	700 CFM	02250193-967	460V/3Ph/ 60Hz	AIR COOLED	M-CMP-700-460-3-60-A	M-FMT-0700-460-3-60	M-CNT-1200-460-3-60-A	M-COP-850-460-3-60-A	M-FOP-1200-460-3-60-A
RD 700	700 CFM	02250194-125	575V/3Ph/ 60Hz	AIR COOLED	M-CMP-700-575-3-60-A	M-FMT-0700-575-3-60	M-CNT-1200-460-3-60-A	M-COP-850-575-3-60-A	M-FOP-1200-460-3-60-A

4.7 ED—RD850


COMPRESSED AIR CONNECTIONS 3/4" NPT-M
5.83"(148mm)
3.74"(95mm)
10.95"(278mm)
58.66"(1490mm)
19.1"(485mm)
13.19"(335mm)
14.25"(362mm)
11.69"(297mm)
3/4" DRAIN NPT-F
5.83"(148mm)


40.75"(1035mm)
ELECTRICAL SUPPLY CABLE INLETS
26.38"(670mm)
4.92"(125mm)
1.575"(40mm)
1.575"(40mm)
3.98"(100mm)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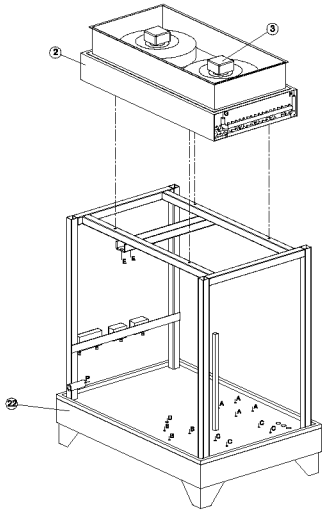
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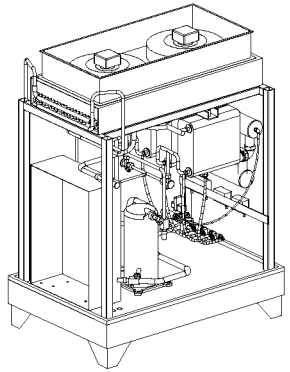

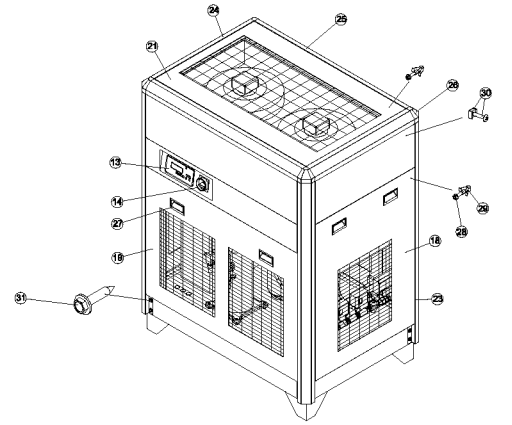
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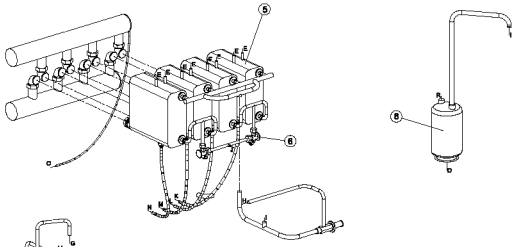
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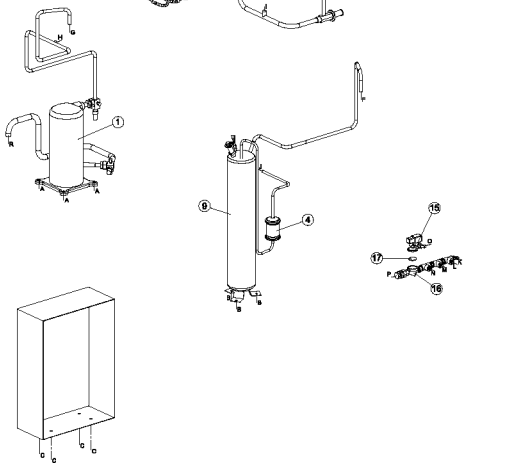
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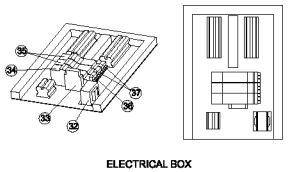
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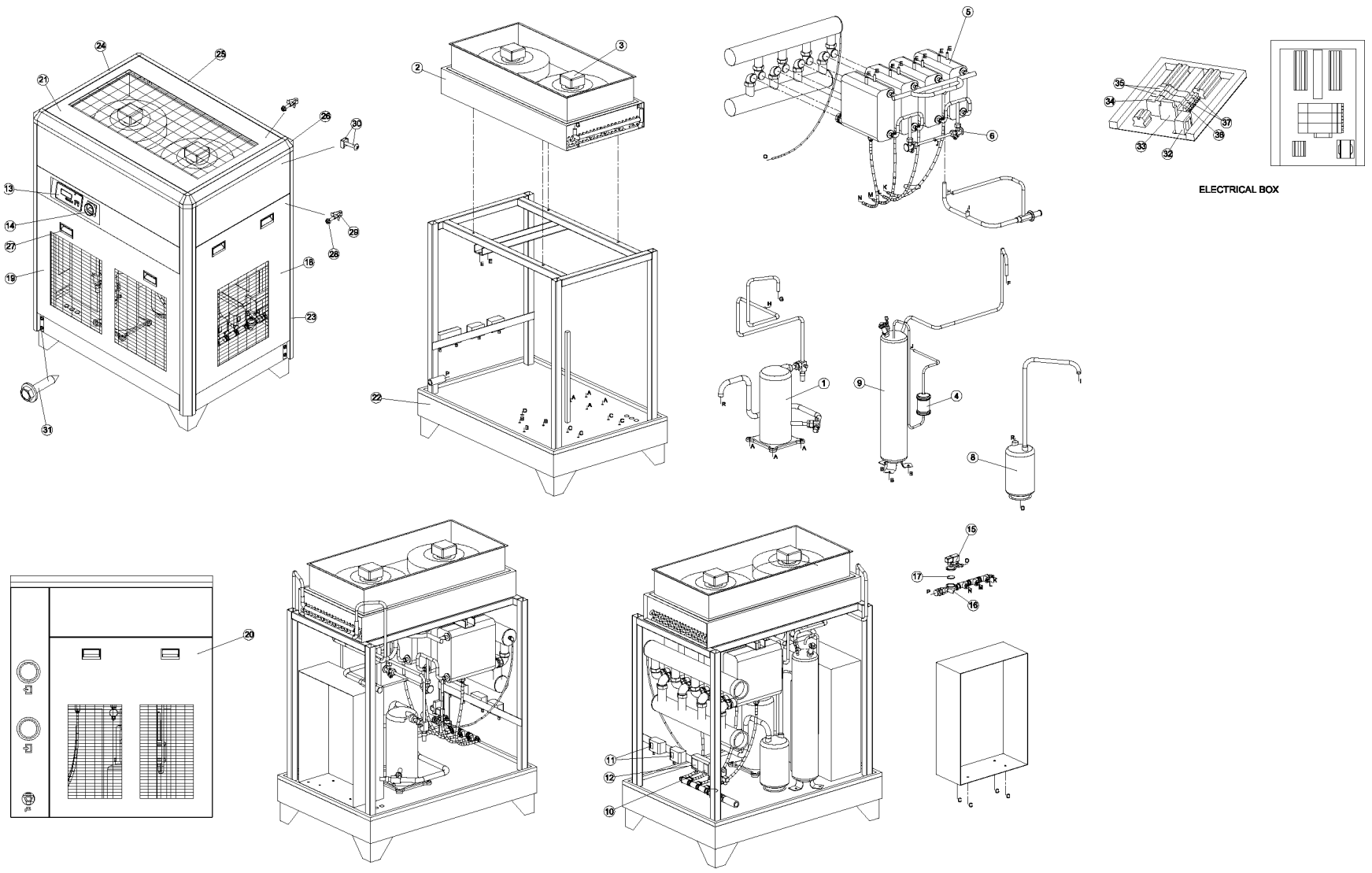
ELECTRICAL BOX

4.7 ED—RD850

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-1000-460-3-60-A	COMPRESSOR	1
2	M-CON-0850	CONDENSOR	1
3	M-FMT-1200-460-3-60	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER-DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	2
6	M-EXV-0850	EXPANSION VALVE	1
7	M-BYY-1000	BY PASS VALVE	1
8	M-SPR-1000	SEPARATOR	1
9	M-RCV-0850	LIQUID RECEIVER	1
10	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	1
12	M-LPS-1000	LOW PRESSURE SWITCH	1
13	M-MKP-1000	MIKROPROCESSOR	1
14	M-MNS-2000	MAIN SWITCH	1
15	M-SLV-3000-24	SOLENOID VALVE	1
16	M-MMV-1000	MEMBRANE VALVE	1
17	M-MMM-1000	MEMBRANE	1
18	M-CFR-0850	CABINET FRONT	1
19	M-CSI-0850	CABINET SIDE	2
20	M-CRE-0850	CABINET REAR	1
21	M-CTO-0850	CABINET TOP	1
22	M-CBA-0850	CABINET BASE	1
23	M-CBL-0850	CABINET LEG	4
24	M-HP1-0850	CABINETHORIZONTAL PROFILE 1	2
25	M-HP2-0850	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-1000	TRANSFORMER	1
33	M-PPR-1000	PHASE PROTECTION RELAY	1
34	M-CNT-0850	CONTACTOR	1
35	M-FCN-1000	FAN CONTACTOR	1
36	M-COP-1000-460-3-60-A	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-3000	FAN OVERLOAD PROTECTOR	1

4.8 ED—RD850 AIR COOLED

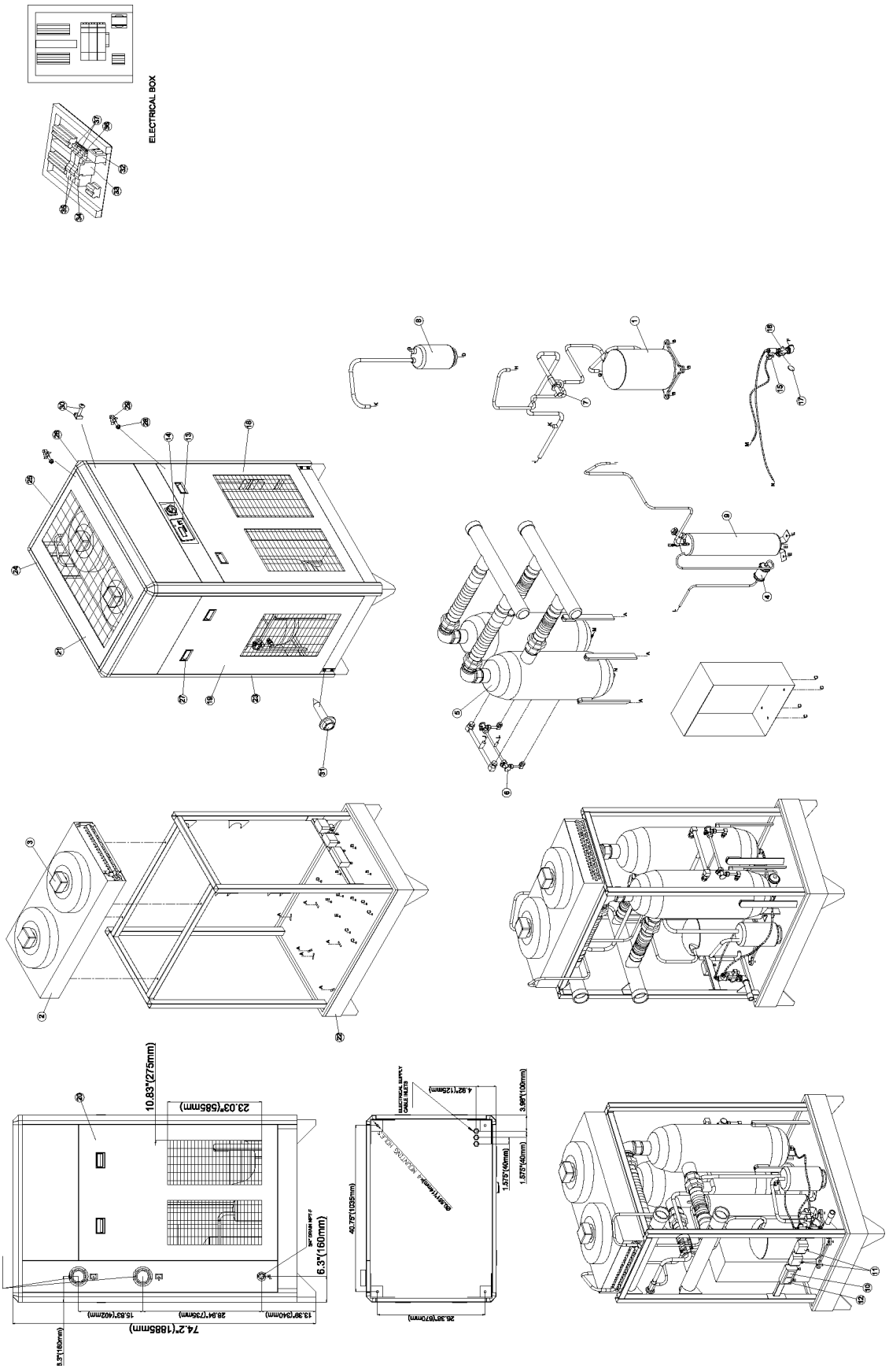


4.8 ED—RD850 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	SEE REF. TABLE	COMPRESSOR	1
2	M-CON-0850	CONDENSER	1
3	SEE REF. TABLE	FAN MOTOR ASSEMBLY	2
4	M-DRI-1200	DRIER-DEHYDRATOR	1
5	M-EXC-0200	HEAT EXCHANGER	4
6	M-EXV-0850	EXPANSION VALVE	2
7	M-BYV-1200	BYPASS VALVE	1
8	M-SPR-2000	SEPARATOR	1
9	M-RCV-0850	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROCESSOR	1
14	M-MNS-1600	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-0850	CABINET FRONT	1

KEY	PART NUMBER	DESCRIPTION	QTY
19	M-CSI-0850	CABINET SIDE	2
20	M-CRE-0850	CABINET REAR	1
21	M-CTO-0850	CABINET TOP	1
22	M-CBA-0850	CABINET BASE	1
23	M-CBL-0850	CABINET LEG	4
24	M-HP1-0850	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-0850	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-0850	CONTACTOR	1
35	M-FCN-1000	FAN CONTACTOR	2
36	SEE REF. TABLE	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-1200	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	COMPRESSOR	FAN MOTOR	CONTACTOR	COMPRESSOR OVERLOAD PROTECTOR
RD 850	850 CFM	02250193-828	230V/3Ph/ 60Hz	AIR COOLED	M-CMP-850-230-3-60-A	M-FMT-0850-230-3-60	M-CNT-2400-460-360-A	M-COP-1000-230-3-60-A
RD 850	850 CFM	02250193-909	430V/3Ph/ 50Hz	AIR COOLED	M-CMP-1000-460-3-50-A	M-FMT-1200-400-3-50	M-CNT-1200-460-360-A	M-COP-1000-400-3-50-A
RD 850	850 CFM	02250193-968	430V/3Ph/ 60Hz	AIR COOLED	M-CMP-1000-460-3-60-A	M-FMT-1200-460-3-60	M-CNT-1200-460-360-A	M-COP-1000-460-3-60-A
RD 850	850 CFM	02250194-126	575V/3Ph/ 60Hz	AIR COOLED	M-CMP-1000-575-3-60-A	M-FMT-1200-575-3-60	M-CNT-1200-460-360-A	M-COP-1000-575-3-60-A



4.9 ED—RD1000

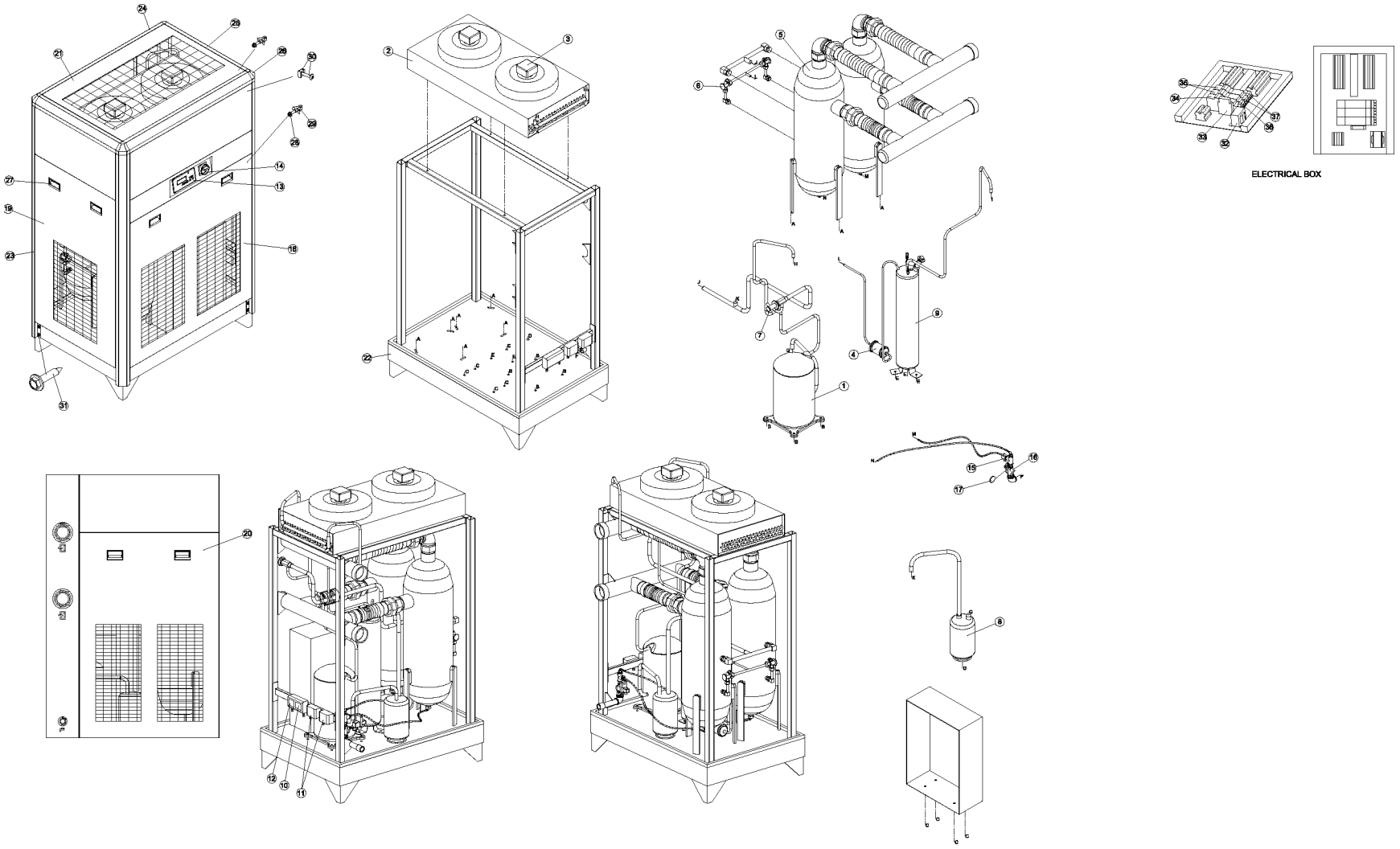
02250195-266 R00

SULLAIR

4.9 ED—RD1000

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-1000-460-3-60-A	COMPRESSOR	1
2	M-CON-1000	CONDENSOR	1
3	M-FMT-1200-460-3-60	FAN MOTOR ASSEMBLY	1
4	M-DRI-1000	DRIER-DEHYDRATOR	1
5	M-EXC-1000	HEAT EXCHANGER	2
6	M-EXV-1000	EXPANSION VALVE	1
7	M-BYY-1000	BY PASS VALVE	1
8	M-SPR-1000	SEPARATOR	1
9	M-RCV-1000	LIQUID RECEIVER	1
10	M-HPS-1000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	1
12	M-LPS-1000	LOW PRESSURE SWITCH	1
13	M-MKP-1000	MIKROPROCESSOR	1
14	M-MNS-2000	MAIN SWITCH	1
15	M-SLV-3000-24	SOLENOID VALVE	1
16	M-MMV-1000	MEMBRANE VALVE	1
17	M-MMM-1000	MEMBRANE	1
18	M-CFR-1000	CABINET FRONT	1
19	M-CSI-1000	CABINET SIDE	2
20	M-CRE-1000	CABINET REAR	1
21	M-CTO-1000	CABINET TOP	1
22	M-CBA-1000	CABINET BASE	1
23	M-CBL-1000	CABINET LEG	4
24	M-HP1-1000	CABINETHORIZONTAL PROFILE 1	2
25	M-HP2-1000	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-1000	TRANSFORMER	1
33	M-PPR-1000	PHASE PROTECTION RELAY	1
34	M-CNT-1000	CONTACTOR	1
35	M-FCN-1000	FAN CONTACTOR	1
36	M-COP-1000-460-3-60-A	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-3000	FAN OVERLOAD PROTECTOR	1

4.10 ED—RD1000 AIR COOLED



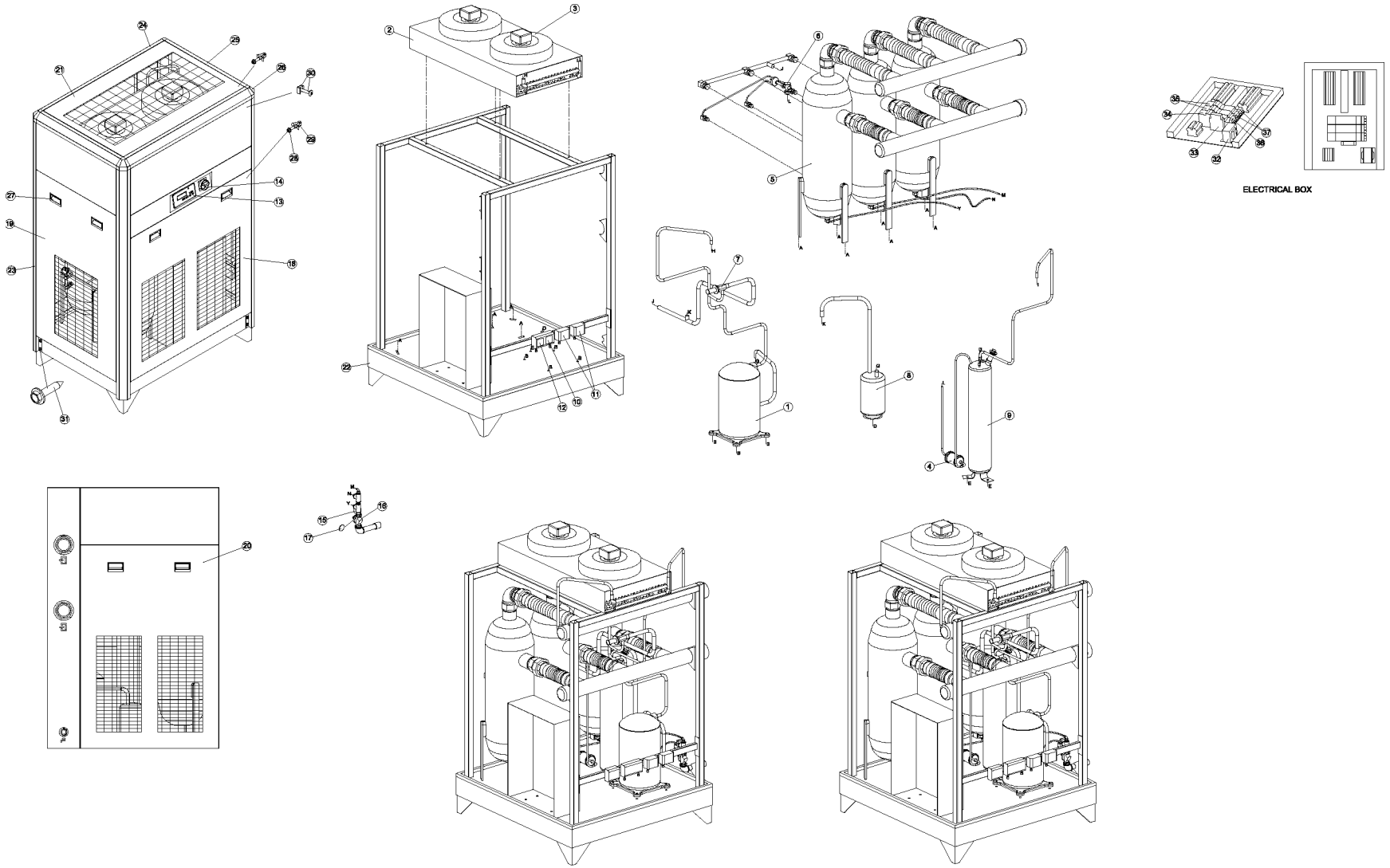
4.10 ED—RD1000 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	SEE REF. TABLE	COMPRESSOR	1
2	M-CON-1000	CONDENSER	1
3	SEE REF. TABLE	FAN MOTOR ASSEMBLY	2
4	M-DRI-1000	DRIER-DEHYDRATOR	1
5	M-EXC-1000	HEAT EXCHANGER	2
6	M-EXV-1000	EXPANSION VALVE	2
7	M-BYV-1200	BYPASS VALVE	1
8	M-SPR-2000	SEPARATOR	1
9	M-RCV-1000	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-1600	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-1000	CABINET FRONT	1

KEY	PART NUMBER	DESCRIPTION	QTY
19	M-CSI-1000	CABINET SIDE	2
20	M-CRE-1000	CABINET REAR	1
21	M-CTO-1000	CABINET TOP	1
22	M-CBA-1000	CABINET BASE	1
23	M-CBL-1000	CABINET LEG	4
24	M-HP1-1000	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-1000	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-1200	CONTACTOR	1
35	M-FCN-1200	FAN CONTACTOR	2
36	M-COP-1200	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-1200	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	COMPRESSOR	FAN MOTOR
RD 1000	1000 CFM	02250193-921	400V/3Ph/50Hz	AIR COOLED	M-CMP-1000-460-3-60-A	M-FMT-1200-400-3-50
RD 1000	1000 CFM	02250193-985	460V/3Ph/60Hz	AIR COOLED	M-CMP-1000-460-3-60-A	M-FMT-1200-460-3-60
RD 1000	1000 CFM	02250194-140	575V/3Ph/60Hz	AIR COOLED	M-CMP-1000-575-3-60-A	M-FMT-1200-575-3-60

