

# COMPRESSED AIR DRYERS



## INSTRUCTION MANUAL

**ODRD SERIES** (ODRD 10 to ODRD 5000)



### 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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# Declaration of Conformity

## PED 2014/68/EU

(NB No : 0408)

<b>Manufacturer</b>	Mikropor Filters I.OSB Büyük Selçuklu Caddesi, No:4 06935 Ankara/Turkey Phone: 0312 267 0770 Fax: 0312 267 0552
<b>Product Description</b>  <b>Serial No of Set (device)</b>  <b>Type of Product</b>  <b>Module</b>	Air Dryer ODRD 10 (...), ODRD 15 (...), ODRD 25 (...), ODRD 35 (...), ODRD 60 (...), ODRD 75 (...), ODRD 100 (...), ODRD 125 (...), ODRD 140 (...), ODRD 175 (...), ODRD 200 (...), ODRD 250 (...), ODRD 350 (...), ODRD 425 (...), ODRD 550 (...), ODRD 700 (...), ODRD 900 (...), ODRD 1100 (...), ODRD 1350 (...), ODRD 1500 (...), ODRD 2000 (...), ODRD 2350 (...), ODRD 2750 (...), ODRD 3000 (...), ODRD 3600 (...), ODRD 4000 (...), ODRD 5000 (...),  0118MA00001 to 5218MA99999  CAT II Air Dryer  Module A2
<b>Assesment Modele</b>  <b>Confirmed By</b> <b>TÜV Austria Service GMBH</b> <b>Kind of inspection certification supplied standards</b> <b>Certificate No:</b> <b>Modules for compatibility assesment of pressure in-build elements;</b>  <b>Exchanger</b> <b>Receiver</b> <b>Separator</b> <b>Compressor</b>	Module A2 type compatibility  Notified Body No 0408 Adres; Deutschstreaße 10 1230 Wien/Österreich PED (2014/68/EU) Certification EN378-2  ZSTS / SWZE / 1790  CAT II MODUL A2 CAT I MODUL A2 CAT I MODUL A2 CAT I MODUL A2
<b>Product Responsibility</b>	Mikropor Filter is responsible for product in conditions it was delivered. Any modifications are forbidden. Product be operated according to its application. In case of breaking above conditions realized manufacturer from responsibility for the product CE mark of the product will be not valid.
<b>Signature</b>	
<b>Local Quality Manager, Pressure Vessel</b>	Ahmet Emin ÇAMLIBEL Date; 29.03.2017



# EC DECLARATION OF CONFORMITY



## MANUFACTURER

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*Name and Address of the*

*Person authorised to compile the technical file*

: Ahmet Emin ÇAMLIBEL

Organize Sanayi Bölgesi Büyük Selçuklu  
Bulvarı No. 4, 06935, Ankara -Türkiye

The undersigned declares that the described products meet the essential requirements of the below mentioned standards as based on Machinery Directive 2006/42/EC, Low Voltage Directive 2014/35/EU, Electromagnetic Compatibility Directive 2014/30/EU

The item of equipments which identified below has been subject to internal manufacturing checks with monitoring of the final assesment by Mikropor

### **MACHINE DESCRIPTION MODELS : Air Dryer**

ODRD 10 (...), ODRD 15 (...), ODRD 25 (...), ODRD 35 (...), ODRD 60 (...), ODRD 75 (...), ODRD 100 (...), ODRD 125 (...), ODRD 140 (...), ODRD 175 (...), ODRD 200 (...), ODRD 250 (...), ODRD 350 (...), ODRD 425 (...), ODRD 550 (...), ODRD 700 (...), ODRD 900 (...), ODRD 1100 (...), ODRD 1350 (...), ODRD 1500 (...), ODRD 2000 (...), ODRD 2350 (...), ODRD 2750 (...), ODRD 3000 (...), ODRD 3600 (...), ODRD 4000 (...), ODRD 5000 (...),

**Serial No of Set (device):** 0118MA00001 to 5218MA99999

### **APPLICABLE DIRECTIVES :**

2006/42/EC MACHINE SAFETY DIRECTIVE  
2014/35/EU LOW VOLTAGE DIRECTIVE  
2014/30/EU ELECTROMAGNETIC COMPATIBILITY DIRECTIVE

**Certificate No:** 16-PS-0279-TAT-16-MAD-1059

### **APPLICABLE REGULATIONS :**

EN ISO 12100:2010; EN 60204-1:2006/AC:2010; EN 61000-6-2:2005; EN 61000-6-4:2007+A1:2011  
EN 378-2

### **SIGNED ON BE HALF OF THE MANUFACTURER**

**NAME** : Mustafa Uslu  
**POSITION** : R&D Manager  
**PLACE/ DATE** : ANKARA / 03.04.2017

**SIGNATURE**

:

## I. IMPORTANT SAFETY NOTES



When operating the air dryer the operator must apply safe working methods and observe all local safety instructions and relevant regulations.

- A) Prior to installation, the dryer and the compressed air system are to be depressurized and disconnected from the electrical main supply.
- B) The user is responsible for safe operating conditions. Parts and accessories must be replaced if inspection shows that safe operation cannot be assured.
- C) Installation, operation, maintenance and repair are only to be authorized, trained and skilled engineers.
- D) The minimum and maximum values stated must be observed, as well as all of the safety precautions described in this manual.
- E) If any statement in this manual does not comply with the local legislation, the strongest standard is to be applied.

### 1.1. Transportation

- A) Use care and caution when transporting the dryer. Avoid dropping and other physical abuse.
- B) A forklift can be used to transport the dryers provided the forks are long enough to support its full width or length and caution is used throughout the move.

### 1.2. Positioning

- A) The dryer must be installed horizontally. A minimum of 19.6 in. clearance around the dryer is necessary to allow a good ventilation and easy access for servicing.
- B) The ambient temperature in the room should not exceed 113°F and should not be below 39.2°F, taking the heat radiated by the dryer into account.
- C) (40 watt for each liter/sec under ISO 7183-A condition or 18 watts for each SCFM under ISO 7183-B condition).
- D) There should be no chemicals in the atmosphere that will damage the copper source. (Ammonia gas etc.)

### 1.3. 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 insulation in the dryers never to be dismantled or modified. Each pressure vessel or accessory installed outside the dryer with air above atmospheric pressure must be fitted with the required pressure relief safety valves.

### 1.4. Before Operating

The following points must be observed before operating the air dryer:

- A) Review all safety precautions.
- B) The dryer connection piping measurements must be selected correctly. (See Technical specifications)
- C) The dryer connection piping must be adapted to the operating pressure. (See Technical specifications)
- D) Never operate the dryer at pressure above the maximum specified on the dryer label (check the technical specs too).
- E) The drains should be opened to atmosphere. If the drains are connected to a pipe / hose, the diameter of the hose / pipe should be large enough to create no back pressure during drain. It is not recommended to reduce the diameter of the hose / pipe less than port that is given at the drain outlet of the unit. The hose / pipe should be at atmospheric pressure at all time. Back pressure in relevant pipe will result in permanent damage on drain system and the affect function of the filters and / or dryers.

## 1.5. Qualified service personnel

- A) 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.
- B) Use only the appropriate tools for maintenance and repair.
- C) Before dismantling a part under pressure, disconnect the pressure sources and depressurize the system.
- D) Proceed carefully during maintenance and repair. Prevent dirt from entering by covering parts and orifices with a clean cloth, paper or tape. A receiver should never be welded or modified in any way.
- E) Never leave tools, loose parts or cleaning rags in or on the air dryer.
- F) Before returning the dryer into service, check the setting of the control and safety devices as well as the pressure and the temperature of the compressed air circuit.

## 1.6. Maintenance by the user

- A) Keep the dryer clean.
- B) Regularly check the correct operation of the condensate drain trap.
- C) Every six months, check and clean the drain strainer by undoing the access screw and rinsing the filter with tap water to remove the trapped dirt from the inside.
- D) For aircooled dryers, clean the air condenser as soon as it's dirty or clogged.
- E) For optional water-cooled condensers, use only clean water and install a water filter if needed. Use water counter flow to clean condenser if need.
- F) Check the trouble-shooting list in case of maintenance troubles.
- G) Check operating pressures, temperatures and time settings after maintenance. If operating and safety devices function properly, the air dryer may be used.

## 2. INTRODUCTION TO THE DRYER

### A) Manufacturer:

MiKROPOR / [www.mikropor.com](http://www.mikropor.com)

### B) Purpose of this dryer

- 1) This refrigerated compressed air dryer has been designed to remove water vapor from industrial compressed air.
- 2) This dryer has been designed for indoor operation.
- 3) The minimum and maximum values stated must be observed, as well as the safety precautions described in this manual.


## C) Dryer label

The following label is affixed on the cabinet of the refrigerant compressed air dryer.

Max. Refrigerant Pressure		Voltage	
Max. Air Pressure		P Rating	
Max. Air Inlet Temp.		Refrigerant R134a	
Min. Ambient Temp.		Weight	
Max. Ambient Temp.		Fan	
Min. Circuit Ampacity		Compressor	
Max. Protective Device Rating			

**MODEL NO:**

**SERIAL NO:**



## Dryer label descriptions

<b>Model No:</b>	Dryer model no
<b>Serial No:</b>	Dryer serial no
<b>Max Refrigerant Pressure:</b>	Dryer maximum working pressure
<b>Max. Air Pressure:</b>	Maximum air pressure
<b>Max. Air Inlet Temp:</b>	Maximum air inlet temperature
<b>Min. Ambient Temp. :</b>	Minimum ambient temperature
<b>Max. Ambient Temp. :</b>	Maximum ambient temperature
<b>Min. Circuit Ampacity :</b>	Maximum allowed amount of current
<b>Max Protective Device Rating :</b>	Maximum protective device rating
<b>Voltage :</b>	Main supply voltage
<b>IP Rating :</b>	Protection rating
<b>Refrigerant 134a :</b>	Amount of refrigerant gas used
<b>Weight :</b>	Dryer weight
<b>Fan :</b>	Model of fan used
<b>Compressor :</b>	Model of compressor used

## D) Working details

### 1) Refrigerant circuit:

The refrigerant circuit can be divided in **3** parts:

- A) Low pressure section with an evaporator (heat exchanger)
- B) High-pressure section including: Condenser, liquid receiver, (if installed) and the filter dryer.
- C) Control circuit including: Compressor, Expansion valve, by-pass valve (if installed), Fan pressure switch (if installed)

### 2) For water - cooled dryers:

- A) Water valve
- B) Safety high pressure switch (if installed)

### 3) The Refrigerant circuit operates as follows:

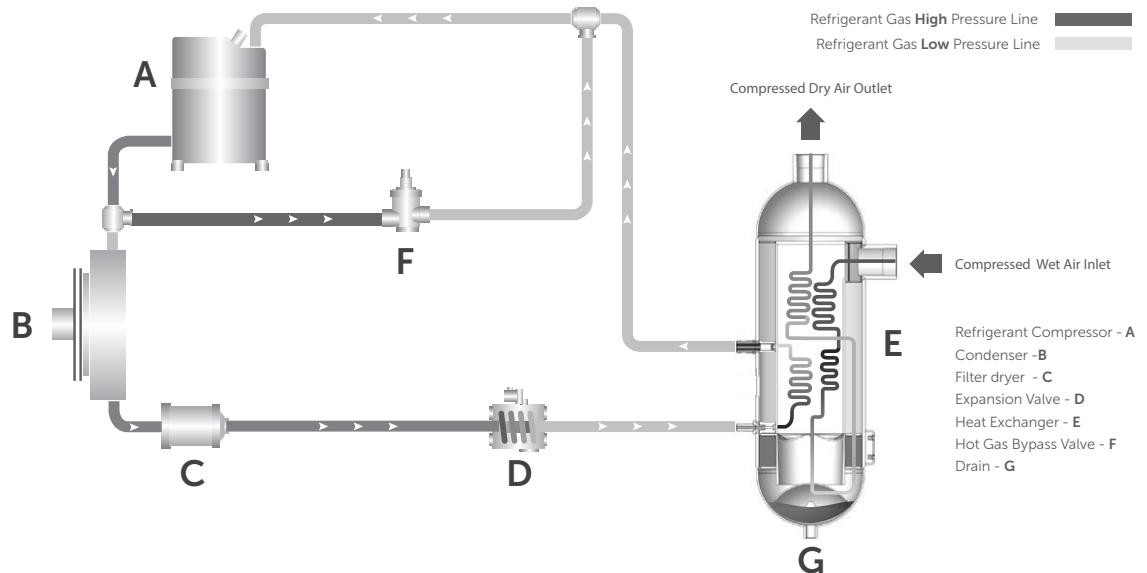
- A) The compressor compresses gaseous refrigerant to a high temperature.
- B) The hot refrigerant condenses in the condenser. Being liquefied it is stored in the liquid receiver (if installed).
- C) The liquid is taken out the storage vessel and injected in the evaporator (heat exchanger) by an expansion valve. This expansion valve is protected by a filter, which removes particles and humidity that could be in the circuit.
- D) The injected liquid fills in the refrigerant section of the air / refrigerant heat exchanger and evaporates by taking out the calories from the compressed air. The gaseous refrigerant is sucked in the compressor and the cycle carries on.
- E) In order to keep the evaporation pressure steady, and thus the refrigerant temperature in the heat exchanger, a by-pass valve is injecting hot gaseous refrigerant in the circuit. On certain dryers, an automatic expansion valve regulates this.

### 4) Compressed air circuit:

- A) The saturated hot compressed air flows into the Economiser where it is pre-cooled by the out flowing dry chilled air. In the cold zone of the air refrigerant section it continues to cool down to dew point and enters the separator where condensates are collected. The outgoing chilled air is then warmed up in the economizer by the hot incoming air.

- B)** The condensates are collected after centrifugal separation and drained out through the automatic trap.  
**C)** As long as the compressed air temperature does not drop below dew point, there will be no condensation in the air circuit.

## Compressed Air Dryer Working Principle



### 5) Refrigerant compressor

Increases the pressure and temperature of refrigerant. There are two type of compressors commonly used according to refrigerant capacity on this application:

- Piston type
- Scroll type

### 6) Condenser

Dissipates the heat provided by evaporator and compressor.

There are two type of condensers used on the application:

- Air Cooled Type (standard)

These condensers are designed to dissipate the heat to the ambient air.

The fans are used to force the air flow through the fins to enhance the heat transfer.

- Water Cooled Type (optional)

These condensers are designed to dissipate the heat to a water flow.

A shell and tube heat exchanger is used for this purpose.

### 7) Refrigerant circuit protection

**A)** Klixon: The single phase compressors are equipped with a klixon which is a thermal sensitive switch controlling the temperature of the compressor and possible overintensity.

In case of malfunction, the klixon trips but switches on again automatically as soon as the compressor has cooled down.

**B)** High Pressure Security Switch: Refrigerant line is considered as a pressure vessel. That is why it is protected against bursts by the help of manually reset switch. It is set to 362 psi for dryers working with R134a

**C)** Filter dryer: A refrigerant circuit is a closed circuit and total water removal in the refrigerant circuit is paramount in order to obtain a correct functioning.

**D)** To avoid problems, the refrigerant circuit must be vacuumed before loading the refrigerant.

It is equipped with a filter dryer, which also traps any solid particles, which may have migrated into the circuit during assembly.

**E)** Water-cooled dryers have a safety high-pressure switch.

In case of cooling water failure, the safety switch stops the dryer. When the safety switch has tripped out, it has to be manually resettled before switching on the dryer.

## 8) Refrigerant circuit controls

**A)** Liquid refrigerant injection: The liquid refrigerant is into the evaporator by a control valve. This valve is a thermostatic or pressostatic one maintaining a constant overheats of the refrigerant in the evaporator(s).

**B)** Constant evaporating pressure: In the dryers equipped with a by-pass valve, 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.

## 9) Condensate drain - trap assembly

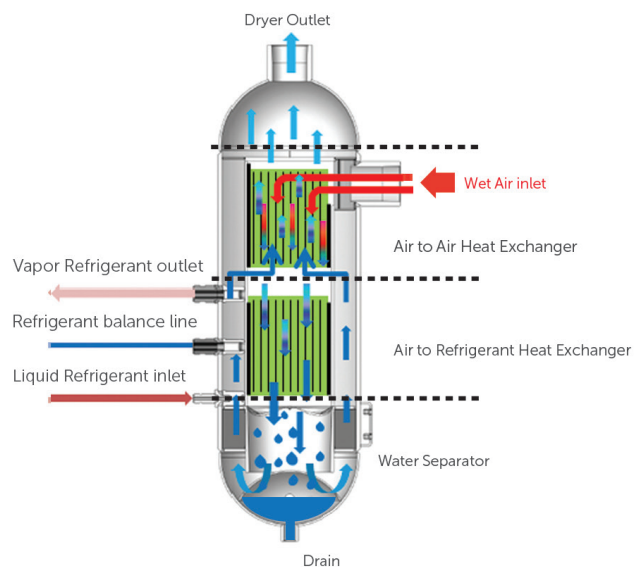
Dismantling the drain is easy because it can be isolated from the air circuit under pressure with a ball valve. The drain has to be depressurized before being dismantled.

## 10) Heat Exchanger Modular design

**A)**The dryers are equipped with a compact Mono Bloc Heat Exchanger module.

This assembly has been specially designed to dry compressed air and is made of:

- 1) An Economiser which pre-cools the entering hot air with the out flowing cold air.
- 2) An air/refrigerant exchanger cooling down the compressed air.
- 3) A centrifugal separator concentrating all condensates and requiring no maintenance.



## 11) Accessories

**Temperature switch:** Located inside the dryer, this temperature switch is adjustable from 32°F up to 95 °F.

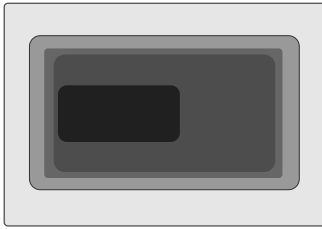
**Digital Controller –DigiPro:** This device helps dryer save energy when there is not any compressed air flow in the dryer. Those information can be reached; Dewpoint value, periodic maintenance interval display, status report, run time meter, temperature unit selection (°F or °C)

**Digital Controller – ESD3: Energy Saving Device: (ESD)** This device helps dryer save energy when there is not any compressed air flow in the dryer. Those information can be reached; Dewpoint value, periodic maintenance interval display, status report, run time meter, temperature unit selection (°F or °C)  
(Please see the models have standard and optional in next page)

### 3. OPERATION

## Control panels for ODRD Series

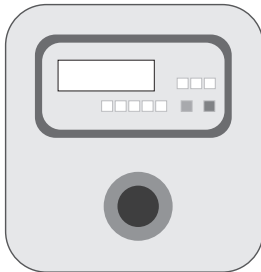
The control panel of the dryer includes the following elements:



Monophase	Digital Controller
ODRD 10 - ODRD 200	Digi-Pro



Triphase	Digital Controller	Accessories
ODRD 250 - ODRD 425	Digi-Pro	Main Switch



Triphase	Digital Controller	Accessories
ODRD 550 - ODRD 5000	ESD3	Emergency Stop



#### IMPORTANT NOTE

The Dryer has two Compressed Air Filter inside.

It is better to change filter element for the best efficiency when the alarm status is active.

It is recommended to keep replacement filter elements in your stock in order to replace them when needed.



#### ATTENTION

ODRD range dryers have low pressure drop according its competitors.

Do not use ODRD range dryers together with other dryers which have higher pressure drop without getting the confirmation from our technical team.

### 3.1. During Operation

Regularly check the digital temperature controller ESD3 or Digi-Pro on dryer.

### 3.2 Start up and shut-down

Warning: Avoid leaving the dryer off when compressed air is still flowing through it.

### 3.3 Starting for the first time or after a long stop

1) Set the rotary switch to "I" This preheats the dryer and turns the drain system on.  
It is recommended to leave the dryer power on permanently so the crankcase heater runs continuously.



#### **IMPORTANT NOTE!**

2) After a long stop of the dryer it is MANDATORY to allow a preheating period of minimum 4 hours before starting again, to avoid any compressed air flow during preheating.

3) Follow the daily starting and shut down procedure.

### 3.4 Daily starting and shut-down

1) Push on the ON button to start the dryer.

2) The start light or Dryer Active 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, set the rotary switch on " 0 " Set it again on " I " in order to keep the preheating on.



#### **IMPORTANT NOTE !**

4) Avoid leaving the dryer stopped when compressed air is still flowing through it.

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



## 4) ELECTRICAL CONTROLLER

### 4.1 DIGI-PRO

#### 4.1.1 Description

With the Digi-Pro series controllers, air dryers have outstanding technology for both functionality and dynamism, as well as appearance. The multi-functional display provides an accurate digital dew point display as well as coded alarm monitoring of the refrigerant dryer.

#### DIGITAL CONTROLLER ADVANTAGES;

- Digital dew point monitoring
- Energy-saving mode display
- Periodic maintenance interval display
- Status report
- Run time meter
- Fahrenheit and Centigrade selection

#### 4.1.2 Operation

Using the Digi Pro controller as shown in the picture below:



#### 4.1.3 Menu Buttons



**PROGRAM**

To modify the parameter, press and release button set. The menu is used by service team. To disable the Key Lock: Press and hold the SET for 4 sec.



**POWER**

This button is used for starting and stopping the dryer. Press and hold for 4 seconds to start or stop.



**MENU**

These buttons are used to navigate between screens and adjust values.



**MANUAL DRAIN**

This button is used for manual control of the drain output. Press and hold for 4 seconds to drain manually.

### 4.1.4 ALARM DISPLAY



Alarms / warnings are displayed on the digital screen. That means the dryer is not working under normal operating conditions, which are outside the range of set values.

Alarm Code	Alarm Description	Reason for Alarm
tAL	Low Temperature Alarm	Refrigerant line temperature is lower than specified set values
tAH	High Temperature Alarm	Refrigerant line temperature is higher than specified set values
FIL	Filter Change Alarm	Filter element needs to be replaced
HP	High Pressure Alarm	Refrigerant high line pressure is higher than specified set values
tSH	High Suction Line Temperature	Refrigerant suction line temperature is higher than specified set values
hSE	Service Time	General service time of the dryer
hFI	Working Hours Alarm	The dryer working hours allowed has been reached.



Please contact to the service when an alarm/warning occurs.

### 4.1.5 MODE DISPLAY



**DRYER ACTIVE MODE**

This mark indicates that the dryer is performed in active state and drying.



**AUTOMATIC DRAIN MODE**

Shows if the drain system is activated.



**ENERGY SAVING MODE**

Shows if the energy saving mode is activated



**CELSIUS UNIT MODE**

Indicates that Celsius temperature unit is selected.



**FAHRENHEIT UNIT MODE**

Indicates that Fahrenheit temperature unit is selected.



**COMPRESSOR STANDBY MODE**

This mode shows that the dryer is ready for drying operation.



**SERVICE MODE**

This mode shows that the dryer in the service time.

## 4.2 ESD 3

### 4.2.1 DESCRIPTION

E-687 is designed as a controller for refrigerant type compressed air dryers. The controller has 8 temperature sensor inputs.

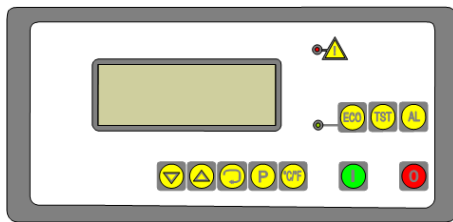
The controller has an RS-485 communication interface that can be used for remotely monitoring channel temperatures, set points, input and output states. Modbus RTU protocol is used for communication.

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

The dimensions of the controller are 3.7 x 7.5 in. (front panel) with a depth of 4.3 in. . The panel cutout should be 3.5 x 7.2 in. . The operating voltage of the controller is 20 - 60V AC or 20 - 85V DC.

### 4.2.2 OPERATION

The front panel view of E-687 controller is given in the below figure. The front panel of the controller contains a four line 20 character LCD display, 10 buttons and 2 indicator leds.



The Front Panel View of E-687 Controller

**ECO** button is used to enable or disable the ECO (economy) mode. Pressing this button complements the state of ECO, i.e. if it is enabled; disables, if it is disabled; enables the ECO mode. The green led on the left side of the **ECO** button lights if the ECO mode is enabled.

**TST** button is used for manual control of the drain output.

**AL** button is used for alarm acknowledge. The dryer is automatically stopped if an anomaly is detected. In that case, the alarm output and the alarm indicator led (red) 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 reenergizes the alarm output and alarm led.

The buttons below the LCD display ( **↓** , **↑** , **↶** and **↷** ) are used in screen selection and configuration operations.

**°C/°F** button is used to change the temperature unit from °C to °F or vice versa.

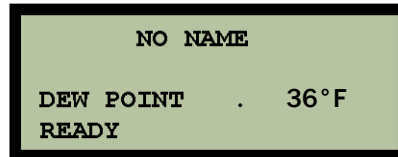
**▶** and **⏸** buttons are used for starting and stopping the dryer respectively. If the dryer is stopped manually, it can not be started before "restart delay" period is timed out.