4.11 ED—RD1200 AIR COOLED

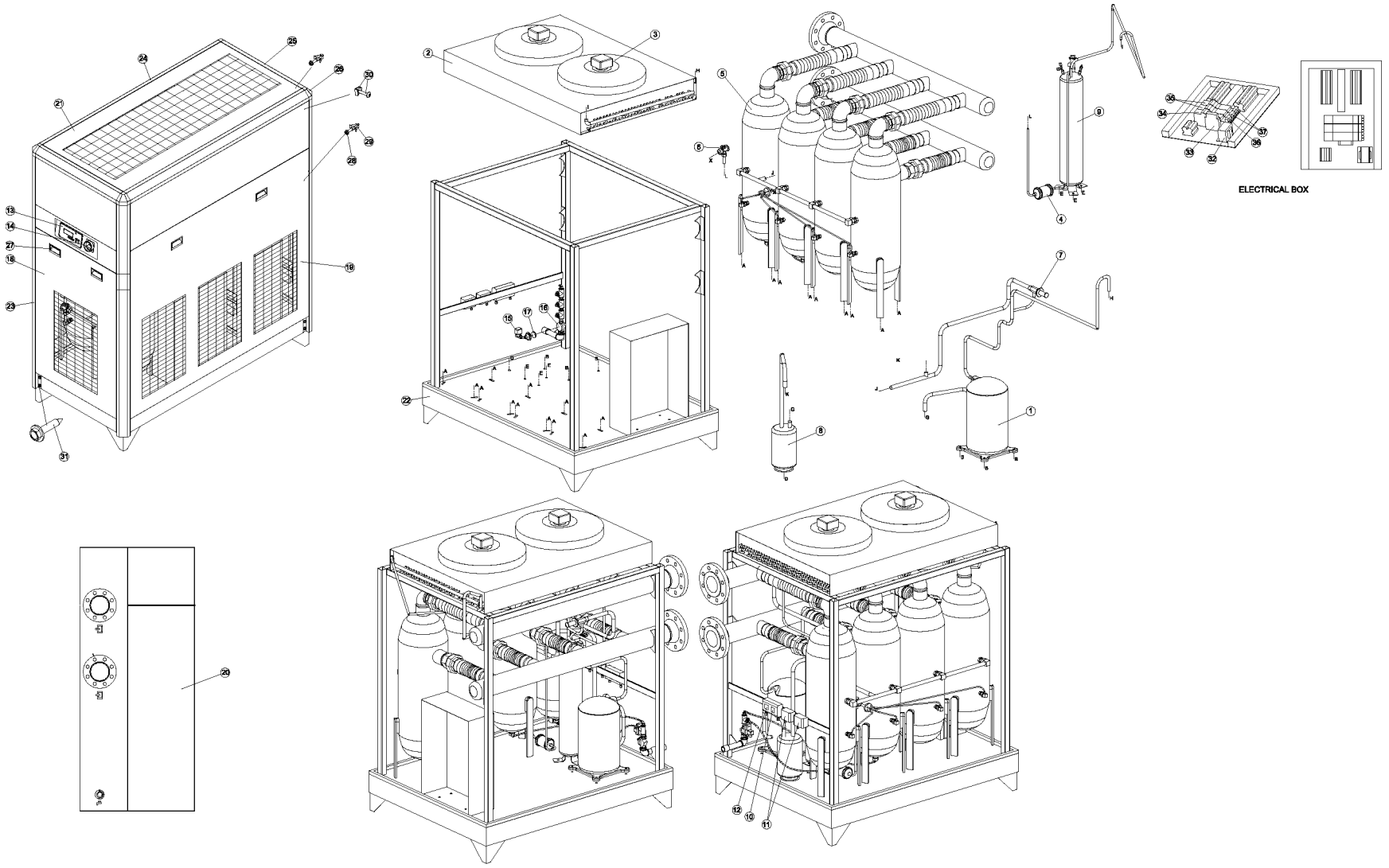


4.11 ED—RD1200 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-1200-460-3-60-A	COMPRESSOR	1
2	M-CON-1000	CONDENSER	1
3	SEE REF. TABLE	FAN MOTOR ASSEMBLY	2
4	M-DRI-1200	DRIER-DEHYDRATOR	1
5	M-EXC-1200	HEAT EXCHANGER	3
6	M-EXV-1200	EXPANSION VALVE	1
7	M-BYV-1200	BYPASS VALVE	1
8	M-SPR-2000	SEPARATOR	1
9	M-RCV-1200	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-1600	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-1000	CABINET FRONT	1
19	M-CSI-1000	CABINET SIDE	2
20	M-CRE-1000	CABINET REAR	1
21	M-CTO-1000	CABINET TOP	1
22	M-CBA-1000	CABINET BASE	1
23	M-CBL-1200	CABINET LEG	4
24	M-HP1-1200	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-1200	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-1200	CONTACTOR	1
35	M-FCN-1200	FAN CONTACTOR	2
36	M-COP-1200	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-1200	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR
RD 1200	1200 CFM	02250193-922	400V/3Ph/50Hz	AIR COOLED	M-FMT-1200-400-3-50
RD 1200	1200 CFM	02250193-986	460V/3Ph/60Hz	AIR COOLED	M-FMT-1200-460-3-60
RD 1200	1200 CFM	02250194-141	575V/3Ph/60Hz	AIR COOLED	M-FMT-1200-460-3-60

4.12 ED—RD1600 AIR COOLED

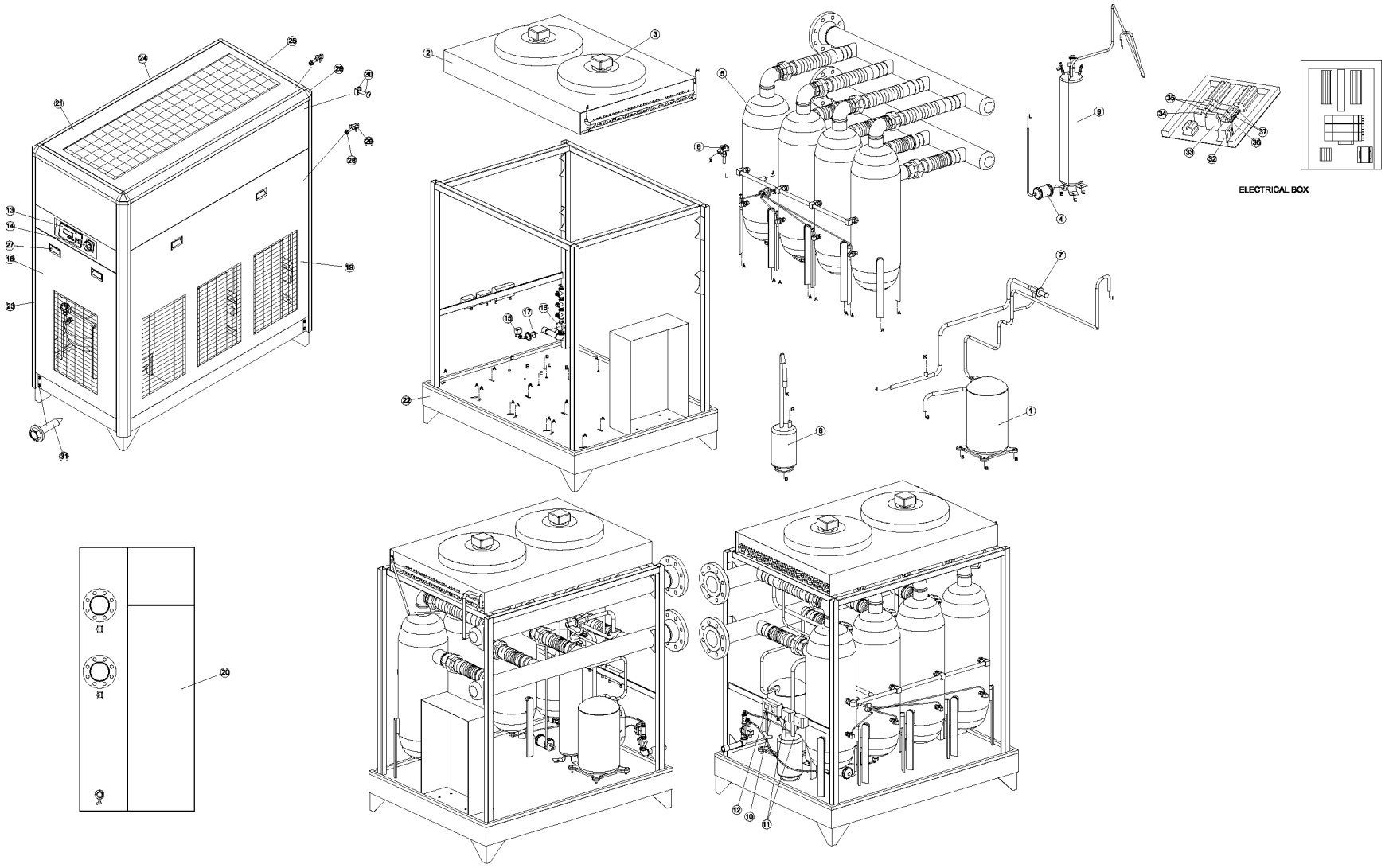


4.12 ED—RD1600 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-1600-460-3-60-A	COMPRESSOR	1
2	M-CON-1600	CONDENSER	1
3	M-FMT-1600-460-3-60-A	FAN MOTOR ASSEMBLY	2
4	M-DRI-2400	DRIER-DEHYDRATOR	1
5	M-EXC-2000	HEAT EXCHANGER	2
6	M-EXV-2000	EXPANSION VALVE	1
7	M-BYV-6000	BYPASS VALVE	1
8	M-SPR-2000	SEPARATOR	1
9	M-RCV-2000	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-1600	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-6000	CABINET FRONT	1
19	M-CSI-6000	CABINET SIDE	2
20	M-CRE-6000	CABINET REAR	1
21	M-CTO-6000	CABINET TOP	1
22	M-CBA-6000	CABINET BASE	1
23	M-CBL-6000	CABINET LEG	4
24	M-HP1-2000	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-2000	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-3000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-1200	CONTACTOR	1
35	M-FCN-6000	FAN CONTACTOR	2
36	M-COP-1600	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-2000	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	COMPRESSOR
RD 1600	1600 CFM	02250193-923	400V/3Ph/50Hz	AIR COOLED	M-CMP-1000-460-3-60-A
RD 1600	1600 CFM	02250193-988	460V/3Ph/60Hz	AIR COOLED	M-CMP-1000-460-3-60-A
RD 1600	1600 CFM	02250194-142	575V/3Ph/60Hz	AIR COOLED	M-CMP-1000-575-3-60-A

4.13 ED—RD2000 AIR COOLED

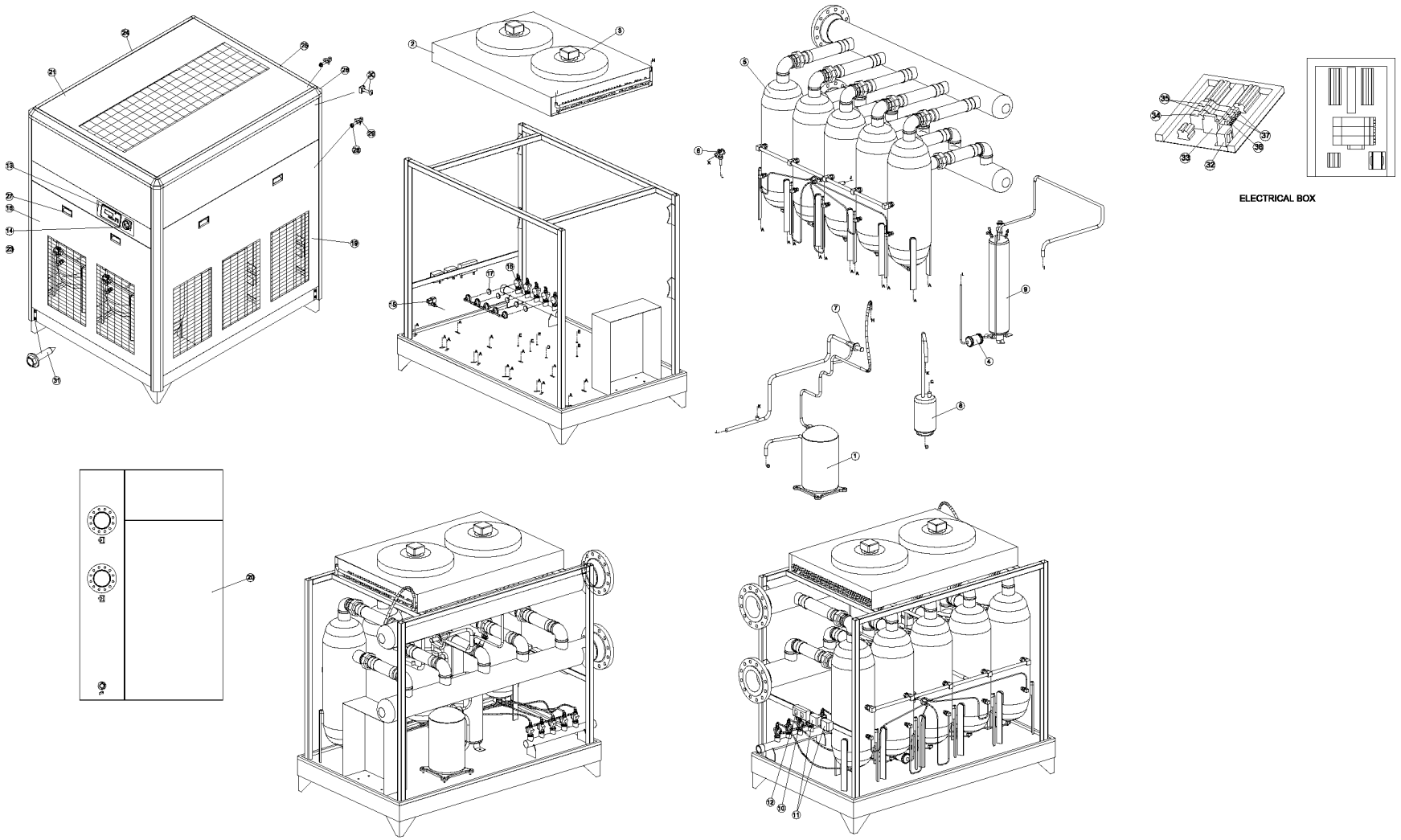


4.13 ED—RD2000 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-2000-460-3-60-A	COMPRESSOR	1
2	M-CON-2400	CONDENSER	1
3	M-FMT-2000-460-3-60-A	FAN MOTOR ASSEMBLY	2
4	M-DRI-2400	DRIER-DEHYDRATOR	1
5	M-EXC-2000	HEAT EXCHANGER	2
6	M-EXV-2000	EXPANSION VALVE	1
7	M-BYV-6000	BYPASS VALVE	1
8	M-SPR-2000	SEPARATOR	1
9	M-RCV-2000	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-3000	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-2000	CABINET FRONT	1
19	M-CSI-2000	CABINET SIDE	2
20	M-CRE-2000	CABINET REAR	1
21	M-CTO-2000	CABINET TOP	1
22	M-CBA-2000	CABINET BASE	1
23	M-CBL-2000	CABINET LEG	4
24	M-HP1-2000	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-2000	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-2000	CABINET TOP CORNER	4
27	M-CPS-2000	CABINET HANDLE	8
28	M-STU-2000	CABINET STUD AND NUT	12
29	M-FAS-2000	CABINET FASTENER	12
30	M-NUT-6000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-2400	CONTACTOR	1
35	M-FCN-6000	FAN CONTACTOR	2
36	M-COP-2400	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-2000	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING
RD 2000	2000 CFM	02250193-924	400V/3Ph/50Hz	AIR COOLED
RD 2000	2000 CFM	02250193-989	460V/3Ph/60Hz	AIR COOLED
RD 2000	2000 CFM	02250194-143	575V/3Ph/60Hz	AIR COOLED

4.14 ED—RD2400 AIR COOLED

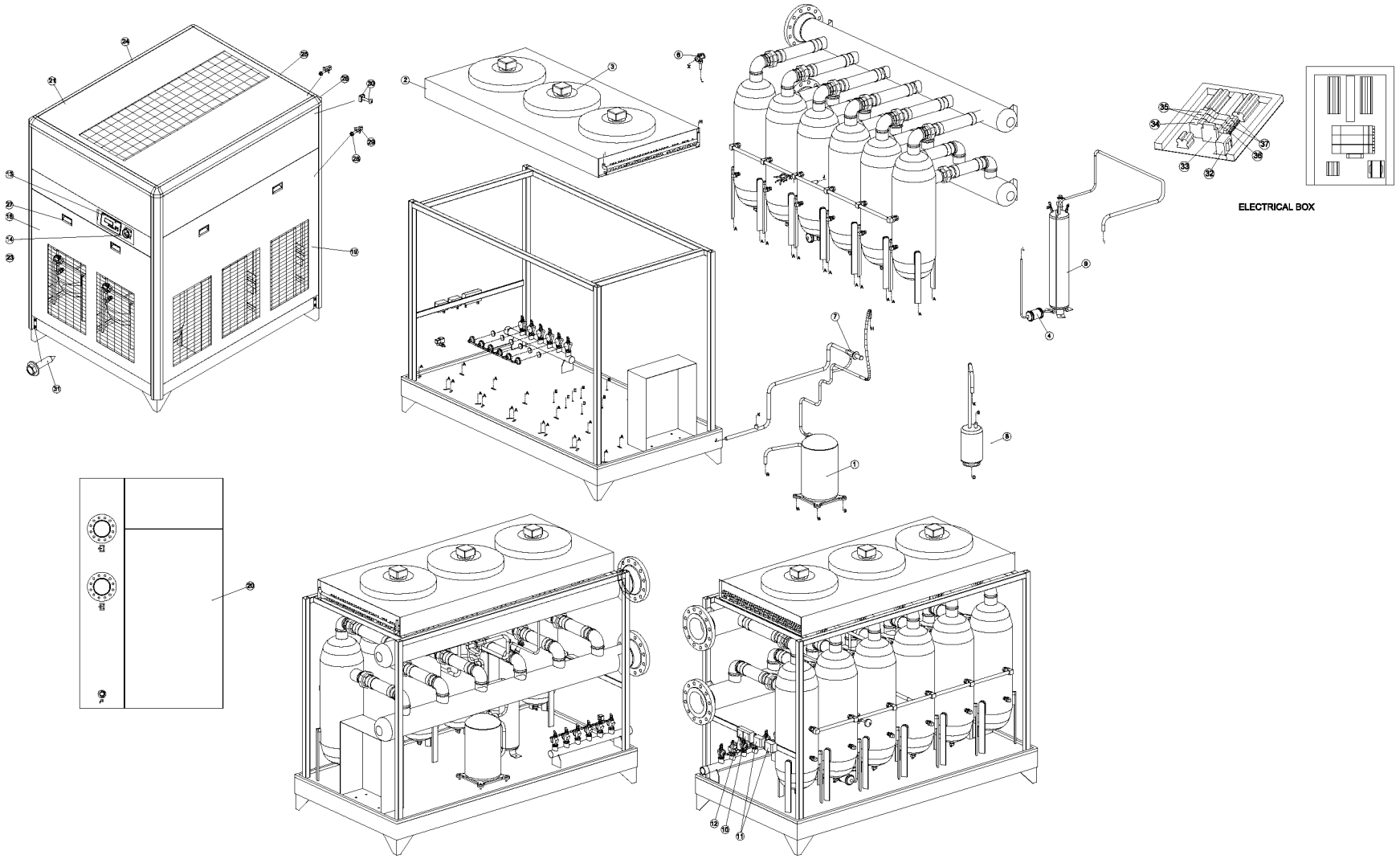


4.14 ED—RD2400 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-2400-460-3-60-A	COMPRESSOR	1
2	M-CON-2400	CONDENSER	1
3	M-FMT-2000-460-3-60-A	FAN MOTOR ASSEMBLY	2
4	M-DRI-2400	DRIER-DEHYDRATOR	1
5	M-EXC-2400	HEAT EXCHANGER	5
6	M-EXV-2400	EXPANSION VALVE	1
7	M-BYV-6000	BYPASS VALVE	1
8	M-SPR-2400	SEPARATOR	1
9	M-RCV-2400	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-3000	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-2400	CABINET FRONT	1
19	M-CSI-2400	CABINET SIDE	2
20	M-CRE-2400	CABINET REAR	1
21	M-CTO-2400	CABINET TOP	1
22	M-CBA-2400	CABINET BASE	1
23	M-CBL-2400	CABINET LEG	4
24	M-HP1-2400	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-2400	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-2400	CABINET TOP CORNER	4
27	M-CPS-2400	CABINET HANDLE	8
28	M-STU-2400	CABINET STUD AND NUT	12
29	M-FAS-2400	CABINET FASTENER	12
30	M-NUT-3000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-3000	CONTACTOR	1
35	M-FCN-6000	FAN CONTACTOR	2
36	M-COP-2400	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-6000	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING
RD 2400	2400 CFM	02250193-925	400V/3Ph/50Hz	AIR COOLED
RD 2400	2400 CFM	02250193-990	460V/3Ph/60Hz	AIR COOLED
RD 2400	2400 CFM	02250194-144	575V/3Ph/60Hz	AIR COOLED

4.15 ED—RD3000 AIR COOLED

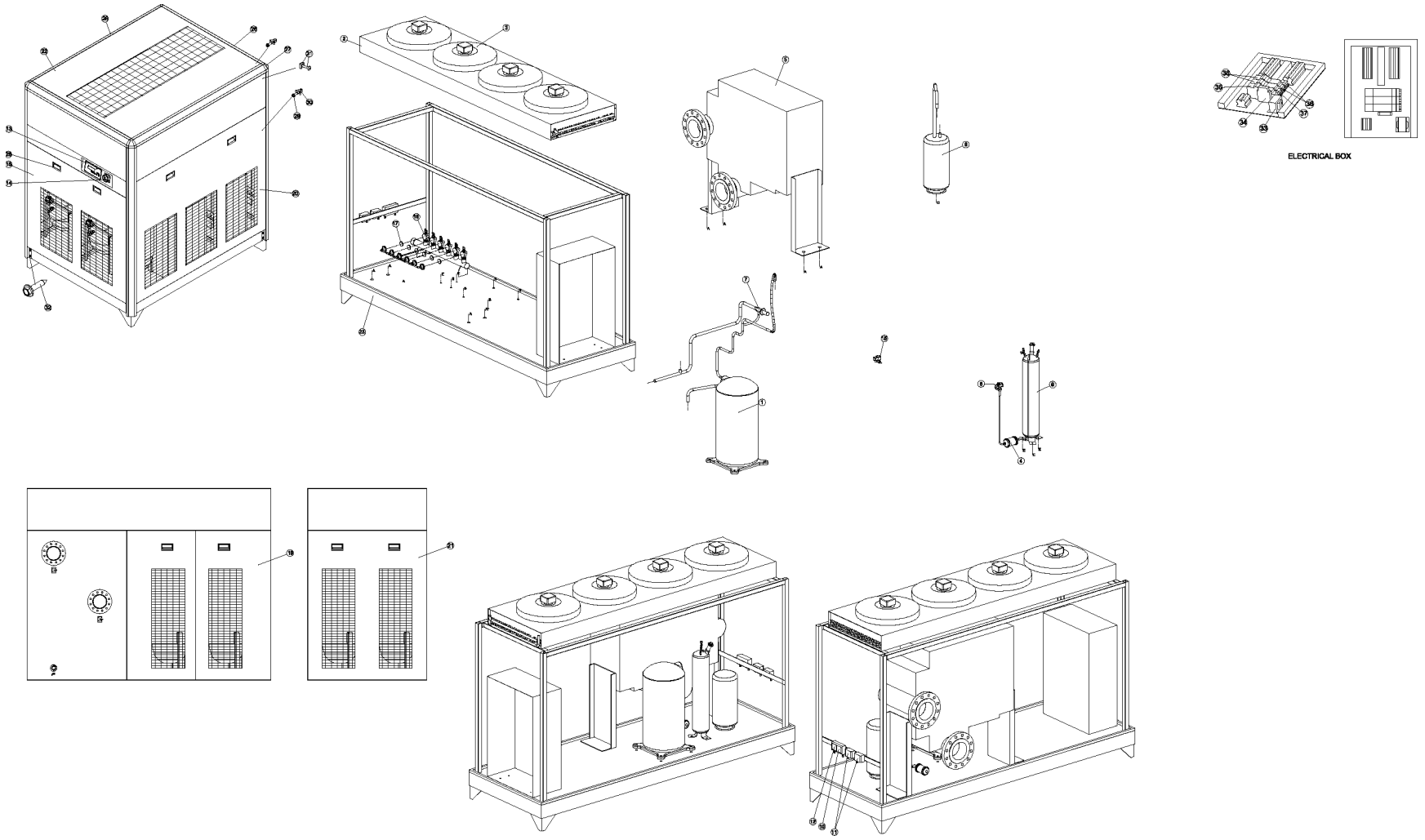


4.15 ED—RD3000 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-300-460-3-60-A	COMPRESSOR	1
2	M-CON-3000	CONDENSER	1
3	M-FMT-2000-460-3-60-A	FAN MOTOR ASSEMBLY	3
4	M-DRI-3800	DRIER-DEHYDRATOR	1
5	M-EXC-3000	HEAT EXCHANGER	6
6	M-EXV-3000	EXPANSION VALVE	1
7	M-BYV-6000	BYPASS VALVE	1
8	M-SPR-5000	SEPARATOR	1
9	M-RCV-6000	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-3000	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-3000	CABINET FRONT	1
19	M-CSI-3000	CABINET SIDE	2
20	M-CRE-3000	CABINET REAR	1
21	M-CTO-3000	CABINET TOP	1
22	M-CBA-3000	CABINET BASE	1
23	M-CBL-6000	CABINET LEG	4
24	M-HP1-3000	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-3000	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-3000	CABINET TOP CORNER	4
27	M-CPS-3000	CABINET HANDLE	8
28	M-STU-6000	CABINET STUD AND NUT	12
29	M-FAS-3000	CABINET FASTENER	12
30	M-NUT-6000	CAGE NUT AND SCREW	16
31	M-SCR-3000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-3000	CONTACTOR	1
35	M-FCN-3000	FAN CONTACTOR	2
36	M-COP-3000	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-3000	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING
RD 3000	3000 CFM	02250193-926	400V/3Ph/50Hz	AIR COOLED
RD 3000	3000 CFM	02250193-991	460V/3Ph/60Hz	AIR COOLED
RD 3000	3000 CFM	02250194-145	575V/3Ph/60Hz	AIR COOLED

4.16 ED—RD3800 AIR COOLED

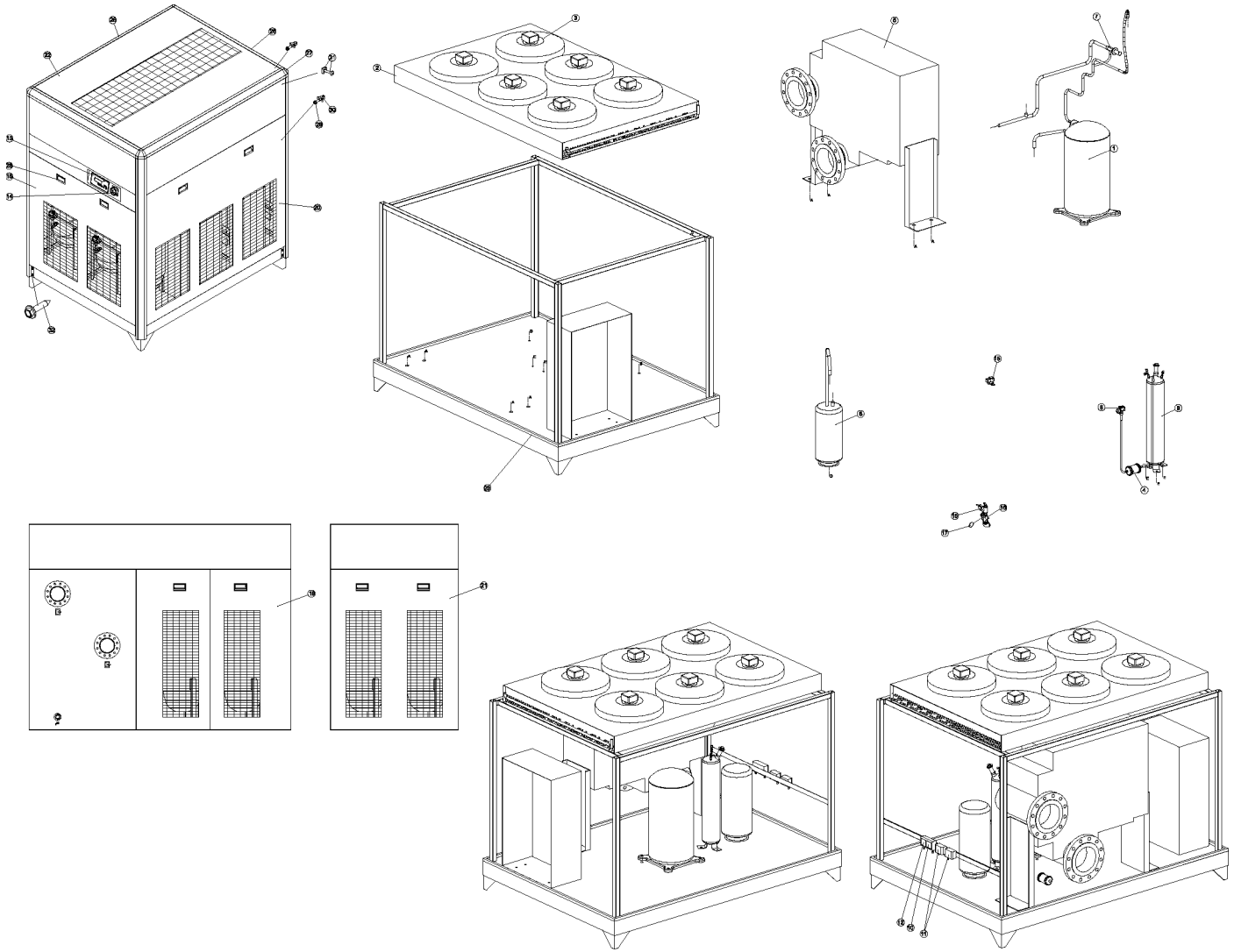


4.16 ED—RD3800 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-3800-460-3-60-A	COMPRESSOR	1
2	M-CON-3800	CONDENSER	1
3	M-FMT-2000-460-3-60-A	FAN MOTOR ASSEMBLY	4
4	M-DRI-3000	DRIER-DEHYDRATOR	1
5	M-EXC-3800	HEAT EXCHANGER	1
6	M-EXV-3800	EXPANSION VALVE	1
7	M-BYV-6000	BY PASS VALVE	1
8	M-SPR-5000	SEPRARATOR	1
9	M-RCV-6000	LIQUID RECEIVER	1
10	M-HPS-6000	H9GH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	2
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-6000	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMEBRANE	1
18	M-CFR-3800	CABINET FRONT	1
19	M-SCI-3800	CABIENT SIDE-LEFT	1
20	M-SCI-3800	CABINET SIDE-RIGHT	1
21	M-CRE-3800	CABINET REAR	1
22	M-CTO-3800	CABINET TOP	1
23	M-CBA-3800	CABINET BASE	1
24	M-CBL-6000	CABINET LEG	4
25	M-HP1-3800	CABINET HORIZONTAL PROFILE 1	2
26	M-HP2-3800	CABINET HORIZONTAL PROFILE 2	2
27	M-CTC-3800	CABINET TOP CORNER	4
28	M-CPS-3800	CABIENT HANDLE	8
29	M-STU-6000	CABINET STUD AND NUT	12
30	M-FAS-3800	CABINET FASTENER	12
31	M-NUT-6000	CAGE NUT AND SCREW	16
32	M-SCR-3800	SCREW TYPE 2	16
33	M-TRF-6000	TRANSFORMER	1
34	M-PPR-6000	PHASE PROTECTION RELAY	1
35	M-CNT-3800	CONTACTOR	1
36	M-FCN-6000	FAN CONTACTOR	2
37	M-COP-3800	COMPRESSOR OVERLOAD PROTECTOR	1
38	M-FOP-6000	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING
RD 3800	3800 CFM	02250193-927	400V/3PH/50HZ	AIR COOLED
RD 3800	3800 CFM	02250193-992	460V/3PH/60HZ	AIR COOLED
RD 3800	3800 CFM	02250194-146	575V/3PH/60HZ	AIR COOLED

4.17 ED—RD5000 AIR COOLED

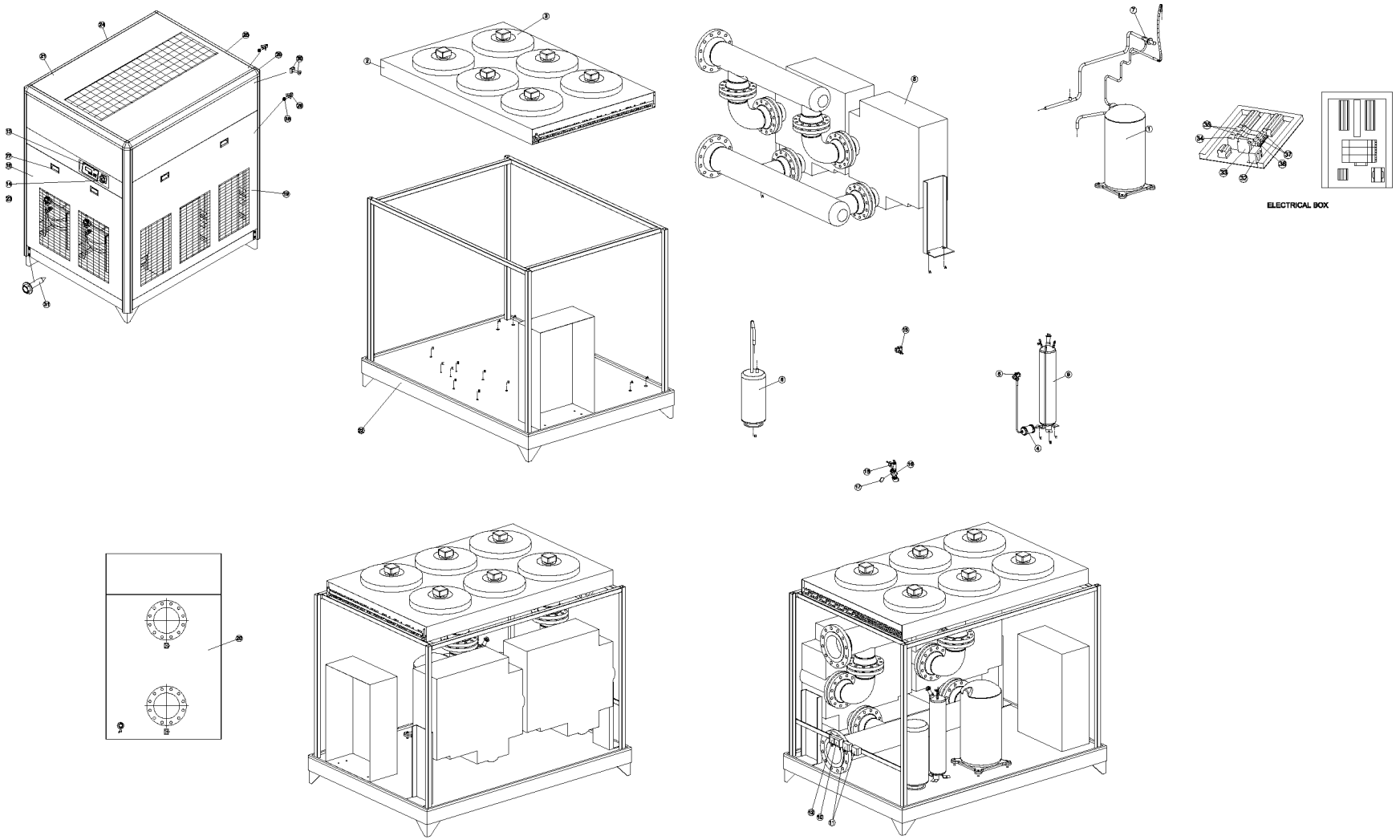


4.17 ED—RD5000 AIR COOLED

KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-5000-460-3-60-A	COMPRESSOR	1
2	M-CON-5000	CONDENSER	1
3	M-FMT-5000-460-3-60-A	FAN MOTOR ASSEMBLY	6
4	M-DRI-5000	DRIER-DEHYDRATOR	1
5	M-EXC-5000	HEAT EXCHANGER	1
6	M-EXV-5000	EXPANSION VALVE	1
7	M-BYV-6000	BY PASS VALVE	1
8	M-SPR-5000	SEPARATOR	1
9	M-RCV-5000	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	2
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-6000	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-5000	CABINET FRONT	1
19	M-CSI-5000	CABINET SIDE-LEFT	1
20	M-CSI-5000	CABINET SIDE-RIGHT	1
21	M-CRE-5000	CABINET REAR	1
22	M-CTO-5000	CABINET TOP	1
23	M-CBA-5000	CABINET BASE	1
24	M-CBL-6000	CABINET LEG	4
25	M-HP1-5000	CABINET HORIZONTAL PROFILE 1	2
26	M-HP2-5000	CABINET HORIZONTAL PROFILE 2	2
27	M-CTC-5000	CABINET TOP CORNER	4
28	M-CPS-5000	CABNET HANDLE	8
29	M-STU-6000	CABINET STUD AND NUT	12
30	M-FAS-6000	CABINET FASTENER	12
31	M-NUT-6000	CAGE NUT AND SCREW	16
32	M-SCR-6000	SCREW TYPE 2	16
33	M-TRF-6000	TRANSFORMER	1
34	M-PPR-6000	PHSE PROTECTION RELAY	1
35	M-CNT-5000	CONTACTOR	1
36	M-FCN-6000	FAN CONTACTOR	2
37	M-COP-6000	COMPRESSOR OVERLOAD PROTECTOR	1
38	M-FOP-6000	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING
RD 5000	5000 CFM	02250193-928	400V/3PH/50HZ	AIR COOLED
RD 5000	5000 CFM	02250193-993	460V/3PH/60HZ	AIR COOLED
RD 5000	5000 CFM	02250194-147	575V/3PH/60HZ	AIR COOLED

4.18 ED—RD6000 AIR COOLED

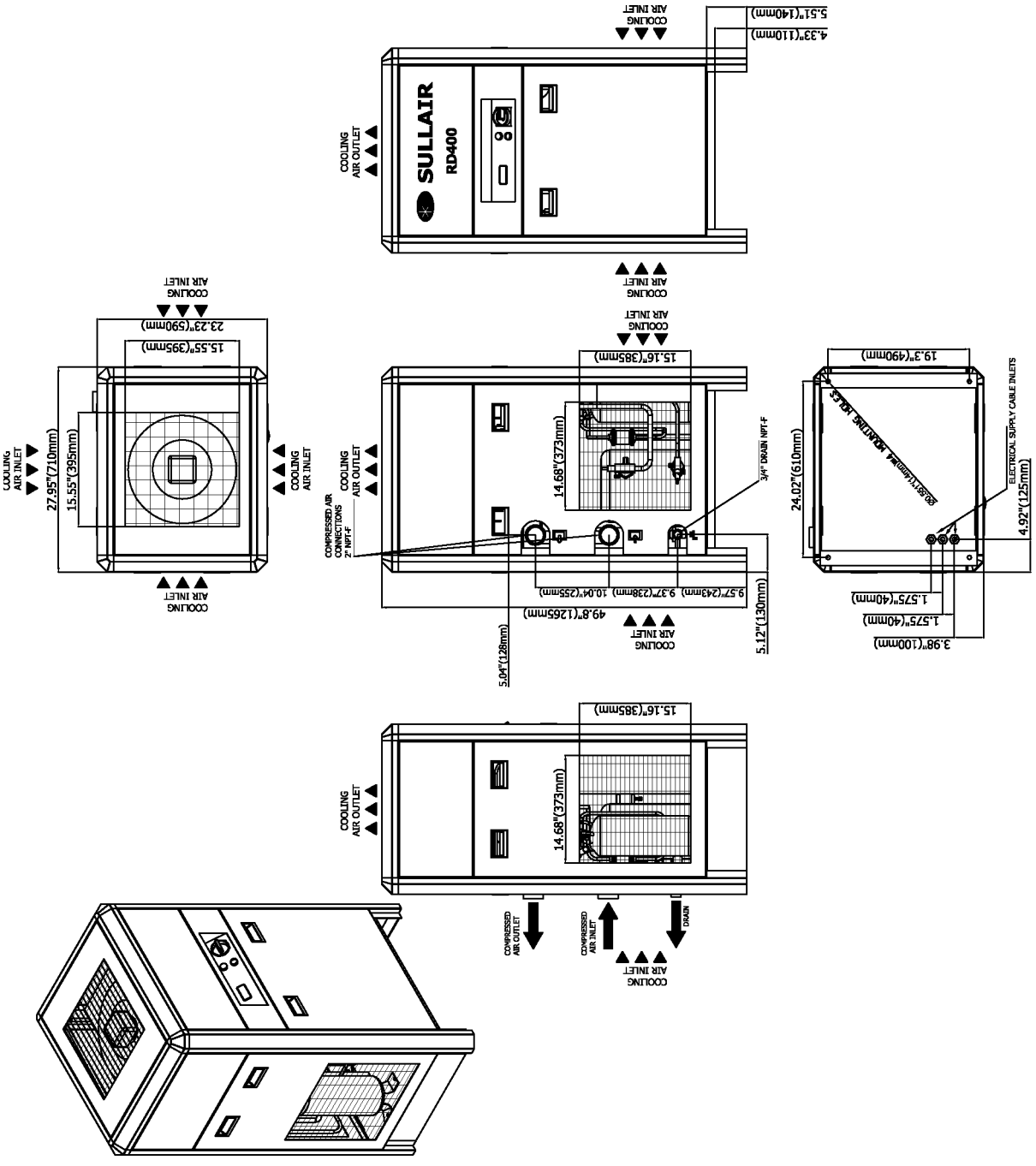


4.18 ED—RD6000 AIR COOLED

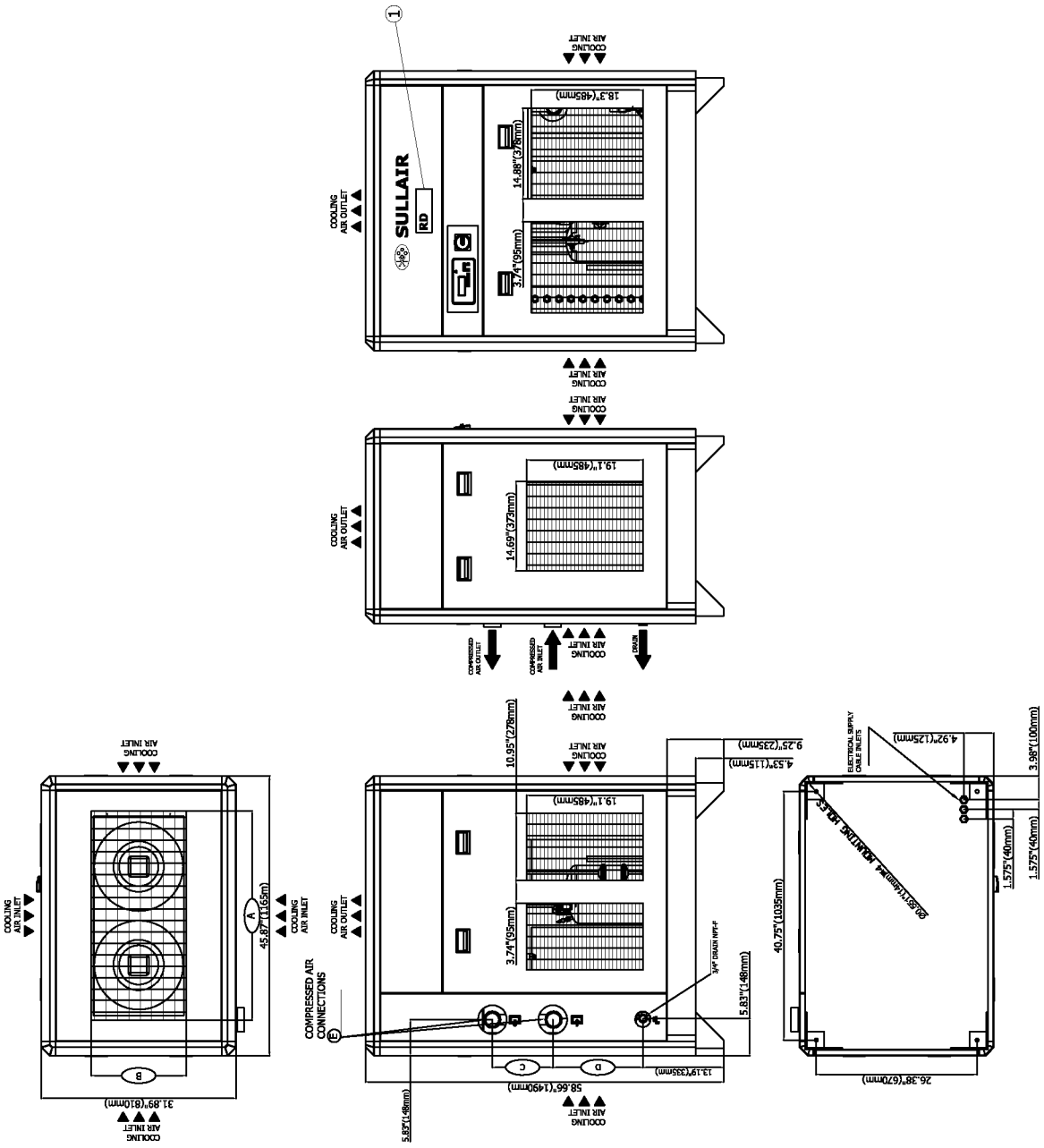
KEY	PART NUMBER	DESCRIPTION	QTY
1	M-CMP-6000-460-3-60-A	COMPRESSOR	1
2	M-CON-6000	CONDENSER	1
3	M-FMT-6000-460-3-60-A	FAN MOTOR ASSEMBLY	6
4	M-DRI-6000	DRIER-DEHYDRATOR	1
5	M-EXC-6000	HEAT EXCHANGER	2
6	M-EXV-6000	EXPANSION VALVE	1
7	M-BYV-6000	BYPASS VALVE	1
8	M-SPR-6000	SEPARATOR	1
9	M-RCV-0850	LIQUID RECEIVER	1
10	M-HPS-6000	HIGH PRESSURE SECURITY SWITCH	1
11	M-FNS-0400	FAN ON/OFF SWITCH	3
12	M-LPS-6000	LOW PRESSURE SWITCH	1
13	M-MKP-6000	MIKROPROSESSOR	1
14	M-MNS-6000	MAIN SWITCH	1
15	M-SLV-6000-24	SELENOID VALVE	1
16	M-MMV-6000	MEMBRANE VALVE	1
17	M-MMM-6000	MEMBRANE	1
18	M-CFR-6000	CABINET FRONT	1
19	M-CSI-6000	CABINET SIDE	2
20	M-CRE-6000	CABINET REAR	1
21	5-CTO-6000	CABINET TOP	1
22	M-CBA-6000	CABINET BASE	1
23	M-CBL-6000	CABINET LEG	4
24	M-HP1-6000	CABINET HORIZONTAL PROFILE 1	2
25	M-HP2-6000	CABINET HORIZONTAL PROFILE 2	2
26	M-CTC-6000	CABINET TOP CORNER	4
27	M-CPS-6000	CABINET HANDLE	8
28	M-STU-6000	CABINET STUD AND NUT	12
29	M-FAS-6000	CABINET FASTENER	12
30	M-NUT-6000	CAGE NUT AND SCREW	16
31	M-SCR-6000	SCREW TYPE 2	16
32	M-TRF-6000	TRANSFORMER	1
33	M-PPR-6000	PHASE PROTECTION RELAY	1
34	M-CNT-6000	CONTACTOR	1
35	M-FCN-6000	FAN CONTACTOR	2
36	M-COP-6000	COMPRESSOR OVERLOAD PROTECTOR	1
37	M-FOP-6000	FAN OVERLOAD PROTECTOR	2

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING
RD 6000	6000 CFM	02250193-929	400V/3PH/50HZ	AIR COOLED
RD 6000	6000 CFM	02250193-994	460V/3PH/60HZ	AIR COOLED
RD 6000	6000 CFM	02250194-148	575V/3PH/60HZ	AIR COOLED

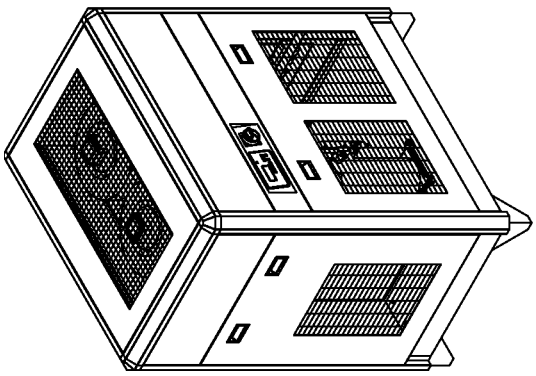
4.19 ID—RD400



02250195-264



4.20 ID—RD500-850



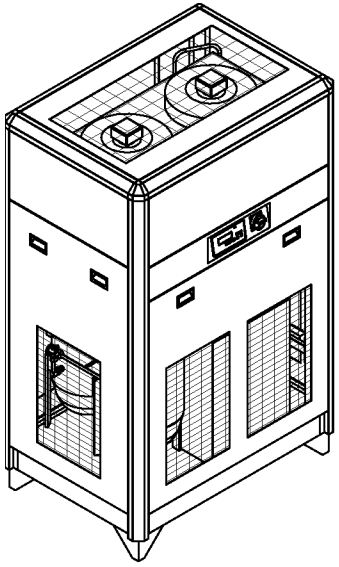
4.20 ID—RD500-850

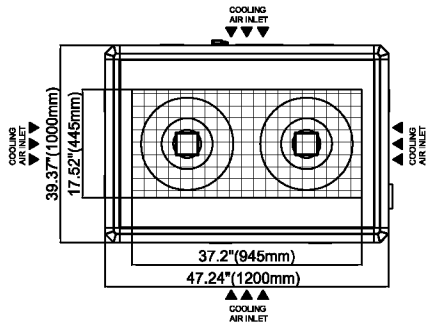
DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-918	400v/3Ph/50Hz	AIR COOLED	RD500
02250193-850	230V/3Ph/60Hz	AIR COOLED	RD500
02250193-982	460V/3Ph/60Hz	AIR COOLED	RD500
02250193-137	575V/3Ph/60Hz	AIR COOLED	RD500
02250193-919	400V/3Ph/50Hz	AIR COOLED	RD700
02250193-851	230V/3Ph/60Hz	AIR COOLED	RD700
02250193-983	460V/3Ph/60Hz	AIR COOLED	RD700
02250193-138	575V/3Ph/60Hz	AIR COOLED	RD700
02250193-920	400V/3Ph/50Hz	AIR COOLED	RD850
02250193-852	230V/3Ph/60Hz	AIR COOLED	RD850
02250193-984	460V/3Ph/60Hz	AIR COOLED	RD850
02550193-139	575V/3Ph/60Hz	AIR COOLED	RD850

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT	DRYER
29.33”*33.27”*50” 745mm*845mm*1270mm	34.25”*48.43”*59.45 870mm*1230mm 1510mm	807 LB	794 LB	RB 500
		847 LB	835 LB	RD 700
		952 LB	941 LB	RD 850

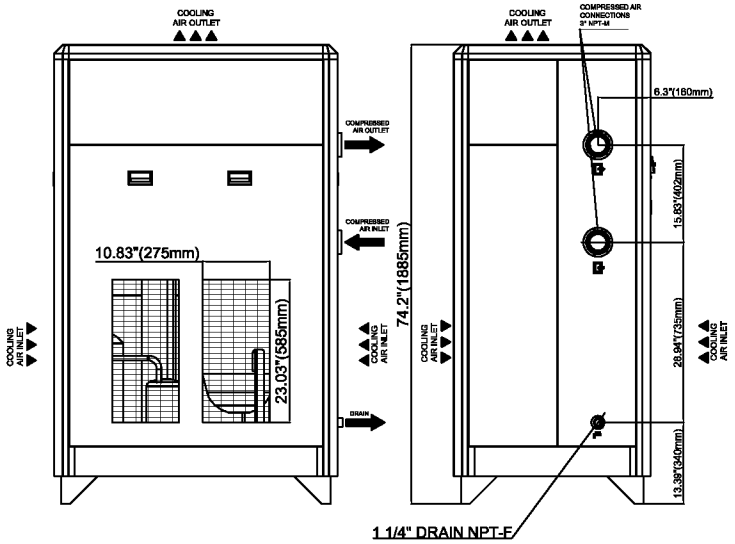
E	D	C	B	A	DECAL
2” NPT-F	14.76”	10.04”	15.55”	34.25”	RD500
3” NPT-M	14.17”	11.61”	15.55”	34.25”	RD700
3” NPT-M	14.17	11.61”	17.52”	37.2”	RD850

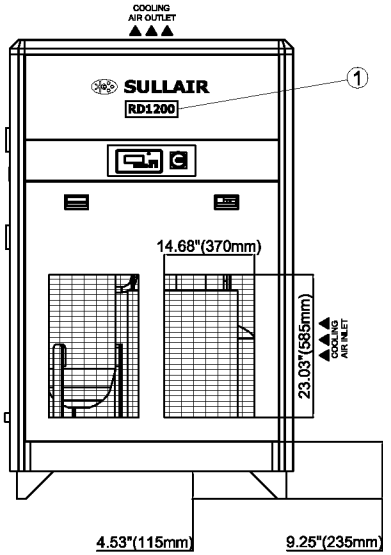
4.21 ID—RD1000-1200 AIR COOLED

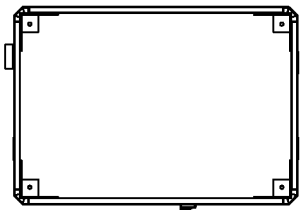




①	DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
	02250193-922	400V/3Ph/50Hz	AIR COOLED	RD1200
	02250193-986	460V/3Ph/60Hz	AIR COOLED	RD1200
	02250194-141	575V/3Ph/60Hz	AIR COOLED	RD1200





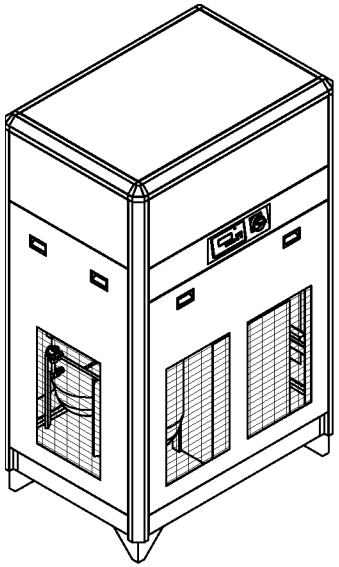


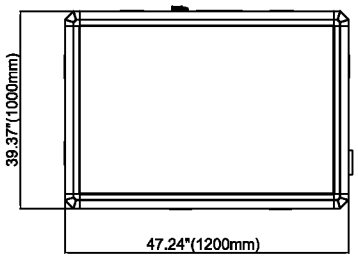
4.21 ID—RD1000-1200 AIR COOLED

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-921	400V/3Ph/50Hz	AIR COOLED	RD1000
02250193-985	460V/3Ph/60Hz	AIR COOLED	RD1000
022501934-140	575V/3Ph/60Hz	AIR COOLED	RD1000
02250193-922	400V/3Ph/50Hz	AIR COOLED	RD1200
02250193-986	460V/3Ph/60Hz	AIR COOLED	RD1200
02250194-141	575V/3Ph/60Hz	AIR COOLED	RD1200

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT	DRYER
31.89”*45.87”*74.2” 810mm*1165mm*1885mm	37”*52.28”*82.68” 940mm*1300mm*2100mm	1483 LB	1230 LB	RD 1200
		1389 LB	1146 LB	RD 1000

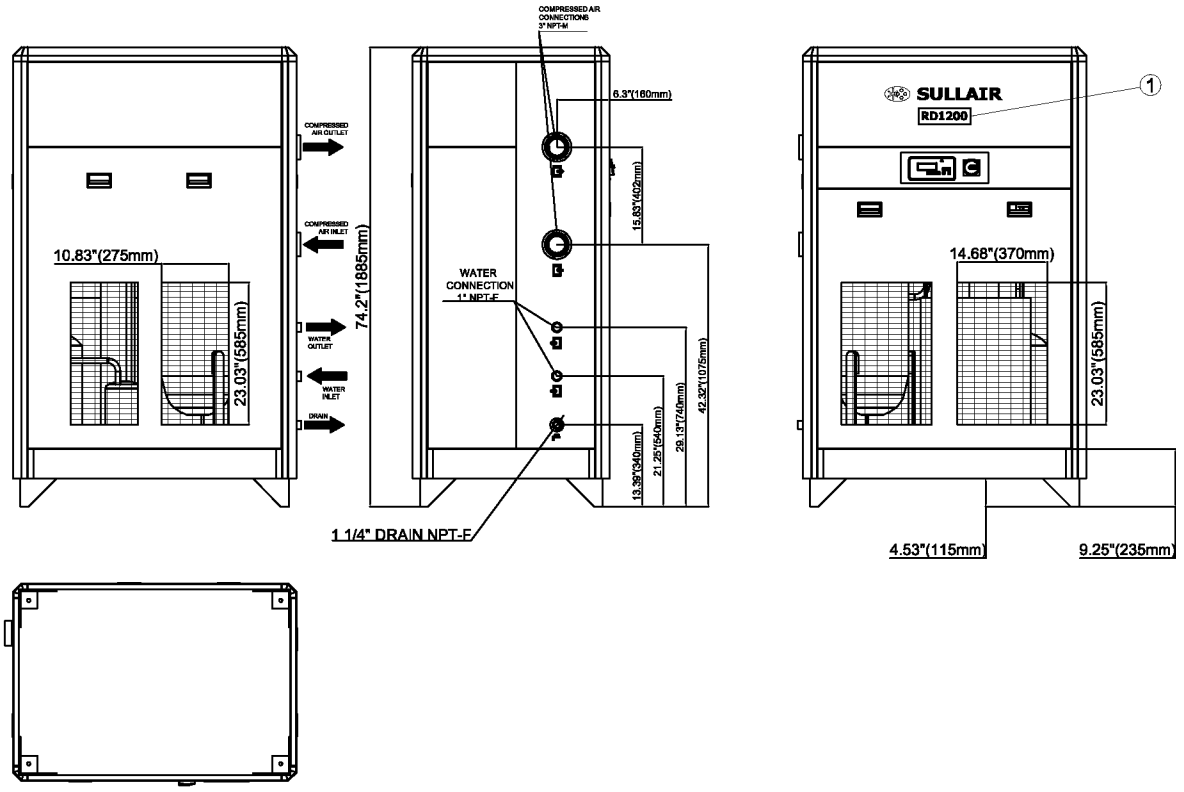
4.22 ID—RD1000-1200 WATER COOLED





①	DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
	02250193-950	400V/3Ph/50Hz	WATER COOLED	RD1200
	02250194-110	460V/3Ph/60Hz	WATER COOLED	RD1200
	02250194-164	575V/3Ph/60Hz	WATER COOLED	RD1200