**°C/°F** , **ECO** , **TST** , **AL** , **▶** and **⏸** buttons are disabled during configuration operations.

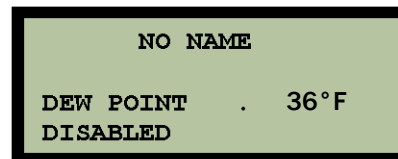
## 4.2.3 OPERATION SCREENS

### 4.2.3.1 The Normal Operation Screen

When the controller is powered on, it displays the type and version message, and then the restart delay timer is set to 5 seconds. After 5 seconds, the normal operation screen is displayed as shown in below figure



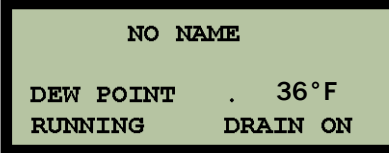
The exchanger temperature (Dew Point) and operation state of the dryer is displayed in this screen. If there is a situation which will prevent the operation of the dryer then the "READY" message in the last line will become "DISABLED". See below figure



**In order to start the dryer, the following conditions must be satisfied.**

1. All the temperatures except the exchanger temperature and condenser outlet temperature must be between their low and high limits. The low pressure line temperature can be 'HIGH'.
2. Digital Input 3 (Compressor Fault) is not activated.
3. Digital Input 4 (Compressor Overload) is not activated.
4. Digital Input 5 (Fan Fault) is not activated.
5. Digital Input 6 (Fan Overload) is not activated.
6. Digital Input 7 (Phase Sequence Error) is not activated.
7. Digital Input 8 (Remote Disable) is not activated.
8. Digital Input 11 (High Pressure) is not activated.
9. Digital Input 12 (Low Pressure) is not activated.

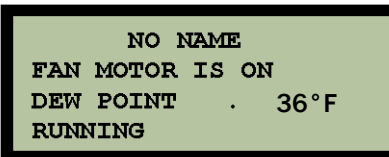
If all the above conditions are satisfied, the message in the last line of the normal operation screen will be "READY" and the dryer can be started either pressing button on the front panel or activating Digital Input 1 (Remote Start) or activating Digital Input 13 (Remote Control). When the dryer is started, the normal operation screen is displayed as shown in below figure.



```
NO NAME
DEW POINT . 36°F
RUNNING DRAIN ON
```

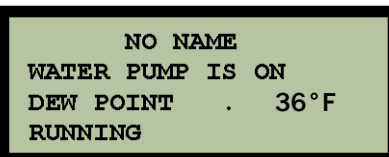
In the beginning, Digital Output 1 (Compressor Motor), Digital Output 2 (Drain Output) and Digital Output 3 (Dryer is Running) become active. While in normal operation, the drain output is controlled according to the configured "drain on" and "drain off" periods. "DRAIN ON" message is displayed in the end of the last line while the drain output is active.

When the Digital Input 9 (Fan Motor is on) is activated, "FAN MOTOR IS ON" message is displayed in the second line as shown in below figure.



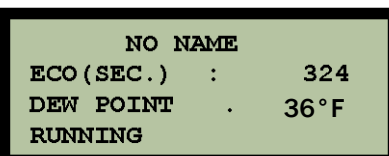
```
NO NAME
FAN MOTOR IS ON
DEW POINT . 36°F
RUNNING
```

Digital Input 14 (Water Pump is on) activates "WATER PUMP IS ON" message as shown in below figure.







```
NO NAME
WATER PUMP IS ON
DEW POINT . 36°F
RUNNING
```

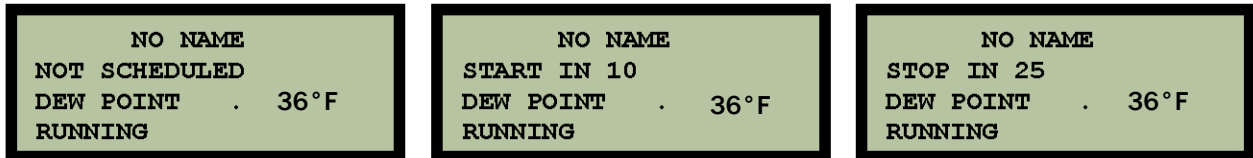
When ECO mode is enabled and the exchanger temperature is less than or equal to "ECO Start Set point" and this condition is prevailed more than "ECO Start Delay", then, the compressor motor is stopped and ECO operation starts. During the ECO operation the appearance of the display is given in below figure. The value at the end of the second row indicates the time in seconds since beginning of the ECO operation.




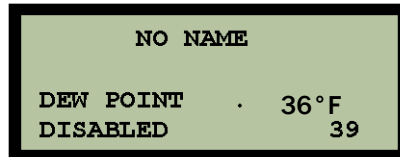
```
NO NAME
ECO (SEC.) : 324
DEW POINT . 36°F
RUNNING
```

Pressing  and  keys simultaneously at this page toggles the controller between automatic and manual mode. In manual mode, the dryer starts and stops manually by using  and  buttons. Unlike the manual mode, automatic mode enables the controller start and stop automatically at pre-programmed times on a daily basis

When running in automatic mode, current scheduling information messages are also activated in the second line of the displays as show in below figure. "NOT SCHEDULED" message is displayed when no schedule exists. "START IN XXX" shows the time to the next scheduled program in minutes and "STOP IN XXX" message shows the time to the end of current running program in minutes.










If the dryer is stopped manually by using  button, or activating Digital Input 2 (Remote Stop) or deactivating Digital Input 13 (Remote Control), the normal operating screen is displayed as shown in below figure. 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.



The first line in the normal operation screen (NO NAME) is user configurable. If the exchanger temperature sensor is broken, dew point temperature will be displayed as 1000°C.

### 4.3.3. The Info Screens

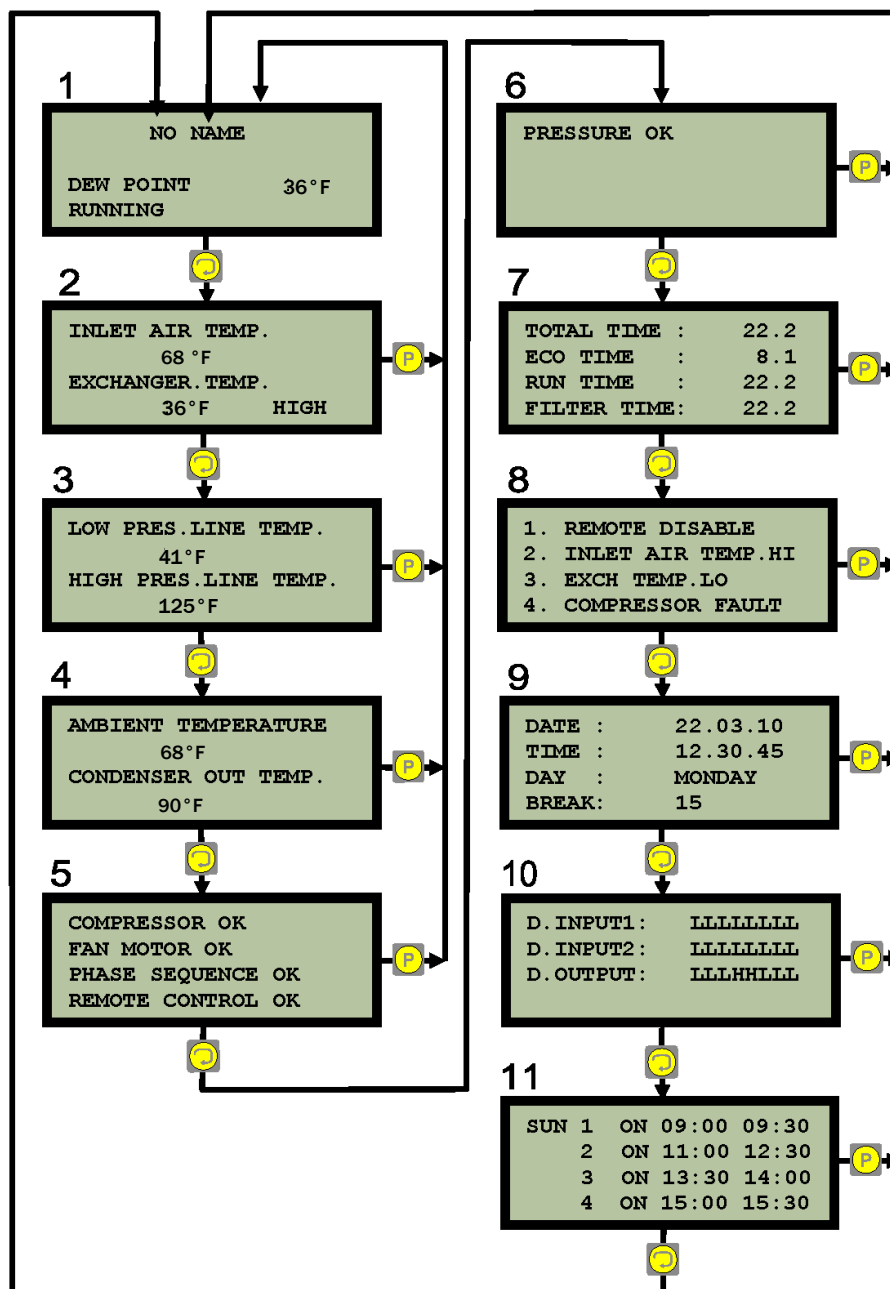
Various data related to the dryer can be monitored by sequentially pressing  button. Pressing  button, changes the display screen. While one screen is displayed, pressing  button reverts to the normal operation screen. The flow chart for monitoring the dryer data is given in Figure 2.13. In this figure, screen numbers are shown on the upper left of the screens.

Screen1 is the normal operation screen. While this screen is displayed, pressing  button selects Screen2. By successively pressing  button, all the screens can be accessed. Screens may also be selected by  and  buttons.

In Screen2, Screen3 and Screen4, 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.

In screen 5 and 6 the states of the compressor motor, fan motor, the phase sequence, remote disable and air pressure are displayed. Actually this data is derived from the digital inputs.

The message in the first line of Screen5 is determined by Digital Input 3 and Digital Input 4 (Compressor Fault and Compressor Overload). in the below table shows the relation between digital inputs and the message.



Screen8 displays the last four events that caused the dryer to be stopped automatically. The possible alternatives for the messages are given below.

INLET AIR TEMP.LO	COMPRESSOR FAULT
INLET AIR TEMP.HI	COMP.OVERLOAD
EXCH.TEMP.LO	FAN MOTOR FAULT
EXCH.TEMP.HI	FAN MOT.OVERLOAD
LO.PRES.L.TEMP.LO	PHASE SEQ.ERROR
LO.PRES.L.TEMP.HI	REMOTE DISABLE
HI.PRES.L.TEMP.LO	PRESSURE HIGH
HI.PRES.L.TEMP.HI	PRESSURE LOW
AMB.TEMP.LO	CONDENSER FAULT
AMB.TEMP.HI	

Screen9 displays the date and time.

Screen10 displays the states of the digital inputs and digital outputs. The letters 'L' and 'H' stands for 'not activated' and 'activated' states respectively.

The data in the first line of Screen10 (D.INPUT1), from right to left corresponds to Digital Input 1 to 8.

The data in the second line of Screen10 (D.INPUT2), from right to left corresponds to Digital Input 9 to 16.

The data in the third line of Screen10 (D.OUTPUT), from right to left corresponds to Digital Output 1 to 8.

Screen11 displays automatic mode scheduling of the day. Please see Section 2.3.3 for scheduling for auto/manual selection.

### 4.3.4 Operation Principles

**In order to start the dryer, the following conditions must be satisfied.**

1. All the temperatures except the exchanger temperature and condenser outlet temperature must be between their low and high limits. The low pressure line temperature can be 'HIGH'.
2. Digital Input 3 (Compressor Fault) is not activated.
3. Digital Input 4 (Compressor Overload) is not activated.
4. Digital Input 5 (Fan Fault) is not activated.
5. Digital Input 6 (Fan Overload) is not activated.
6. Digital Input 7 (Phase Sequence Error) is not activated.
7. Digital Input 8 (Remote Disable) is not activated.
8. Digital Input 11 (High Pressure) is not activated.
9. Digital Input 12 (Low Pressure) is not activated.

If all the above conditions are satisfied, the dryer can be started.



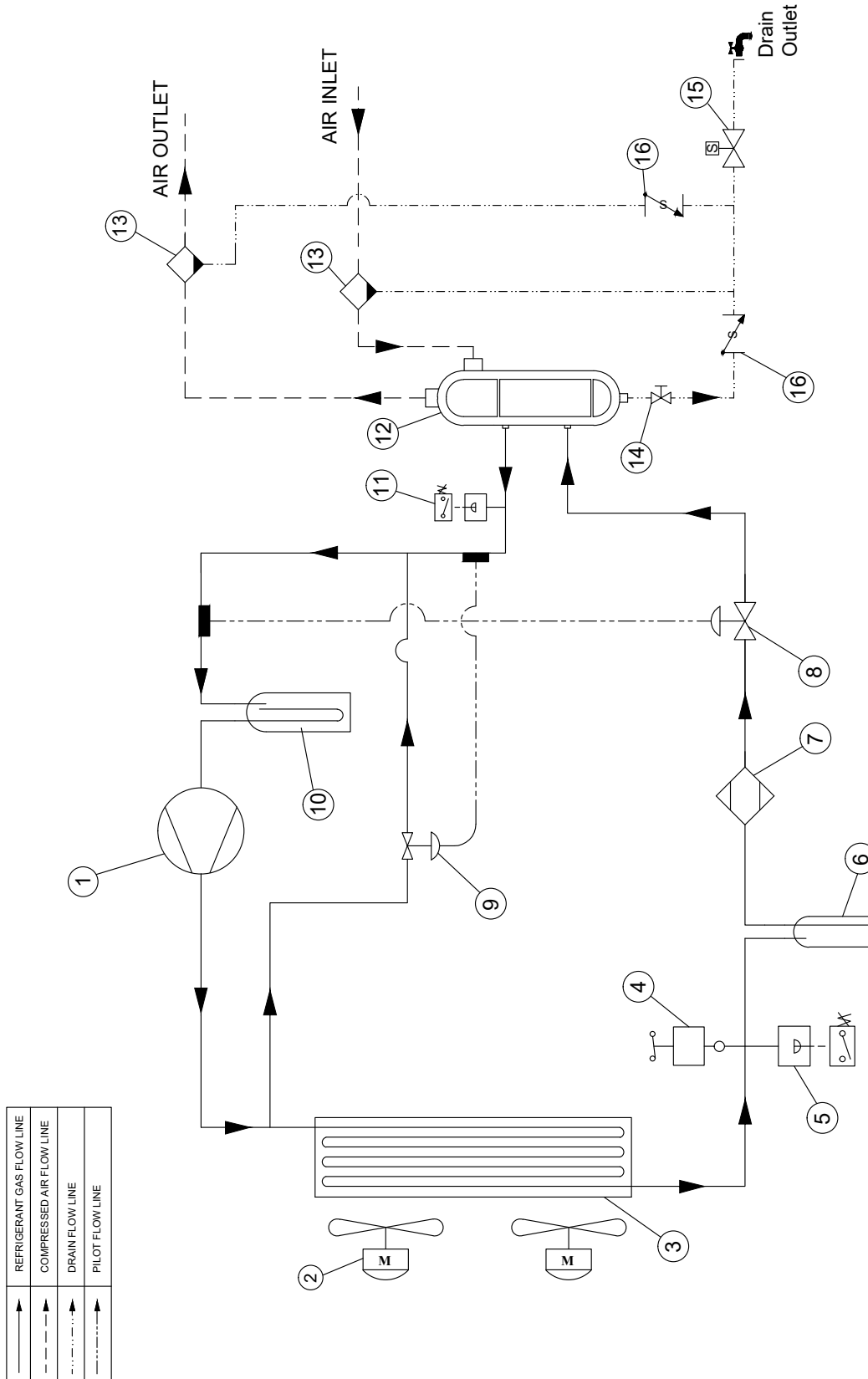
## 5. TECHNICAL SPECIFICATIONS

Model	Capacity (scfm)	Connection Size	Amount of Refrigerant (pounds)	Refrigerant gas	Pressure drop (psig)
ODRD 10	10	1/2" NPT	0.6	R134a	1,5
ODRD 15	15	1/2" NPT	0.6	R134a	1,7
ODRD 25	25	1/2" NPT	0.7	R134a	2,8
ODRD 30	30	1/2" NPT	0.7	R134a	2,8
ODRD 35	35	3/4" NPT	1.1	R134a	1,2
ODRD 60	60	3/4" NPT	1.2	R134a	1,6
ODRD 75	75	3/4" NPT	1.3	R134a	2,3
ODRD 100	100	1 1/2" NPT	2.2	R134a	1,6
ODRD 125	125	1 1/2" NPT	2.2	R134a	2,2
ODRD 140	140	1 1/2" NPT	2.2	R134a	2,8
ODRD 175	175	2" NPT	5.5	R134a	1,6
ODRD 200	200	2" NPT	5.5	R134a	1,9
ODRD 250	250	2" NPT	9.9	R134a	1,8
ODRD 350	350	2" NPT	9.9	R134a	2,6
ODRD 425	425	2" NPT	9.9	R134a	2,9
ODRD 550	550	3" NPT	15.4	R134a	2,0
ODRD 700	700	3" NPT	15.4	R134a	2,5
ODRD 900	900	3" NPT	22	R134a	1,7
ODRD 1100	1100	3" NPT	22	R134a	2,2
ODRD 1350	1350	DN100	23.1	R134a	1,7
ODRD 1500	1500	DN100	23.1	R134a	1,9
ODRD 2000	2000	DN100	44	R134a	2,7
ODRD 2350	2350	DN100	44	R134a	2,8
ODRD 2750	2750	DN150	44	R134a	2,5
ODRD 3000	3000	DN150	50.7	R134a	2,5
ODRD 3600	3600	DN150	52.9	R134a	2,5
ODRD 4000	4000	DN200	57.3	R134a	2,5
ODRD 5000	5000	DN200	59.5	R134a	2,5

FOR ALL MODELS	
Nominal Working Pressure	100 psig
Maximum Working Pressure	230 psig
Maximum Ambient Temperature	120°F
Minimum Ambient Temperature	39°F
Maximum Inlet Temperature	140°F

## 6. DIAGRAMS

### 6.1 AIR FLOW DIAGRAMS ODRD 10 - ODRD 700



**IMPORTANT NOTICE:**

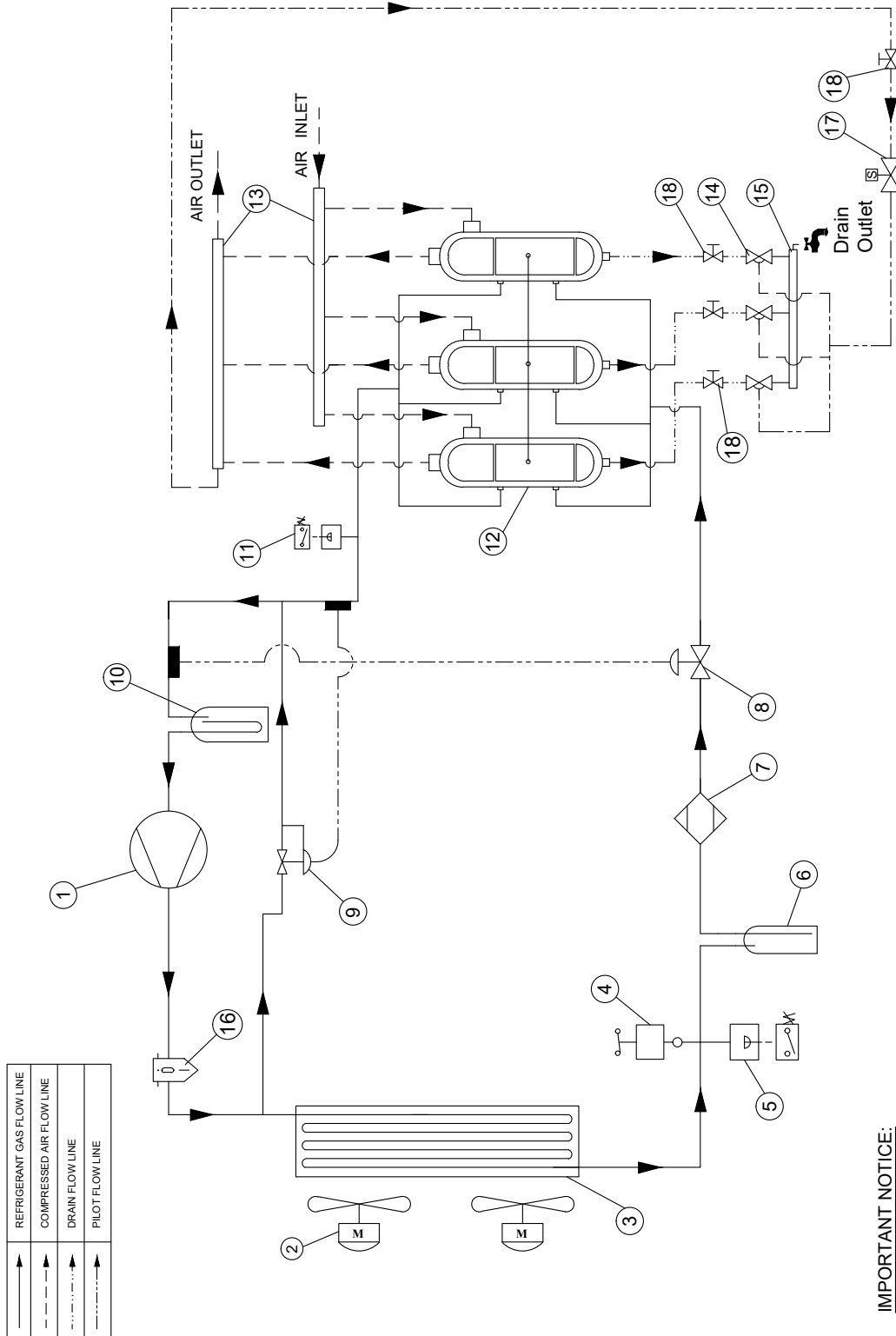
- High Pressure Switch (Part No:5) is not used from ODRD 10 to ODRD 30 .
- Hot Gas By Pass Valve (Part No:9) is not used from ODRD:10 to ODRD 75.
- Liquid Receiver (Part No:6) is not used from ODRD 10 to ODRD 140 .
- Liquid Separator (Part No:10) is used from ODRD 350 to ODRD 700 .
- Low Pressure Switch (Part No:11) is only ODRD 550 and ODRD 700 .

## 6.1 AIR FLOW DIAGRAMS

### ODRD 10 - ODRD 700

16	CHECK VALVE	
15	SOLENOID VALVE	
14	MANUEL VALVE	
13	FILTER	
12	HEAT EXCHANGER	
11	LOW PRESSURE SWITCH	
10	LIQUID SEPARATOR	
9	BY-PASS VALVE	
8	EXPANSION VALVE	
7	FILTER DRIER	
6	LIQUID RECEIVER	
5	HIGH PRESSURE SWITCH	
4	FAN SWITCH	
3	CONDENSER	
2	FAN MOTOR	
1	COMPRESSOR	
POS.	DESCRIPTION	QTY

## 6.1 AIR FLOW DIAGRAMS ODRD 900 - ODRD 5000



**IMPORTANT NOTICE:**

- Air Compressed Filters are only used ODRD 900 and ODRD 1100 .

## 6.1 AIR FLOW DIAGRAMS

### ODRD 900 - ODRD 5000

18	MANUEL VALVE	
17	SELONOID VALVE	
16	OIL SEPARATOR	
15	DRAIN COLLECTOR	
14	MEMBRANE VALVE	
13	AIR COLLECTOR	
12	HEAT EXCHANGER	
11	LOW PRESSURE SWITCH	
10	LIQUID SEPARATOR	
9	BY-PASS VALVE	
8	EXPANSION VALVE	
7	FILTER DRIER	
6	LIQUID RECEIVER	
5	HIGH PRESSURE SWITCH	
4	FAN SWITCH	
3	CONDENSER	
2	FAN MOTOR	
1	COMPRESSOR	
POS.	DESCRIPTION	QTY

## 6.2

# ODRD

## ELECTRICAL DIAGRAMS

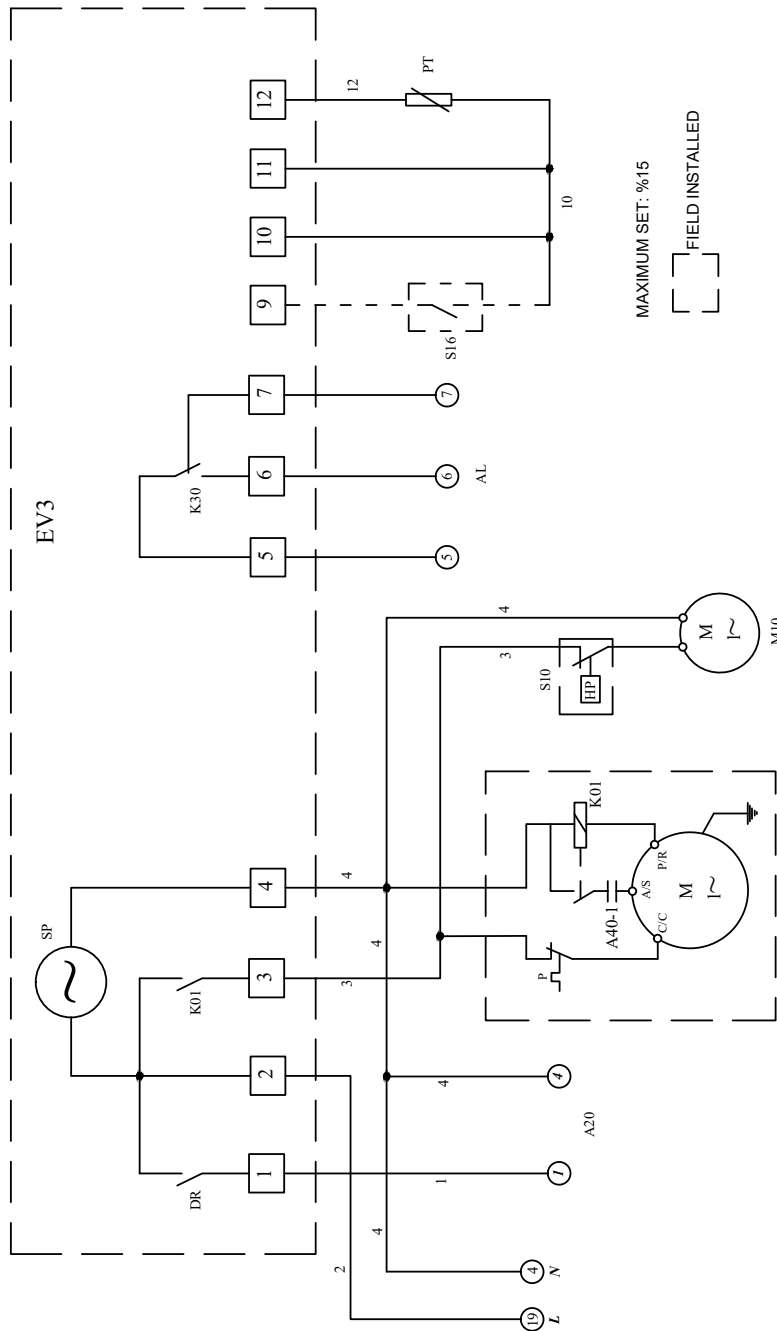
### With Control & Power

“User must supply the protective earth conductor of the dryer. The conductor is to be connected to the point on the conducting body of the dryer, specified by a sticker with the protective earth symbol next to it. The size of the protective earth conductor should be minimum the size of the power conductor, minimum 16 mm<sup>2</sup> for power conductor size between 16 and 35 mm<sup>2</sup>, minimum half the size of the conductor if it is larger than 35 mm<sup>2</sup>.”