WITHOUT PALLET SIZES	WITH PALLET SIZES	GROSS WEIGHT	NET WEIGHT	DRYER
31.89"*45.87"*74.2" 810mm*1165mm*1885mm	37"*51.18"*82.68" 940mm*1300mm*2100mm	1483 LB	1230 LB	RD 1200

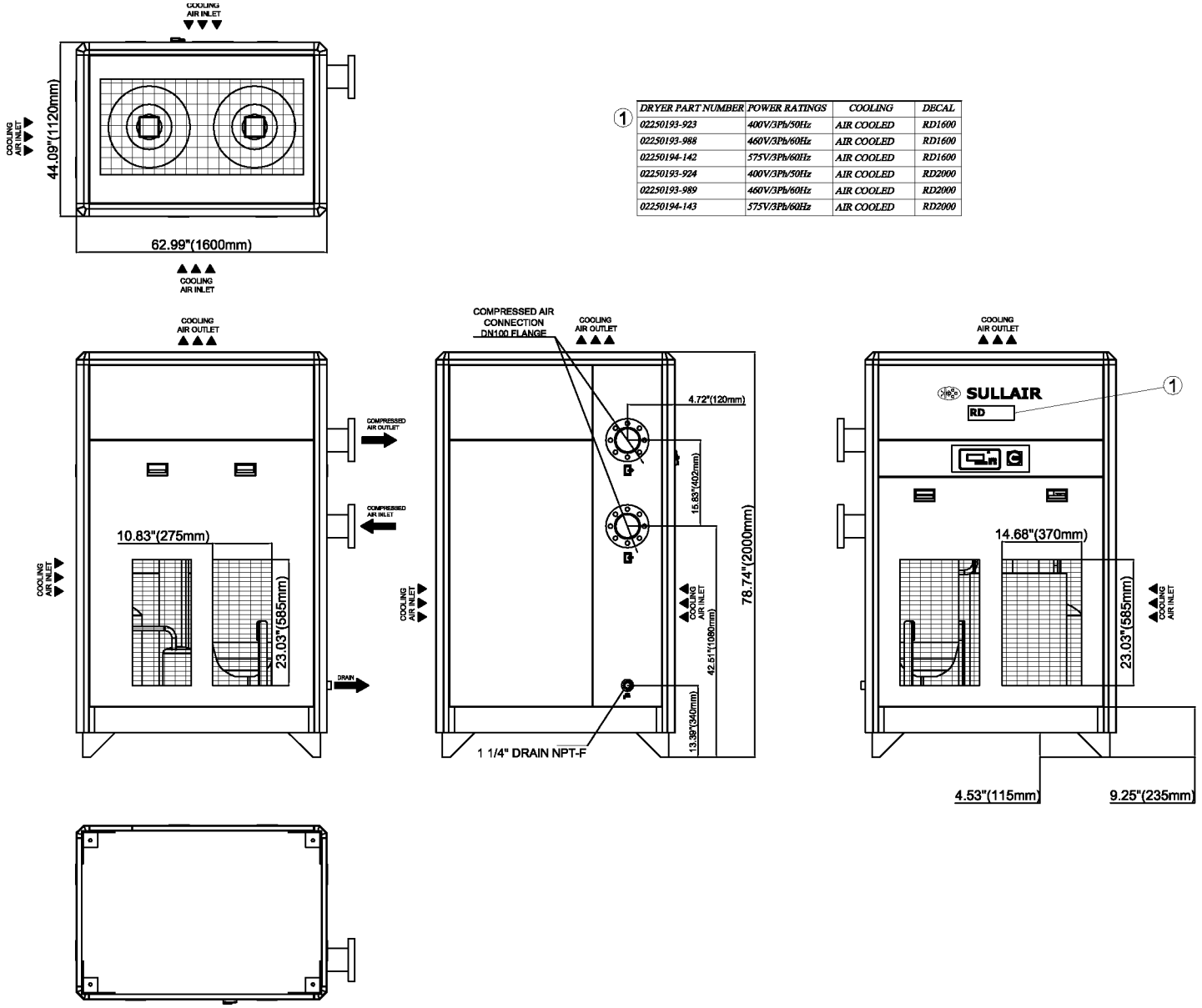


4.22 ID—RD1000-1200 WATER COOLED

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-949	400V/3Ph/50Hz	WATER COOLED	RD1000
02250194-109	460V/3Ph/60Hz	WATER COOLED	RD1000
02250194-163	575V/3Ph/60Hz	WATER COOLED	RD1000
02250193-950	400V/3Ph/50Hz	WATER COOLED	RD1200
02250194-110	460V/3Ph/60Hz	WATER COOLED	RD1200
02250194-164	575V/3Ph/60Hz	WATER COOLED	RD1200

WITHOUT PALLET SIZE	WITH PALLETT SIZE	GROSS WEIGHT	NET WEIGHT	DRYER
31.89”*45.87”*74.2” 810mm*1165mm*1885mm	37”*51.18”*82.68” 940mm*1300mm*2100mm	1483 LB	1230 LB	RD 1200
		1389 LB	1146 LB	RD 1000

4.23 ID—RD1600-2000 AIR COOLED

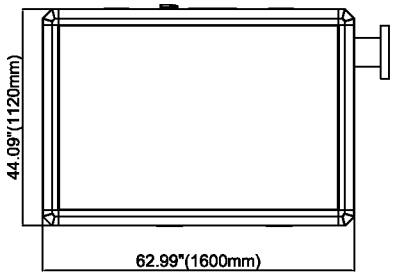


①	DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
	02250193-923	400V/3Ph/50Hz	AIR COOLED	RD1600
	02250193-988	460V/3Ph/60Hz	AIR COOLED	RD1600
	02250194-142	575V/3Ph/60Hz	AIR COOLED	RD1600
	02250193-924	400V/3Ph/50Hz	AIR COOLED	RD2000
	02250193-989	460V/3Ph/60Hz	AIR COOLED	RD2000
	02250194-143	575V/3Ph/60Hz	AIR COOLED	RD2000

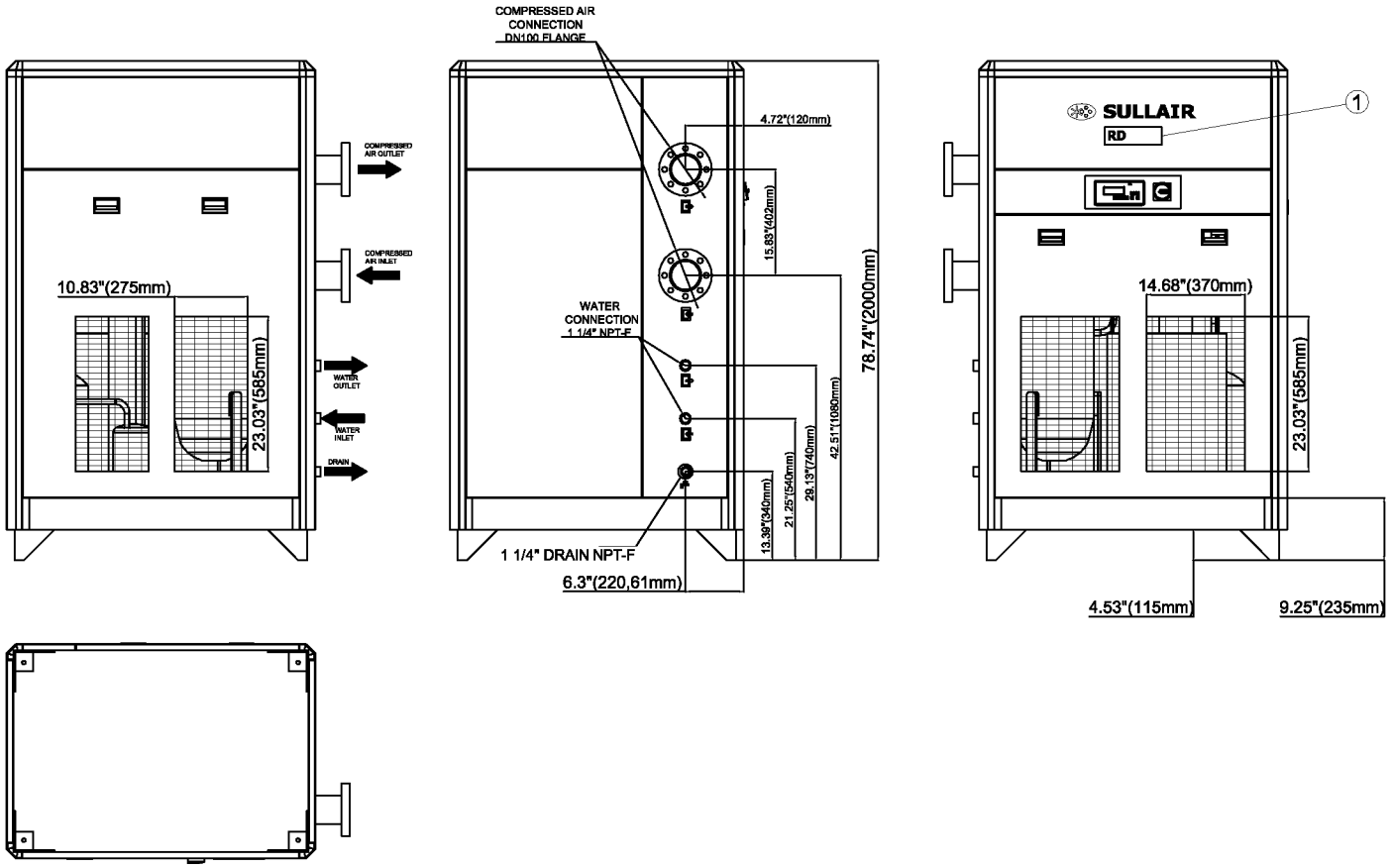
4.23 ID—RD1600-200 AIR COOLED

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-923	400V/3Ph/50Hz	AIR COOLED	RD1600
02250193-988	460V/3Ph/60Hz	AIR COOLED	RD1600
02250194-142	575V/3Ph/60Hz	AIR COOLED	RD1600
02250193-924	400V/3Ph/50Hz	AIR COOLED	RD2000
02250193-989	460V/3Ph/60Hz	AIR COOLED	RD2000
02250194-143	575V/3Ph/60Hz	AIR COOLED	RD2000

4.24 ID—RD1600-2000 WATER COOLED



①	DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
	02250193-951	400V/3Ph/50Hz	WATER COOLED	RD1600
	02250194-113	460V/3Ph/60Hz	WATER COOLED	RD1600
	02250194-165	575V/3Ph/60Hz	WATER COOLED	RD1600
	02250193-953	400V/3Ph/50Hz	WATER COOLED	RD2000
	02250194-114	460V/3Ph/60Hz	WATER COOLED	RD2000
	02250194-166	575V/3Ph/60Hz	WATER COOLED	RD2000



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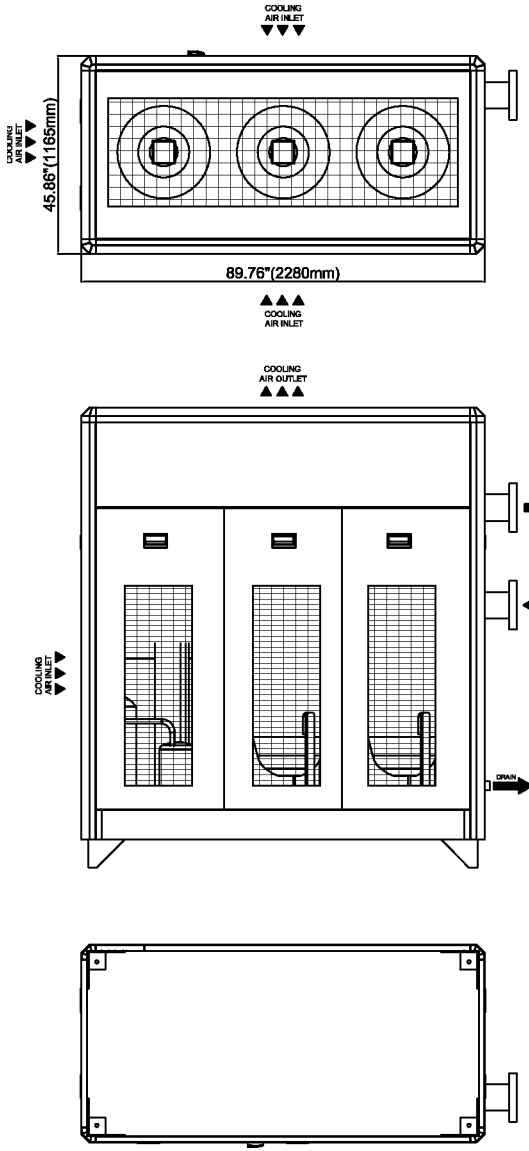
4.24 ID—RD1600-2000 WATER COOLED

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-951	400V/3Ph/50Hz	WATER COOLED	RD1600
02250194-113	460V/3Ph/60Hz	WATER COOLED	RD1600
02250194-165	575V/3Ph/60Hz	WATER COOLED	RD1600
02250193-953	400V/3Ph/50Hz	WATER COOLED	RD2000
02250194-114	460V/3Ph/60Hz	WATER COOLED	RD2000
02250194-166	575V/3Ph/60Hz	WATER COOLED	RD2000

4.25 ID—RD2400-3000 AIR COOLED



	DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
1	02250193-925	400V/3Ph/50Hz	AIR COOLED	RD2400
	02250193-990	460V/3Ph/60Hz	AIR COOLED	RD2400
	02250194-144	575V/3Ph/60Hz	AIR COOLED	RD2400
	02250193-926	400V/3Ph/50Hz	AIR COOLED	RD3000
	02250193-991	460V/3Ph/60Hz	AIR COOLED	RD3000
	02250194-145	575V/3Ph/60Hz	AIR COOLED	RD3000

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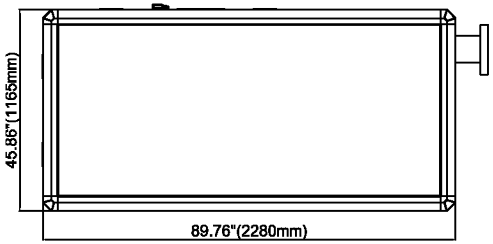
4.25 ID—RD2400-3000 AIR COOLED

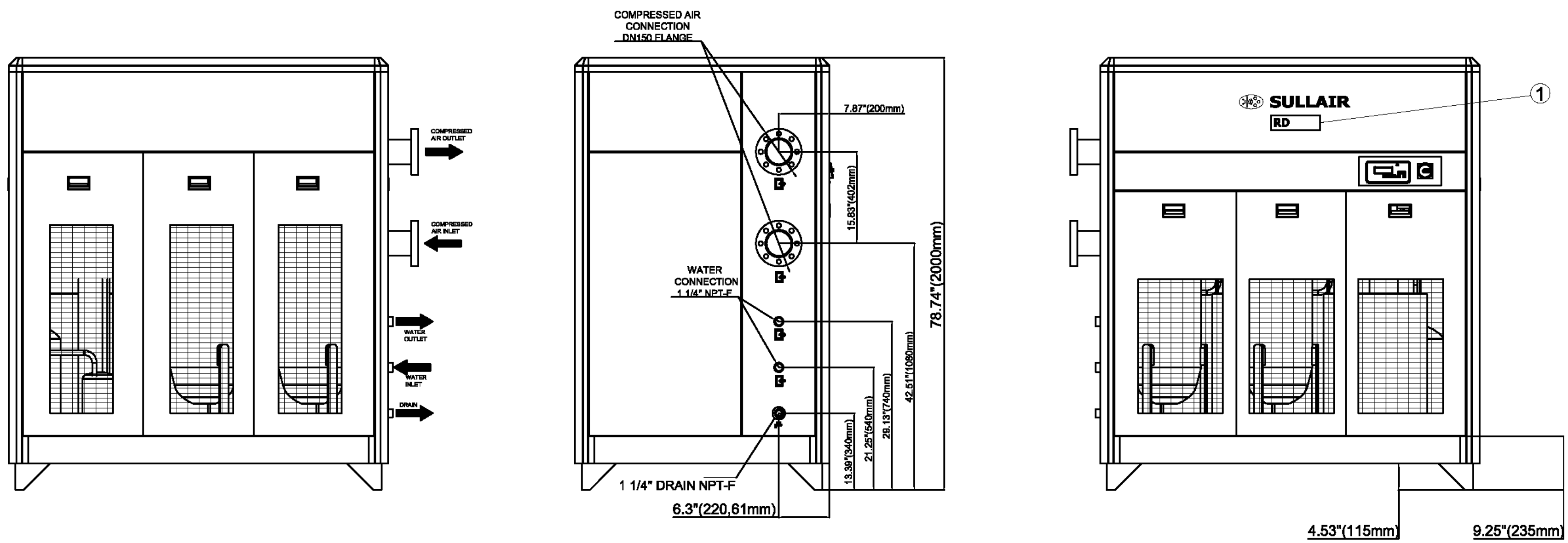
DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-925	400V/3Ph/50Hz	AIR COOLED	RD2400
02250193-990	460V/3Ph/60Hz	AIR COOLED	RD2400
02250194-144	575V/3Ph/60Hz	AIR COOLED	RD2400
02250193-926	400V/3Ph/50Hz	AIR COOLED	RD3000
02250193-991	460V/3Ph/60Hz	AIR COOLED	RD3000
02250194-145	575V/3Ph/60Hz	AIR COOLED	RD3000

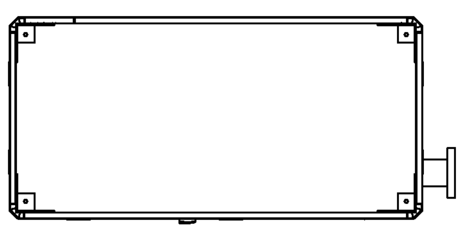
4.26 ID—RD2400-3000 WATER COOLED



①

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-954	400V/3Ph/50Hz	WATER COOLED	RD2400
02250194-115	460V/3Ph/60Hz	WATER COOLED	RD2400
02250194-167	575V/3Ph/60Hz	WATER COOLED	RD2400
02250193-955	400V/3Ph/50Hz	WATER COOLED	RD3000
02250194-116	460V/3Ph/60Hz	WATER COOLED	RD3000
02250194-168	575V/3Ph/60Hz	WATER COOLED	RD3000





02250195-269

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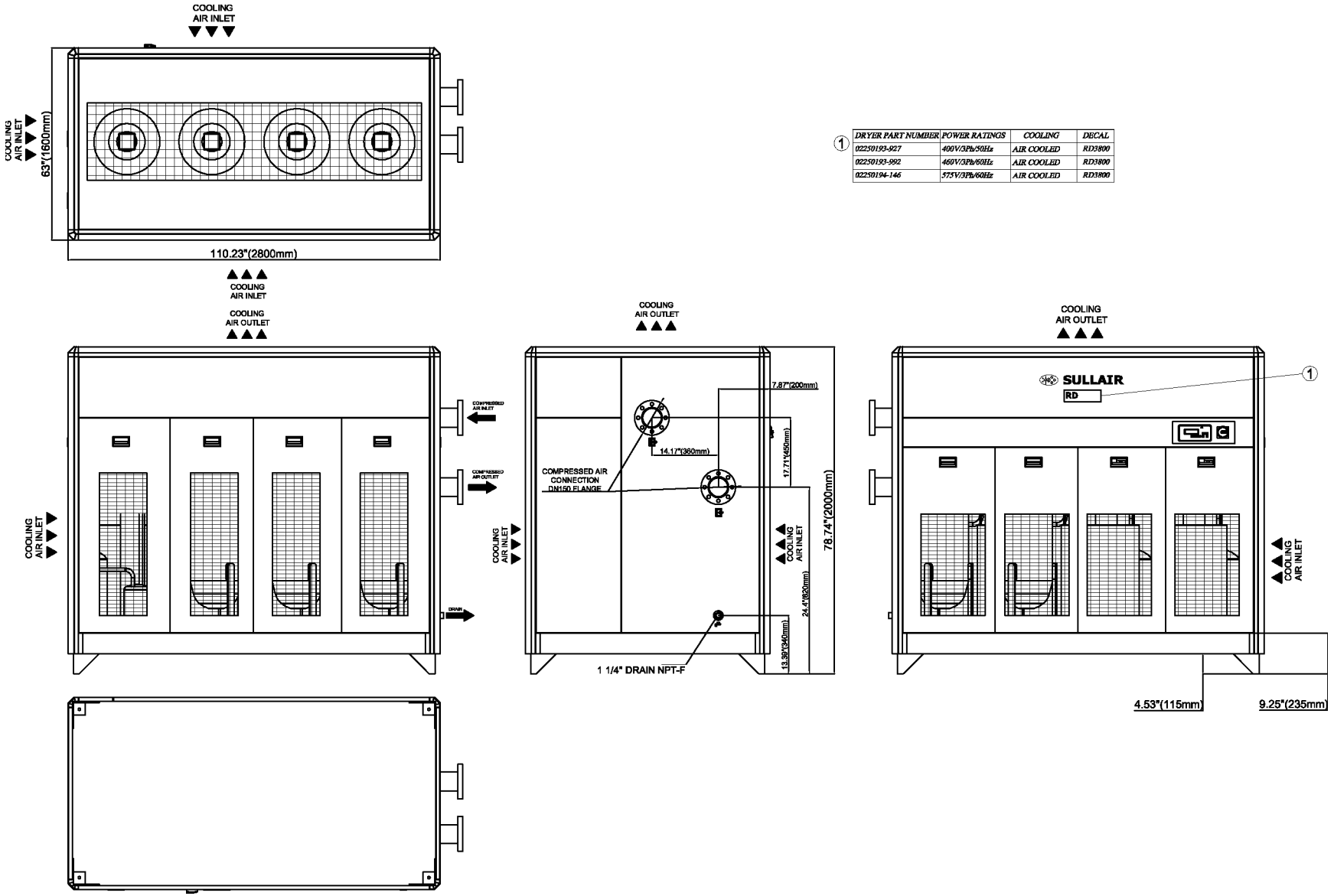
4.26 ID—RD2400-3000 WATER COOLED

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-954	400V/3Ph/50Hz	WATER COOLED	RD2400
02250194-115	460V/3Ph/60Hz	WATER COOLED	RD2400
02250194-167	575V/3Ph/60Hz	WATER COOLED	RD2400
02250193-955	400V/3Ph/50Hz	WATER COOLED	RD3000
02250194-116	460V/3Ph/60Hz	WATER COOLED	RD3000
02250194-168	575V/3Ph/60Hz	WATER COOLED	RD3000

4.27 ID—RD3800 AIR COOLED



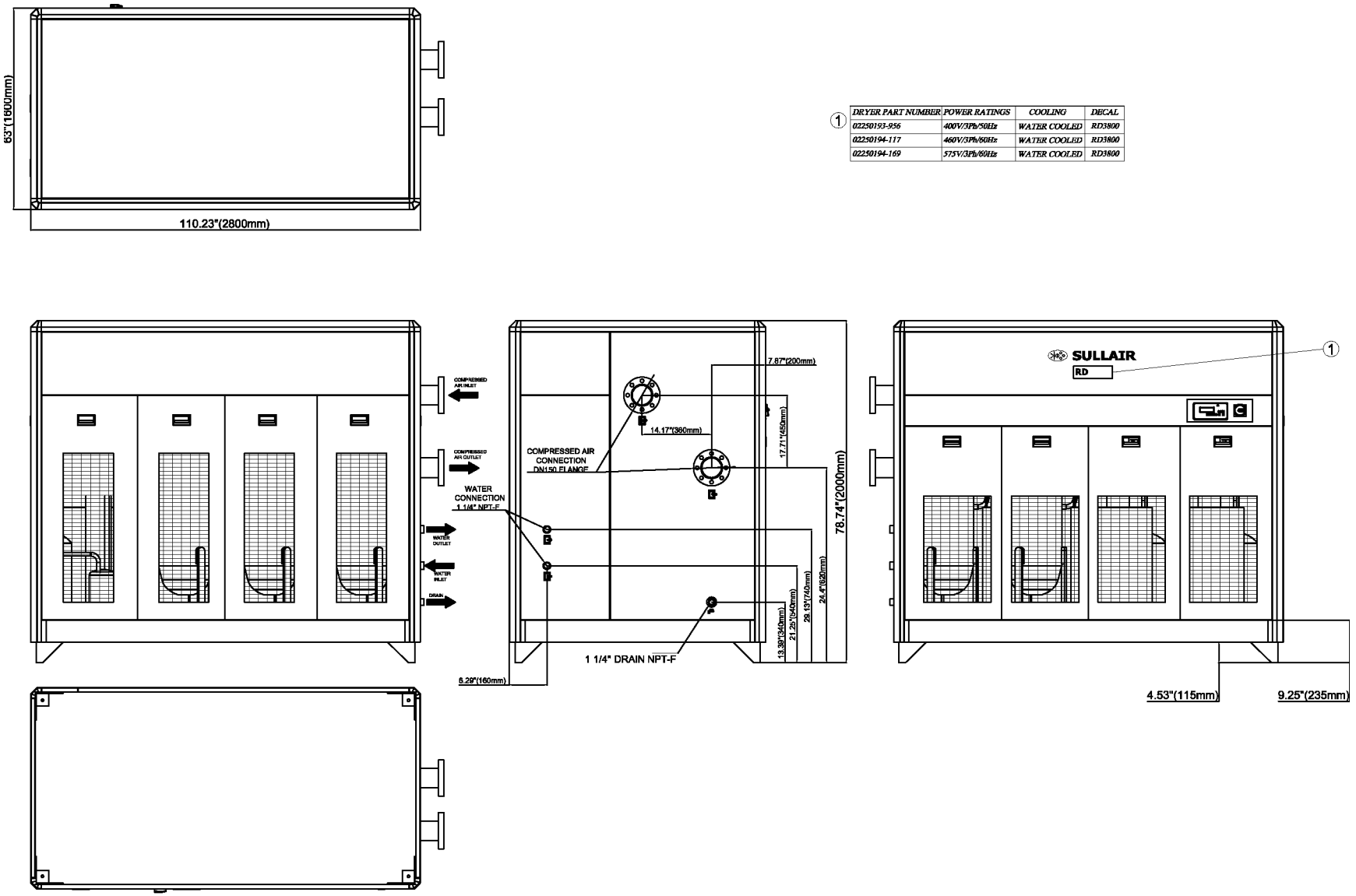
①	DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
	02250193-927	400V/3Ph/50Hz	AIR COOLED	RD3800
	02250193-992	460V/3Ph/60Hz	AIR COOLED	RD3800
	02250194-146	575V/3Ph/60Hz	AIR COOLED	RD3800

02250195-270

4.27 ID—RD3800 AIR COOLED

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-927	400V/3Ph/50Hz	AIR COOLED	RD3800
02250193-992	460V/3Ph/60Hz	AIR COOLED	RD3800
02250194-146	575V/3Ph/60Hz	AIR COOLED	RD3800