MODEL	Voltage/Phase/ Hertz	INSTALLED POWER (kWatt)	Nominal Current (Amp)	MCA (A)	TOTAL LRA (A)	Fuse (Amp)
ODRD 10	115/1P/60	0,38	3,07	4,20	18,45	6
ODRD 10	230/1P/60	0,37	1,60	2,18	9,70	6
ODRD 15	115/1P/60	0,39	3,16	4,20	18,45	6
ODRD 15	230/1P/60	0,38	1,70	2,18	9,70	6
ODRD 25	115/1P/60	0,44	3,74	5,08	22,45	6
ODRD 25	230/1P/60	0,42	2,00	2,68	11,30	6
ODRD 30	115/1P/60	0,46	3,89	5,08	22,45	6
ODRD 30	230/1P/60	0,14	2,00	2,68	11,30	6
ODRD 35	115/1P/60	0,45	3,92	5,20	25,45	6
ODRD 35	230/1P/60	0,41	2,00	2,68	12,40	6
ODRD 60	115/1P/60	0,68	6,46	8,55	33,05	10
ODRD 60	230/1P/60	0,63	3,40	4,53	19,20	10
ODRD 75	115/1P/60	0,77	7,52	10,43	42,65	10
ODRD 75	230/1P/60	0,78	4,50	5,91	24,00	15
ODRD 100	115/1P/60	0,94	9,89	12,80	48,05	15
ODRD 100	230/1P/60	0,93	4,90	6,66	20,30	15
ODRD 125	115/1P/60	1,17	12,85	17,18	64,05	20
ODRD 125	230/1P/60	1,18	6,50	9,16	33,80	10
ODRD 140	230/1P/60	1,41	6,30	8,78	32,78	10
ODRD 175	230/1P/60	1,60	6,70	8,85	32,90	10
ODRD 175	460/3P/60	1,39	2,39	3,57	17,74	4
ODRD 175	230/3P/60	2,05	6,43	8,05	30,30	10
ODRD 200	230/1P/60	2,04	8,70	14,0	56,90	15
ODRD 200	460/3P/60	2,03	4,20	6,06	24,10	6
ODRD 200	230/3P/60	2,63	9,20	11,18	47,30	15
ODRD 250	230/1P/60	2,27	10,70	14,60	51,40	15
ODRD 250	460/3P/60	0,84	3,80	6,06	23,74	6
ODRD 250	230/3P/60	0,84	8,60	11,18	46,65	15
ODRD 350	230/1P/60	2,35	11,10	14,60	51,40	15
ODRD 350	460/3P/60	1,01	5,82	6,88	27,50	8
ODRD 350	230/3P/60	2,74	8,80	11,75	49,00	15
ODRD 425	230/1P/60	2,71	12,80	17,98	78,40	20
ODRD 425	460/3P/60	3,40	6,38	7,63	27,50	8
ODRD 425	230/3P/60	3,16	10,55	13,75	49,00	15
ODRD 550	460/3P/60	3,58	7,30	11,88	53,00	15
ODRD 700	460/3P/60	3,94	8,80	14,25	66,00	15
ODRD 900	460/3P/60	5,28	10,40	16,03	102,40	20
ODRD 1100	460/3P/60	5,90	12,45	16,78	97,40	20
ODRD 1350	460/3P/60	7,10	13,45	20,93	117,30	25
ODRD 1500	460/3P/60	8,01	14,25	25,68	128,30	25
ODRD 2000	460/3P/60	10,82	18,60	32,70	154,70	35
ODRD 2350	460/3P/60	12,32	23,40	35,95	183,70	35
ODRD 2750	460/3P/60	15,37	24,30	42,33	229,70	45
ODRD 3000	460/3P/60	16,72	26,25	44,18	231,55	45
ODRD 3600	460/3P/60	19,99	34,35	57,45	306,55	60
ODRD 4000	460/3P/60	20,09	34,55	57,45	306,55	60
ODRD 5000	460/3P/60	26,24	49,50	68,85	370,10	70

## 6.2 ELECTRICAL DIAGRAMS ODRD 10 to ODRD 30

- EV3: Controller
- SP: Power supply
- AL: Alarm contacts
- A20: Drain valve relay
- DR: Drain valve relay
- A40-1: Start capacitor
- K01: Compressor start relay
- K02: Compressor motor contactor
- K30: Alarm relay
- S10: Fan pressure switch
- S16: Filter service contact (optional)
- M01: Compressor motor
- M10: Fan motor
- P: Compressor motor overload protector
- PT: Temperature sensor (NTC)
- HP: Indicates high pressure.



MAXIMUM SET: %15

FIELD INSTALLED

**S01 MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER**

SUPPLY LINE VOLTAGE RATING - 600 VAC

ELECTRICAL SUPPLY LINE SINGLE PHASE + PROTECTION EARTH	CABLES SIZE
ODRD-10	3AWG14
ODRD-15	3AWG14
ODRD-25	3AWG14

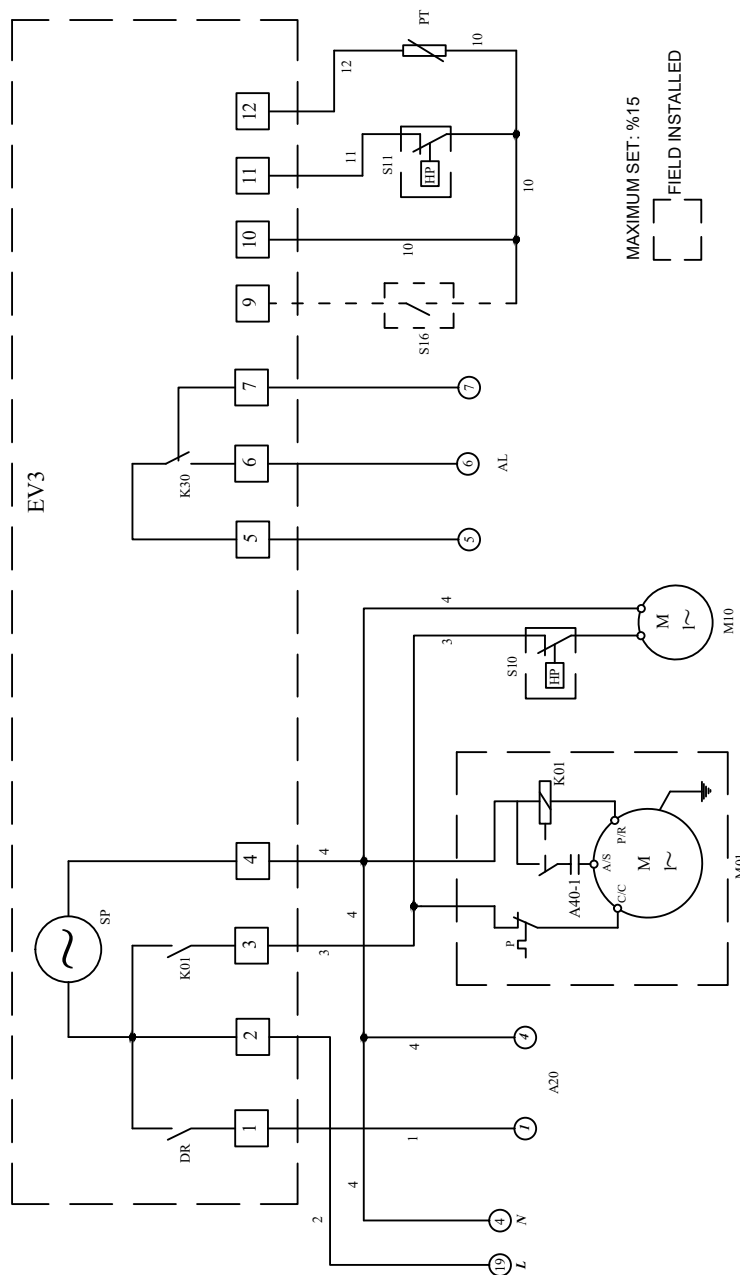
### ELECTRICAL SPECIFICATIONS

<b>COMPRESSOR</b>	<b>FAN MOTOR</b>
UN 115V/1~60Hz	UN 115V/1~60Hz
ODRD-10 RLA 3A 0.221kW	ODRD-10 RLA 0.35A 0.055kW
ODRD-15 RLA 3A 0.234kW	ODRD-15 RLA 0.35A 0.055kW
ODRD-25 RLA 3.7A 0.285kW	ODRD-25 RLA 0.35A 0.055kW
<b>COMPRESSOR</b>	<b>FAN MOTOR</b>
UN 230V/1~60Hz	UN 230V/1~60Hz
ODRD-10 RLA 1.7A 0.231kW	ODRD-10 RLA 0.18A 0.055kW
ODRD-15 RLA 1.7A 0.248kW	ODRD-15 RLA 0.18A 0.055kW
ODRD-25 RLA 1.9A 0.288kW	ODRD-25 RLA 0.18A 0.055kW



## 6.2 ELECTRICAL DIAGRAMS ODRD 35 to ODRD 125

EV3: Controller  
 SP: Power supply  
 AL: Alarm contacts  
 A20: Drain supply  
 DR: Drain valve relay  
 A40-1: Start capacitor  
 K01: Compressor start relay  
 K02: Compressor motor contactor  
 K30: Alarm relay  
 S10: Fan pressure switch  
 S11: High pressure switch  
 S16: Filter service contact (optional)  
 M01: Compressor motor  
 M10: Fan motor  
 P: Compressor motor overload protector  
 PT: Temperature sensor (NTC)  
 HP: Indicates high pressure



MAXIMUM SET: %15  
 FIELD INSTALLED

**S01 MAIN PROTECTION AND DISCONNECTING MEANS  
 SHALL BE PROVIDED BY THE INSTALLER OF  
 RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER**

SUPPLY LINE VOLTAGE RATING - 600 VAC

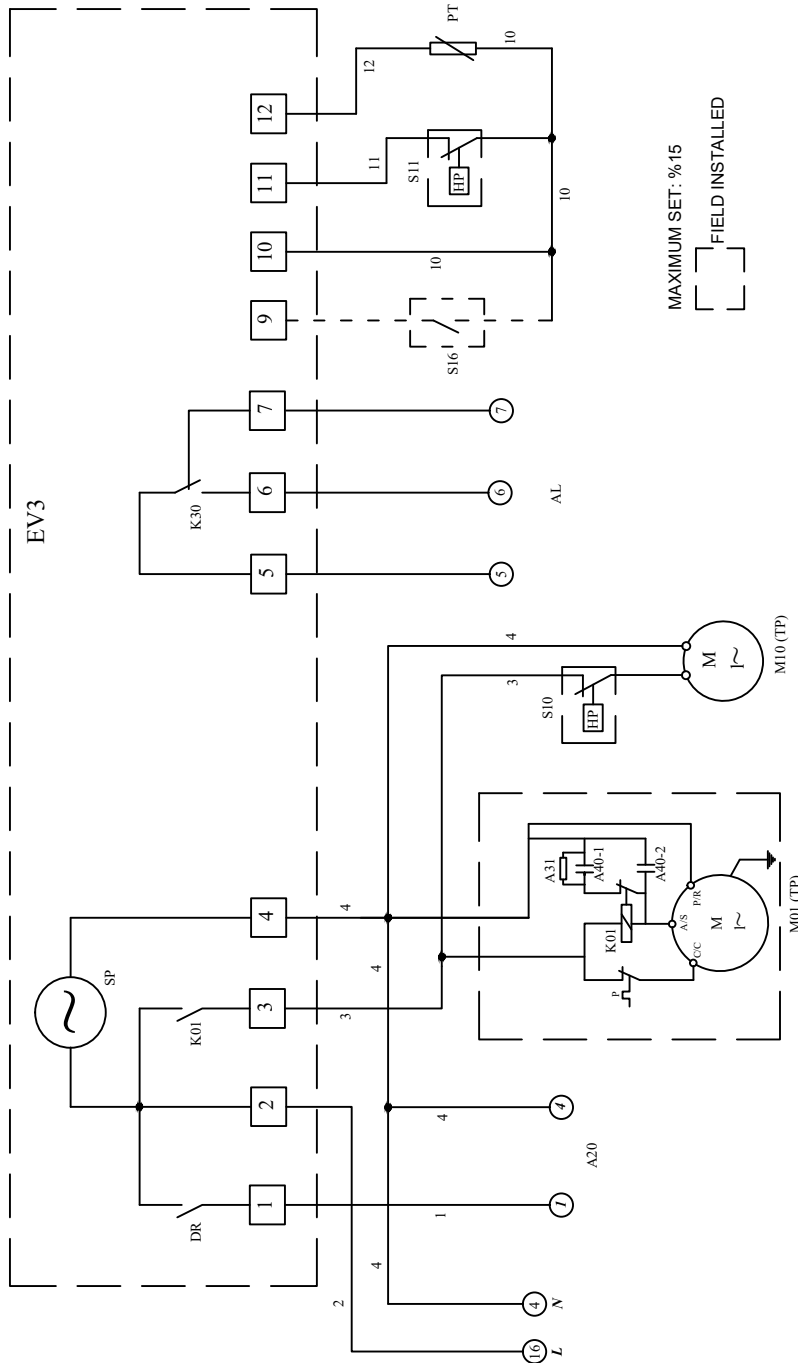
ELECTRICAL SUPPLY LINE SINGLE PHASE + PROTECTION EARTH	
	CABLES SIZE
ODRD-35	3AWG14
ODRD-60	3AWG14
ODRD-75	3AWG14
ODRD-100	3AWG14
ODRD-125	3AWG12

### ELECTRICAL SPECIFICATIONS

<b>COMPRESSOR</b>	<b>FAN MOTOR</b>
UN 115V/1~60Hz	UN 115V/1~60Hz
ODRD-35 RLA 3.8A 0.290kW	ODRD-35 RLA 0.35A 0.055kW
ODRD-60 RLA 6A 0.466kW	ODRD-60 RLA 0.95A 0.110kW
ODRD-75 RLA 7.5A 0.562kW	ODRD-75 RLA 0.95A 0.110kW
ODRD-100 RLA 9.4A 0.725kW	ODRD-100 RLA 0.95A 0.110kW
ODRD-125 RLA 12.9A 0.964kW	ODRD-125 RLA 0.95A 0.110kW
<b>COMPRESSOR</b>	<b>FAN MOTOR</b>
UN 230V/1~60Hz	UN 230V/1~60Hz
ODRD-35 RLA 1.9A 0.279kW	ODRD-35 RLA 0.18A 0.055kW
ODRD-60 RLA 3A 0.434kW	ODRD-60 RLA 0.45A 0.110kW
ODRD-75 RLA 2.9A 0.580kW	ODRD-75 RLA 0.45A 0.110kW
ODRD-100 RLA 4.7A 0.739kW	ODRD-100 RLA 0.45A 0.110kW
ODRD-125 RLA 6.7A 0.984kW	ODRD-125 RLA 0.45A 0.110kW

## 6.2 ELECTRICAL DIAGRAMS ODRD 140

- EV3: Controller
- SP: Power supply
- AL: Alarm contact
- A20: Drain supply
- DR: Drain valve relay
- A31: Bleeder resistor
- A40-1: Start capacitor
- A40-2: Run capacitor
- K01: Compressor start relay
- K02: Compressor motor contactor
- K30: Alarm relay
- S10: Fan pressure switch
- S11: High pressure switch
- S16: Filter service contact (optional)
- M01: Compressor motor
- M10: Fan motor
- P: Compressor motor overload protector
- PT: Temperature sensor (NTC)
- HP: Indicates high pressure
- TP: Indicates thermal protection



MAXIMUM SET: %15

FIELD INSTALLED

**S01 MAIN PROTECTION AND DISCONNECTING MEANS  
SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL  
CURRENT AUTOMATIC CIRCUIT BREAKER**

SUPPLY LINE VOLTAGE RATING - 600 VAC

ELECTRICAL SUPPLY LINE SINGLE PHASE + PROTECTION EARTH	
ODRD-140	CABLES SIZE 3AWG14

ELECTRICAL  
SPECIFICATIONS

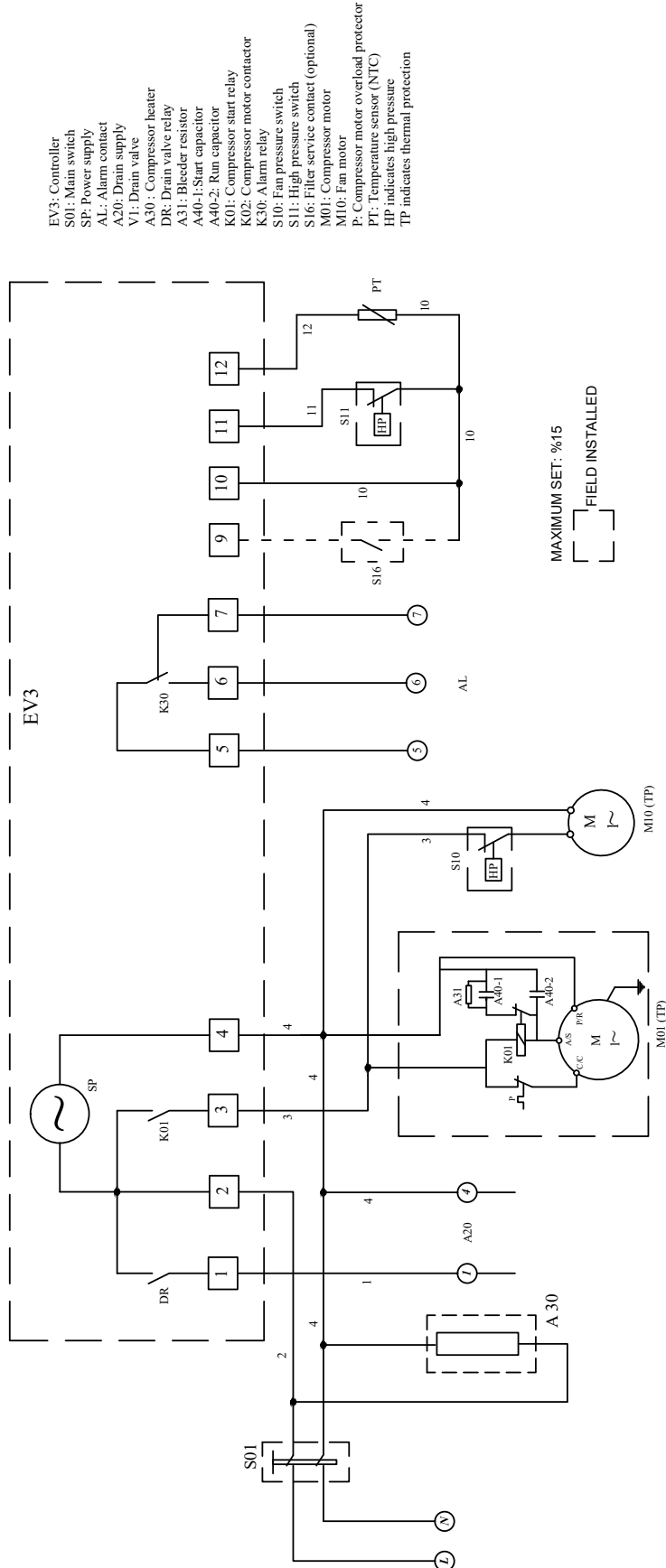
FAN MOTOR  
UN 230V/1~/60HZ

ODRD-140 RLA 0,68A 0,095KW

COMPRESSOR  
UN 230V/1~/60HZ

ODRD-140 RLA 6,4A 1,213KW

## 6.2 ELECTRICAL DIAGRAMS ODRD 175 to ODRD 425



**S01 MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER**

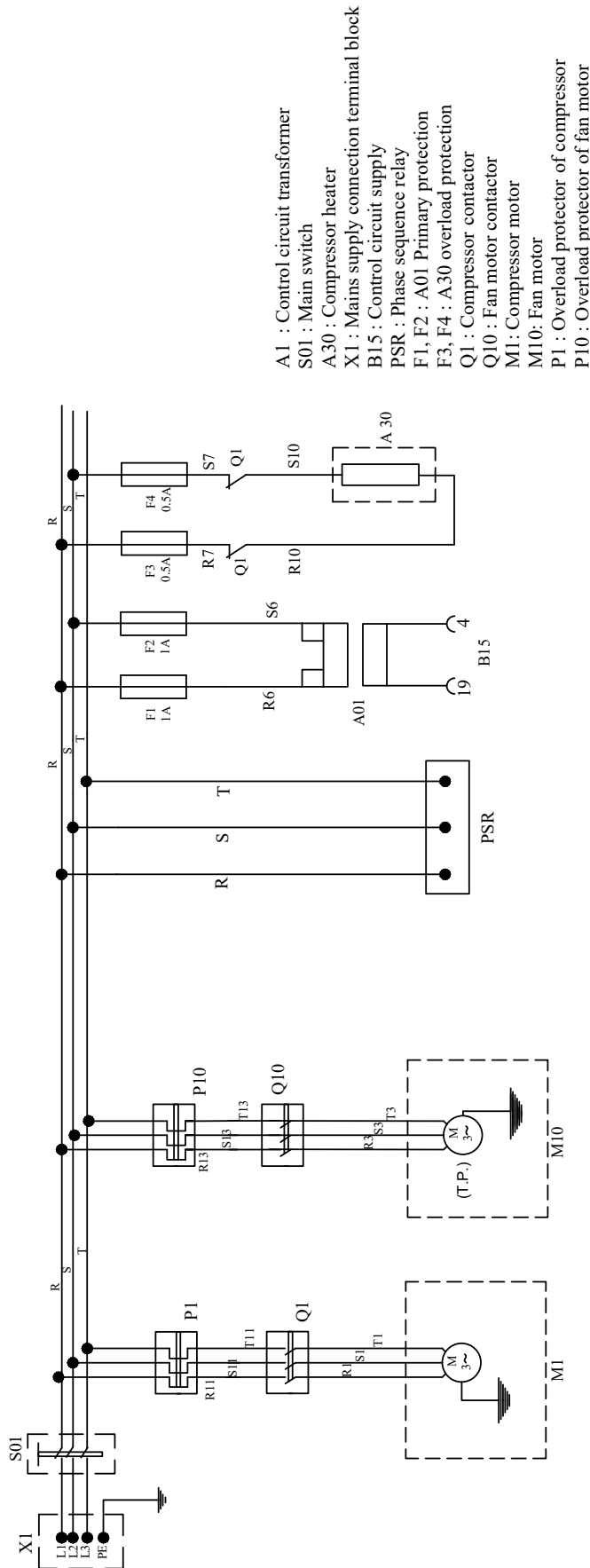
SUPPLY LINE VOLTAGE RATING - 600 VAC

ELECTRICAL SUPPLY LINE SINGLE PHASE + PROTECTION EARTH	CABLES SIZE
ODRD-175	3AWG14
ODRD-200	3AWG14
ODRD-350	3AWG14
ODRD-425	3AWG14

**ELECTRICAL SPECIFICATIONS**

COMPRESSOR	FAN MOTOR
UN 230V/1~60Hz	UN 230V/1~60Hz
ODRD-175 RLA 6.4A 1.289kW	ODRD-175 RLA 0.68A 0.095kW
ODRD-200 RLA 8.7A 1.280kW	ODRD-200 RLA 0.68A 0.095kW
ODRD-350 RLA 6.2A 1.729kW	ODRD-350 RLA 2.25A 0.340kW
ODRD-425 RLA 13.3A 2.300kW	ODRD-425 RLA 2.25A 0.340kW

## 6.2 ELECTRICAL DIAGRAMS ODRD 175 to ODRD 425 (3P) POWER 230 VOLT



- A1 : Control circuit transformer
- S01 : Main switch
- A30 : Compressor heater
- X1 : Mains supply connection terminal block
- B15 : Control circuit supply
- PSR : Phase sequence relay
- F1, F2 : A01 Primary protection
- F3, F4 : A30 overload protection
- Q1 : Compressor contactor
- Q10 : Fan motor contactor
- M1: Compressor motor
- M10: Fan motor
- P1 : Overload protector of compressor
- P10 : Overload protector of fan motor