4.28 ID—RD3800 WATER COOLED



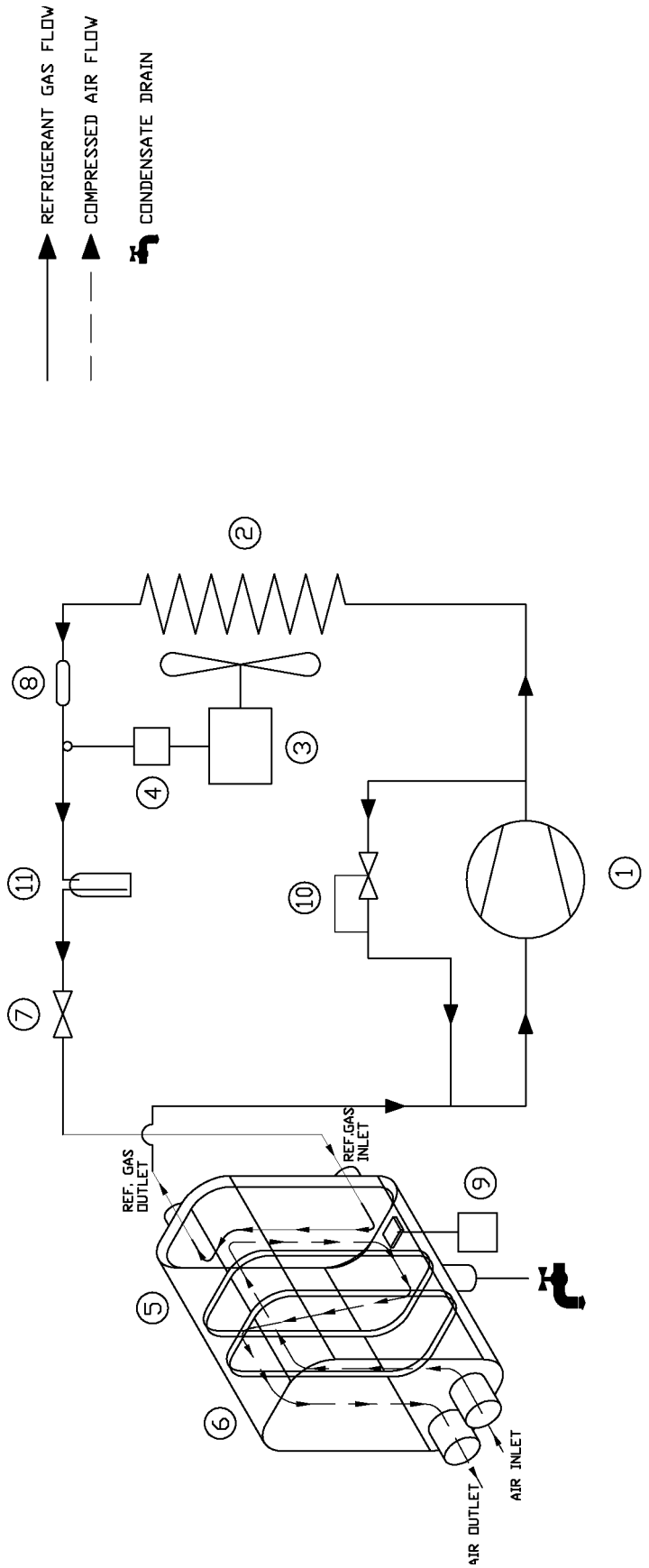
①	DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
	02250193-956	400V/3Ph/50Hz	WATER COOLED	RD3800
	02250194-117	460V/3Ph/60Hz	WATER COOLED	RD3800
	02250194-169	575V/3Ph/60Hz	WATER COOLED	RD3800

02250195-270

4.28 ID—RD3800 WATER COOLED

DRYER PART NUMBER	POWER RATINGS	COOLING	DECAL
02250193-956	400V/3Ph/50Hz	WATER COOLED	RD3800
02250194-117	460V/3Ph/60Hz	WATER COOLED	RD3800
02250194-169	575V/3Ph/60Hz	WATER COOLED	RD3800

4.29 P&I—RD400



02250195-291

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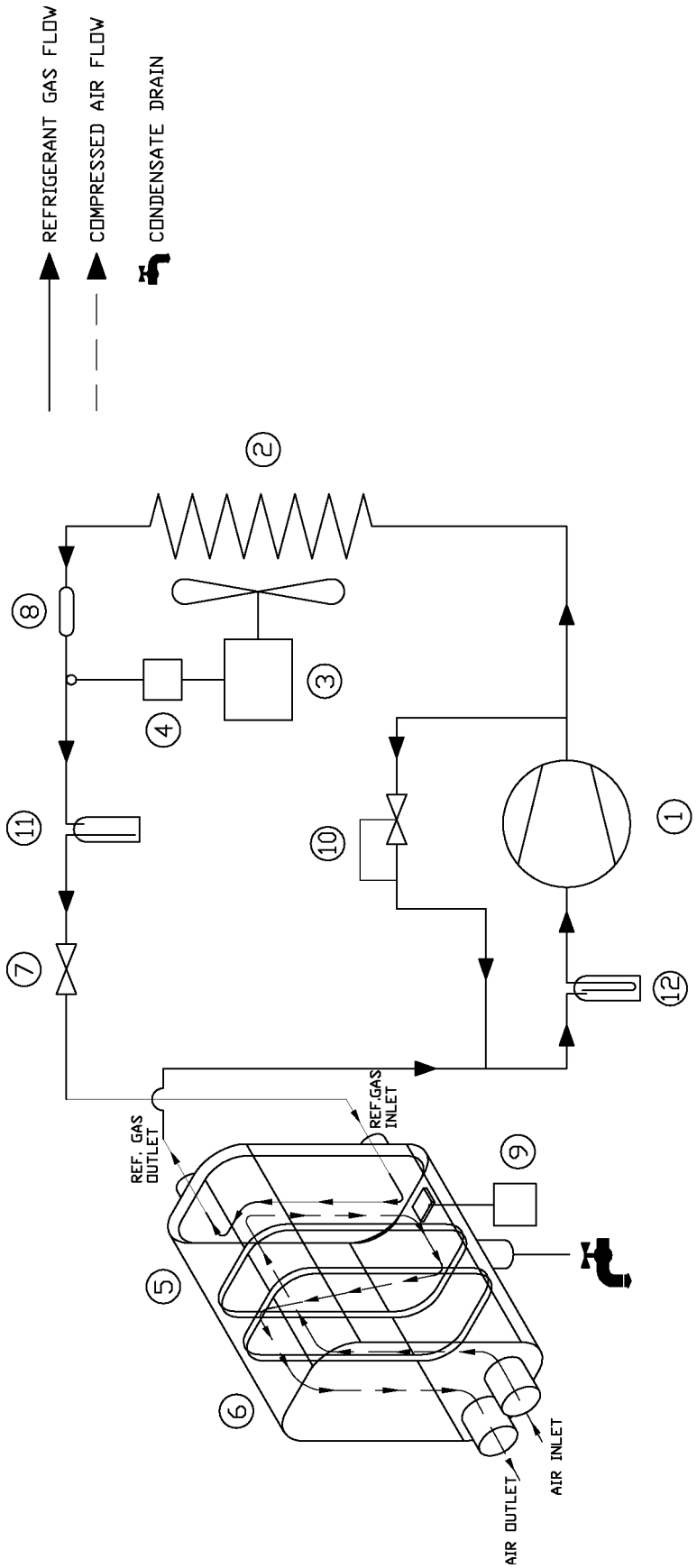
4.29 P&I—RD400

POS.	DESCRIPTION
1	COMPRESSOR
2	REFRIGERANT CONDENSER
3	FAN MOTOR
4	FAN MOTOR SWITCH
5	EVAPORATOR
6	AIR-AIR EXCHANGER
7	PRESSURE REGULATOR
8	DEHYDRATOR
9	DEW POINT INDICATOR
10	BY-PASS VALVE
11	LIQUID RECEIVER
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION	

MODEL	REFRIGERANT TYPE	LB
RD400	R134A	6.613

4.30 P&I—RD500-850



02250195-293

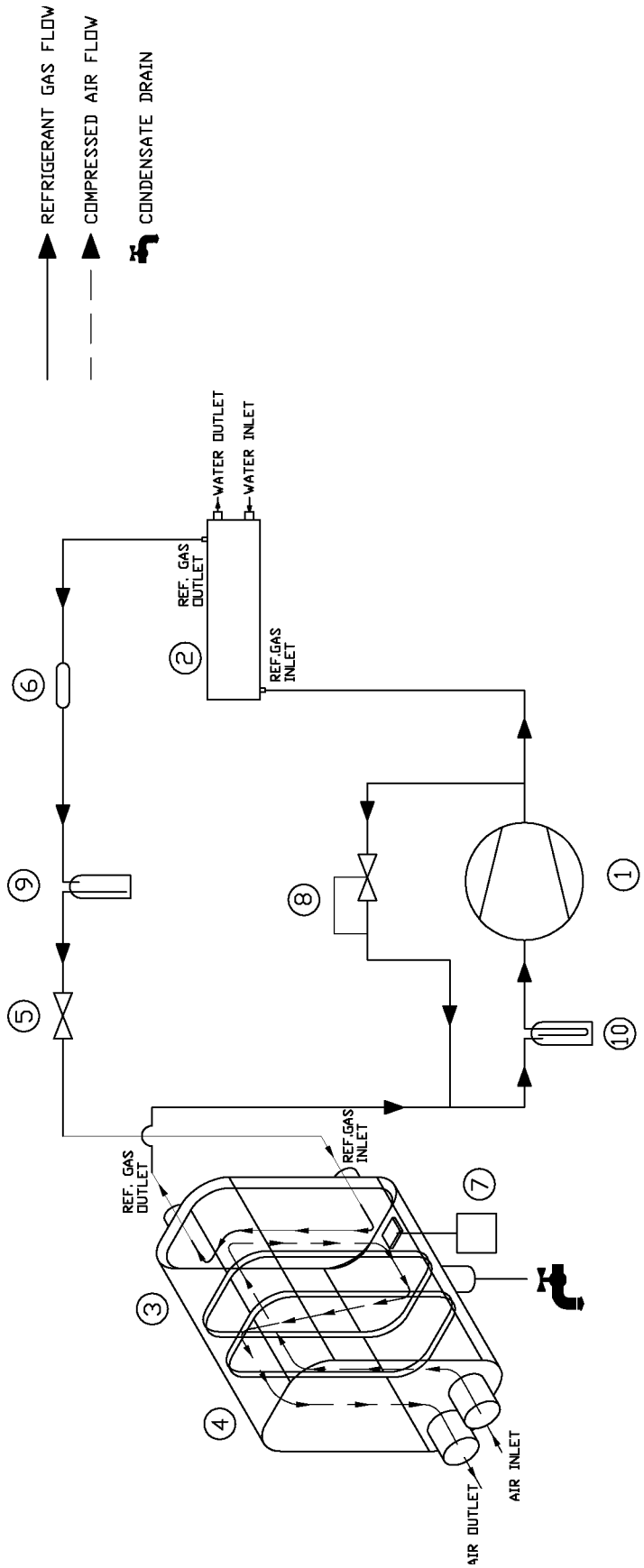
SULLAIR

4.30 P&I—RD500-850

POS.	DESCRIPTION
1	COMPRESSOR
2	REFRIGERANT CONDENSER
3	FAN MOTOR
4	FAN MOTOR SWITCH
5	EVAPORATOR
6	AIR-AIR EXCHANGER
7	PRESSURE REGULATOR
8	DEHYDRATOR
9	DEW POINT INDICATOR
10	BY-PASS VALVE
11	LIQUID RECEIVER
12	LIQUID SEPARATOR
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION	

MODEL	REFRIGERANT TYPE	LB
RD500	R134A	8.818
RD700		9.369
RD850		11.023

4.31 P&I—RD700-850



02250195-294

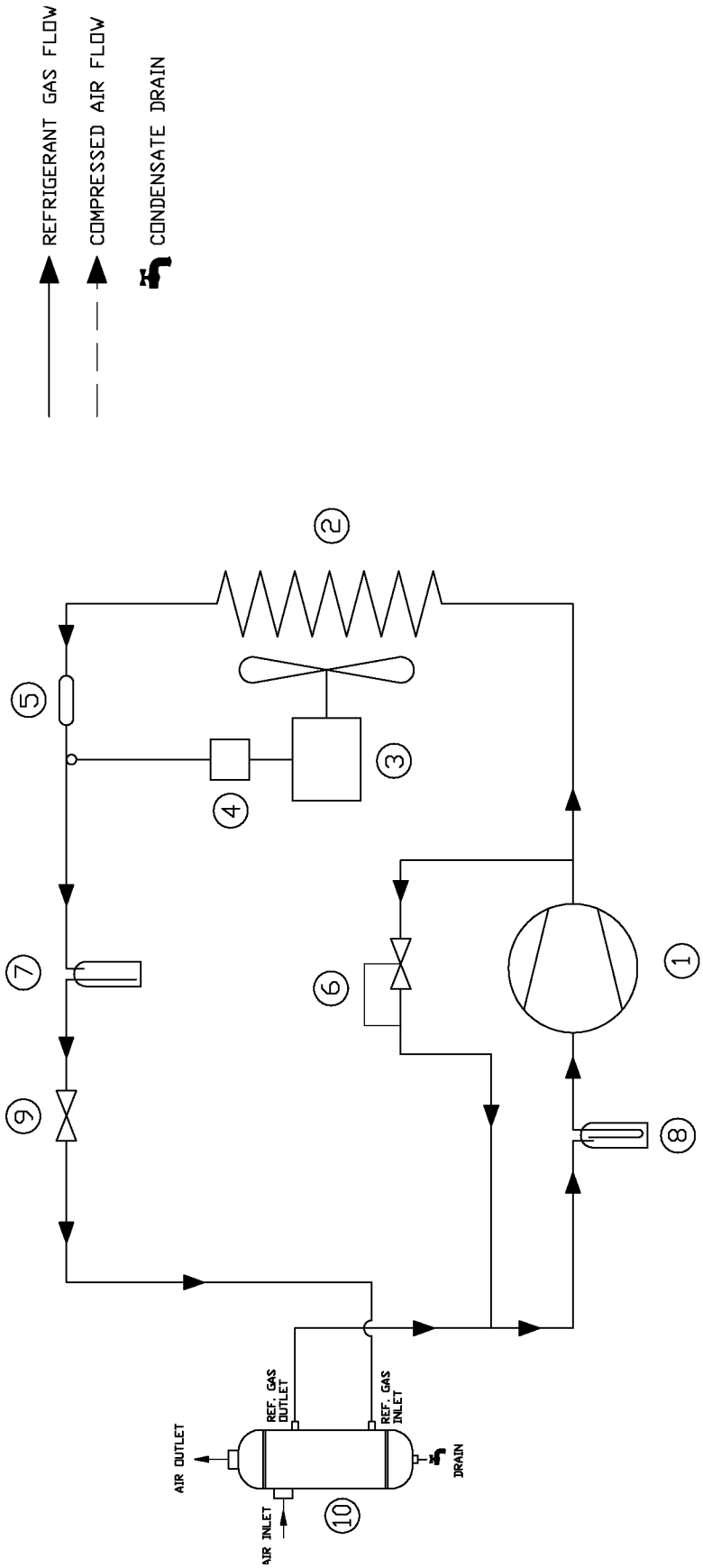
SULLAIR

4.31 P&I—RD700-850

POS.	DESCRIPTION
1	COMPRESSOR
2	WATER CONDENSER
3	EVAPORATOR
4	AIR-AIR EXCHANGER
5	PRESSURE REGULATOR
6	DEHYDRATOR
7	DEW POINT INDICATOR
8	BY-PASS VALVE
9	LIQUID RECEIVER
10	LIQUID SEPARATOR
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION.	

MODEL	REFRIGERANT TYPE	LB
RD700	R134A	9.369
RD850		11.023

4.32 P&I—RD1000-6000



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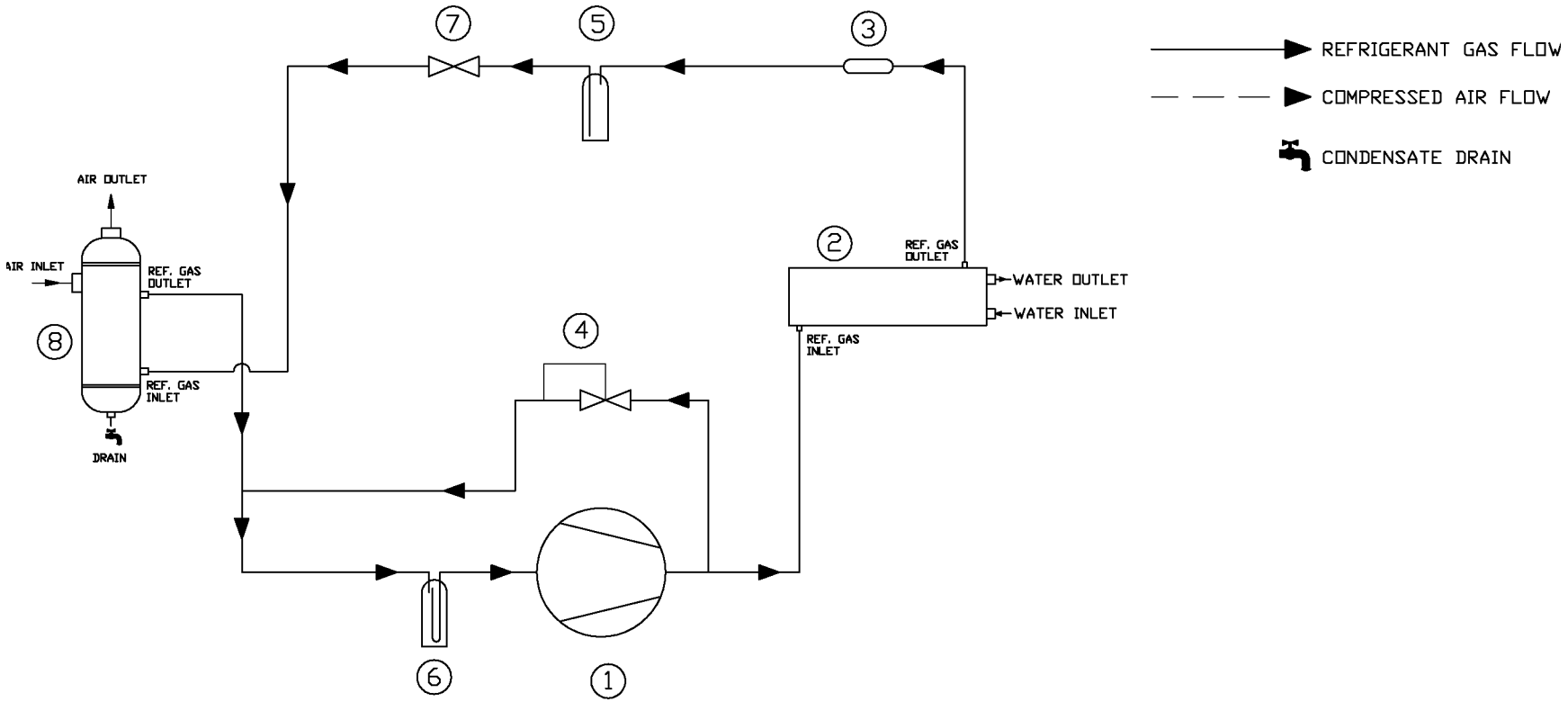
4.32 P&I—RD1000-6000

POS.	DESCRIPTION
1	COMPRESSOR
2	REFRIGERANT CONDENSER
3	FAN MOTOR
4	FAN MOTOR SWITCH
5	DEHYDRATOR
6	BY-PASS VALVE
7	LIQUID RECEIVER
8	LIQUID SEPARATOR
9	PRESSURE REGULATOR
10	ALUMINIUM BRAZED PLATE HEAT EXCHANGER
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION.	

MODEL	REFRIGERANT TYPE
RD1000	R134A
RD1200	
RD1600	
RD2000	
RD2400	
RD3000	
RD3800	
RD5000	
RD6000	

4.33 P&I—RD1000-6000

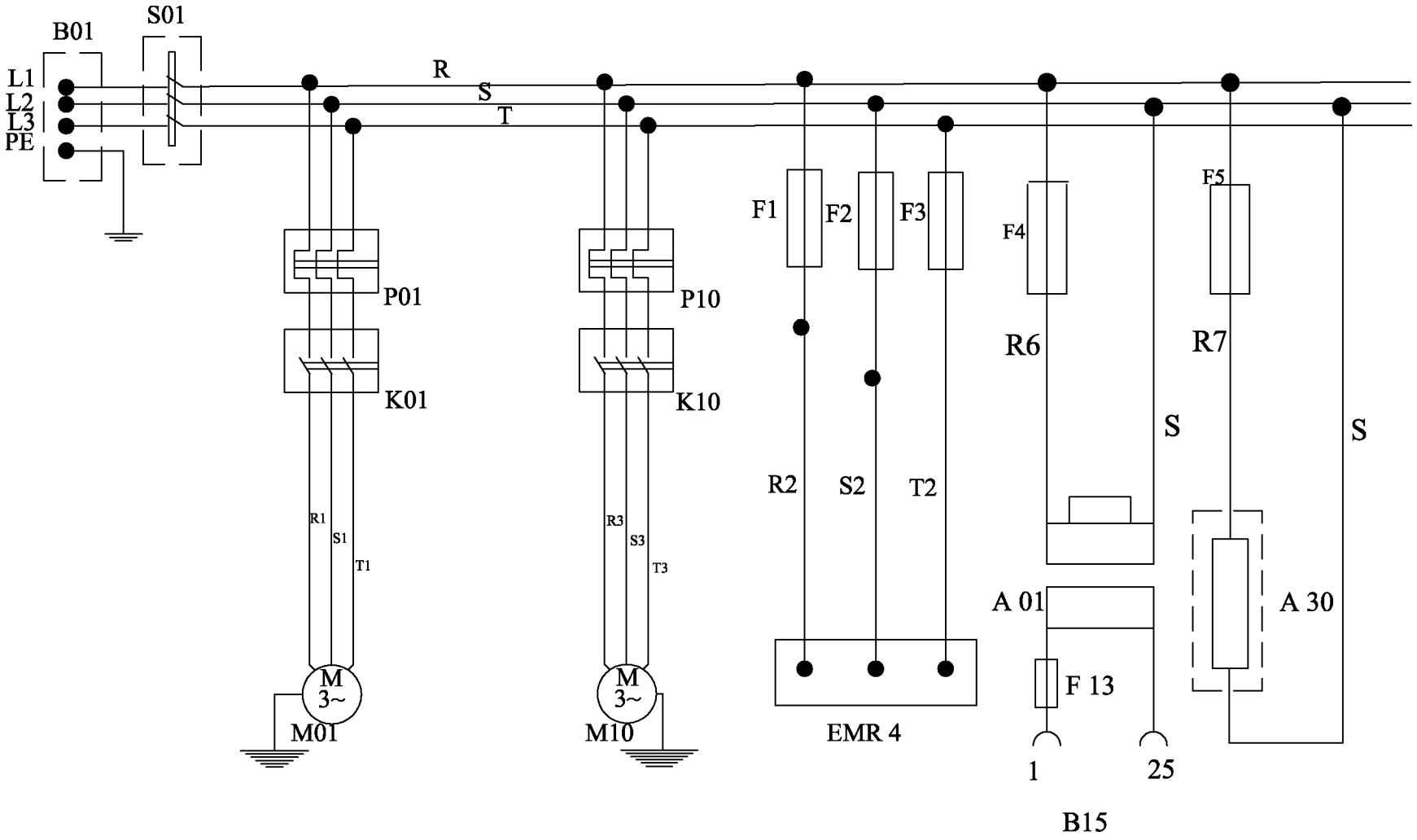


4.33 P&I—RD1000-6000

POS.	DESCRIPTION
1	COMPRESSOR
2	WATER CONDENSER
3	DEHYDRATOR
4	BY-PASS VALVE
5	LIQUID RECEIVER
6	LIQUID SEPARATOR
7	PRESSURE REGULATOR
8	ALUMINIUM BRAZED PLATE HEAT EXCHANGER
NOTE: MARK/TAG COMPONENT/CONTAINER WITH SULLAIR P/N AND REVISION.	