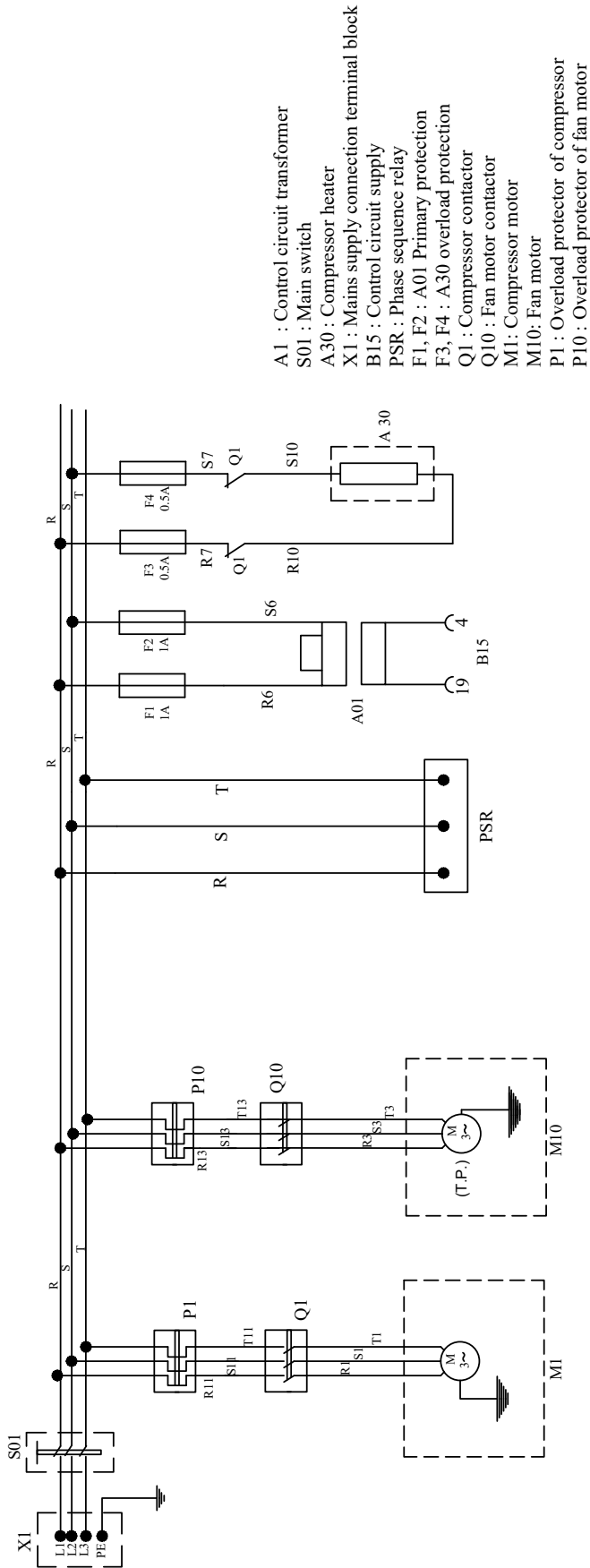
MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER  
SUPPLY LINE VOLTAGE RATING - 600 VAC

ELECTRICAL SUPPLY LINE 3 PHASE + PROTECTION EARTH	
ODRD-175	CABLES SIZE
ODRD-200	4AWG14
ODRD-350	4AWG14
ODRD-425	4AWG14

ELECTRICAL SPECIFICATIONS	
COMPRESSOR	FAN MOTOR
UN 230V/3~60HZ	UN 230V/3~60HZ
ODRD-175 RLA 4.6A 1.210KW	ODRD-175 RLA 0.65A 0.125KW
ODRD-200 RLA 7.1A 1.790KW	ODRD-200 RLA 0.65A 0.125KW
ODRD-350 RLA 6.2A 1.729KW	ODRD-350 RLA 1.5A 0.210KW
ODRD-425 RLA 7.8A 2.150KW	ODRD-425 RLA 1.5A 0.210KW

## 6.2 ELECTRICAL DIAGRAMS

### ODRD 175 to ODRD 425 (3P) POWER 460 VOLT



- A1 : Control circuit transformer
- S01 : Main switch
- A30 : Compressor heater
- X1 : Mains supply connection terminal block
- B15 : Control circuit supply
- PSR : Phase sequence relay
- F1, F2 : A01 Primary protection
- F3, F4 : A30 overload protection
- Q1 : Compressor contactor
- Q10 : Fan motor contactor
- M1 : Compressor motor
- M10 : Fan motor
- P1 : Overload protector of compressor
- P10 : Overload protector of fan motor

MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER

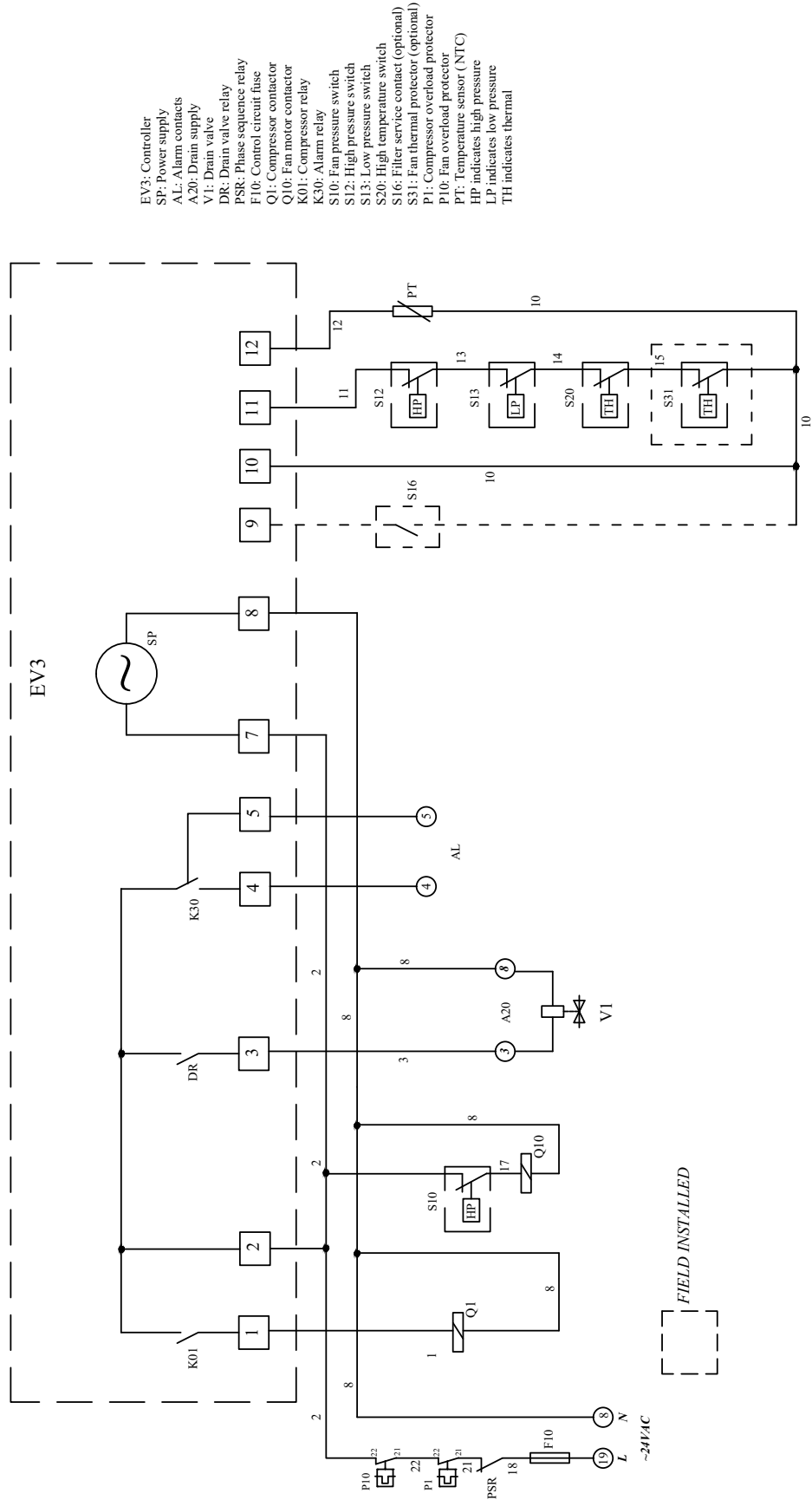
SUPPLY LINE VOLTAGE RATING - 600 VAC

ELECTRICAL SUPPLY LINE 3 PHASE + PROTECTION EARTH	CABLES SIZE
ODRD-175	4AWG/4
ODRD-200	4AWG/4
ODRD-350	4AWG/4
ODRD-425	4AWG/4

ELECTRICAL SPECIFICATIONS

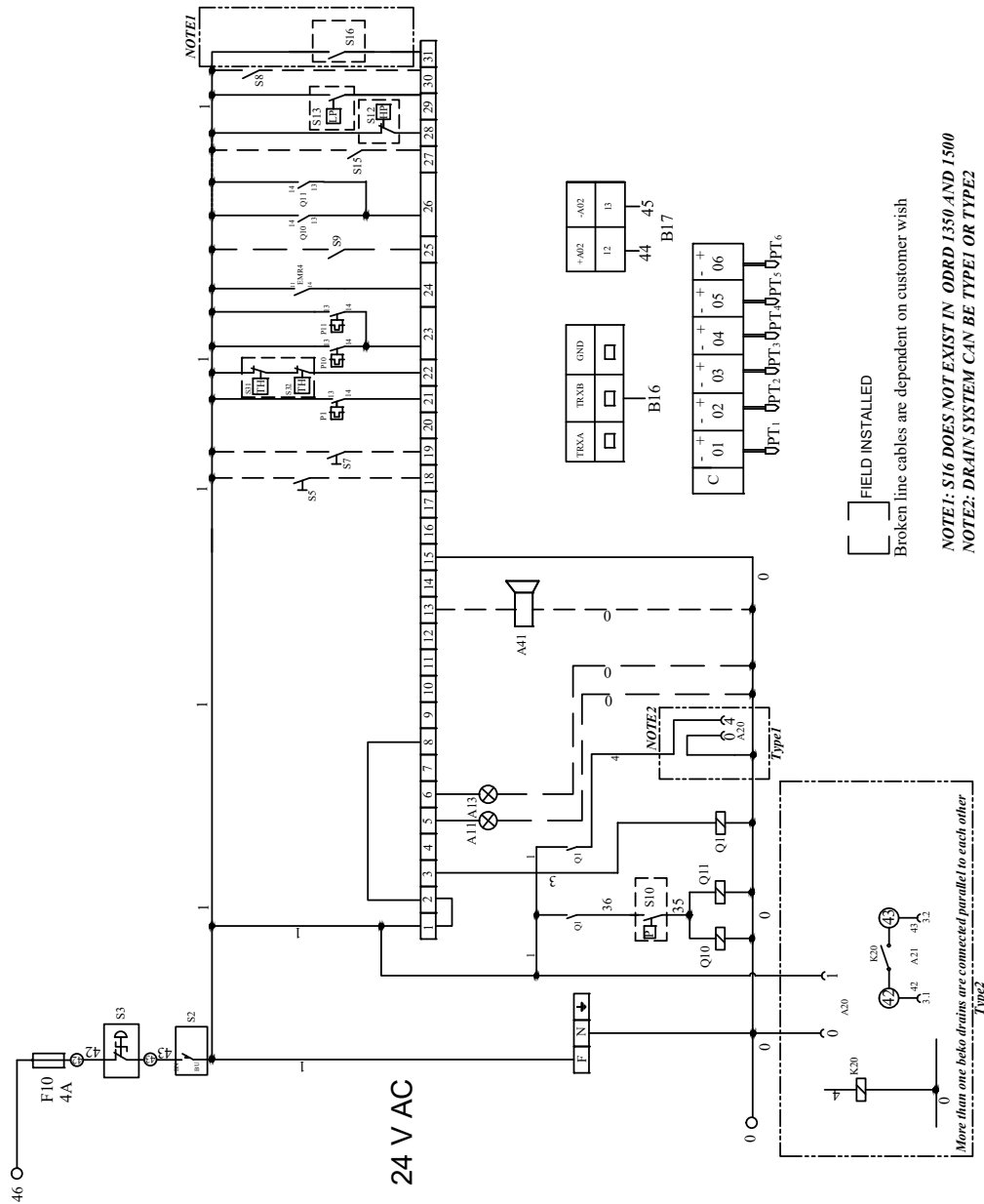
COMPRESSOR	FAN MOTOR
UN 460V/3~60Hz	UN 460V/3~60Hz
ODRD-175 RLA 2.5A 1.168KW	ODRD-175 RLA 0.34A 0.125KW
ODRD-200 RLA 3.5A 1.190KW	ODRD-200 RLA 0.34A 0.125KW
ODRD-350 RLA 3.5A 1.799KW	ODRD-350 RLA 0.75A 0.210KW
ODRD-425 RLA 4.1A 2.389KW	ODRD-425 RLA 0.75A 0.210KW

## 6.2 ELECTRICAL DIAGRAMS ODRD 175 to ODRD 425 (3P) CONTROL



## 6.2 ELECTRICAL DIAGRAMS ODRD 550 to ODRD 1500 CONTROL

- F10, F11 : Control circuit protection
- S2: Limit Switch
- S5 : Remote control start button
- S7 : Remote control stop button
- S3 : Emergency Button
- S16: Filter service contact
- P1 : Overload protector of compressor
- P10 : Overload protector of fan motor 1
- P11 : Overload protector of fan motor 2
- S31: Fan heat thermal 1
- S32: Fan heat thermal 2
- EMR4 : Phase protection relay
- S8 : Remote control contact
- S9 : Obstruction for manual on/off
- S15 : Service contact
- S10 : Fan pressure switch
- S12 : High Pressure safety switch
- S13 : Low Pressure safety switch
- Q1 : Compressor motor contactor
- Q10 : Fan motor contactor 1
- Q11 : Fan motor contactor 2
- A20 : Electronic timer-drain supply (Optional)
- K20: Drain supply test relay
- A21: Drain test
- A11 : Remote control running lamp (green)
- A13 : 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 outlet temperature sensor (PT100)
- B16 : Computer/Communication connection (RS 485)
- B17 : Dew point analog output (4-20mA/0-100 C)
- HP indicates high pressure
- LP indicates low pressure
- TH indicates thermal

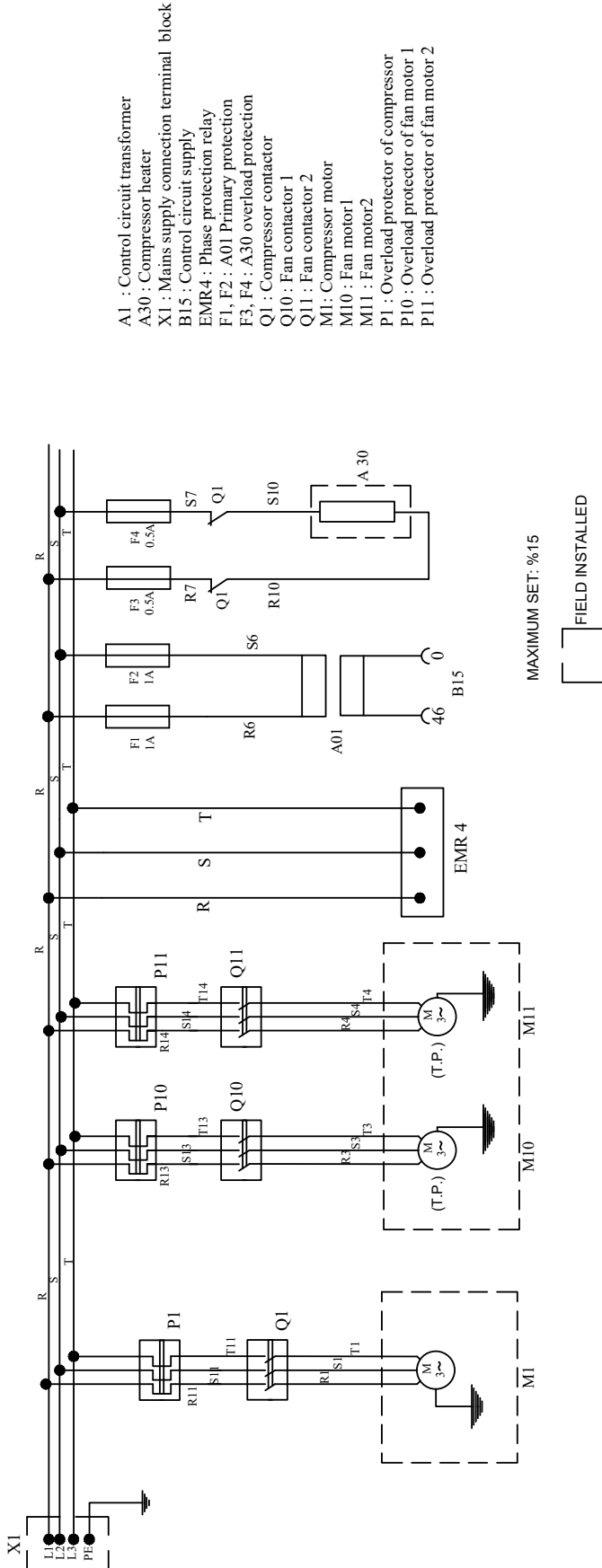


**NOTE1:** S16 DOES NOT EXIST IN ODRD 1350 AND 1500  
**NOTE2:** DRAIN SYSTEM CAN BE TYPE1 OR TYPE2

FIELD INSTALLED

Broken line cables are dependent on customer wish

## 6.2 ELECTRICAL DIAGRAMS ODRD 550 to 1500 POWER



MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER

SUPPLY LINE VOLTAGE RATING - 600 VAC

### ELECTRICAL SPECIFICATIONS

COMPRESSOR	FAN MOTOR
UN 460V/3/60	UN 460V/3/60
ODRD-550 RLA 7,1A 2,44kW	ODRD-550 RLA 1A 0,275kW (x2)
ODRD-700 RLA 9A 2,80kW	ODRD-700 RLA 1A 0,275kW (x2)
ODRD-900 RLA 10,9A 3,99kW	ODRD-900 RLA 0,7A 0,350kW (x2)
ODRD-1100 RLA 11,5A 4,61kW	ODRD-1100 RLA 0,7A 0,350kW (x2)
ODRD-1350 RLA 14,1A 5,19kW	ODRD-1350 RLA 1,15A 0,660kW (x2)
ODRD-1500 RLA 17,9A 6,12kW	ODRD-1500 RLA 1,15A 0,660kW (x2)

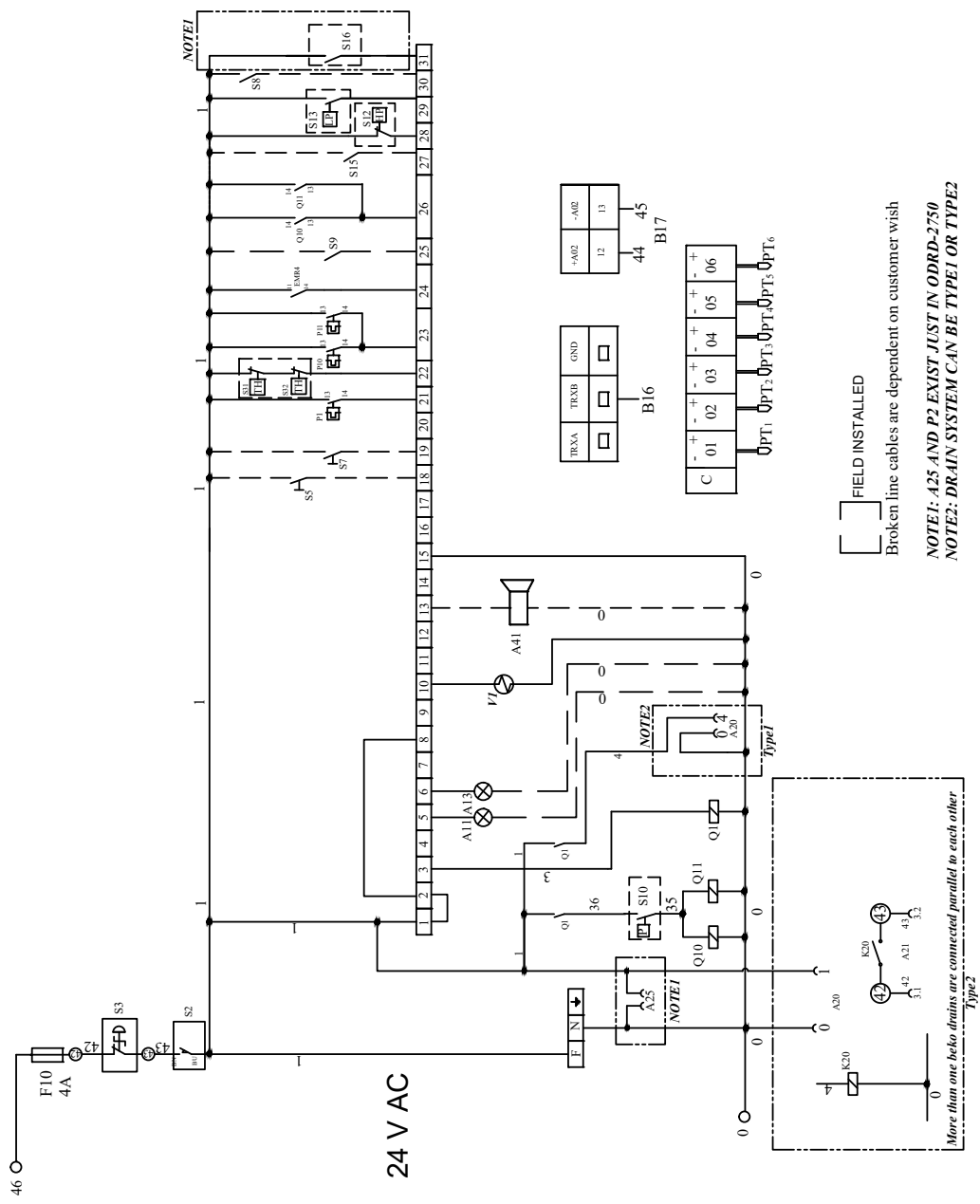
ELECTRICAL SUPPLY LINE	CABLES SIZE
3 PHASE + PROTECTION EARTH	4AWG12
ODRD-550	4AWG12
ODRD-700	4AWG12
ODRD-900	4AWG10
ODRD-1100	4AWG10
ODRD-1350	4AWG10
ODRD-1500	4AWG10



# 6.2 ELECTRICAL DIAGRAMS

## ODRD 2000 to 2750 CONTROL

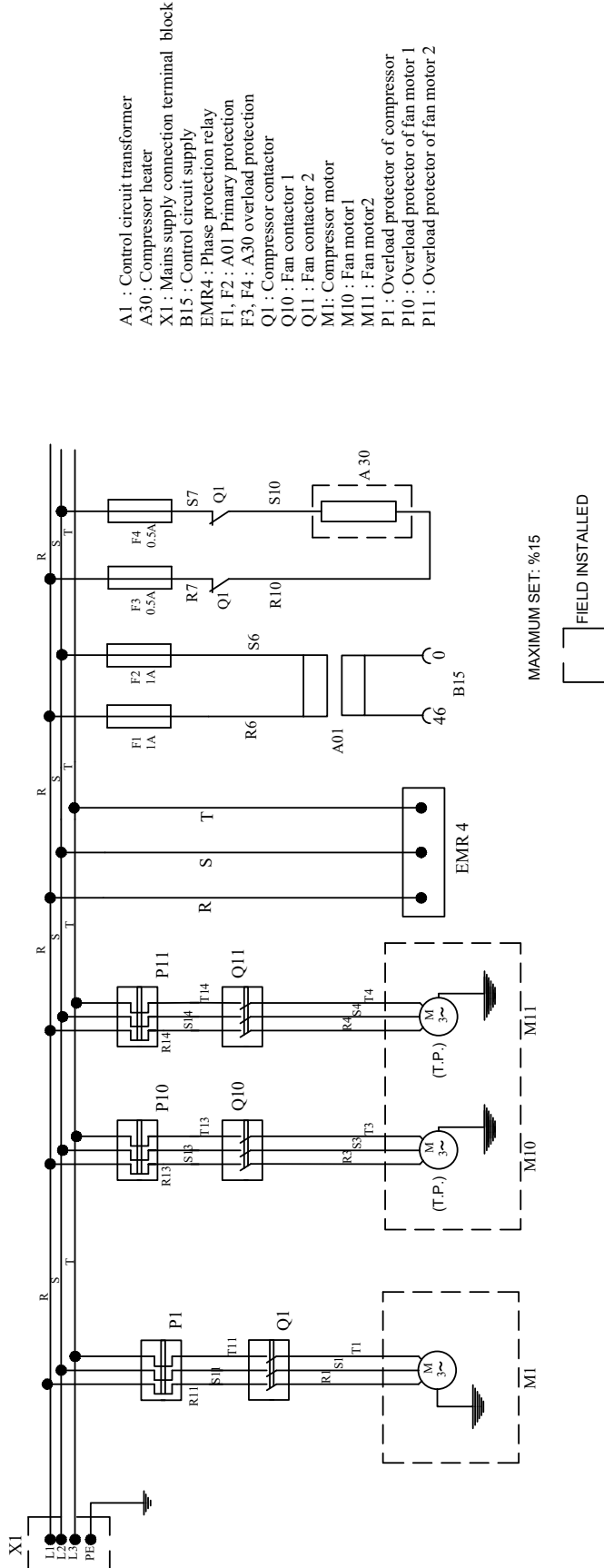
- F10, F11 : Control circuit protection
- S2: Limit Switch
- S5 : Remote control start button
- S7 : Remote control stop button
- S3 : Emergency Button
- S16: Filter service contact
- P1 : Overload protector of compressor
- P10 : Overload protector of fan motor 1
- P11 : Overload protector of fan motor 2
- S31: Fan heat thermal 1
- S32: Fan heat thermal 2
- EMR4 : Phase protection relay
- S8 : Remote control contact
- S9 : Obstruction for manual on/off
- S15 : Service contact
- S10 : Fan pressure switch
- S12 : High Pressure safety switch
- S13 : Low Pressure safety switch
- V1: Bypass valve
- Q1 : Compressor motor contactor
- Q10 : Fan motor contactor 1
- Q11 : Fan motor contactor 2
- A20 : Electronic timer-drain supply (Optional)
- A25: Compressor heat thermal supply
- K20: Drain supply test relay
- A21: Drain test
- A11 : Remote control running lamp (green)
- A13 : 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 outlet temperature sensor (PT100)
- B16 : Computer/Communication connection (RS 485)
- B17 : Dew point analog output (4-20mA/0-100 C)
- HP indicates high pressure
- LP indicates low pressure
- TH indicates thermal



FIELD INSTALLED  
Broken line cables are dependent on customer wish

**NOTE1: A25 AND P2 EXIST JUST IN ODRD-2750**  
**NOTE2: DRAIN SYSTEM CAN BE TYPE1 OR TYPE2**

## 6.2 ELECTRICAL DIAGRAMS ODRD 2000 to 2750 POWER



MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER

SUPPLY LINE VOLTAGE RATING - 600 VAC

ELECTRICAL SPECIFICATIONS

COMPRESSOR	FAN MOTOR
UN 460V/3/60	UN 460V/3/60
ODRD-2000 RLA 22,4A 7,750kW	ODRD-2000 RLA 1,85A 1,25kW (x2)
ODRD-2350 RLA 25,0A 9,250kW	ODRD-2350 RLA 1,85A 1,25kW (x2)
ODRD-2750 RLA 30,1A 12,300kW	ODRD-2750 RLA 1,85A 1,25kW (x2)

ELECTRICAL SUPPLY LINE 3 PHASE + PROTECTION EARTH	CABLES SIZE
ODRD-2000	4A WG7
ODRD-2350	4A WG5
ODRD-2750	4A WG5

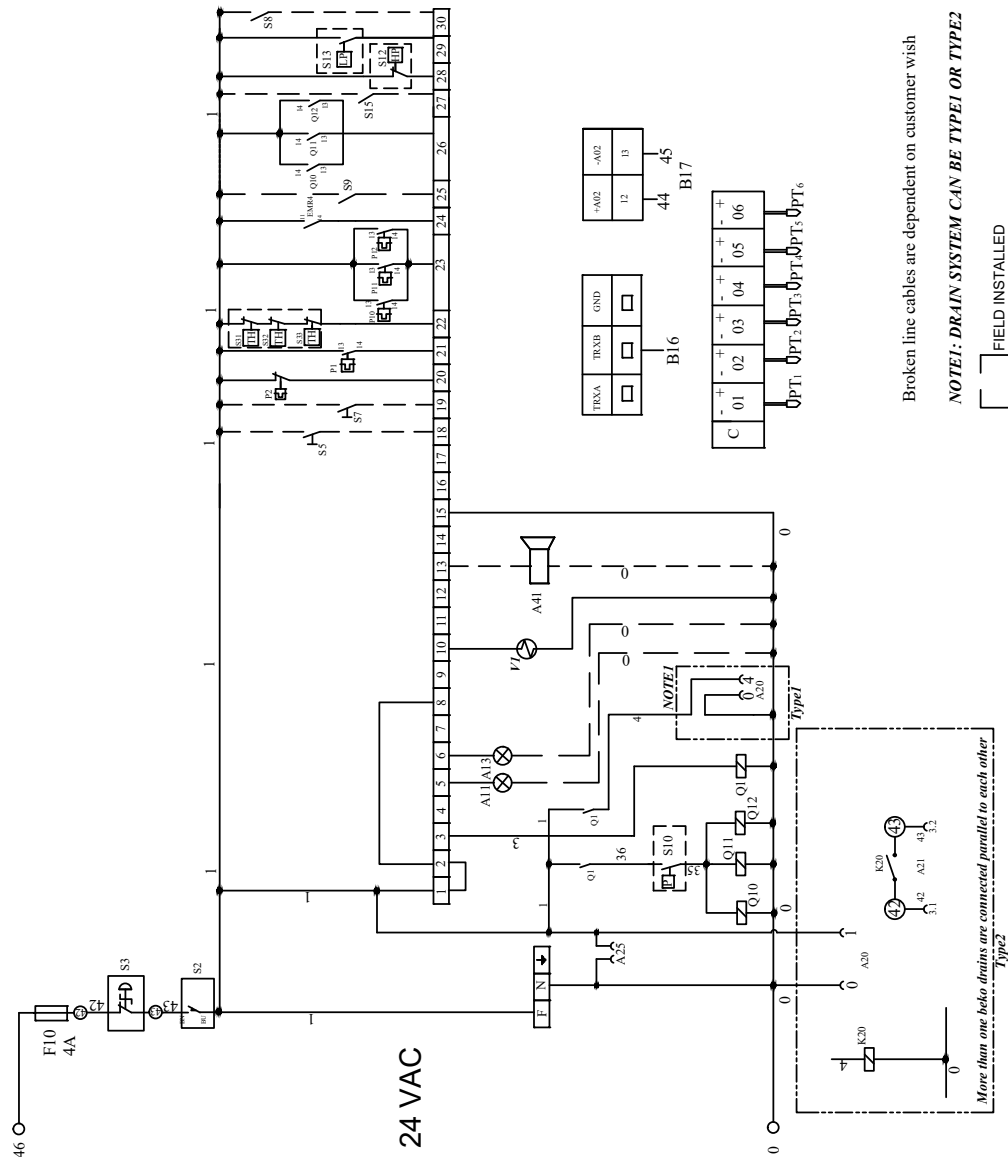
MAXIMUM SET: %15

FIELD INSTALLED

# 6.2 ELECTRICAL DIAGRAMS

## ODRD 3000 CONTROL

- F10, F11 : Control circuit protection
- S2: Limit Switch
- S5 : Remote control start button
- S7 : Remote control stop button
- S3 : Emergency Button
- P1 : Overload protector of compressor
- P2: Compressor thermal protection
- P10 : Overload protector of fan motor1
- P11 : Overload protector of fan motor2
- P12 : Overload protector of fan motor3
- S31: Fan heat thermal 1
- S32: Fan heat thermal 2
- S33: Fan heat thermal 3
- EMR4 : Phase protection relay
- S8 : Remote control contact
- S9 : Obstruction for manual on/off
- S15 : Service contact
- S10 : Fan pressure switch
- S12 : High Pressure safety switch
- S13 : Low Pressure safety switch
- Q1 : Compressor motor contactor
- Q10 : Fan motor1 contactor
- Q11 : Fan motor2 contactor
- Q12 : Fan motor3 contactor
- V1: Bypass valve
- K20: Drain supply test relay
- A21: Drain test
- A25: Compressor heat thermal supply
- A20 : Electronic timer-drain supply (Optional)
- A11 : Remote control running lamp (green)
- A13 : 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 outlet temperature sensor (PT100)
- B16 : Computer/Communication connection (RS 485)
- B17 : Dew point analog output (4-20mA/0-100 C)
- HP indicates high pressure
- LP indicates low pressure
- TH indicates thermal



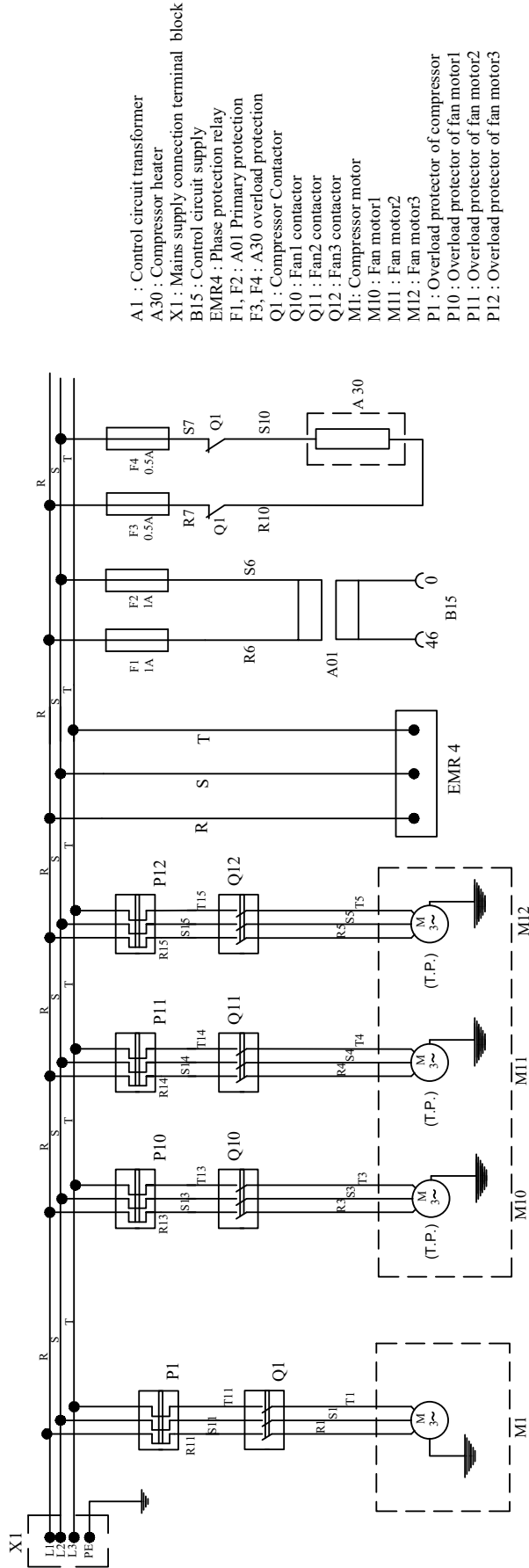
Broken line cables are dependent on customer wish

**NOTE1 : DRAIN SYSTEM CAN BE TYPE1 OR TYPE2**

FIELD INSTALLED

## 6.2 ELECTRICAL DIAGRAMS

### ODRD 3000 POWER



- A1 : Control circuit transformer
- A30 : Compressor heater
- X1 : Mains supply connection terminal block
- B15 : Control circuit supply
- EMR4 : Phase protection relay
- F1, F2 : A01 Primary protection
- F3, F4 : A30 overload protection
- Q1 : Compressor Contactor
- Q10 : Fan1 contactor
- Q11 : Fan2 contactor
- Q12 : Fan3 contactor
- M1: Compressor motor
- M10 : Fan motor1
- M11 : Fan motor2
- M12 : Fan motor3
- P1 : Overload protector of compressor
- P10 : Overload protector of fan motor1
- P11 : Overload protector of fan motor2
- P12 : Overload protector of fan motor3

MAXIMUM SET: %15

FIELD INSTALLED

MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER

#### ELECTRICAL SPECIFICATIONS

COMPRESSOR UN 460V/3/60  
 ODRD-3000 RLA 30,1A 12,40KW

FAN MOTOR UN 460V/3/60  
 ODRD-3000 RLA 1,85A 1,25kW (x3)

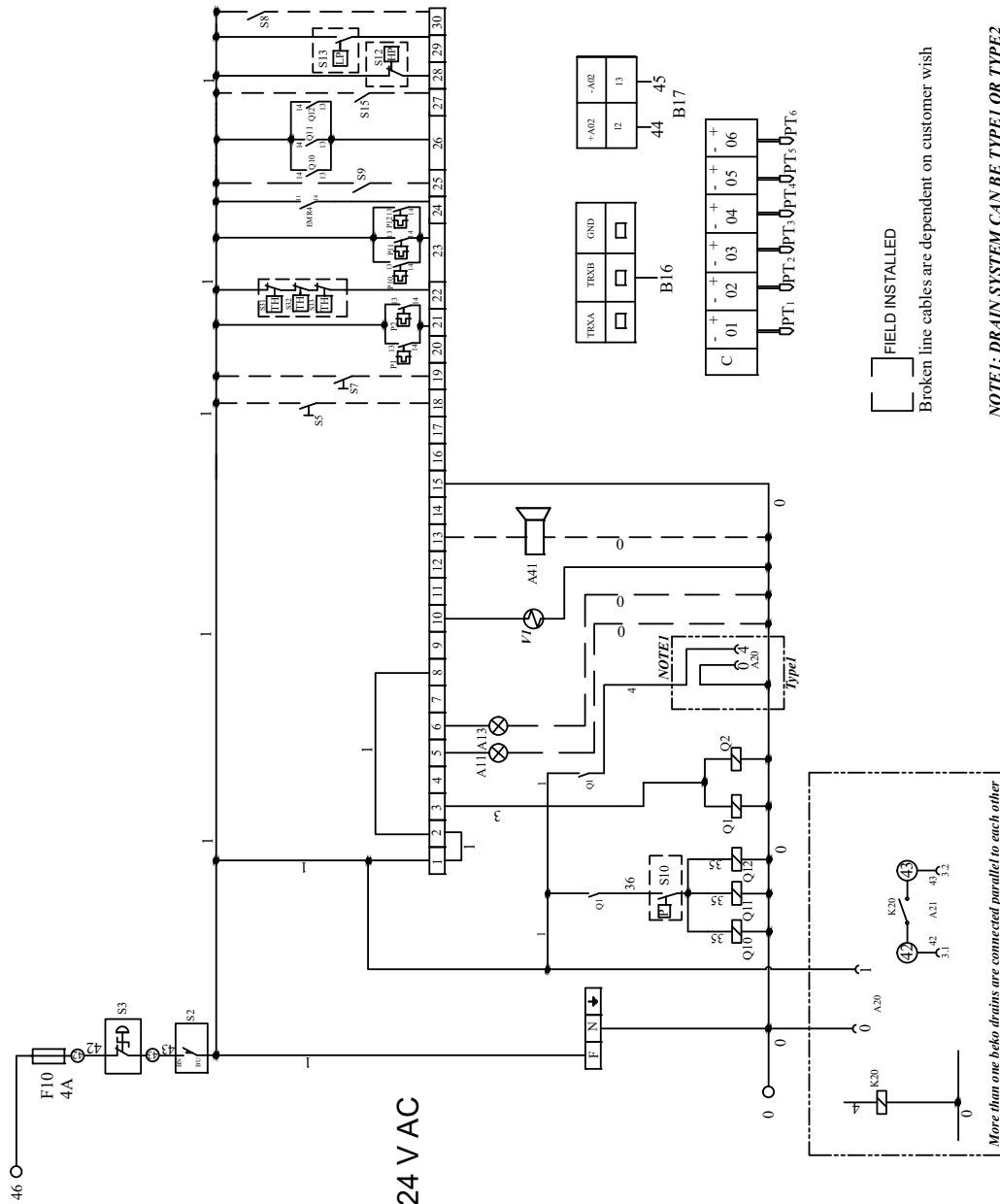
SUPPLY LINE VOLTAGE RATING - 600 VAC

ELECTRICAL SUPPLY LINE 3 PHASE + PROTECTION EARTH
ODRD-3000
CABLES SIZE 4AWG5

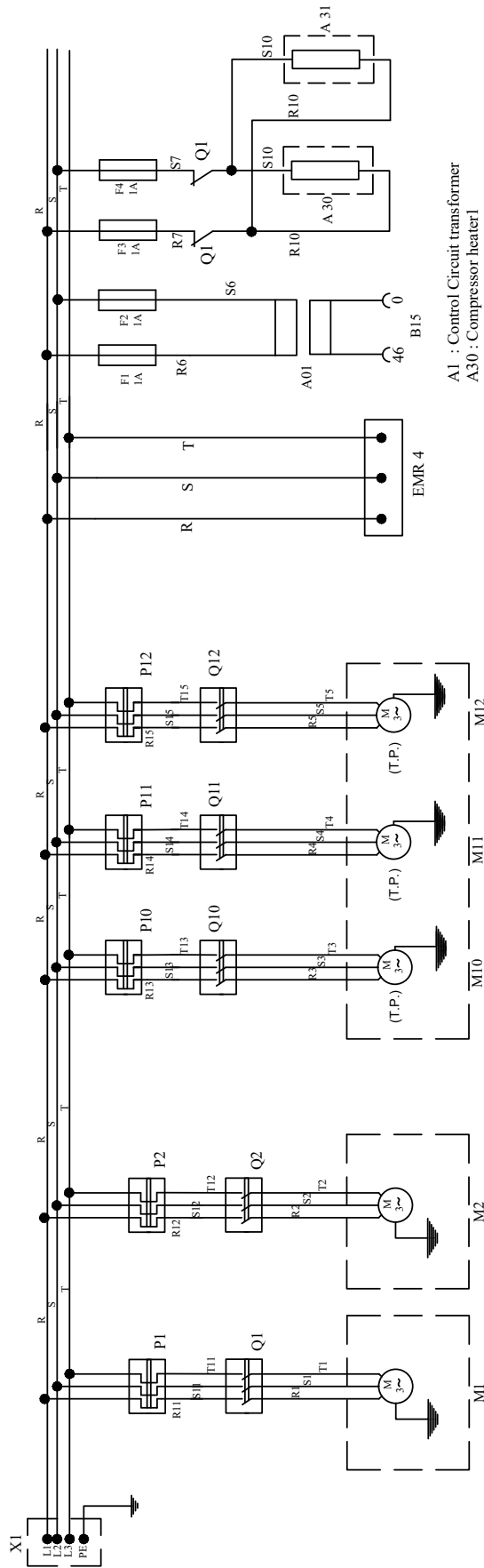
# 6.2 ELECTRICAL DIAGRAMS

## ODRD 3600 - 4000 CONTROL

- F10, F11 : Control circuit protection
- S2: Limit Switch
- S5 : Remote control start button
- S7 : Remote control stop button
- S3 : Emergency Button
- P1 : Overload protector of compressor
- P2 : Overload protector of fan motor
- P10 : Overload protector of fan motor
- P11 : Overload protector of fan motor
- P12 : Overload protector of fan motor
- S31: Fan heat thermal 1
- S32: Fan heat thermal 2
- S33: Fan heat thermal 3
- EMR4 : Phase protection relay
- S8 : Remote control contact
- S9 : Obstruction for manual on/off
- S15 : Service contact
- S10 : Fan pressure switch
- S12 : High Pressure safety switch
- S13 : Low Pressure safety switch
- Q1 : Compressor motor contactor
- Q2 : Compressor motor contactor
- Q10 : Fan motor contactor
- Q11 : Fan motor contactor
- Q12 : Fan motor contactor
- V1: Bypass valve
- A20 : Electronic timer-drain supply (Optional)
- K20: Drain supply test relay
- A21: Drain test
- A11 : Remote control running lamp (green)
- A13 : 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 outlet temperature sensor (PT100)
- B16 : Computer/Communication connection (RS 485)
- B17 : Dew point analog output (4-20mA/0-100 C)
- HP indicates high pressure
- LP indicates low pressure
- TH indicates thermal



## 6.2 ELECTRICAL DIAGRAMS ODRD 3600 - 4000 POWER



- A1 : Control Circuit transformer
- A30 : Compressor heater1
- A31 : Compressor heater2
- X1 : Mains supply connection terminal block
- B15 : Control circuit supply
- EMR4 : Phase protection relay
- F1, F2 : A01 Primary protection
- F3, F4 : A30 overload protection
- Q1 : Compressor Contactor
- Q2 : Compressor Contactor
- Q10 : Fan contactor
- Q11 : Fan contactor
- Q12 : Fan contactor
- M1 : Compressor motor1
- M2 : Compressor motor 2
- M10 : Fan motor1
- M11 : Fan motor2
- M12 : Fan motor3
- P1 : Overload protector of compressor1
- P2 : Overload protector of compressor2
- P10 : Overload protector of fan motor
- P11 : Overload protector of fan motor
- P12 : Overload protector of fan motor

**MAIN PROTECTION AND DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER OF RESIDUAL CURRENT AUTOMATIC CIRCUIT BREAKER**

**SUPPLY LINE VOLTAGE RATING - 600 VAC**

MAXIMUM SET: %15

FIELD INSTALLED

**ELECTRICAL SPECIFICATIONS**

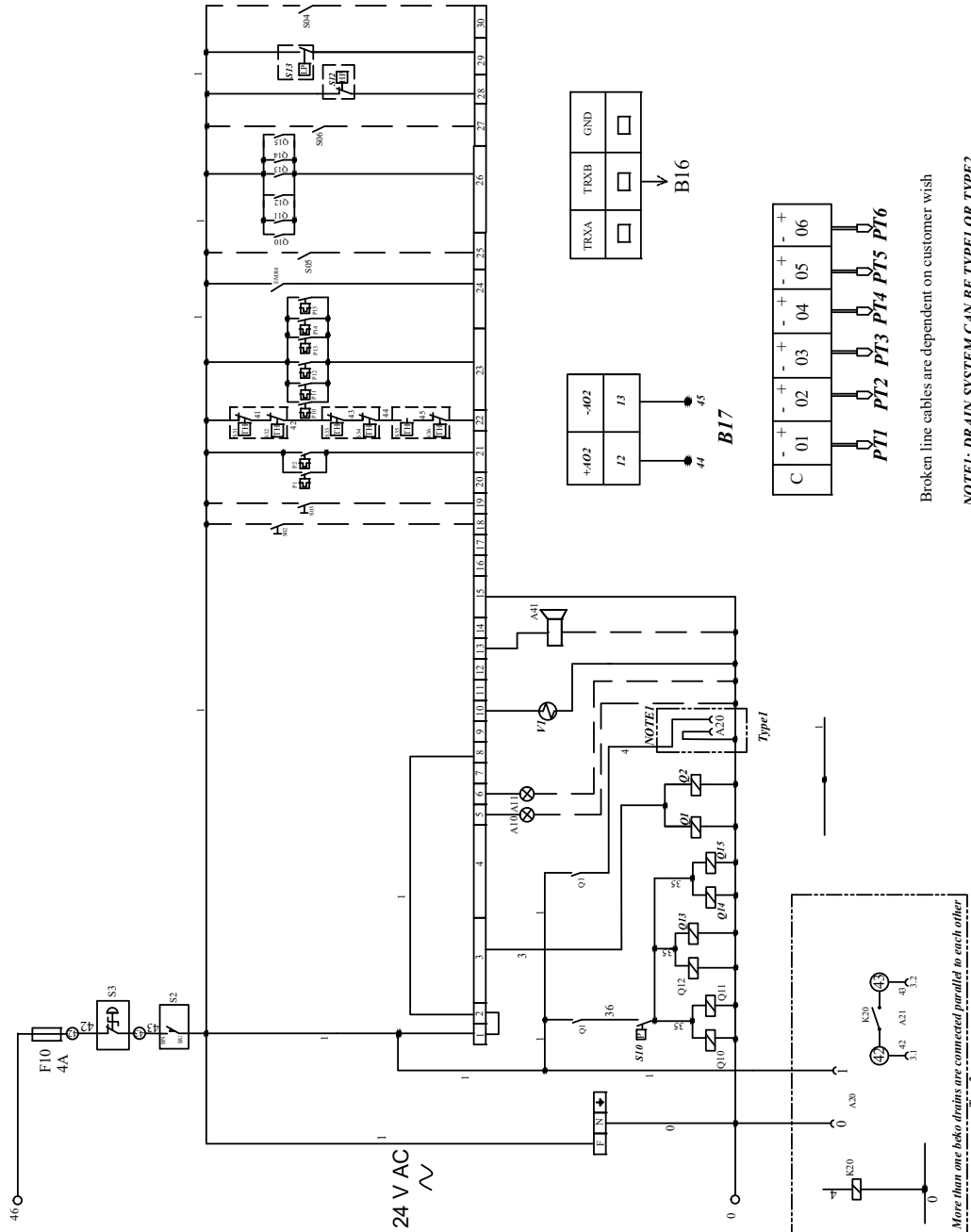
COMPRESSOR	FAN MOTOR
UN 460V/3/60	UN 460V/3/60
ODRD-3600 RLA 22.4A 7.75kW (x2)	ODRD-3600 RLA 1.85A 1.25kW (x3)
ODRD-4000 RLA 22.4A 7.80kW (x2)	ODRD-4000 RLA 1.85A 1.25kW (x3)