MODEL	REFRIGERANT TYPE
RD1000	R134A
RD1200	
RD1600	
RD2000	
RD2400	
RD3000	
RD3800	
RD5000	
RD6000	

4.34 WIRING DIAGRAM—RD400 (230-3-60-A)



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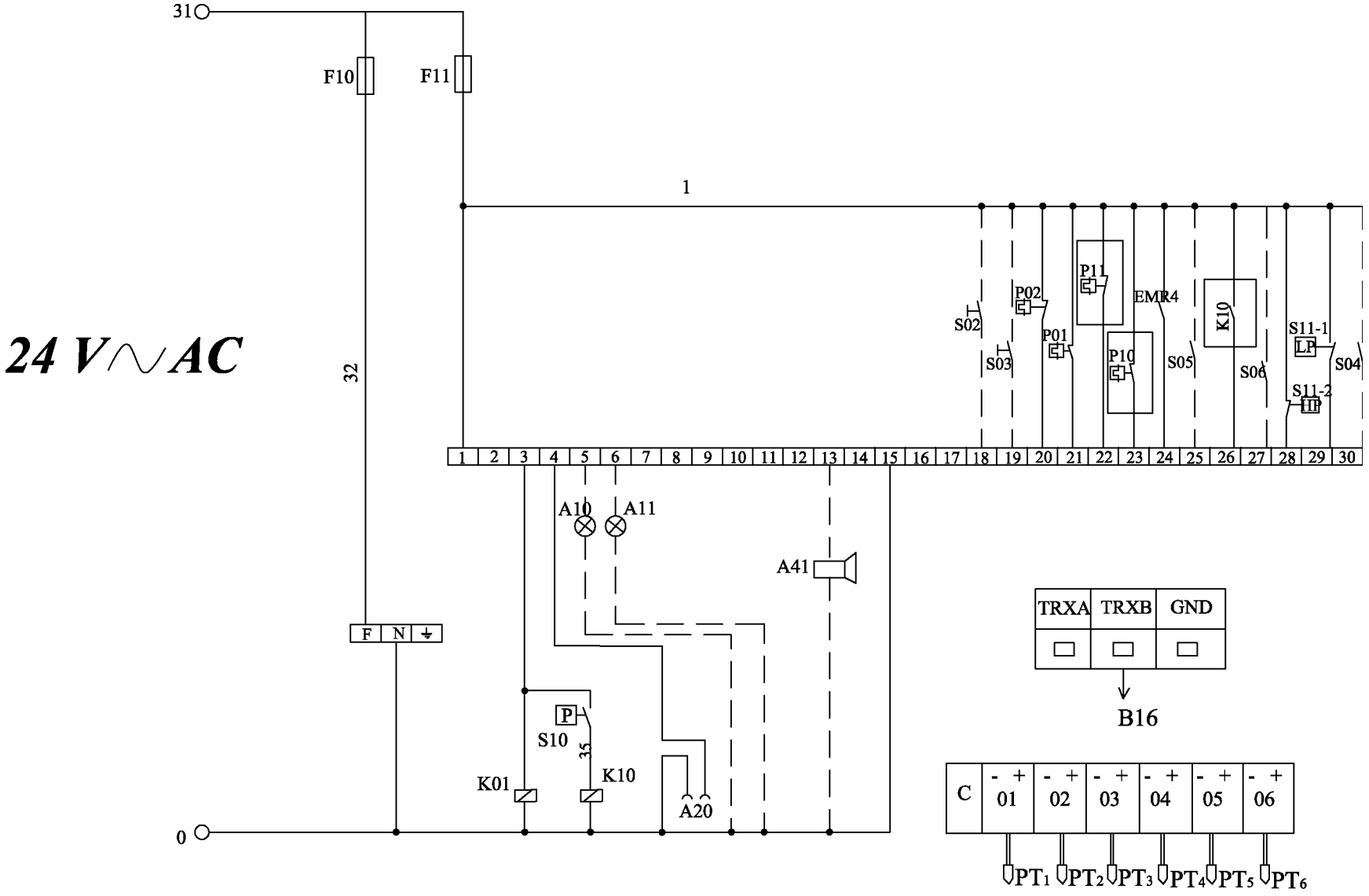
SULLAIR

4.34 WIRING DIAGRAM—RD400 (230-3-60-A)

COMP	DESCRIPTION
A01	Control circuit transformer
A30	Compressor chankaser heater
B01	Main terminal block
B15	Control circuit supply
EMR4	Phase protection relay
F1, F2, F3	A01 Primary protection
F13	Control circuit protection
K01	Compressor contactor (24V)
K10	Fan contactor (24V)
M01	Compressors
M10	Fan motor
P01	Thermal protection off-on compressor
P10	Over load protector
S01	Main switch

4.35 WIRING DIAGRAM—RD400 (230-3-60-A)



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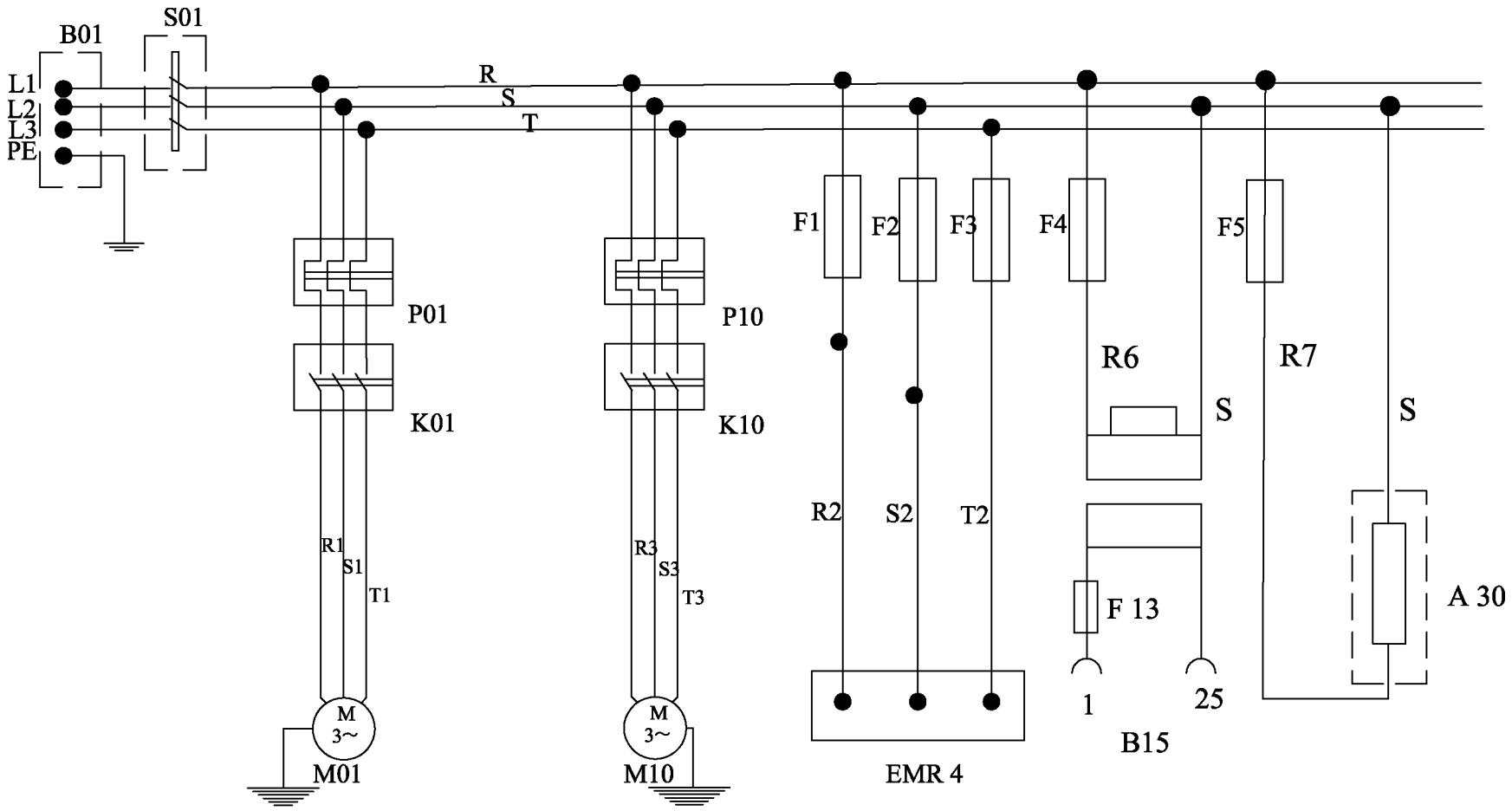
SULLAIR

4.35 WIRING DIAGRAM—RD400 (230-3-60-A)

COMP	DESCRIPTION
F10,F11	Control Circuit Protection
P01	Thermal Protection Off-on Compressor
P02	Compressor Heat Thermal Protector
P10	Thermal Protection Off-on Fan
P11	Fan Heat Thermal Protector
EMR4	Phase Protection Relay
S02	Remote Control Start Button
S03	Remote Control Stop Button
S04	Obstruction For Manual On/off
S05	Remote Control Contact
S06	Service Contact
S10	Fan Pressure Switch
S11	High Pressure Security Control 2
S12	Low Pressure Security Control 1
K01	Compressor Motor Relay
K10	Fan Motor Relay
A10	Remote Control Running Lamp (Green)
A11	Remote Control Stand-by Lamp (Red)
A20	Electronic Timer Supply
A41	Remote Control Alarm Contact
PT1	Inlet Air Temperature Sensor (Pt100)
PT2	Heat Exchanger Temperature Sensor (Pt100)
PT3	Low Pressure Line Sensor (Pt100)
PT4	High Pressure Line Sensor (Pt100)
PT5	Ambient Temperature Sensor (Pt100)
PT6	Condenser Exit Temperature Sensor (Pt100)
B16	Computer Control

4.36 WIRING DIAGRAM—RD400 (460-3-60-A, 400-3-50-A)



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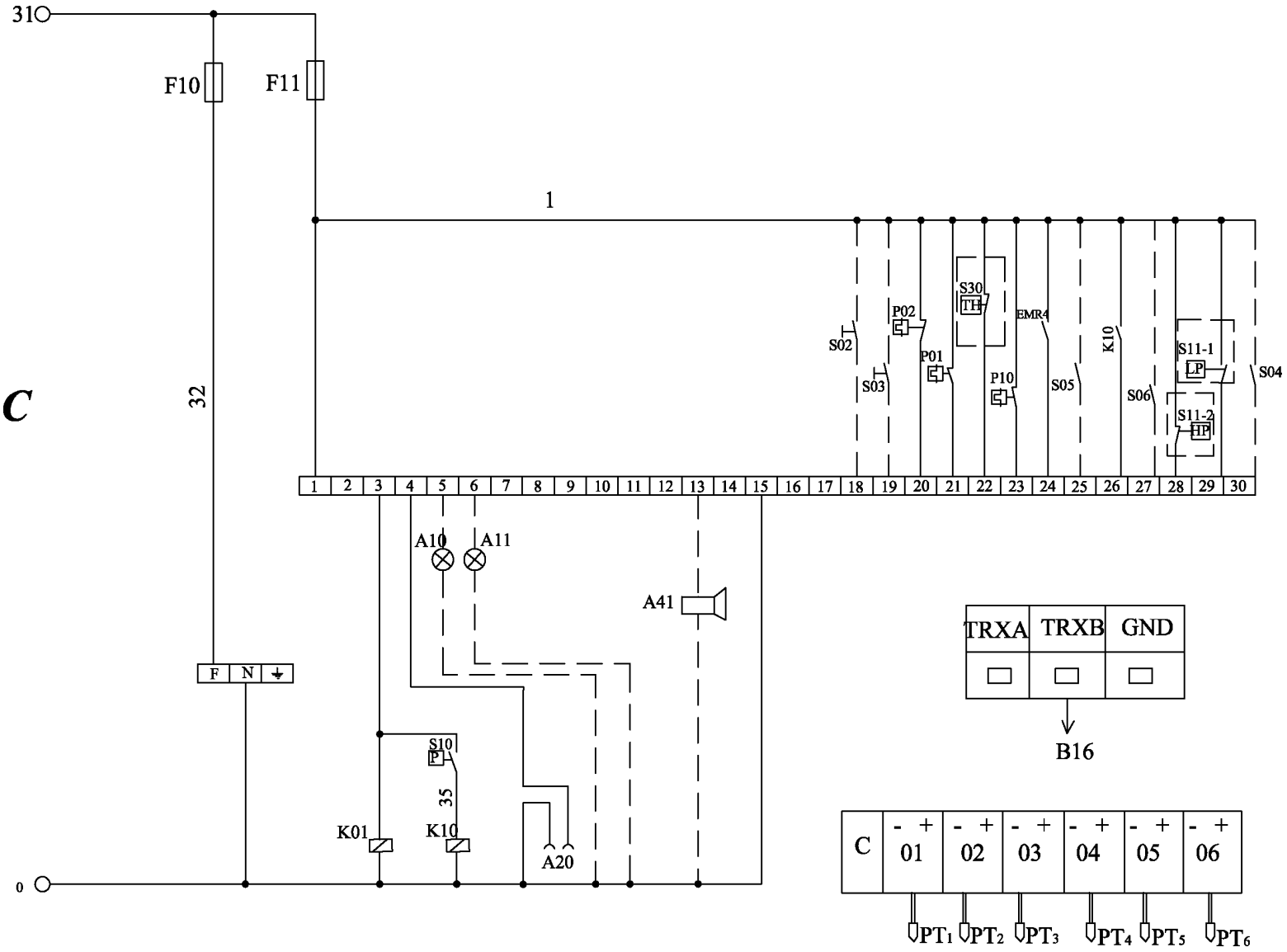
SULLAIR

4.36 WIRING DIAGRAM—RD400 (460-3-60-A, 400-3-50-A)

COMP	DESCRIPTION
A01	Control Circuit Transformer
A30	Compressor Chankaser Heaters
B01	Main Terminal Block
B15	Control Circuit Supply
EMR4	Phase Protection Relay
F1,F2,F3	Emr4 Poverload Protection
F4	A01 Primary Protection
F5	A40 Overload Protection
F13	Control Circuit Protection
K01	Compressor Contactor (24v)
M01	Compressor Motor
M10	Fan Motor
P01	Thermal Protection Off-on Compressor
P10	Fan Motor Over Load Protector
S01	Main Switch

4.37 WIRING DIAGRAM—RD400 (460-3-60-A, 400-3-50-A)



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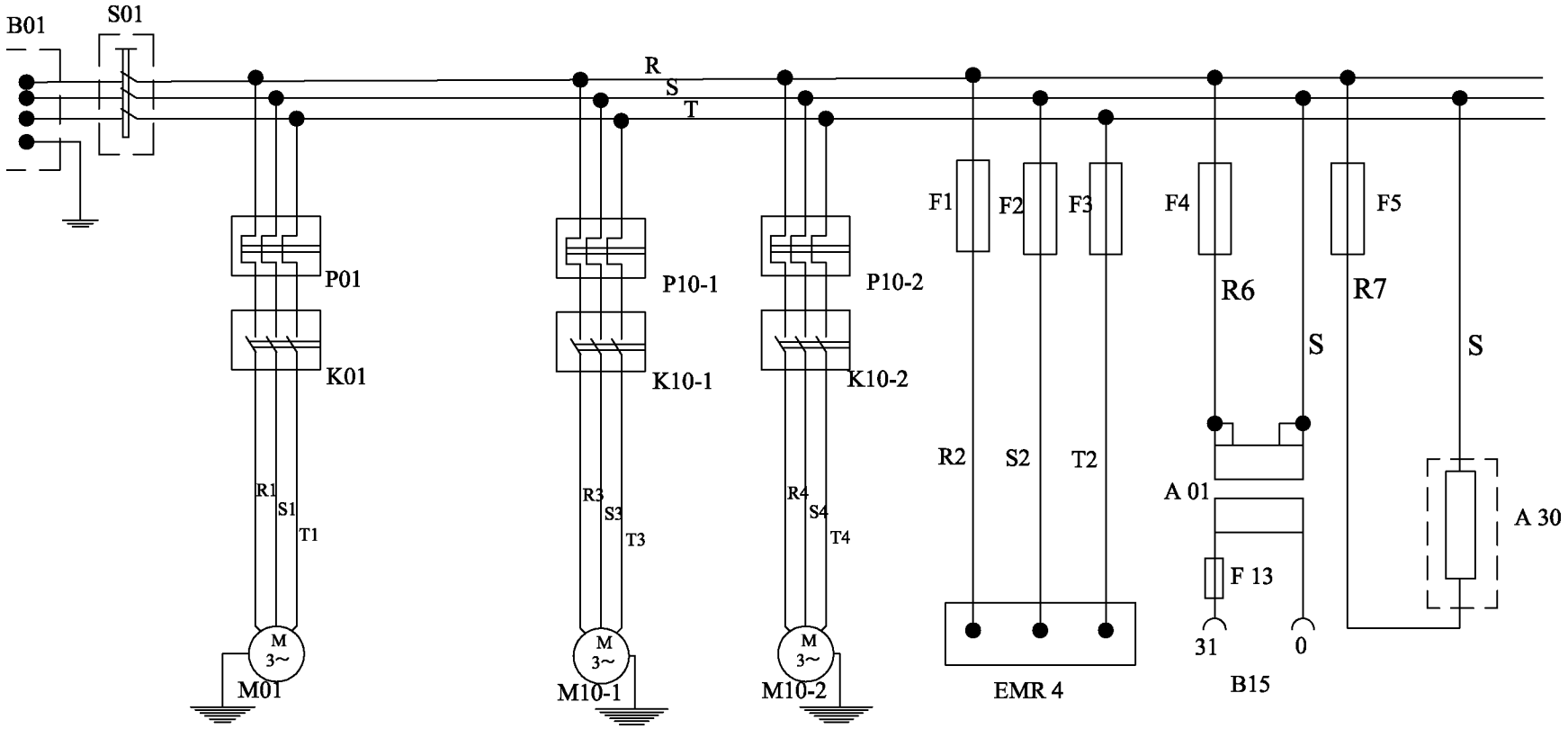
4.37 WIRING DIAGRAM—RD400 (460-3-60-A, 400-3-50-A)

COMP	DESCRIPTION
F10,F11	Control Circuit Protection
P01	Thermal Protection Off-on Compressor
P02	Compressor Heat Thermal Protector
P10	Thermal Protection Off-on Fan
S30	Fan Heat Thermal Protector
EMR4	Phae Protection Relay
S02	Remote Control Start Button
S03	Remote Control Stop Button
S04	Obstruction For Manual On/off
S05	Remote Control Contact
S06	Service Contact
S10	Fan Pressure Switch
S11-2	High Pressure Security Control 2
S11-1	Low Pressure Security Control 1
K01	Compressor Motor Relay
K10	Fan Motor Relay
A10	Remote Control Running Lamp (Green)
A11	Remote Control Stand-by Lamp (Red)
A20	Electronic Timer Supply
A41	Remote Control Alarm Contact
PT1	Inlet Air Temperature Sensor (Pt100)
PT2	Heat Exchanger Temperature Sensor (Pt100)
PT3	Low Pressure Line Sensor (Pt100)
PT4	High Pressure Line Sensor (Pt100)

COMP	DESCRIPTION
PT5	Ambient Temperature Sensor (Pt100)
PT6	Condenser Exit Temperature Sensor (Pt100)
B16	Computer Control
HP	Indicated High Pressure
LP	Indicated Low Pressure
TH	Indicated High Temperature In The Circuit

4.38 WIRING DIAGRAM—RD500/700 (230-3-60-A)



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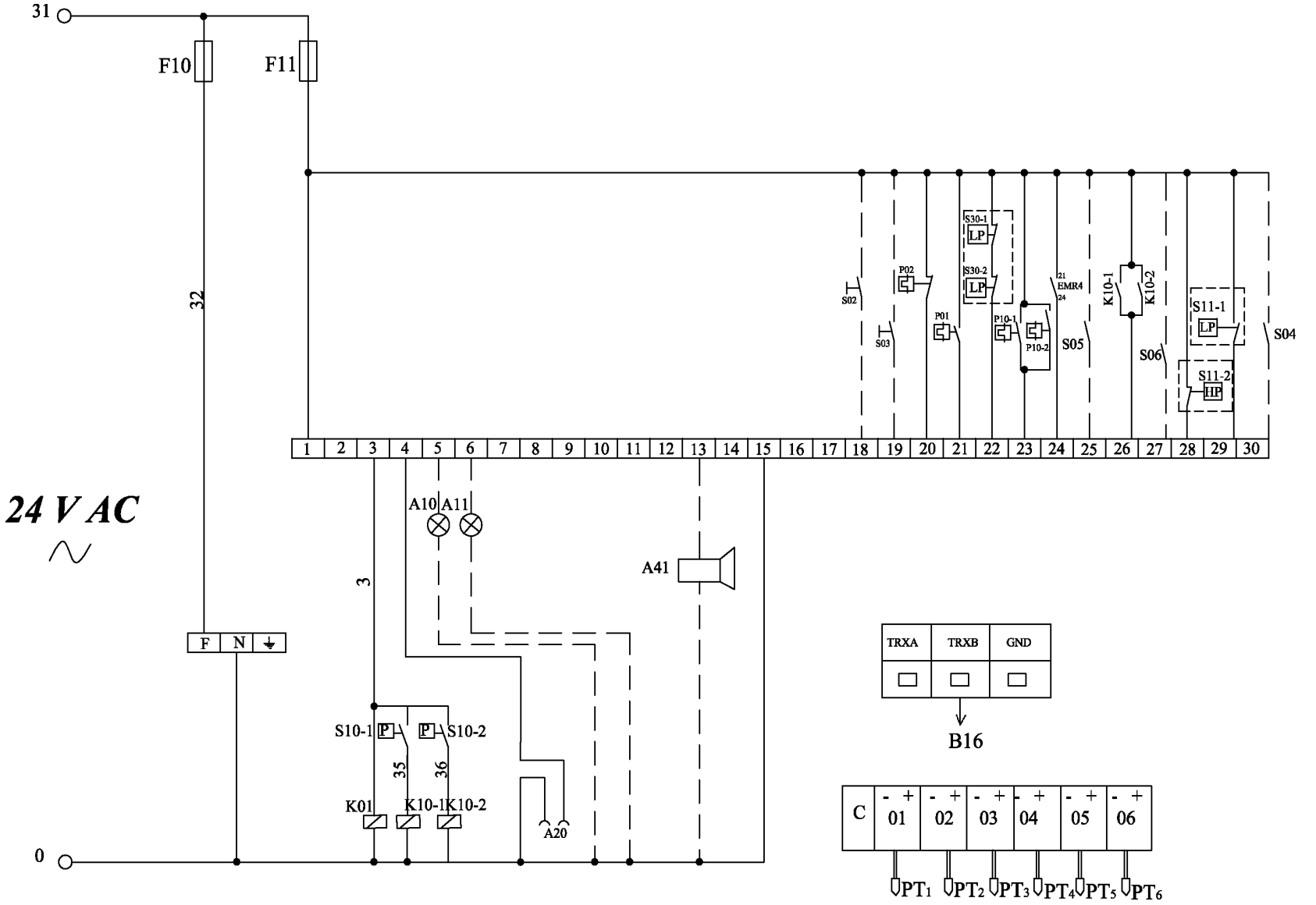
SULLAIR

4.38 WIRING DIAGRAM—RD500/700 (230-3-60-A)

COMP	DESCRIPTION
A01	Control Circuit Transformer
A30	Compressor Chankaser Heaters
B01	Main Terminal Block
B15	Control Circuit Supply
EMR4	Phase Protection Relay
F1,F2,F3	Emr4 Poverload Protection
F4	A01 Rimary Protection
F5	A30 Overload Protection
F13	Control Circuit Protection
K01-1	Compressor Contactor (24v)
K01-2	Compressor Contactor (24v)
K10	Fan Contactor (24v)
M01	Compressor Motor
M10-1	Fan Motor
M10-2	Fan Motor
P01	Thermal Protection Off-on Compressor
P10	Fan Motor Over Load Protector
S01	Main Switch

4.39 WIRING DIAGRAM—RD500/700 (230-3-60-A)



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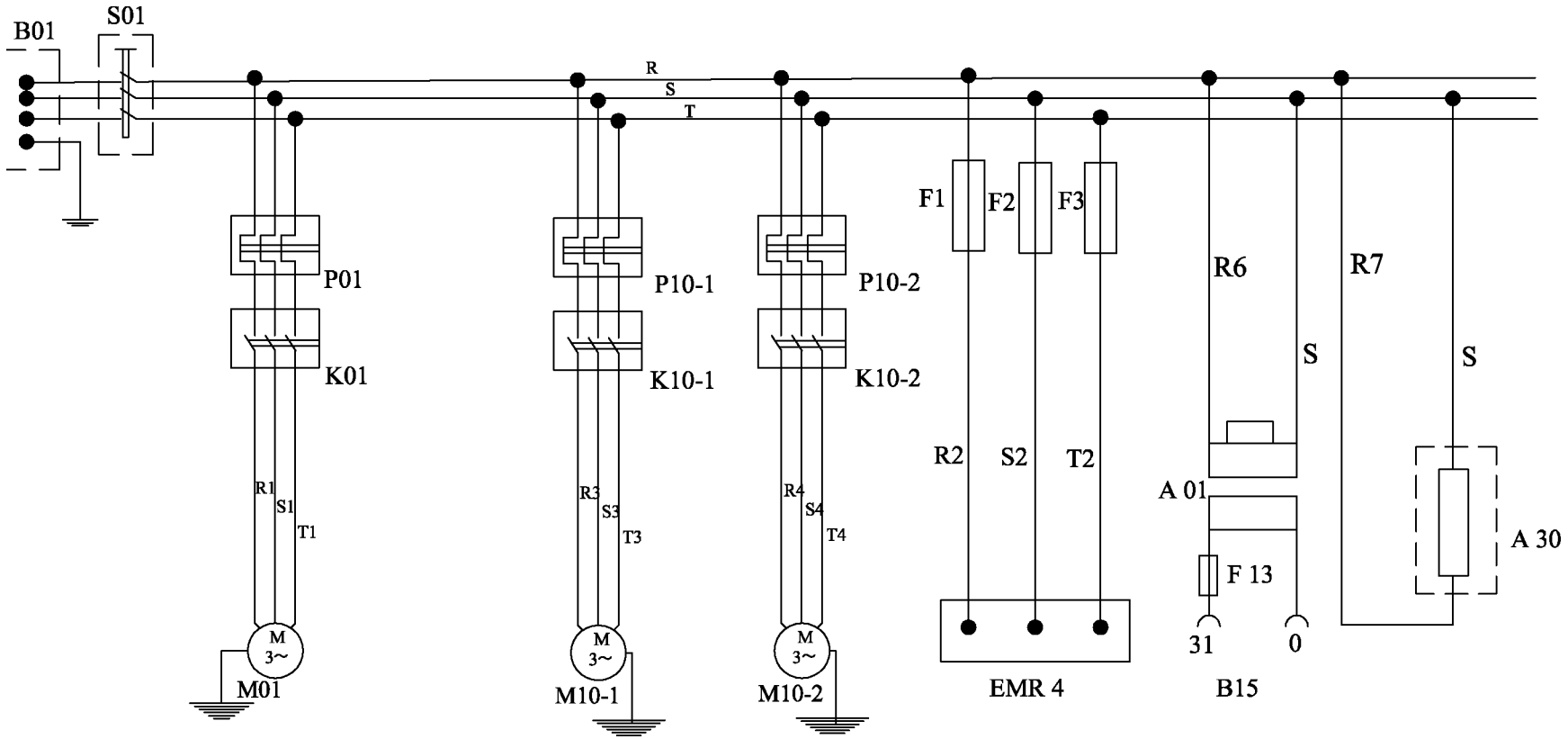
SULLAIR

4.39 WIRING DIAGRAM—RD500/700 (230-3-60-A)

COMP	DESCRIPTION
F10,F11	Control Circuit Protection
S02	Remote Control Start Button
S03	Remote Control Stop Button
P01	Thermal Protection Off-on Compressor
P02	Compressor Heat Thermal
P10-1	Thermal Protection Off-on Fan 1
P10-2	Thermal Protection Off-on Fan 2
S30-1	Fan Heat Thermal 1
S30-2	Fan Heat Thermal 2
EMR4	Phase Protection Relay
S04	Remote Control Contact
S05	Obstruction For Manual On/0ff
S06	Service Contact
S10-1	Fan Pressure Switch 1
S10-2	Fan Pressure Switch 2
S11-1	Low Pressure Security Control 1
S11-2	High Pressure Security Control 2
K01	Compressor Motor Relay
K10-1	Ran Motor Relay 1
K10-2	Fan Motor Relay 2
A20	Electronic Timer Supply
A10	Remote Control Running Lamp (Green)
A11	Remote Control Stand-by Lamp (Red_
A41	Remote Control Alarm Contact
PT1	Inlet Air Temperature Sensor (Pt100)
PT2	Heat Exchanger Temperature Sensor (Pt100)

COMP	DESCRIPTION
PT3	Low Pressure Line Sensor (Pt100)
PT4	High Pressure Line Sensor (Pt100)
PT5	Ambient Temperature Sensor (Pt100)
PT6	Condenser Exit Temperature Sensor (Pt100)
B16	Computer Control
HP	Indicates High Pressure
LP	Indicates Low Pressure
TH	Indicates High Temperature In The Circuit

4.40 WIRING DIAGRAM—RD (500/700/850-1000-1200-1600-2000-2400-3000-3800-5000-6000)-460-3-60-A, 400-3-50-A



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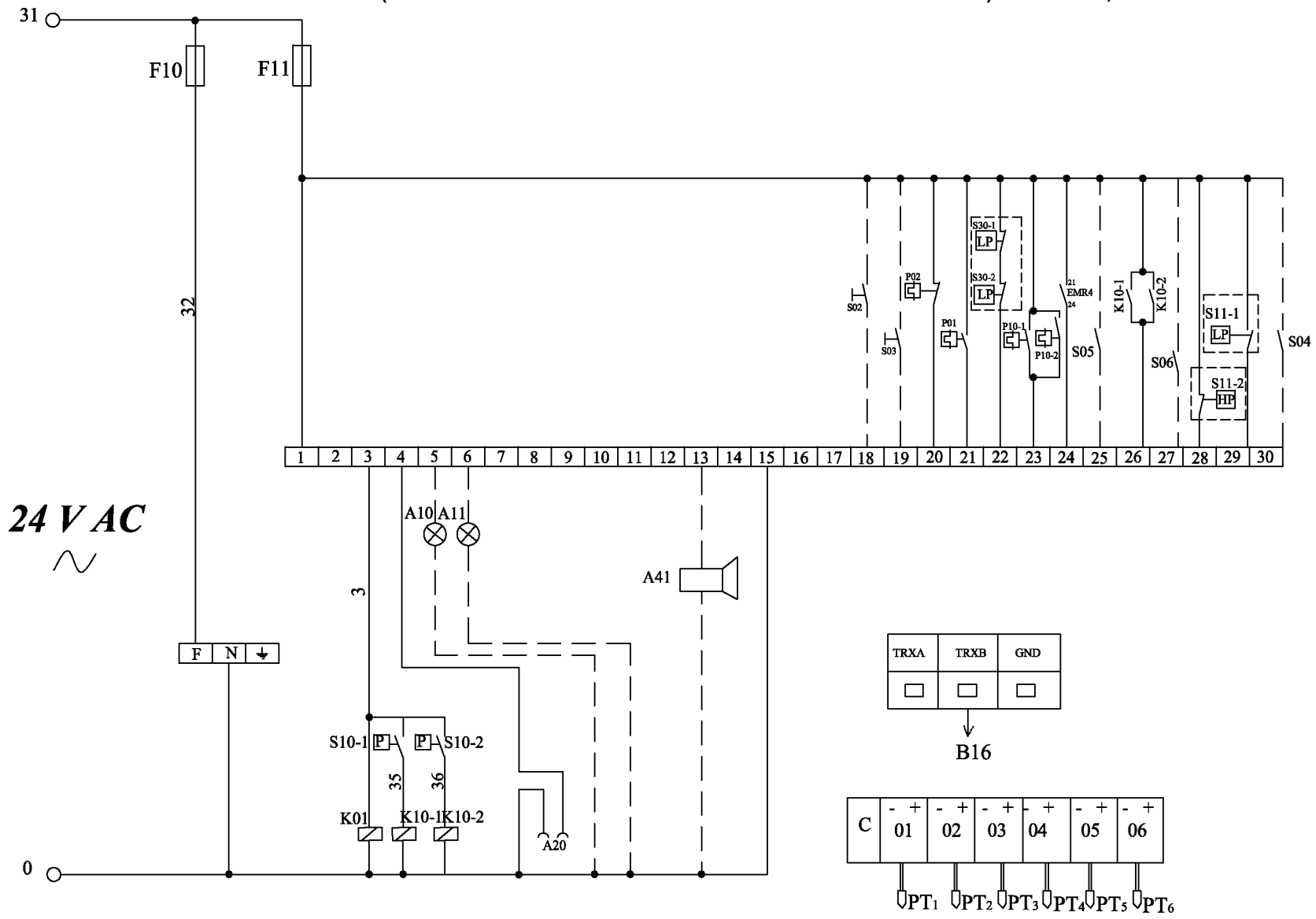
SULLAIR