ELECTRICAL SUPPLY LINE	CABLES SIZE
3 PHASE + PROTECTION EARTH	4AWG3
	4AWG3

# 6.2 ELECTRICAL DIAGRAMS

## ODRD 5000 CONTROL

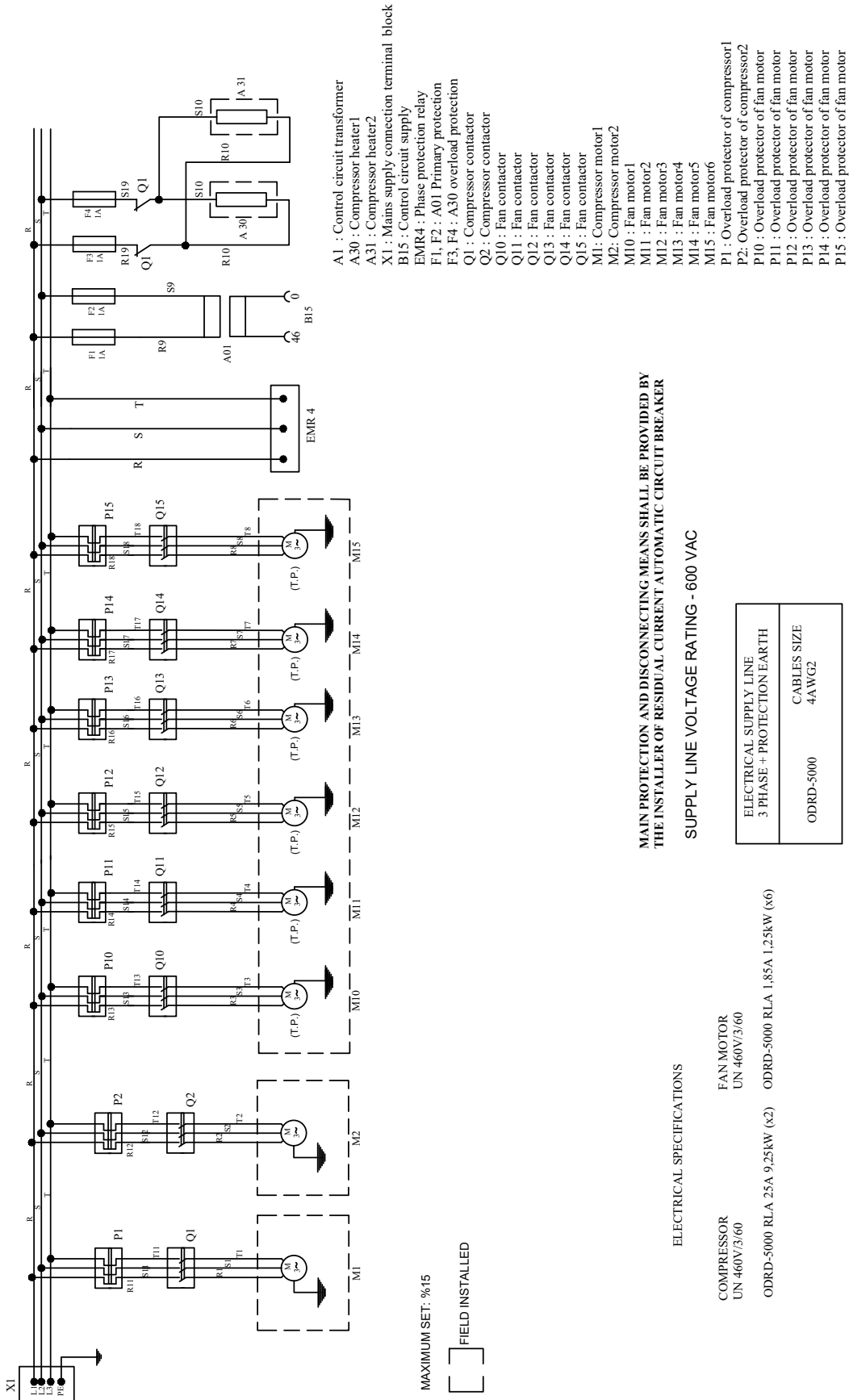
- F10, F11 : Control circuit protection
- S2: Limit Switch
- S5: Remote control start button
- S7: Remote control stop button
- S3 : Emergency Button
- P1 : Overload protector of compressor
- P2 : Overload protector of fan motor
- P10 : Overload protector of fan motor
- P11 : Overload protector of fan motor
- P12 : Overload protector of fan motor
- P13 : Overload protector of fan motor
- P14 : Overload protector of fan motor
- P15 : Overload protector of fan motor
- S31: Fan heat thermal 1
- S32: Fan heat thermal 2
- S33: Fan heat thermal 3
- S34: Fan heat thermal 4
- S35: Fan heat thermal 5
- S36: Fan heat thermal 6
- EMR4 : Phase protection relay
- S8 : Remote control contact
- S9 : Obstruction for manual on/off
- S15 : Service contact
- S10 : Fan pressure switch
- S12 : High Pressure safety switch
- S13 : Low Pressure safety switch
- Q1 : Compressor motor contactor
- Q2 : Compressor motor contactor
- Q10 : Fan motor contactor
- Q11 : Fan motor contactor
- Q12 : Fan motor contactor
- Q13 : Fan motor contactor
- Q14 : Fan motor contactor
- Q15 : Fan motor contactor
- V1: Bypass Valve
- A20 : Electronic timer-drain supply (Optional)
- K20: Drain supply test relay
- A21: Drain test
- A11 : Remote control running lamp (green)
- A13 : 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 outlet temperature sensor (PT100)
- B16 : Computer/Communication connection (RS 485)
- B17 : Dew point analog output (4-20mA/0-100 C)
- HP indicates high pressure
- LP indicates low pressure
- TH indicates thermal



Broken line cables are dependent on customer wish  
**NOTE: DRAIN SYSTEM CAN BE TYPE1 OR TYPE2**

# 6.2 ELECTRICAL DIAGRAMS

## ODRD 5000 POWER

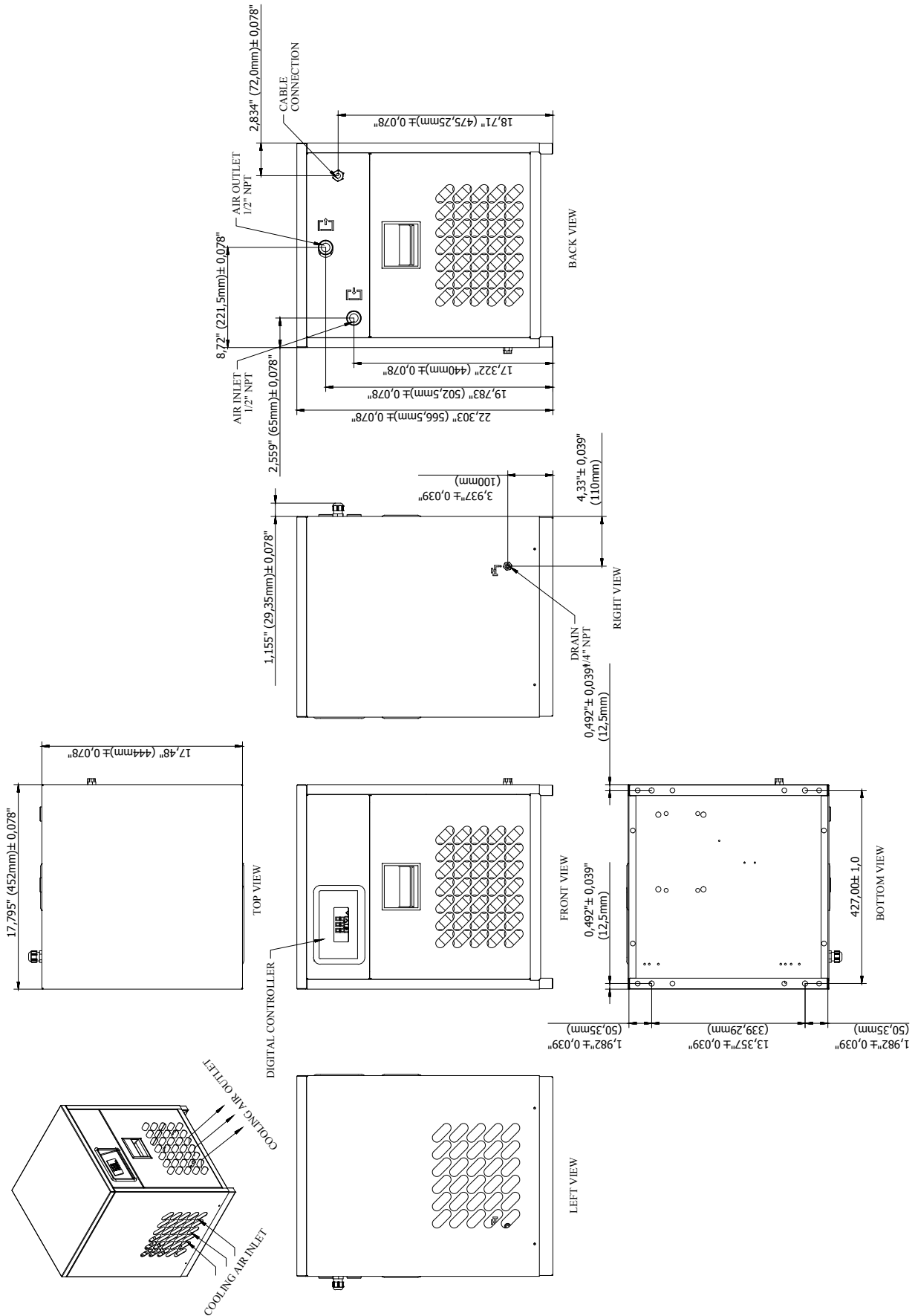




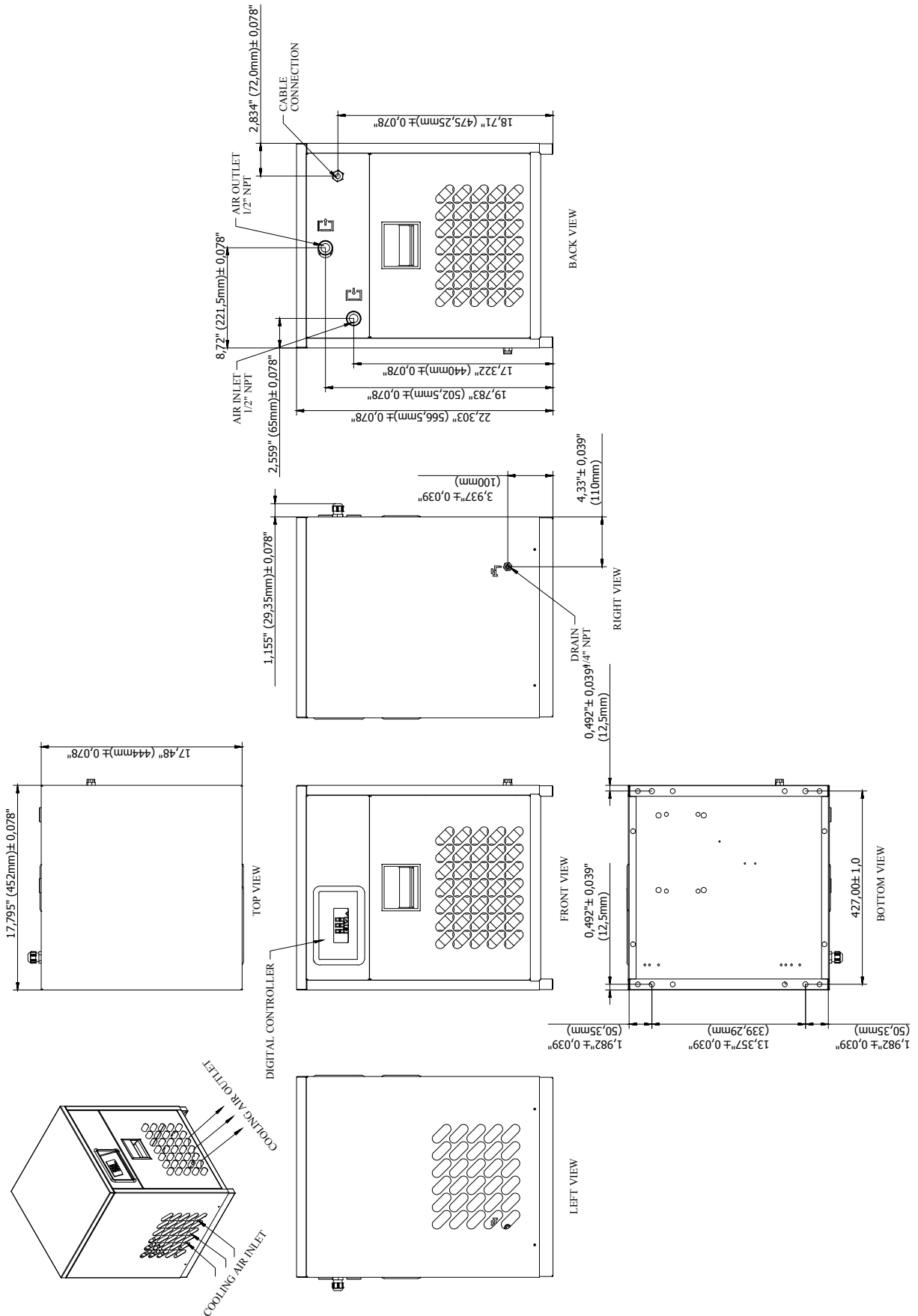
## 8. ODRD

# ID DIAGRAM DRAWINGS & GENERAL ARRANGEMENTS

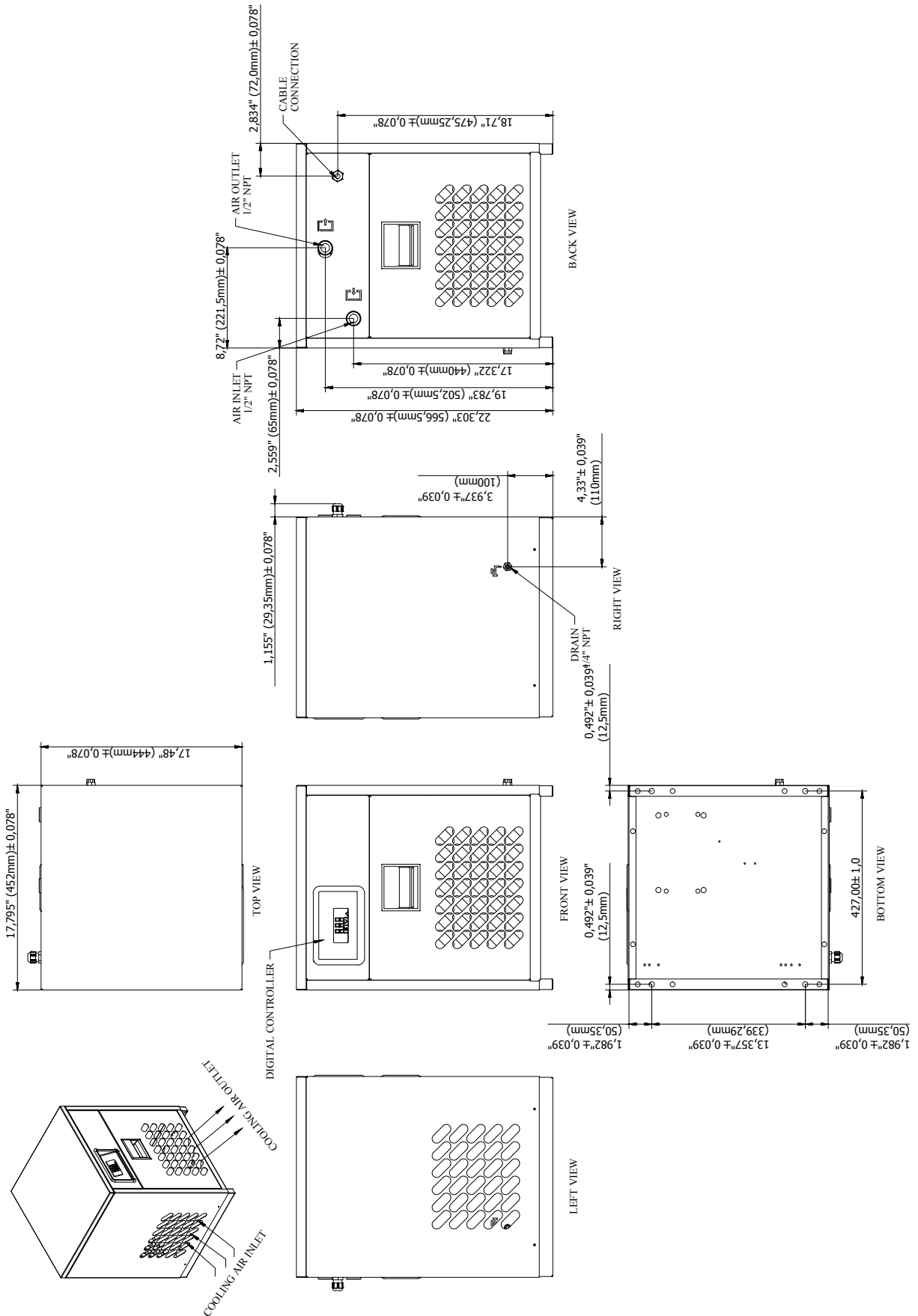
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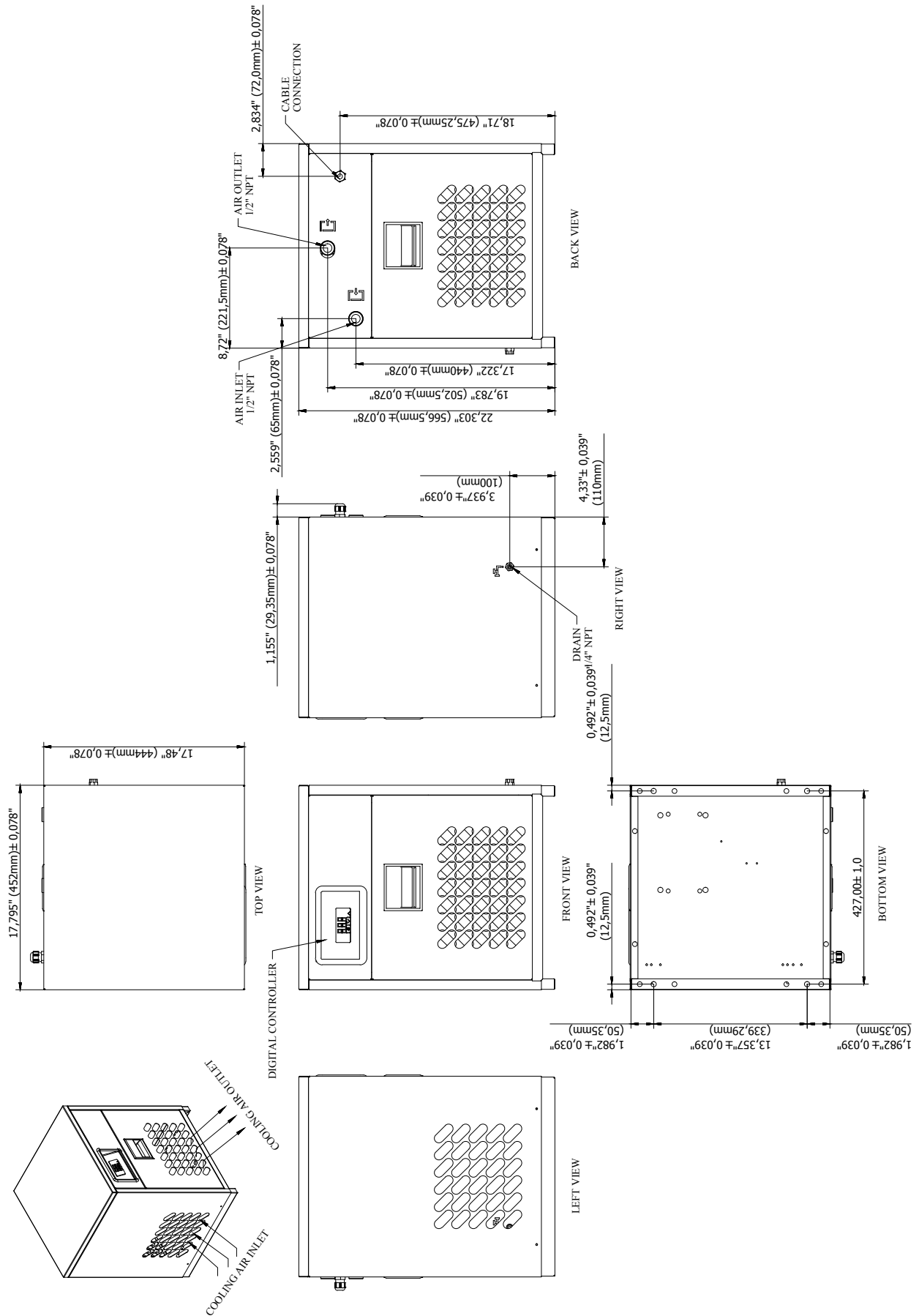
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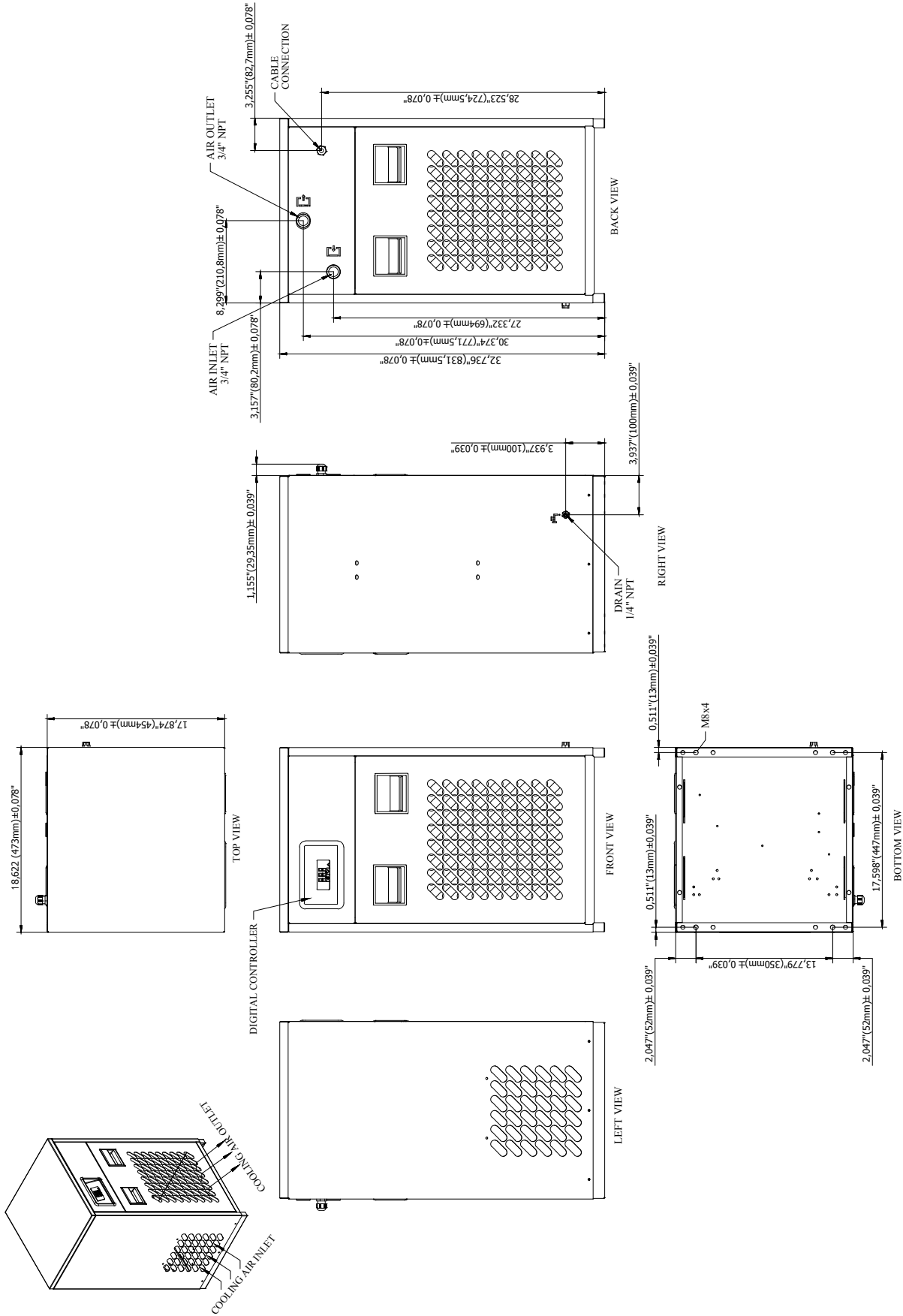
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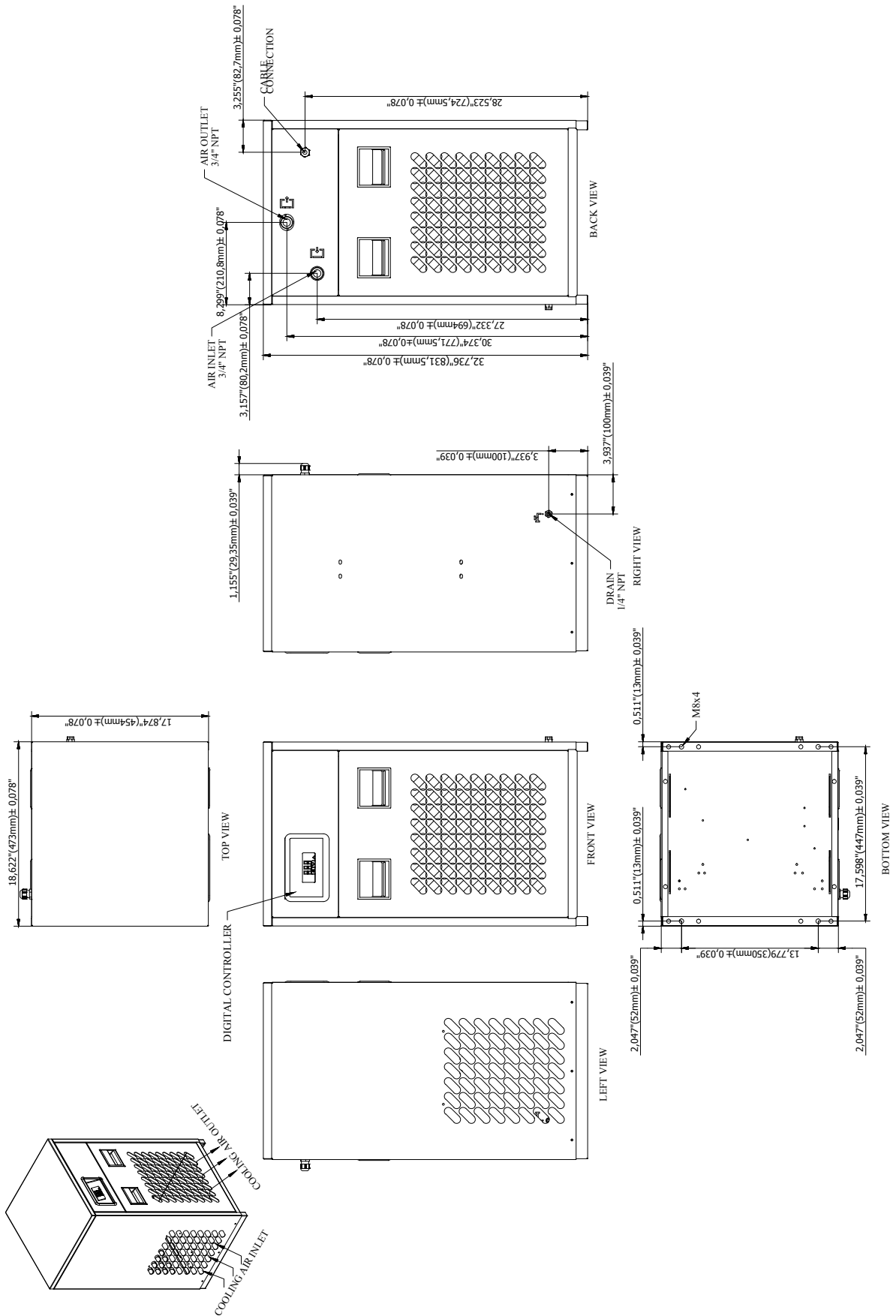
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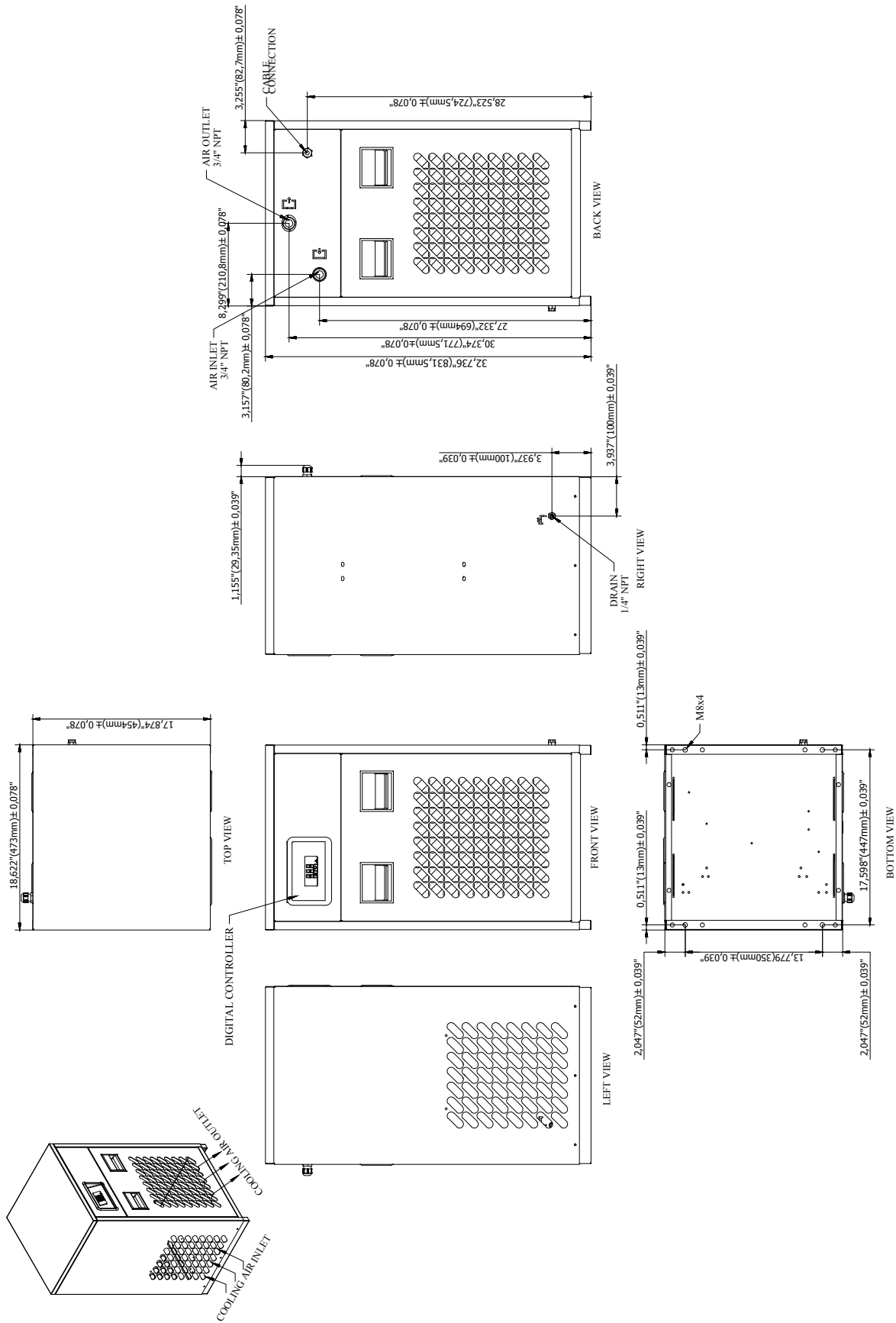
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## 6.3 ID DIAGRAM DRAWINGS ODRD 60