4.40 WIRING DIAGRAM—RD (500/700/850-1000-1200-1600-2000-2400-3000-3800-5000-6000)-460-3-60-A, 400-3-50-A

COMP	DESCRIPTION
A01	Control circuit transformer
A30	Compressor chankaser heater
B01	Main terminal block
B15	Control circuit supply
EMR4	Phase protection relay
F1, F2, F3	EMR4 Poverload Protection
F4	A01 Primary Protection
F5	A30 Overload Protection
F13	Control circuit protection
K01-1	Compressor contactor (24V)
K01-2	Compressor contactor (24V)
K10	Fan contactor (24V)
M01	Compressor
M10-1	Fan motor
M10-2	Fan motor
P01	Thermal protection off-on compressor
P10	Over load protector
S01	Main switch

4.41 WIRING DIAGRAM—RD (500/700/850-1000-1200-1600-2000-2400-3000-3800-5000-6000)-460-3-60-A, 400-3-50-A



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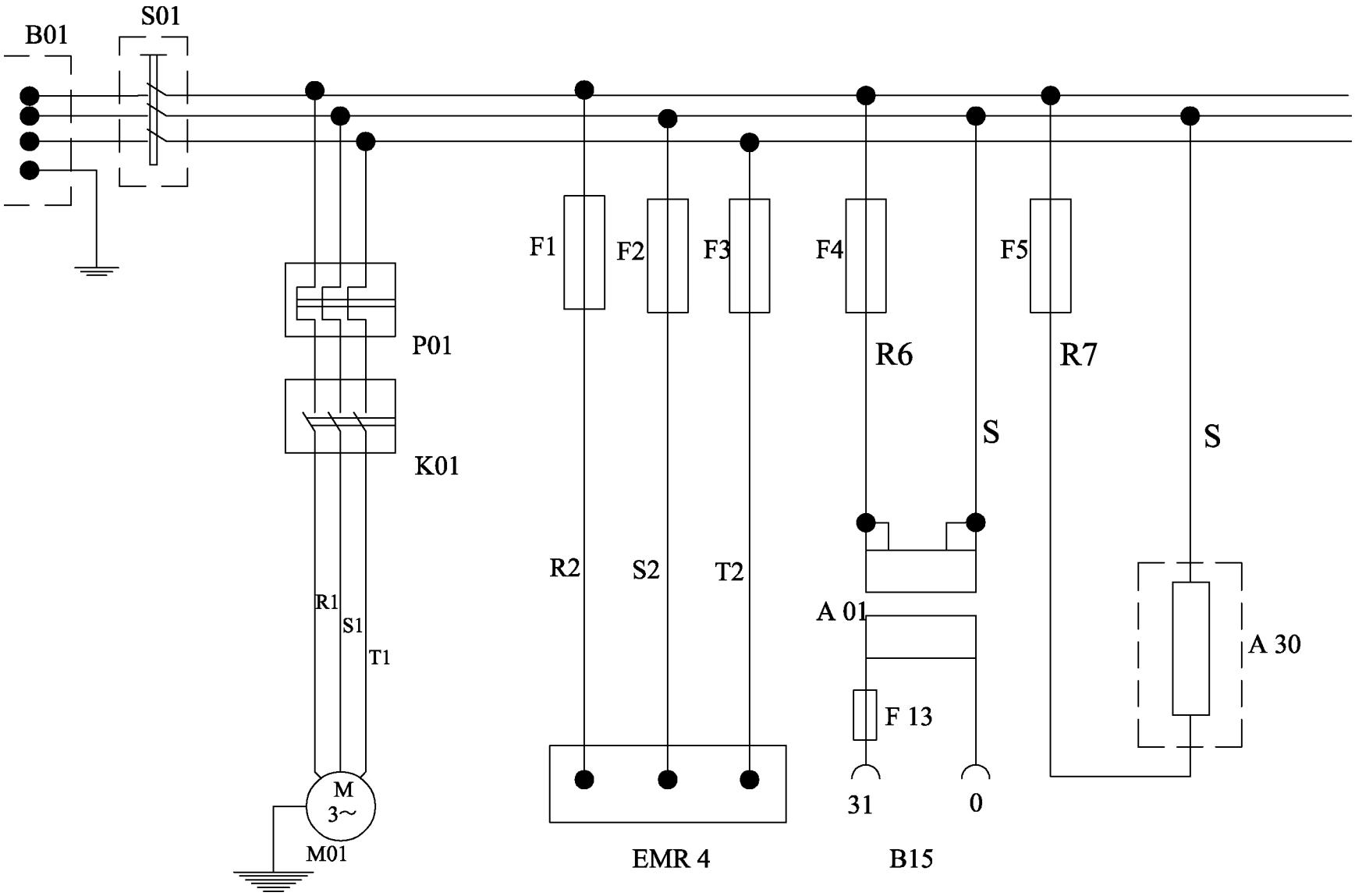
SULLAIR

4.41 WIRING DIAGRAM—RD (500/700/850-1000-1200-1600-2000-2400-3000-3800-5000-6000)-460-3-60-A, 400-3-50-A

COMP	DESCRIPTION
F10,F11	Control Circuit Protection
S02	Remote Control Start Button
S03	Remote Control Stop Button
P01	Thermal Protection Off-on Compressor
P02	Compressor Heat Thermal
P10-1	Thermal Protection Off-on Fan 1
P10-2	Thermal Protection Off-on Fan 2
S30-1	Fan Heat Thermal 1
S30-2	Fan Heat Thermal 2
EMR4	Phase Protection Relay
S04	Remote Control Contact
S05	Obstruction For Manual On/0ff
S06	Service Contact
S10-1	Fan Pressure Switch 1
S10-2	Fan Pressure Switch 2
S11-1	Low Pressure Security Control 1
S11-2	High Pressure Security Control 2
K01	Compressor Motor Relay
K10-1	Ran Motor Relay 1
K10-2	Fan Motor Relay 2
A20	Electronic Timer Supply
A10	Remote Control Running Lamp (Green)
A11	Remote Control Stand-by Lamp (Red_
A41	Remote Control Alarm Contact
PT1	Inlet Air Temperature Sensor (Pt100)
PT2	Heat Exchanger Temperature Sensor (Pt100)

COMP	DESCRIPTION
PT3	Low Pressure Line Sensor (Pt100)
PT4	High Pressure Line Sensor (Pt100)
PT5	Ambient Temperature Sensor (Pt100)
PT6	Condenser Exit Temperature Sensor (Pt100)
B16	Computer Control
HP	Indicates High Pressure
LP	Indicates Low Pressure
TH	Indicates High Temperature In The Circuit

4.42 WIRING DIAGRAM—RD700-850 (230-3-60-W)

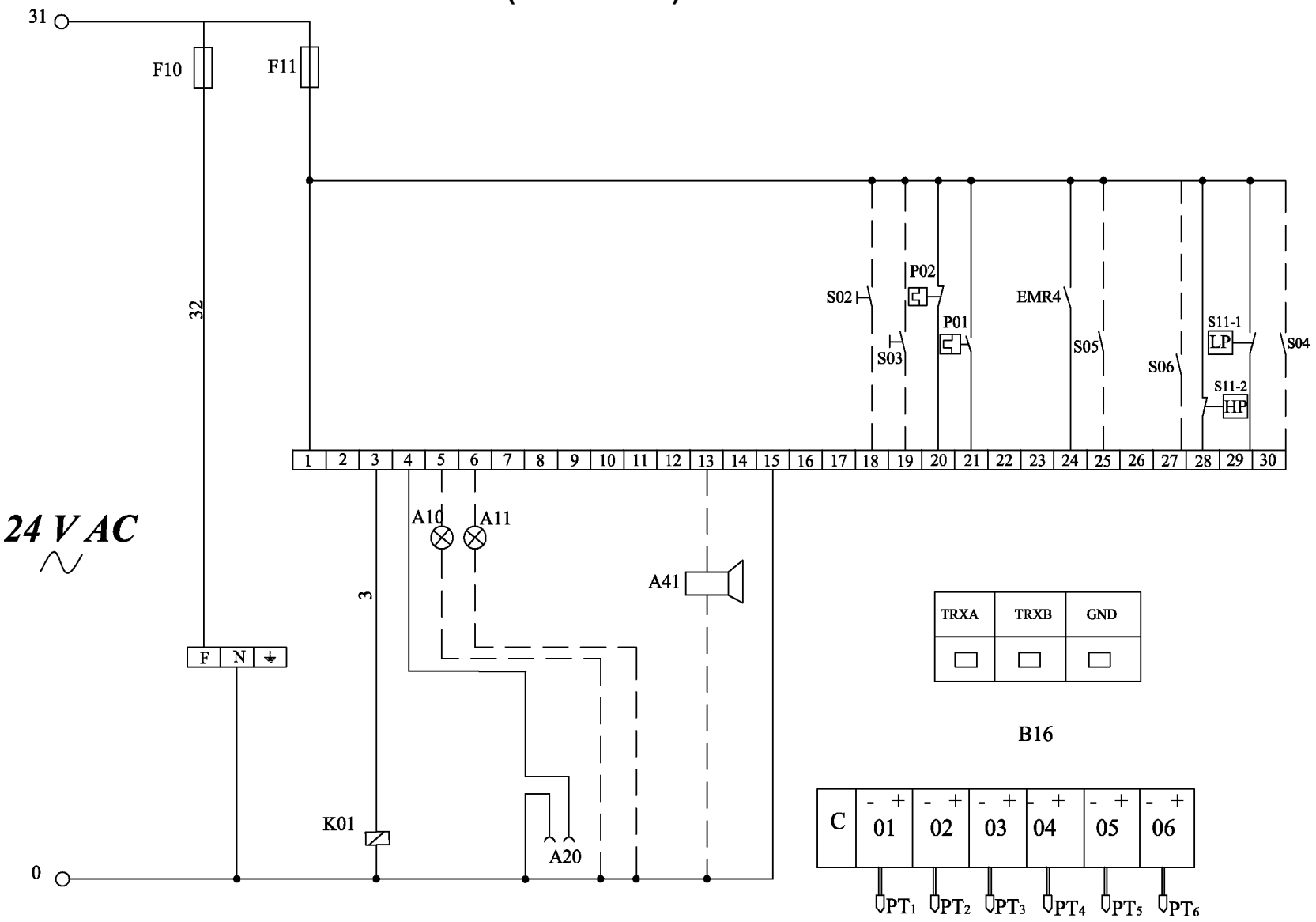


02250195-976-1

4.42 WIRING DIAGRAM—RD700-850 (230-3-60-W)

COMP	DESCRIPTION
A01	Control circuit transformer
A30	Compressor chankaser heater
B01	Main terminal block
B15	Control circuit supply
EMR4	Phase protection relay
F1, F2, F3	EMR4 Poverload Protection
F4	A01 Primary Protection
F5	A30 Overload Protection
F13	Control circuit protection
K01	Compressor contactor (24V)
M01	Compressor
P01	Thermal protection off-on compressor
S01	Main switch

4.43 WIRING DIAGRAM—RD700-850 (230-3-60-W)



02250195-976-2

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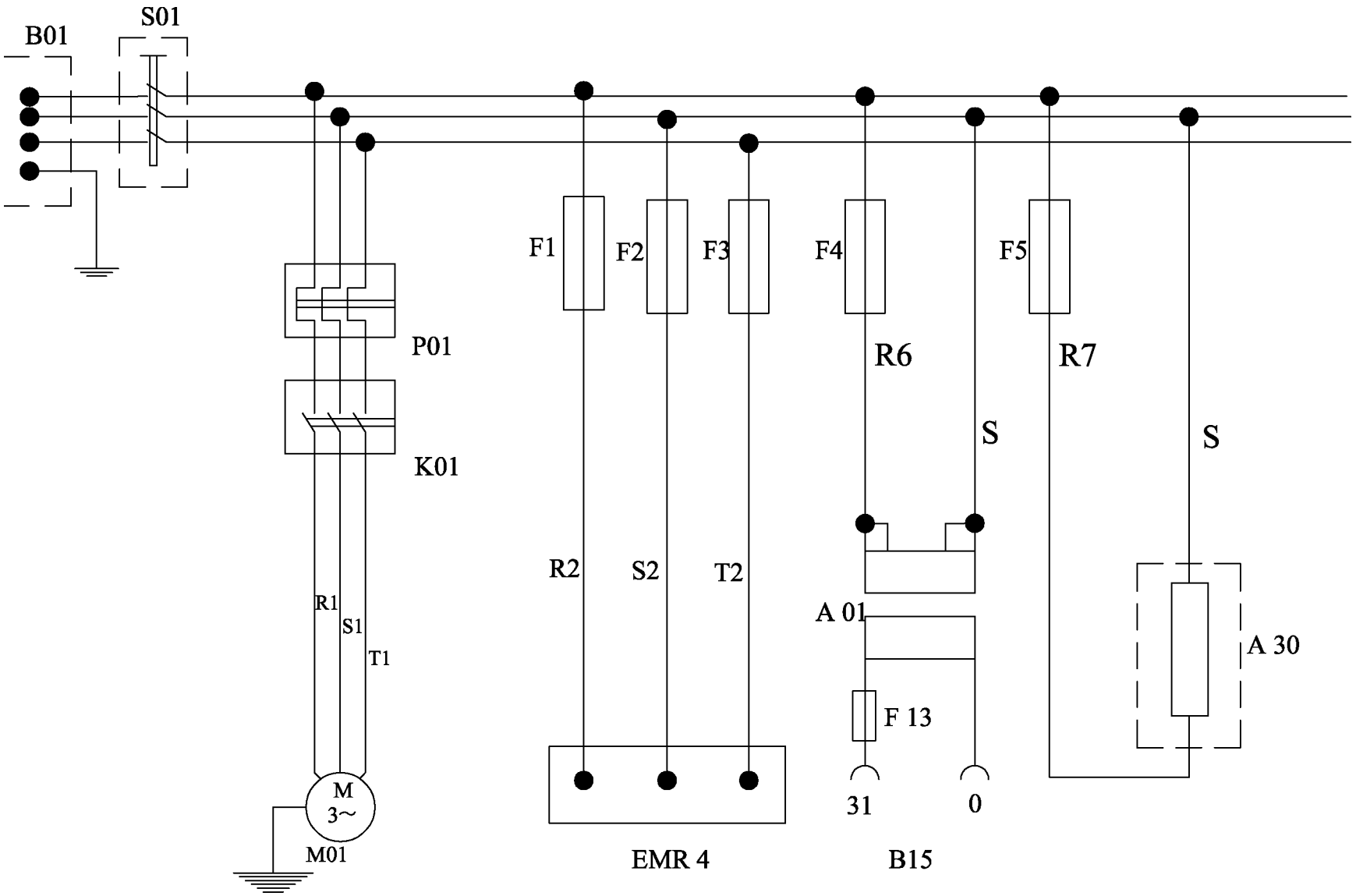
4.43 WIRING DIAGRAM—RD700-850 (230-3-60-W)

COMP	DESCRIPTION
F10,F11	Control Circuit Protection
S02	Remote Control Start Button
S03	Remote Control Stop Button
P01	Thermal Protection Off-on Compressor
P02	Compressor Heat Thermal
EMR4	Phase Protection Relay
S04	Remote Control Contact
S05	Obstruction For Manual On/off
S06	Service Contact
S10-1	Fan Pressure Switch 1
S10-2	Fan Pressure Switch 2
S11-1	Low Pressure Security Control 1
S11-2	High Pressure Security Control 2
K01	Compressor Motor Relay
A20	Electronic Timer Supply
A10	Remote Control Running Lamp (Green)
A11	Remote Control Stand-by Lamp (Red)
A41	Remote Control Alarm Contact
PT1	Inlet Air Temperature Sensor (Pt100)
PT2	Heat Exchanger Temperature Sensor (Pt100)
PT3	Low Pressure Line Sensor (Pt100)
PT4	High Pressure Line Sensor (Pt100)
PT5	Ambient Temperature Sensor (Pt100)
PT6	Condenser Exit Temperature Sensor (Pt100)
B16	Computer Control

4.44 WIRING DIAGRAM—RD (700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000) 460-3-60-W, 400-3-50-W



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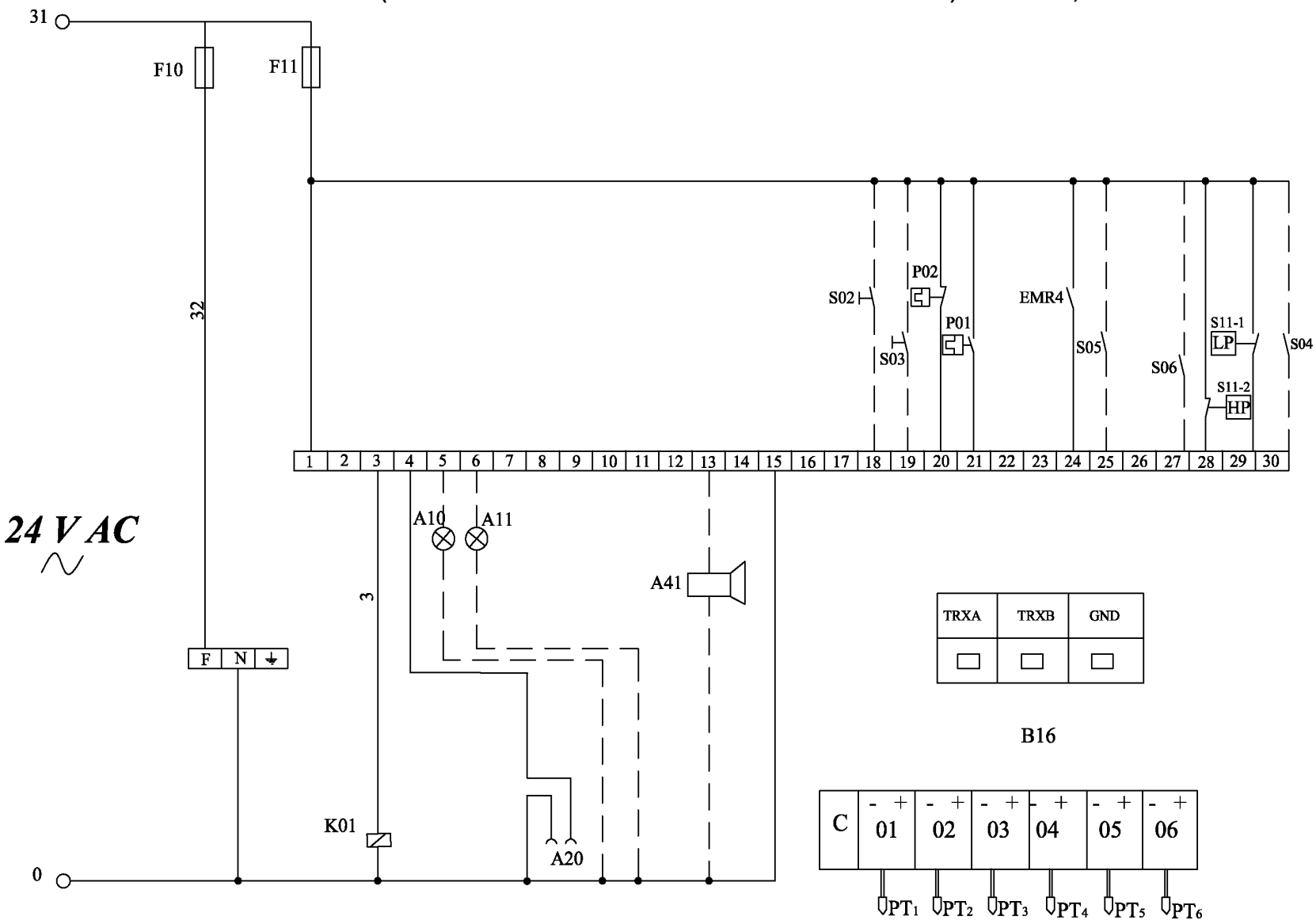
SULLAIR

4.44 WIRING DIAGRAM—RD (700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000) 460-3-60-W, 400-3-50-W

COMP	DESCRIPTION
A01	Control circuit transformer
A30	Compressor chankaser heater
B01	Main terminal block
B15	Control circuit supply
EMR4	Phase protection relay
F1, F2, F3	A01 Primary protection
F13	Control circuit protection
K01	Compressor contactor (24V)
M01	Compressor
P01	Thermal protection off-on compressor
S01	Main switch

4.45 WIRING DIAGRAM—RD (700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000) 460-3-60-W, 400-3-50-W

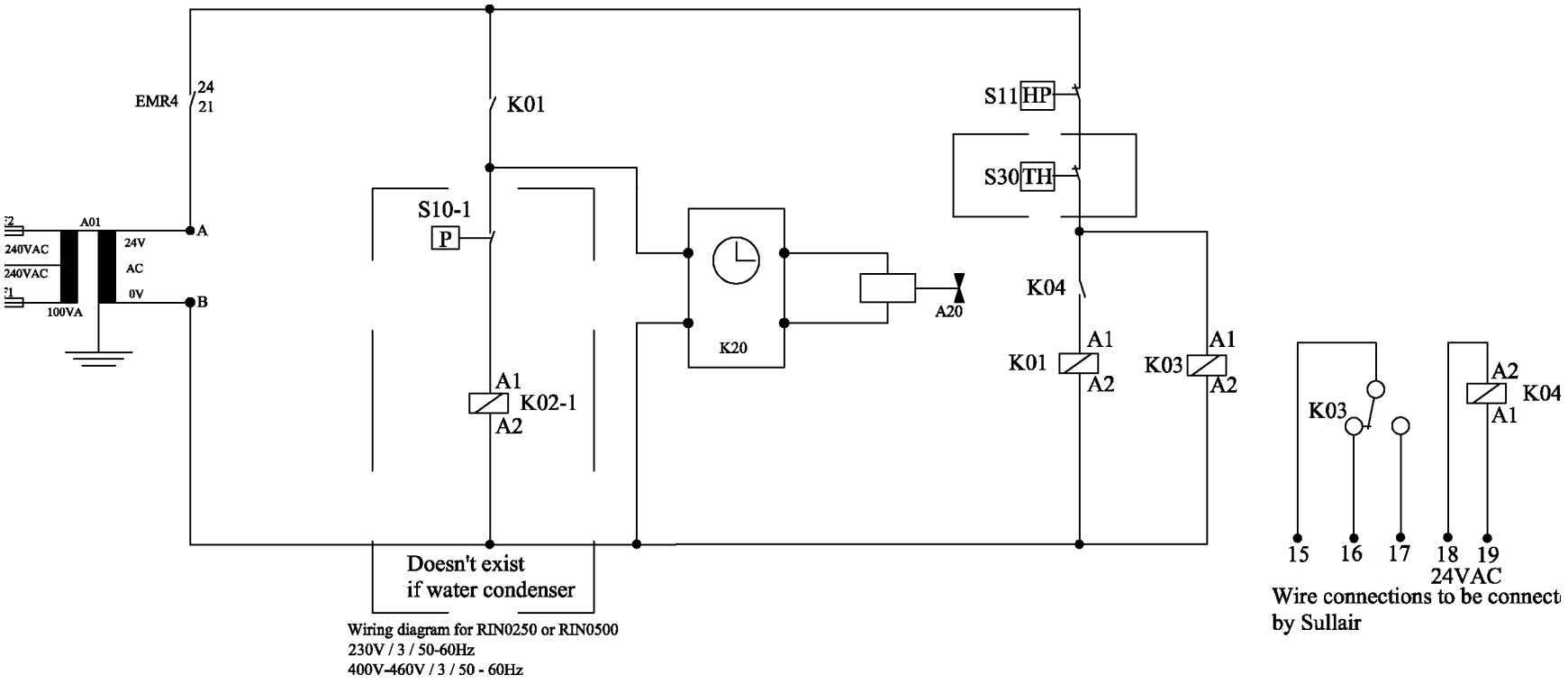


02250195-976-2

4.45 WIRING DIAGRAM—RD (700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000) 460-3-60-W, 400-3-50-W

COMP	DESCRIPTION
F1,F2	A01 Primary protection
F10, F11	Control circuit protection
A01	Control circuit transformer
S02	Remote control start button
S03	Remote control stop button
P01	Thermal protection off-on compressor
P02	Compressor heat thermal
EMR4	Phase protection relay
S04	Remote control contact
S05	Obstruction for manual on/off
S06	Service contact
S10-1	Fan pressure switch 1
S10-2	Fan pressure switch 2
S11-1	Low pressure security control 1
S11-2	High pressure security control 2
K01	Compressor motor relay
A20	Electronic timer supply
A10	Remote control running lamp (Green)
A11	Remote control stand-by lamp (red)
A41	Remote control alarm contact

4.46 CONTROL CIRCUIT—RD400-500-700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000



Wiring diagram for RIN0250 or RIN0500
230V / 3 / 50-60Hz
400V-460V / 3 / 50 - 60Hz

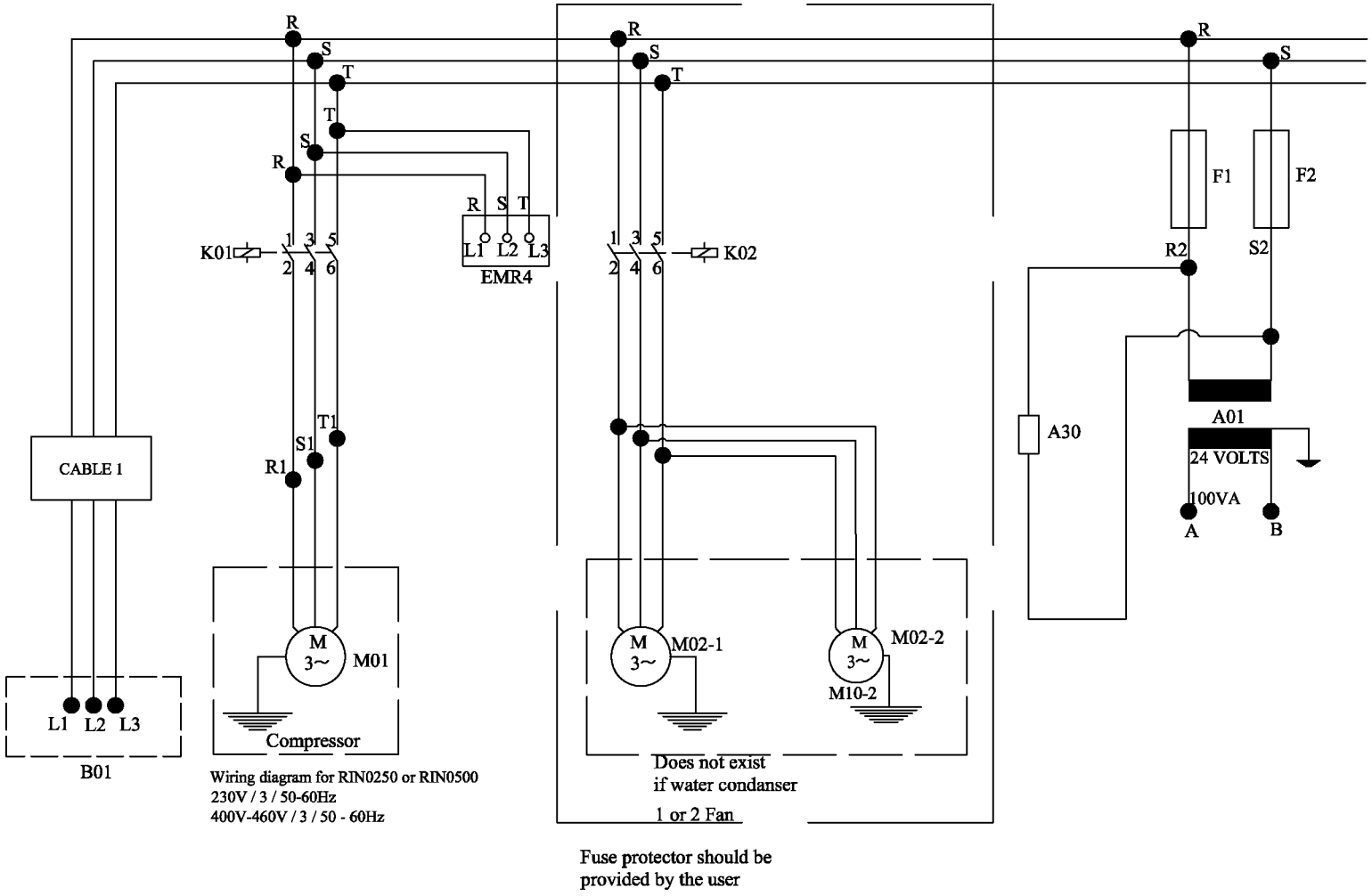
02250195-307

4.46 CONTROL CIRCUIT—RD400-500-700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000

COMP	DESCRIPTION
F1,F2	Primary protection
F10,F11	Control circuit protection
A01	Control circuit transformer
S02	Remote control start button
S03	Remote control stop button
P01	Thermal protection off-on compressor
P02	Compressor heat thermal
P10-1	Thermal protection off-on fan 1
P10-2	Thermal protection off-on fan 2
P11-1	Fan heat thermal 1
P11-2	Fan heat thermal 2
EMR4	Phase protection relay
S04	Remote control contact
S05	Obstruction for manuall on/off
S06	Service contact
S10-1	Fan pressure switch 1
S10-2	Fan pressure switch 2
S11-1	Low pressure security control 1
S11-2	High pressure security control 2
K01	Compressor motor relay
K10-1	Fan motoro relay 1
K10-2	Fan motor relay 2
A10	Remote control running lamp (green)
A11	Remote control stand-by lamp (red)