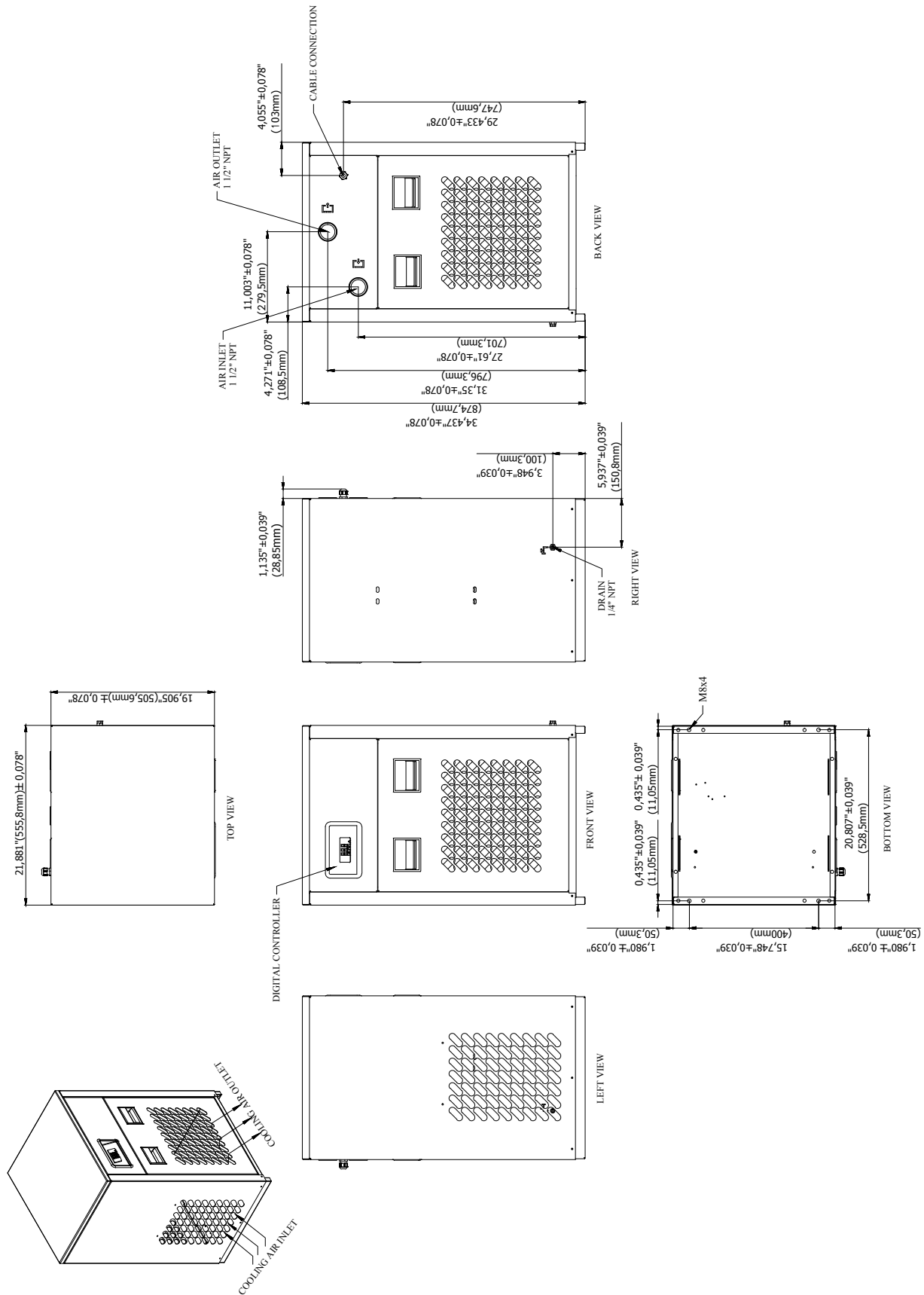


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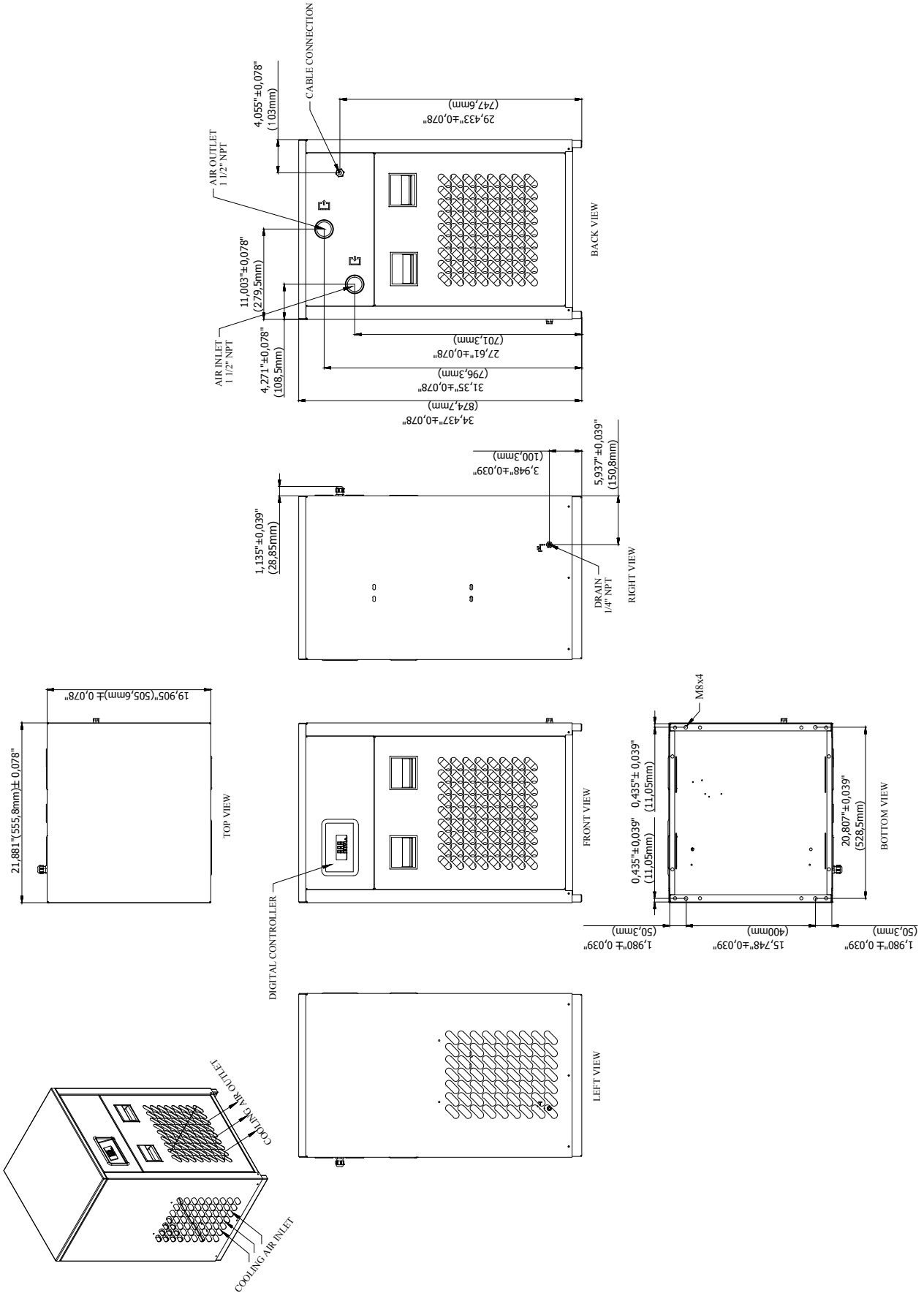




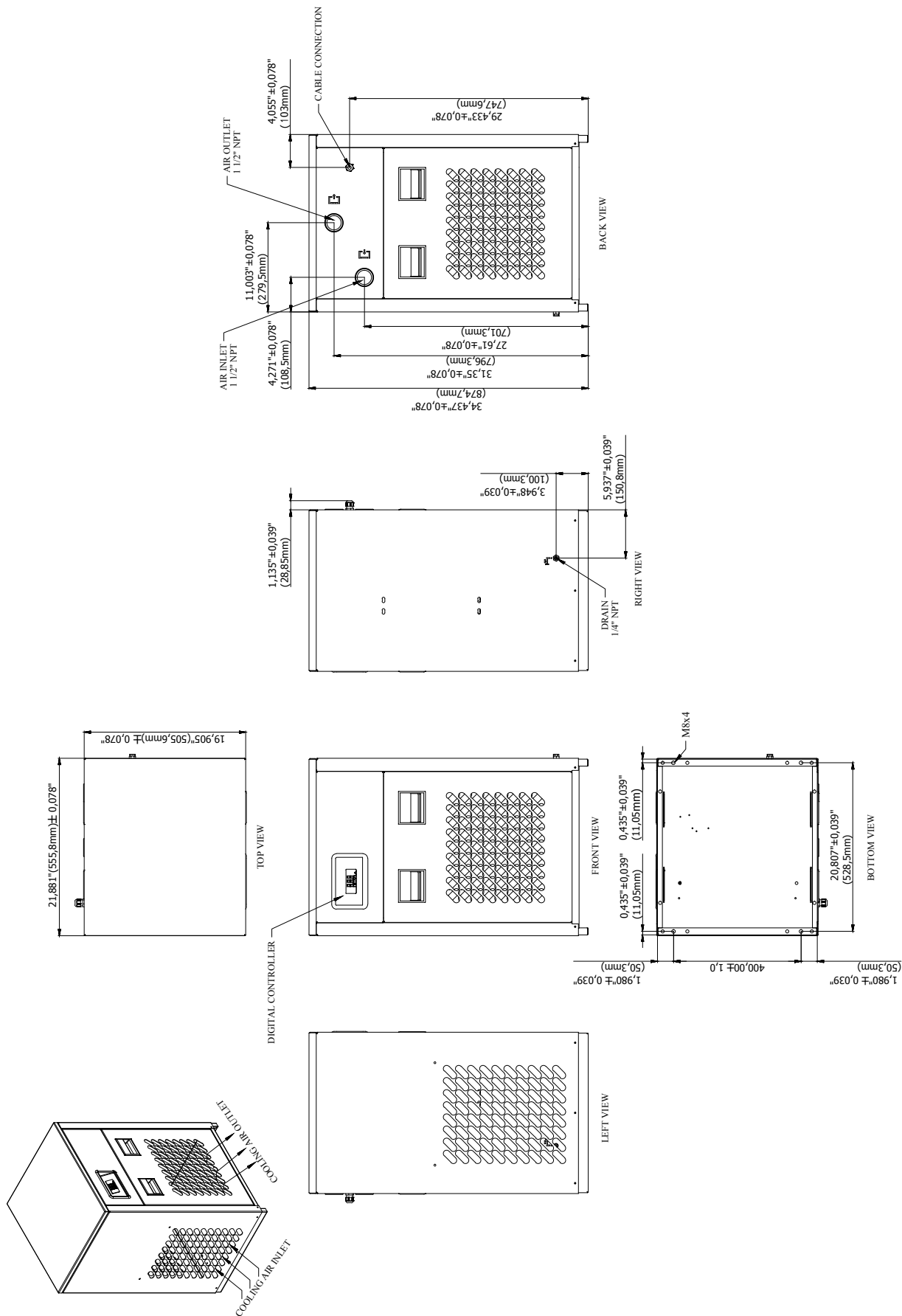
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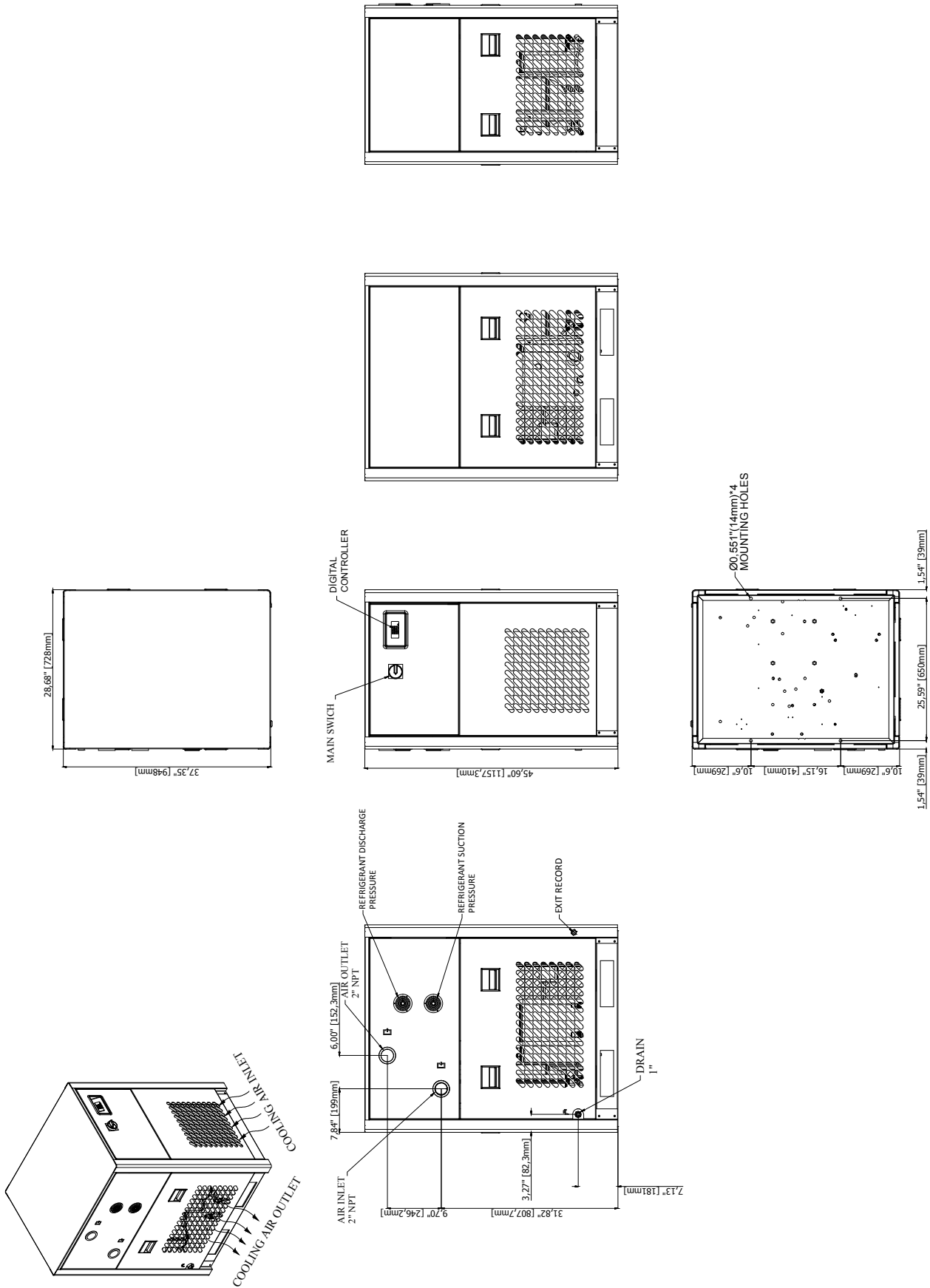
## 6.3 ID DIAGRAM DRAWINGS ODRD 125