COMP	DESCRIPTION
A20	Drain valve
A41	Remote control alarm contact

4.47 POWER CIRCUIT—RD400-500-700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000



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4.47 CONTROL CIRCUIT—RD400-500-700-850-1000-1200-1600-2000-2400-3000-3800-5000-6000

COMP	DESCRIPTION
A01	Control circuit transformer
A30-1/A30-2	Compressor chankaser heaters
B01	Main terminal block
EMR4	Phase protection relay
F1,F2	A01 primary protection
K01	Compressor contactor (24V)
K10-1	Fan contactor (24V)
K10-2	Fan contactor (24V)
K20	Water motor
M01-1/M01-2	Compressors (400V-440V)
M10-1	Fan motor (400V-440V)
M10-2	Fan motor (400V-440V)
P01	Thermal protection of
P10-1	Over load protector
P10-2	Over load protector
P20	Water motor protection
S01	Main switch

Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power	Port Size	Width		Height		Depth		Weight	
					scfm	(psid)	(kW)	(in)	in	mm	in	mm	in	mm	lbs	kg
400.0	RD-0400-230-3-60-A	02250193-849			400.0	2.7	2.13	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
400.0	RD-0400-460-3-60-A	02250193-981			400.0	2.7	2.19	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
400.0	RD-0400-575-3-60-A	02250194-136			400.0	2.7	2.1	2" NPT	23.5	595	49.6	1260	28.3	718	341	155
500.0	RD-0500-230-3-60-A	02250193-850			500.0	3.9	2.7	2" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
500.0	RD-0500-460-3-60-A	02250193-982			500.0	3.9	2.88	2" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
500.0	RD-0500-575-3-60-A	02250194-137			500.0	3.9	2.6	2" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
700.0	RD-0700-230-3-60-A	02250193-851	RD-0700-230-3-60-W	02250193-861	700.0	3.1	3.92	3" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
700.0	RD-0700-460-3-60-A	02250193-983	RD-0700-460-3-60-W	02250194-107	700.0	3.1	3.88	3" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
700.0	RD-0700-575-3-60-A	02250194-138	RD-0700-575-3-60-W	02250194-161	700.0	3.1	3.7	3" NPT	31.9	810	58.9	1495	45.9	1166	1056	480
850.0	RD-0850-230-3-60-A	02250193-852	RD-0850-230-3-60-W	02250193-862	850.0	2.4	4.38	3" NPT	31.9	810	58.9	1495	45.9	1166	1100	500
850.0	RD-0850-460-3-60-A	02250193-984	RD-0850-460-3-60-W	02250194-108	850.0	2.4	4.48	3" NPT	31.9	810	58.9	1495	45.9	1166	1100	500
850.0	RD-0850-575-3-60-A	02250194-139	RD-0850-575-3-60-W	02250194-162	850.0	2.4	4.4	3" NPT	31.9	810	58.9	1495	45.9	1166	1100	500
1000.0	RD-1000-460-3-60-A	02250193-985	RD-1000-460-3-60-W	02250194-109	1000.0	2.8	5.28	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
1000.0	RD-1000-575-3-60-A	02250194-140	RD-1000-575-3-60-W	02250194-163	1000.0	2.8	5.12	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
1250.0	RD-1200-460-3-60-A	02250193-986	RD-1200-460-3-60-W	02250194-110	1250.0	2.95	5.28	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
1250.0	RD-1200-575-3-60-A	02250194-141	RD-1200-575-3-60-W	02250194-164	1250.0	2.95	5.12	3" NPT	31.9	810	73.8	1875	45.9	1166	1122	510
1600.0	RD-1600-460-3-60-A	02250193-988	RD-1600-460-3-60-W	02250194-113	1600.0	3.1	7.3	4" FLG	45.9	1166	79.9	2030	61.0	1550	1672	760
1600.0	RD-1600-575-3-60-A	02250194-142	RD-1600-575-3-60-W	02250194-165	1600.0	3.1	7.2	4" FLG	45.9	1166	79.9	2030	61.0	1550	1672	760
2000.0	RD-2000-460-3-60-A	02250193-989	RD-2000-460-3-60-W	02250194-114	2000.0	3.4	9	4" FLG	45.9	1166	79.9	2030	61.0	1550	1705	775
2000.0	RD-2000-575-3-60-A	02250194-143	RD-2000-575-3-60-W	02250194-166	2000.0	3.4	8.8	4" FLG	45.9	1166	79.9	2030	61.0	1550	1705	775
2500.0	RD-2400-460-3-60-A	02250193-990	RD-2400-460-3-60-W	02250194-115	2500.0	3.2	9.8	4" FLG	45.9	1166	79.9	2030	82.7	2100	1925	875
2500.0	RD-2400-575-3-60-A	02250194-144	RD-2400-575-3-60-W	02250194-167	2500.0	3.2	9.6	4" FLG	45.9	1166	79.9	2030	82.7	2100	1925	875
3000.0	RD-3000-460-3-60-A	02250193-991	RD-3000-460-3-60-W	02250194-116	3000.0	2.6	11.2	4" FLG	45.9	1166	79.9	2030	82.7	2100	2156	980
3000.0	RD-3000-575-3-60-A	02250194-145	RD-3000-575-3-60-W	02250194-168	3000.0	2.6	11	4" FLG	45.9	1166	79.9	2030	82.7	2100	2156	980
3800.0	RD-3800-460-3-60-A	02250193-992	RD-3800-460-3-60-W	02250194-117	3800.0	2.8	13.9	6" FLG	45.9	1166	79.9	2030	110.3	2800	2409	1095
3800.0	RD-3800-575-3-60-A	02250194-146	RD-3800-575-3-60-W	02250194-169	3800.0	2.8	13.7	6" FLG	45.9	1166	79.9	2030	110.3	2800	2409	1095
5000.0	RD-5000-460-3-60-A	02250193-993	RD-5000-460-3-60-W	02250194-118	5000.0	3.5	18.2	6" FLG	45.9	1166	79.9	2030	110.3	2800	2420	1100
5000.0	RD-5000-575-3-60-A	02250194-147	RD-5000-575-3-60-W	02250194-170	5000.0	3.5	18	6" FLG	45.9	1166	79.9	2030	110.3	2800	2420	1100
6000.0	RD-6000-460-3-60-A	02250193-994	RD-6000-460-3-60-W	02250194-119	6000.0	3.5	22.27	8" FLG	45.9	1166	79.9	2030	118.1	3000	2750	1250
6000.0	RD-6000-575-3-60-A	02250194-148	RD-6000-575-3-60-W	02250194-171	6000.0	3.5	22.27	8" FLG	45.9	1166	79.9	2030	118.1	3000	2750	1250

GROUP	STANDARD VOLTAGE	Capacity SCFM @ Rated Conditions	AIR COOLED MODEL REF	SULLAIR PART	WATER COOLED MODEL REF	SULLAIR PART	Rated Flow [1]	Pressure Drop	Absorbed Power
							scfm	(psid)	(kW)
Non-Cycling	400/3/50	400.0	RD-0400-400-3-50-A	02250193-917			400.0	3.4	1.92
Non-Cycling	400/3/50	500.0	RD-0500-400-3-50-A	02250193-918			500.0	3.9	2.35
Non-Cycling	400/3/50	700.0	RD-0700-400-3-50-A	02250193-919	RD-0700-400-3-50-W	02250193-947	700.0	2.5	3.45
Non-Cycling	400/3/50	850.0	RD-0850-400-3-50-A	02250193-920	RD-0850-400-3-50-W	02250193-948	850.0	2.8	3.64
Non-Cycling	400/3/50	1000.0	RD-1000-400-3-50-A	02250193-921	RD-1000-400-3-50-W	02250193-949	1000.0	3.1	3.64
Non-Cycling	400/3/50	1200.0	RD-1200-400-3-50-A	02250193-922	RD-1200-400-3-50-W	02250193-950	1200.0	3.5	4.5
Non-Cycling	400/3/50	1600.0	RD-1600-400-3-50-A	02250193-923	RD-1600-400-3-50-W	02250193-951	1600.0	3.1	5.54
Non-Cycling	400/3/50	2000.0	RD-2000-400-3-50-A	02250193-924	RD-2000-400-3-50-W	02250193-953	2000.0	2.5	7.72
Non-Cycling	400/3/50	2400.0	RD-2400-400-3-50-A	02250193-925	RD-2400-400-3-50-W	02250193-954	2400.0	2.5	9.22
Non-Cycling	400/3/50	3000.0	RD-3000-400-3-50-A	02250193-926	RD-3000-400-3-50-W	02250193-955	3000.0	2.8	12.25
Non-Cycling	400/3/50	3800.0	RD-3800-400-3-50-A	02250193-927	RD-3800-400-3-50-W	02250193-956	3800.0	2.8	14.62
Non-Cycling	400/3/50	5000.0	RD-5000-400-3-50-A	02250193-928	RD-5000-400-3-50-W	02250193-958	5000.0	3.5	18.78
Non-Cycling	400/3/50	6000.0	RD-6000-400-3-50-A	02250193-929	RD-6000-400-3-50-W	02250193-959	6000.0	3.5	22.27

4.48 SPARE PARTS

Component Name	RD-0400-230-3-60-A	RD-0400-460-3-60-A	RD-0400-400-3-50-A	RD-0400-575-3-60-A	RD-0500-230-3-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-400-230-3-60-A	M-CMP-400-460-3-60-A	M-CMP-400-400-3-50-A	BELLİ DEĞİL	M-CMP-500-230-3-60-A
compressor electric box	N/A	N/A	N/A	N/A	N/A
Condenser	M-CON-0400	M-CON-0400	M-CON-0400	M-CON-0400	M-CON-0500
Fan motor	M-FMT-0700-460-3-60	M-FMT-0700-460-3-60	M-FMT-0700-460-3-60	BELLİ DEĞİL	M-FMT-0700-460-3-60
Fan Blade	N/A	N/A	N/A	N/A	N/A
fan grill	N/A	N/A	N/A	N/A	N/A
Drier-Dehydrator	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000
Heat Exchanger	2 x M-EXC-200	2 x M-EXC-200	2 x M-EXC-200	2 x M-EXC-200	3 X M-EXC-200
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (outlet)	N/A	N/A	N/A	N/A	N/A
Expansion valve	M-EXV-1000	M-EXV-1000	M-EXV-1000	M-EXV-1000	M-EXV-1000
By-pass valve	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000
separator	N/A	N/A	N/A	N/A	M-SPR-1000
Liquid Receiver	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850
High Pressure Security switch	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000
Fan on/off switch	M-FNS-0400	M-FNS-0400	M-FNS-0400	M-FNS-0400	2 X M-FNS-0400
Low pressure switch	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	M-MKP-1000	M-MKP-1000	M-MKP-1000	M-MKP-1000	M-MKP-1000
Fan Overload Protector	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000
Compressor Overload Protector	M-COP-400-230-3-60-A	M-COP-400-460-3-60-A	M-COP-400-400-3-50-A	BELLİ DEĞİL	M-COP-500-230-3-60-A
Thermostatic Gauge	N/A	N/A	N/A	N/A	N/A

Component Name	RD-0400-230-3-60-A	RD-0400-460-3-60-A	RD-0400-400-3-50-A	RD-0400-575-3-60-A	RD-0500-230-3-60-A
On/off Button	N/A	N/A	N/A	N/A	N/A
Main Switch	M-MNS-0700	M-MNS-0700	M-MNS-0700	M-MNS-0700	M-MNS-0700
Contactor	M-CNT-0400	M-CNT-0400	M-CNT-0400	M-CNT-0400	M-CNT-0850
Phase protection relay	M-PPR-1000	M-PPR-1000	M-PPR-1000	M-PPR-1000	M-PPR-1000
Fan Contactor	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000
Transformer	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	N/A	N/A	N/A	N/A	N/A
Solenoid Valve	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24
Membrane valve	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000
Membrane	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000
Water Separator	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0400	M-CFR-0400	M-CFR-0400	M-CFR-0400	M-CFR-0500
Cabinet Side - Left	M-CLE-0400	M-CLE-0400	M-CLE-0400	M-CLE-0400	M-CLE-0500
Cabinet Side - Right	M-CRI-0400	M-CRI-0400	M-CRI-0400	M-CRI-0400	M-CRI-0500
Cabinet Rear	M-CRE-0400	M-CRE-0400	M-CRE-0400	M-CRE-0400	M-CRE-0500
Cabinet Top	M-CTO-0400	M-CTO-0400	M-CTO-0400	M-CTO-0400	M-CTO-0500
Cabinet Base	M-CBA-0400	M-CBA-0400	M-CBA-0400	M-CBA-0400	M-CBA-0500
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	N/A	N/A	N/A	N/A	N/A
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0400	M-HP1-0400	M-HP1-0400	M-HP1-0400	M-HP1-0500
Cabinette Horizontal profile 2	M-HP2-0400	M-HP2-0400	M-HP2-0400	M-HP2-0400	M-HP2-0500

Component Name	RD-0500-400-3-50-A	RD-0500-460-3-60-A	RD-0500-575-3-60-A	RD-0700-230-3-60-A	RD-0700-400-3-50-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-500-400-3-50-A	M-CMP-500-460-3-60-A	M-CMP-500-575-3-60-A	M-CMP-700-230-3-60-A	M-CMP-700-460-3-60-A
compressor electric box	N/A	N/A	N/A	N/A	N/A
Condenser	M-CON-0500	M-CON-0500	M-CON-0500	M-CON-0700	M-CON-0700
Fan motor	M-FMT-0700-460-3-60	M-FMT-0700-460-3-60	M-FMT-0700-575-3-60	M-FMT-0700-230-3-60	M-FMT-0700-460-3-50
Fan Blade	N/A	N/A	N/A	N/A	N/A
fan grill	N/A	N/A	N/A	N/A	N/A
Drier-Dehydrator	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000
Heat Exchanger	3 X M-EXC-200	3 X M-EXC-200	3 X ADWIS400	3 X M-EXC-200	3 X M-EXC-200
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (outlet)	N/A	N/A	N/A	N/A	N/A
Expansion valve	M-EXV-1000	M-EXV-1000	M-EXV-1000	M-EXV-0700	M-EXV-0700
By-pass valve	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000
separator	M-SPR-1000	M-SPR-1000	M-SPR-1000	M-SPR-1000	M-SPR-1000
Liquid Receiver	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850
High Pressure Security switch	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000
Fan on/off switch	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400
Low pressure switch	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	M-MKP-1000	M-MKP-1000	M-MKP-1000	M-MKP-1000	M-MKP-1000
Fan Overload Protector	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000
Compressor Overload Protector	M-COP-500-400-3-50-A	M-COP-500-460-3-60-A	M-COP-500-575-3-60-A	M-COP-700-230-3-60-A	M-COP-700-460-3-60-A
Thermostatic Gauge	N/A	N/A	N/A	N/A	N/A
On/off Button	N/A	N/A	N/A	N/A	N/A

Component Name	RD-0500-400-3-50-A	RD-0500-460-3-60-A	RD-0500-575-3-60-A	RD-0700-230-3-60-A	RD-0700-400-3-50-A
Main Switch	M-MNS-0700	M-MNS-0700	M-MNS-0700	M-MNS-0700	M-MNS-0700
Contactor	M-CNT-0850	M-CNT-0850	M-CNT-0850	M-CNT-0850	M-CNT-0850
Phase protection relay	M-PPR-1000	M-PPR-1000	M-PPR-1000	M-PPR-1000	M-PPR-1000
Fan Contactor	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000
Transformer	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	N/A	N/A	N/A	N/A	N/A
Solenoid Valve	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24
Membrane valve	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000
Membrane	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000
Water Separator	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0500	M-CFR-0500	M-CFR-0500	M-CFR-0700	M-CFR-0700
Cabinet Side - Left	M-CLE-0500	M-CLE-0500	M-CLE-0500	M-CLE-0700	M-CLE-0700
Cabinet Side - Right	M-CRI-0500	M-CRI-0500	M-CRI-0500	M-CRI-0700	M-CRI-0700
Cabinet Rear	M-CRE-0500	M-CRE-0500	M-CRE-0500	M-CRE-0700	M-CRE-0700
Cabinet Top	M-CTO-0500	M-CTO-0500	M-CTO-0500	M-CTO-0700	M-CTO-0700
Cabinet Base	M-CBA-0500	M-CBA-0500	M-CBA-0500	M-CBA-0700	M-CBA-0700
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	N/A	N/A	N/A	N/A	N/A
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0500	M-HP1-0500	M-HP1-0500	M-HP1-0700	M-HP1-0700
Cabinette Horizontal profile 2	M-HP2-0500	M-HP2-0500	M-HP2-0500	M-HP2-0700	M-HP2-0700

Component Name	RD-0700-460-3-60-A	RD-0700-575-3-60-A	RD-0850-230-3-60-A	RD-0850-400-3-50-A	RD-0850-460-3-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a	R134a
compressor	M-CMP-700-460-3-60-A	M-CMP-700-575-3-60-A	M-CMP-1000-230-3-60-A	M-CMP-1000-460-3-50-A	M-CMP-1000-460-3-60-A
compressor electric box	N/A	N/A	N/A	N/A	N/A
Condenser	M-CON-0700	M-CON-0700	M-CON-0850	M-CON-0850	M-CON-0850
Fan motor	M-FMT-0700-460-3-60	M-FMT-1200-575-3-60	M-FMT-1200-460-3-60	M-FMT-1200-400-3-50	M-FMT-1200-460-3-60
Fan Blade	N/A	N/A	N/A	N/A	N/A
fan grill	N/A	N/A	N/A	N/A	N/A
Drier-Dehydrator	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000
Heat Exchanger	3 X M-EXC-200	3 X M-EXC-200	4 X M-EXC-200	4 X M-EXC-200	4 X M-EXC-200
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	N/A	N/A	N/A	N/A	N/A
Flexible steel tube (outlet)	N/A	N/A	N/A	N/A	N/A
Expansion valve	M-EXV-0700	M-EXV-0700	M-EXV-0850	M-EXV-0850	M-EXV-0850
By-pass valve	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000
separator	M-SPR-1000	M-SPR-1000	M-SPR-1000	M-SPR-1000	M-SPR-1000
Liquid Receiver	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850	M-RCV-0850
High Pressure Security switch	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000
Fan on/off switch	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400
Low pressure switch	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000
Thermostatic switch	N/A	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A	N/A
Microprosessor	M-MKP-1000	M-MKP-1000	M-MKP-1000	M-MKP-1000	M-MKP-1000
Fan Overload Protector	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000
Compressor Overload Protector	M-COP-700-460-3-60-A	M-COP-700-575-3-60-A	M-COP-1000-230-3-60-A	M-COP-1000-400-3-50-A	M-COP-1000-460-3-60-A
Thermostatic Gauge	N/A	N/A	N/A	N/A	N/A
On/off Button	N/A	N/A	N/A	N/A	N/A

Component Name	RD-0700-460-3-60-A	RD-0700-575-3-60-A	RD-0850-230-3-60-A	RD-0850-400-3-50-A	RD-0850-460-3-60-A
Main Switch	M-MNS-0700	M-MNS-0700	M-MNS-2000	M-MNS-2000	M-MNS-2000
Contactor	M-CNT-0850	M-CNT-0850	M-CNT-0850	M-CNT-0850	M-CNT-0850
Phase protection relay	M-PPR-1000	M-PPR-1000	M-PPR-1000	M-PPR-1000	M-PPR-1000
Fan Contactor	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000
Transformer	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000
Secondary contact	N/A	N/A	N/A	N/A	N/A
Timer	N/A	N/A	N/A	N/A	N/A
Solenoid Valve	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24
Membrane valve	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000
Membrane	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000
Water Separator	N/A	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0700	M-CFR-0700	M-CFR-0850	M-CFR-0850	M-CFR-0850
Cabinet Side - Left	M-CLE-0700	M-CLE-0700	M-CLE-0850	M-CLE-0850	M-CLE-0850
Cabinet Side - Right	M-CRI-0700	M-CRI-0700	M-CRI-0850	M-CRI-0850	M-CRI-0850
Cabinet Rear	M-CRE-0700	M-CRE-0700	M-CRE-0850	M-CRE-0850	M-CRE-0850
Cabinet Top	M-CTO-0700	M-CTO-0700	M-CTO-0850	M-CTO-0850	M-CTO-0850
Cabinet Base	M-CBA-0700	M-CBA-0700	M-CBA-0850	M-CBA-0850	M-CBA-0850
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	N/A	N/A	N/A	N/A	N/A
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0700	M-HP1-0700	M-HP1-0850	M-HP1-0850	M-HP1-0850
Cabinette Horizontal profile 2	M-HP2-0700	M-HP2-0700	M-HP2-0850	M-HP2-0850	M-HP2-0850

Component Name	RD-0850-575-3-60-A	RD-1000-400-3-50-A	RD-1000-460-3-60-A	RD-1000-575-3-60-A
Refrigerant Gas	R134a	R134a	R134a	R134a
compressor	M-CMP-1000-575-3-60-A	M-CMP-1000-460-3-60-A	M-CMP-1000-460-3-60-A	M-CMP-1000-575-3-60-A
compressor electric box	N/A	N/A	N/A	N/A
Condenser	M-CON-0850	M-CON-1000	M-CON-1000	M-CON-1000
Fan motor	M-FMT-1200-575-3-60	M-FMT-1200-400-3-50	M-FMT-1200-460-3-60	M-FMT-1200-575-3-60
Fan Blade	N/A	N/A	N/A	N/A
fan grill	N/A	N/A	N/A	N/A
Drier-Dehydrator	M-DRI-1000	M-DRI-1000	M-DRI-1000	M-DRI-1000
Heat Exchanger	4 X M-EXC-200	M-EXC-1000	M-EXC-1000	M-EXC-1000
Evaporator (water Heat Exchanger)	N/A	N/A	N/A	N/A
Flexible steel tube (inlet)	N/A	N/A	N/A	N/A
Flexible steel tube (outlet)	N/A	N/A	N/A	N/A
Expansion valve	M-EXV-0850	M-EXV-1000	M-EXV-1000	M-EXV-1000
By-pass valve	M-BYV-1000	M-BYV-1000	M-BYV-1000	M-BYV-1000
separator	M-SPR-1000	M-SPR-1000	M-SPR-1000	M-SPR-1000
Liquid Receiver	M-RCV-0850	M-RCV-1000	M-RCV-1000	M-RCV-1000
High Pressure Security switch	M-HPS-1000	M-HPS-1000	M-HPS-1000	M-HPS-1000
Fan on/off switch	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400	2 X M-FNS-0400
Low pressure switch	M-LPS-1000	M-LPS-1000	M-LPS-1000	M-LPS-1000
Thermostatic switch	N/A	N/A	N/A	N/A
Water pressure Switch	N/A	N/A	N/A	N/A
Water pressure switch timer	N/A	N/A	N/A	N/A
Water pump contactor	N/A	N/A	N/A	N/A
Water pump	N/A	N/A	N/A	N/A
Water Tank	N/A	N/A	N/A	N/A
Water Gauge	N/A	N/A	N/A	N/A
Microprosessor	M-MKP-1000	M-MKP-1000	M-MKP-1000	M-MKP-1000
Fan Overload Protector	M-FOP-3000	M-FOP-3000	M-FOP-3000	M-FOP-3000
Compressor Overload Protector	M-COP-1000-575-3-60-A	M-COP-1000-460-3-60-A	M-COP-1000-460-3-60-A	M-COP-1000-460-3-60-A
Thermostatic Gauge	N/A	N/A	N/A	N/A
On/off Button	N/A	N/A	N/A	N/A

Component Name	RD-0850-575-3-60-A	RD-1000-400-3-50-A	RD-1000-460-3-60-A	RD-1000-575-3-60-A
Main Switch	M-MNS-2000	M-MNS-2000	M-MNS-2000	M-MNS-2000
Contactor	M-CNT-0850	M-CNT-1000	M-CNT-1000	M-CNT-1000
Phase protection relay	M-PPR-1000	M-PPR-1000	M-PPR-1000	M-PPR-1000
Fan Contactor	M-FCN-1000	M-FCN-1000	M-FCN-1000	M-FCN-1000
Transformer	M-TRF-1000	M-TRF-1000	M-TRF-1000	M-TRF-1000
Secondary contact	N/A	N/A	N/A	N/A
Timer	N/A	N/A	N/A	N/A
Solenoid Valve	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24	M-SLV-3000-24
Membrane valve	M-MMV-1000	M-MMV-1000	M-MMV-1000	M-MMV-1000
Membrane	M-MMM-1000	M-MMM-1000	M-MMM-1000	M-MMM-1000
Water Separator	N/A	N/A	N/A	N/A
Cabinet Front	M-CFR-0850	M-CFR-1000	M-CFR-1000	M-CFR-1000
Cabinet Side - Left	M-CLE-0850	M-CLE-1000	M-CLE-1000	M-CLE-1000
Cabinet Side - Right	M-CRI-0850	M-CRI-1000	M-CRI-1000	M-CRI-1000
Cabinet Rear	M-CRE-0850	M-CRE-1000	M-CRE-1000	M-CRE-1000
Cabinet Top	M-CTO-0850	M-CTO-1000	M-CTO-1000	M-CTO-1000
Cabinet Base	M-CBA-0850	M-CBA-1000	M-CBA-1000	M-CBA-1000
Cabinette fastener	M-FAS-1000	M-FAS-1000	M-FAS-1000	M-FAS-1000
Cabinette Stud and Nut	M-STU-1000	M-STU-1000	M-STU-1000	M-STU-1000
Cabinet handle	M-CPS-1000	M-CPS-1000	M-CPS-1000	M-CPS-1000
Plastic Display cover	N/A	N/A	N/A	N/A
Cabinet Top Corners	M-CTC-1000	M-CTC-1000	M-CTC-1000	M-CTC-1000
Screws	M-SCR-1000	M-SCR-1000	M-SCR-1000	M-SCR-1000
Cage Nuts	M-NUT-1000	M-NUT-1000	M-NUT-1000	M-NUT-1000
Cabinet Legs	M-CBL-0150	M-CBL-0150	M-CBL-0150	M-CBL-0150
Cabinet Frame Top	M-FRT-0150	M-FRT-0150	M-FRT-0150	M-FRT-0150
Cabinette Horizontal profile 1	M-HP1-0850	M-HP1-1000	M-HP1-1000	M-HP1-1000
Cabinette Horizontal profile 2	M-HP2-0850	M-HP2-1000	M-HP2-1000	M-HP2-1000

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