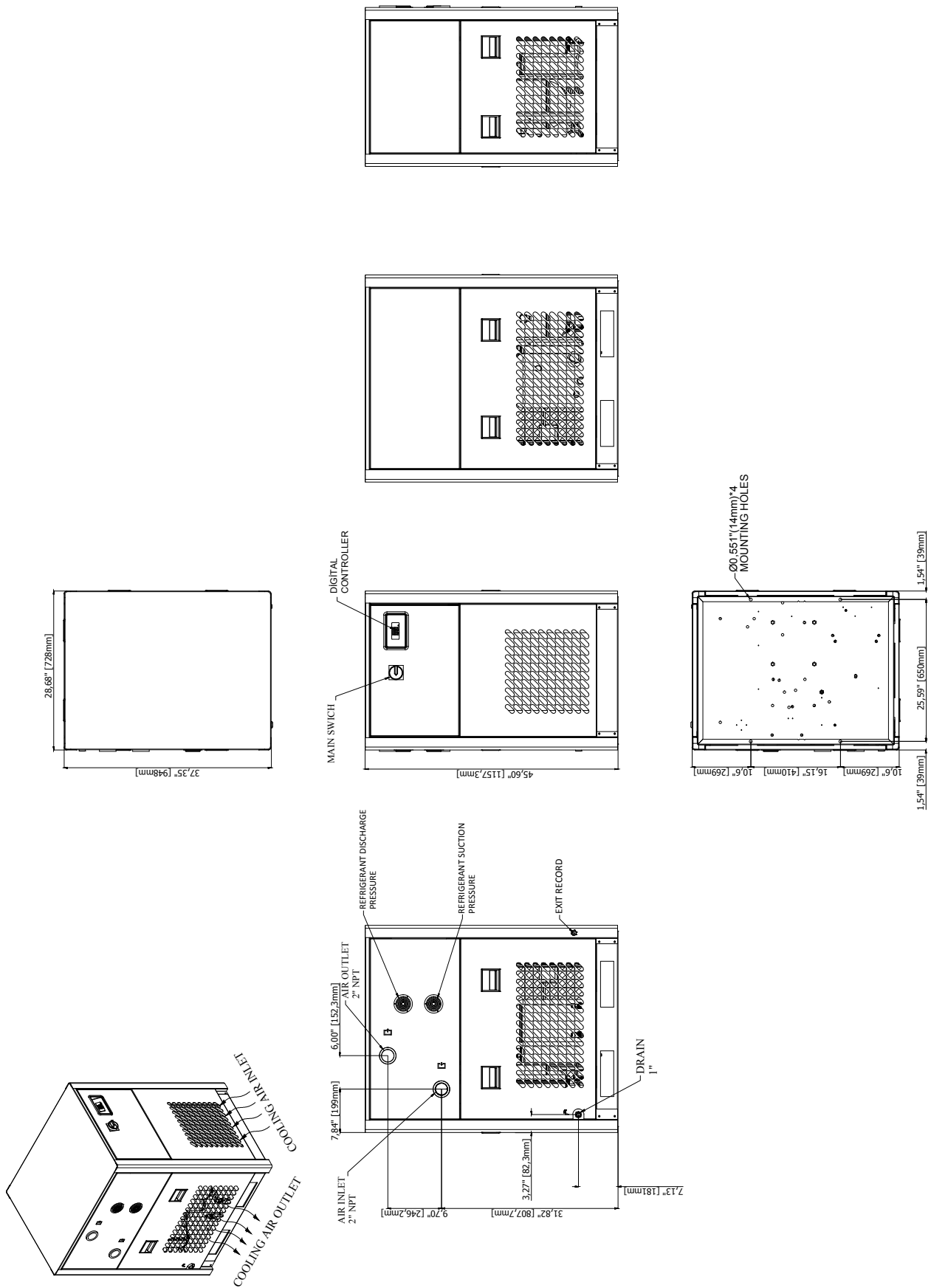
## 6.3 ID DIAGRAM DRAWINGS ODRD 140



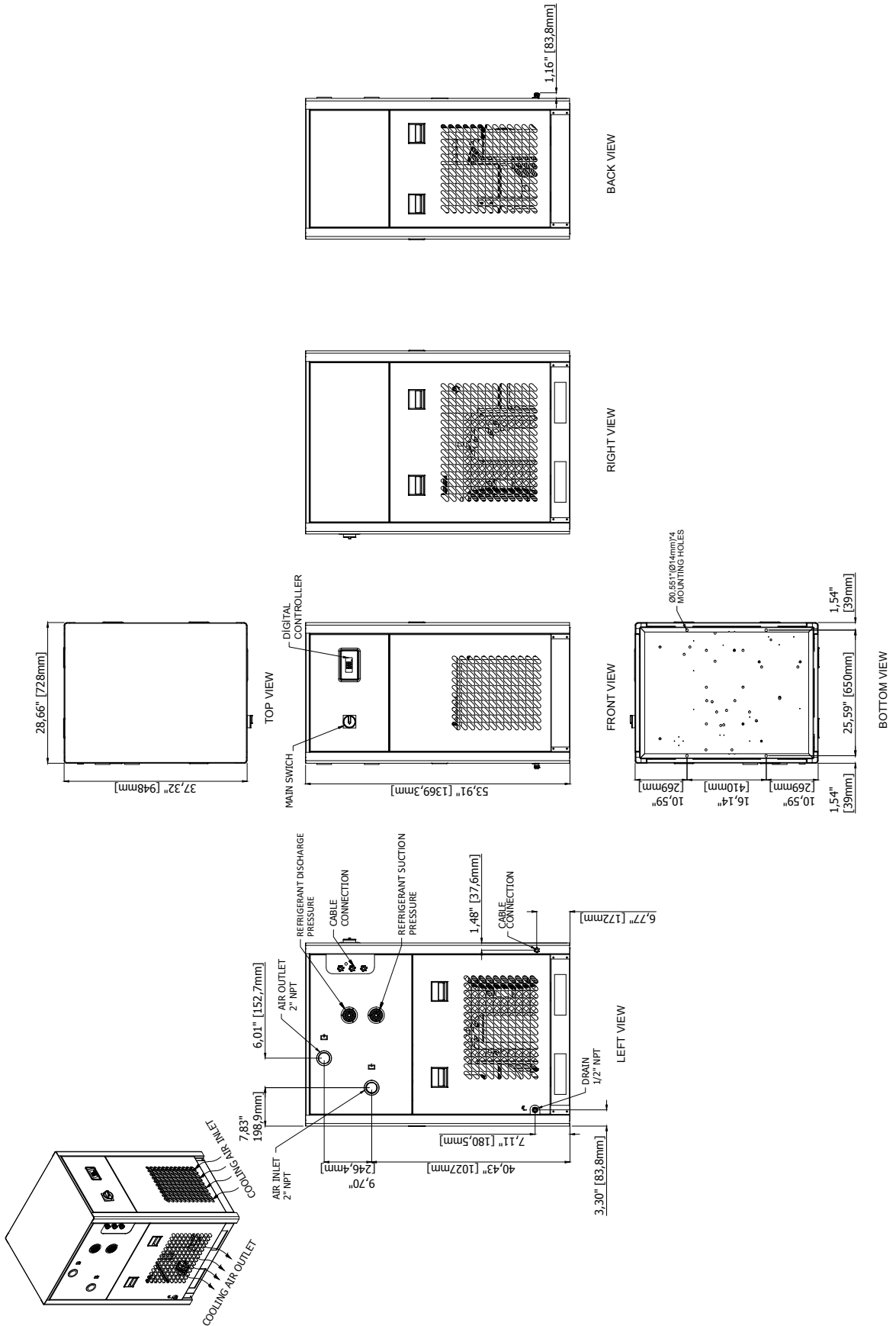
## 6.3 ID DIAGRAM DRAWINGS ODRD 175



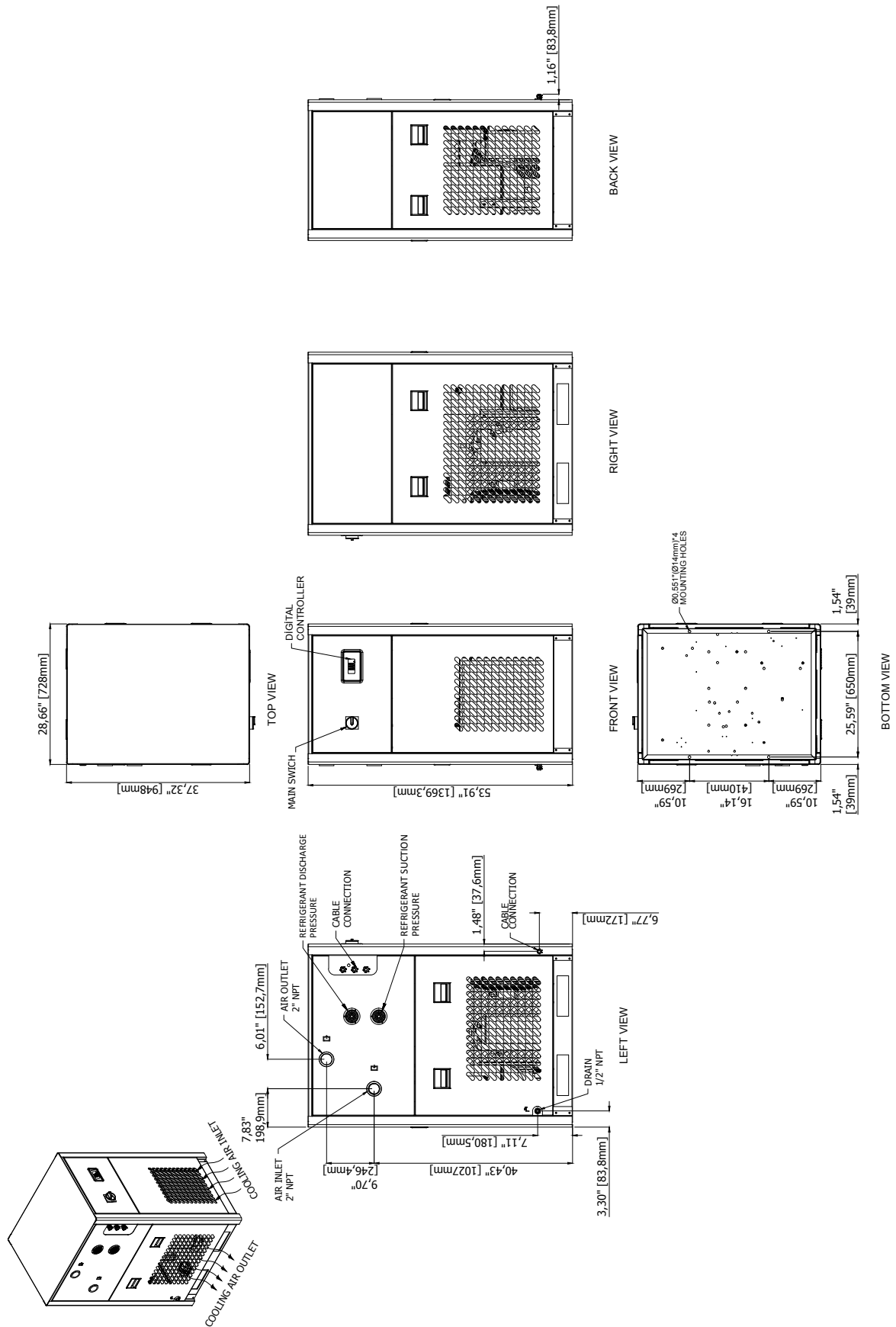
## 6.3 ID DIAGRAM DRAWINGS ODRD 200



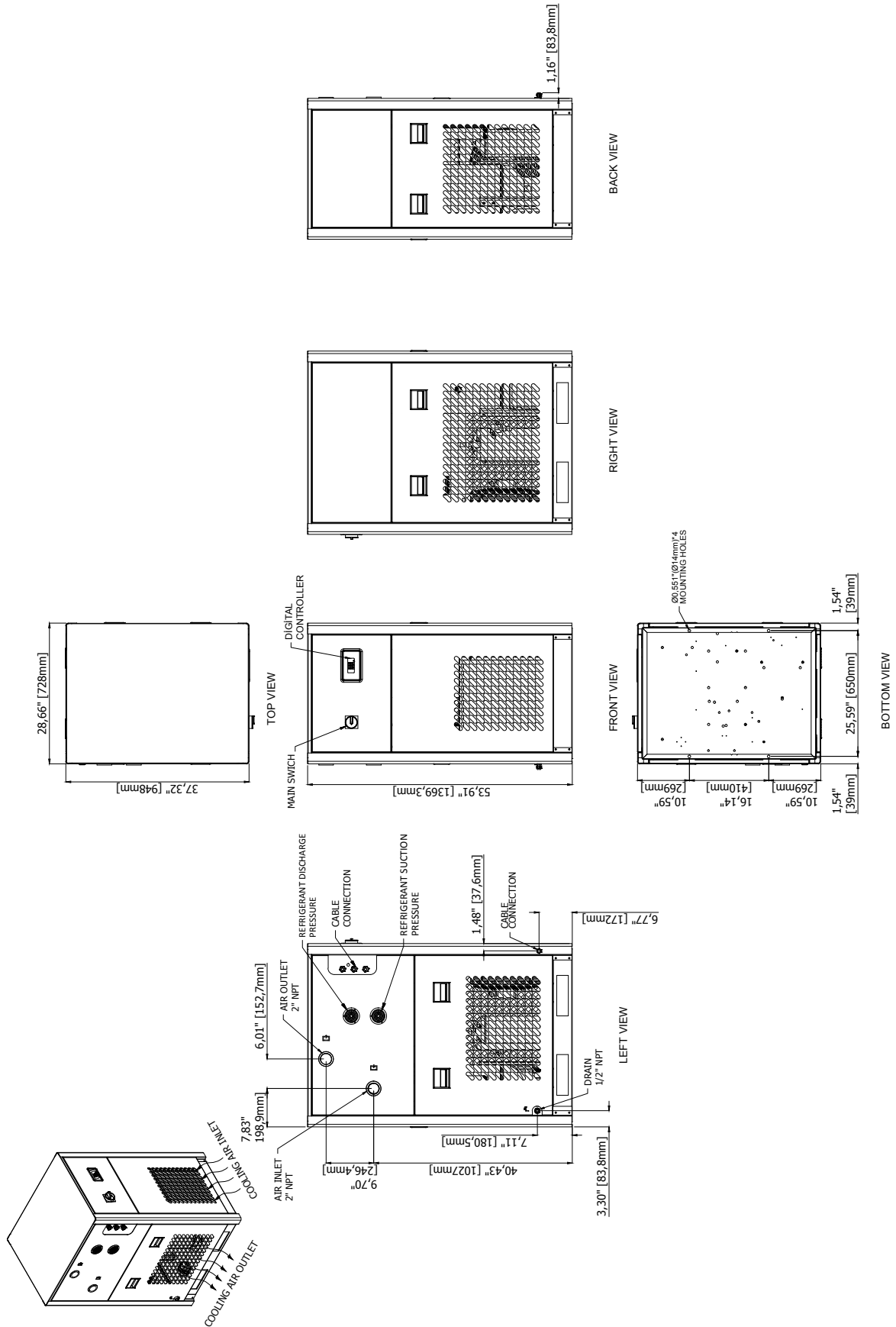
# 6.3 ID DIAGRAM DRAWINGS ODRD 250



## 6.3 ID DIAGRAM DRAWINGS ODRD 350

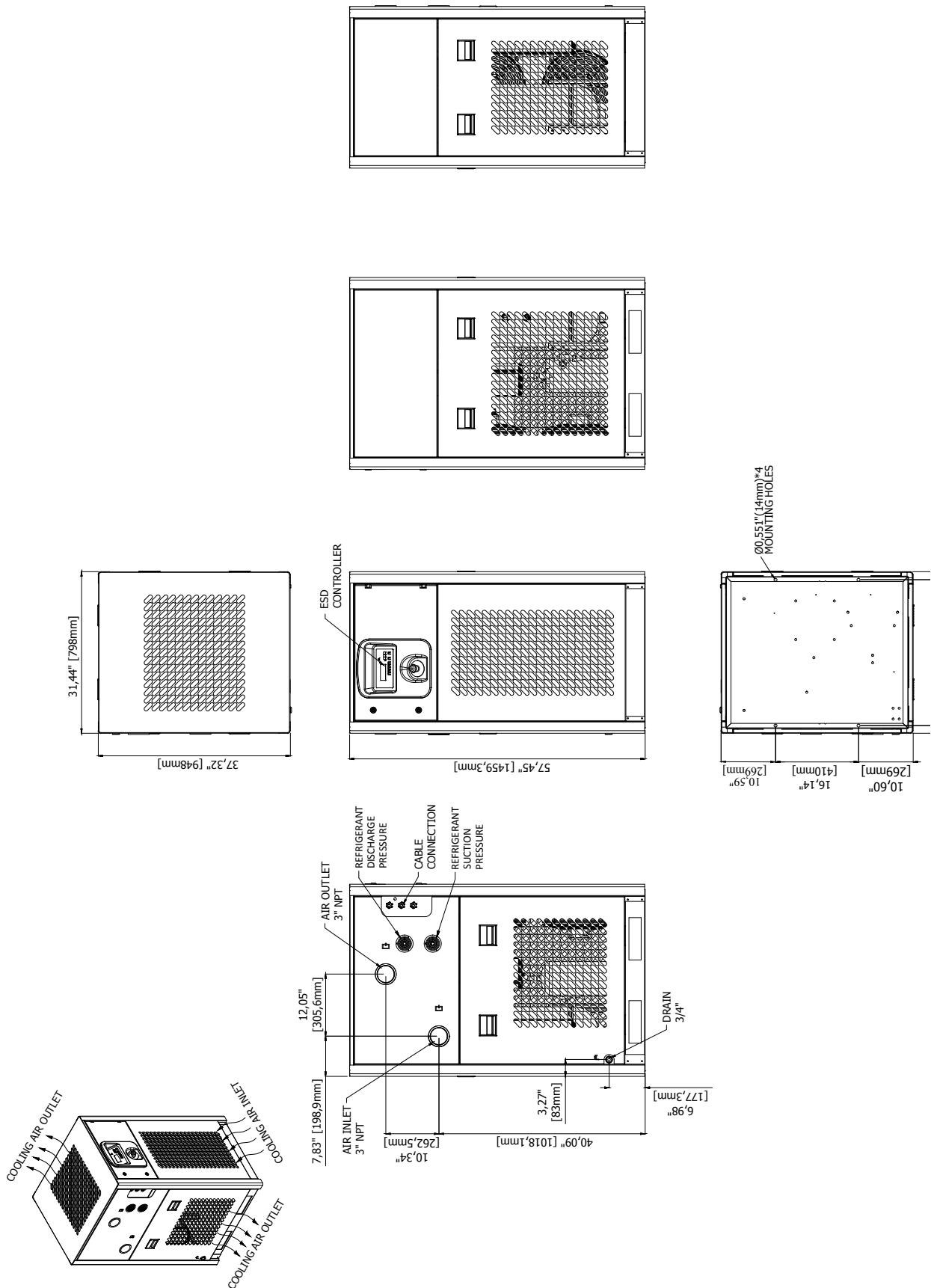


## 6.3 ID DIAGRAM DRAWINGS ODRD 425

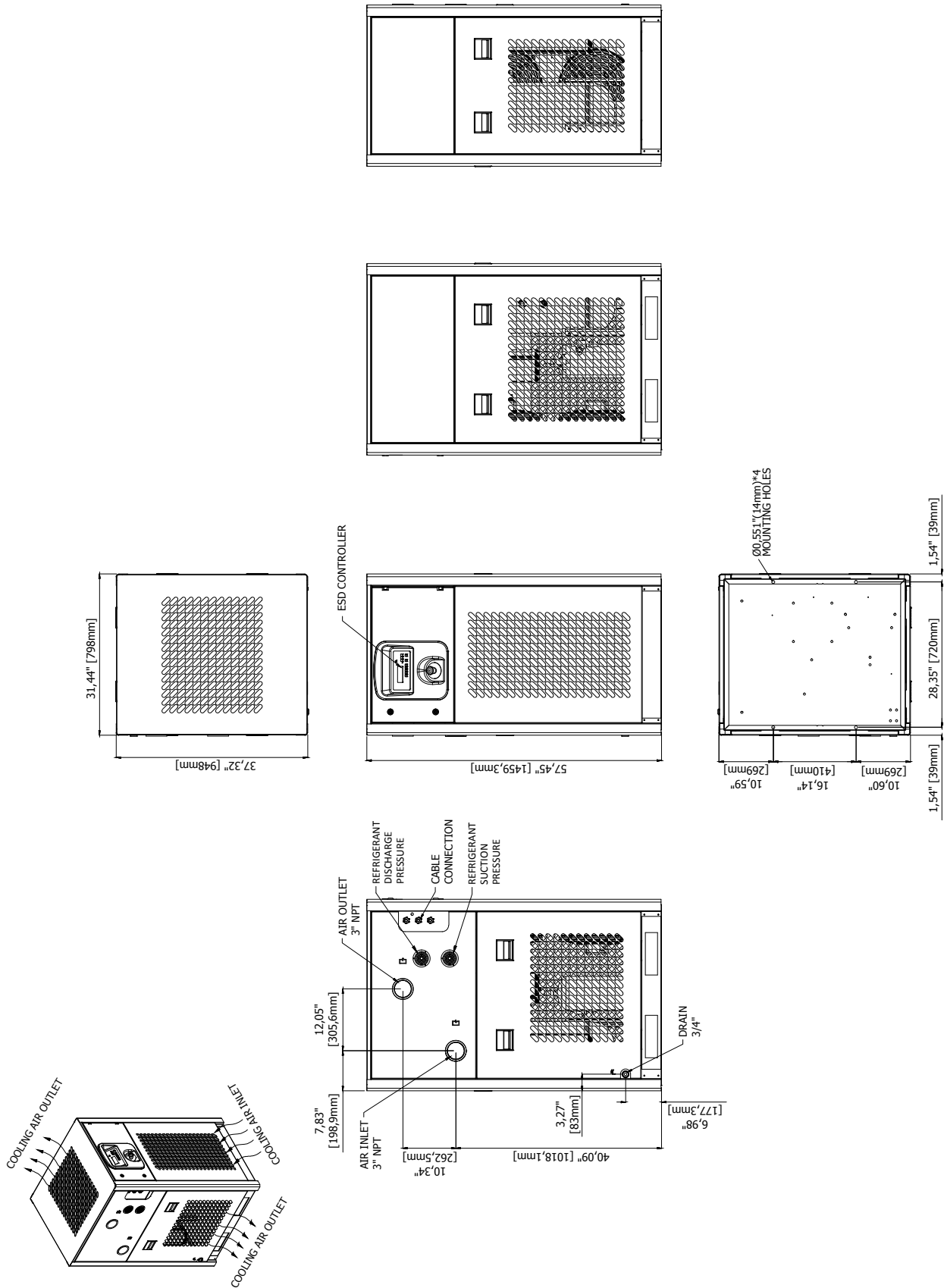




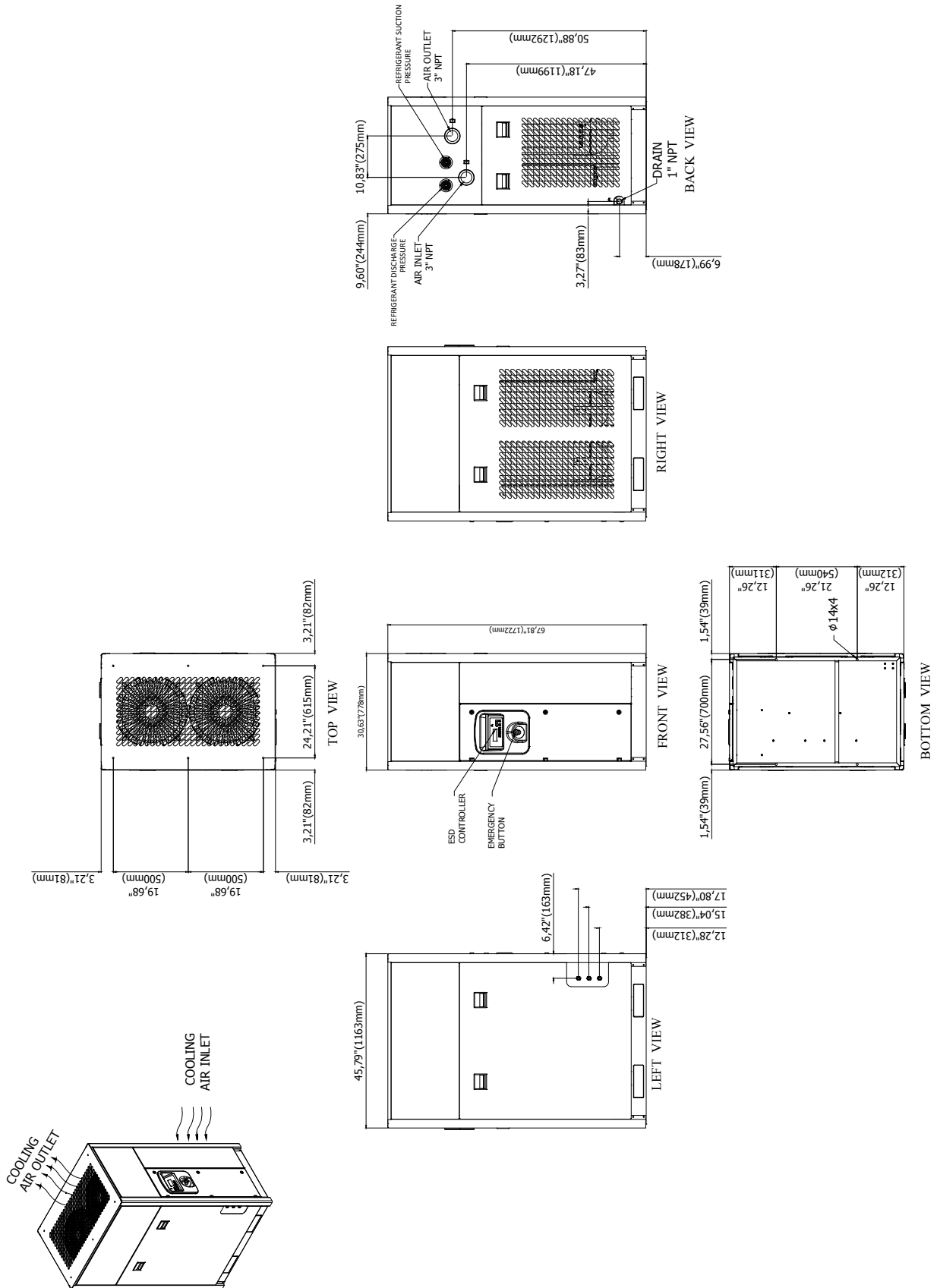
## 6.3 ID DIAGRAM DRAWINGS ODRD 550



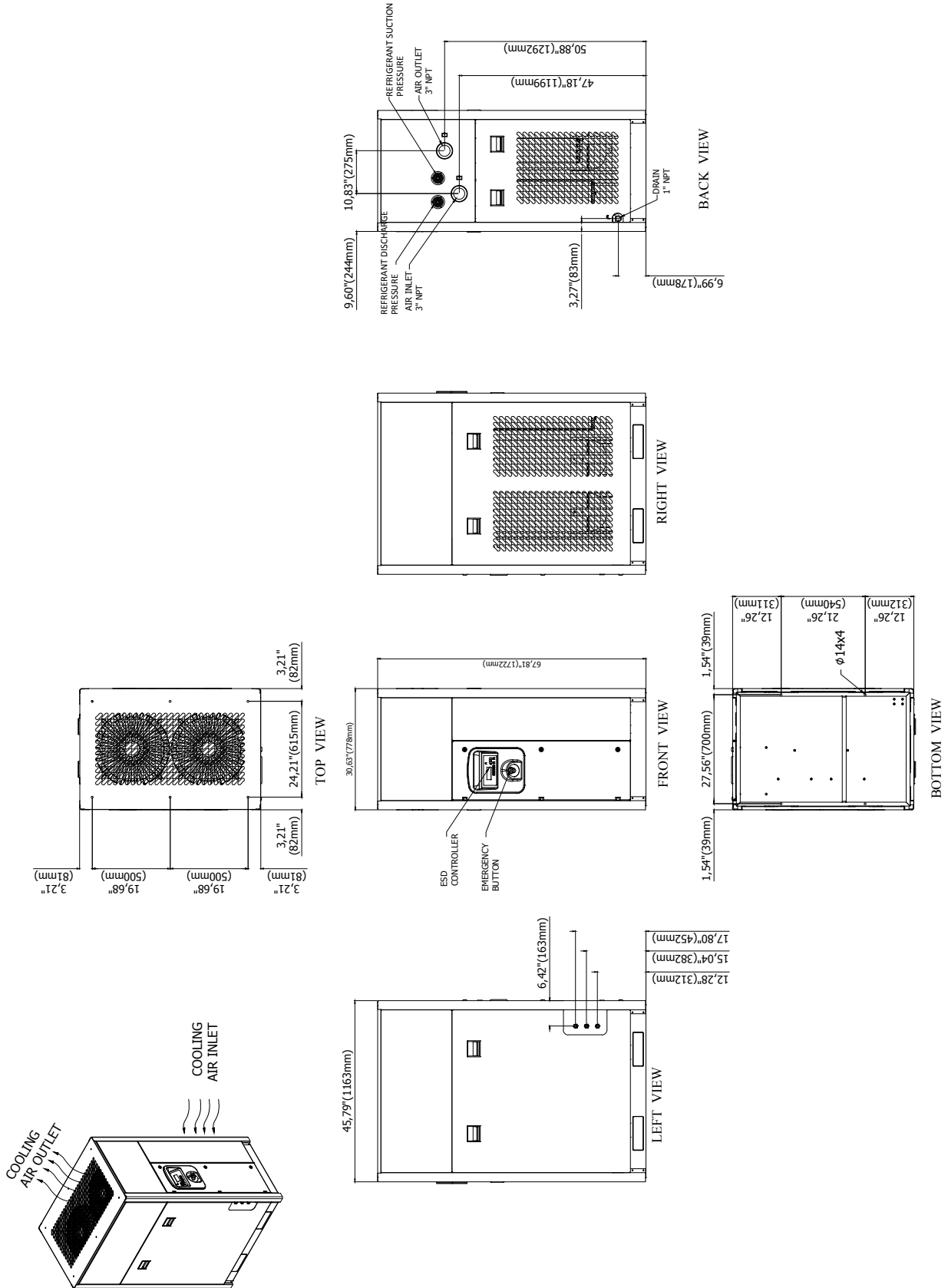
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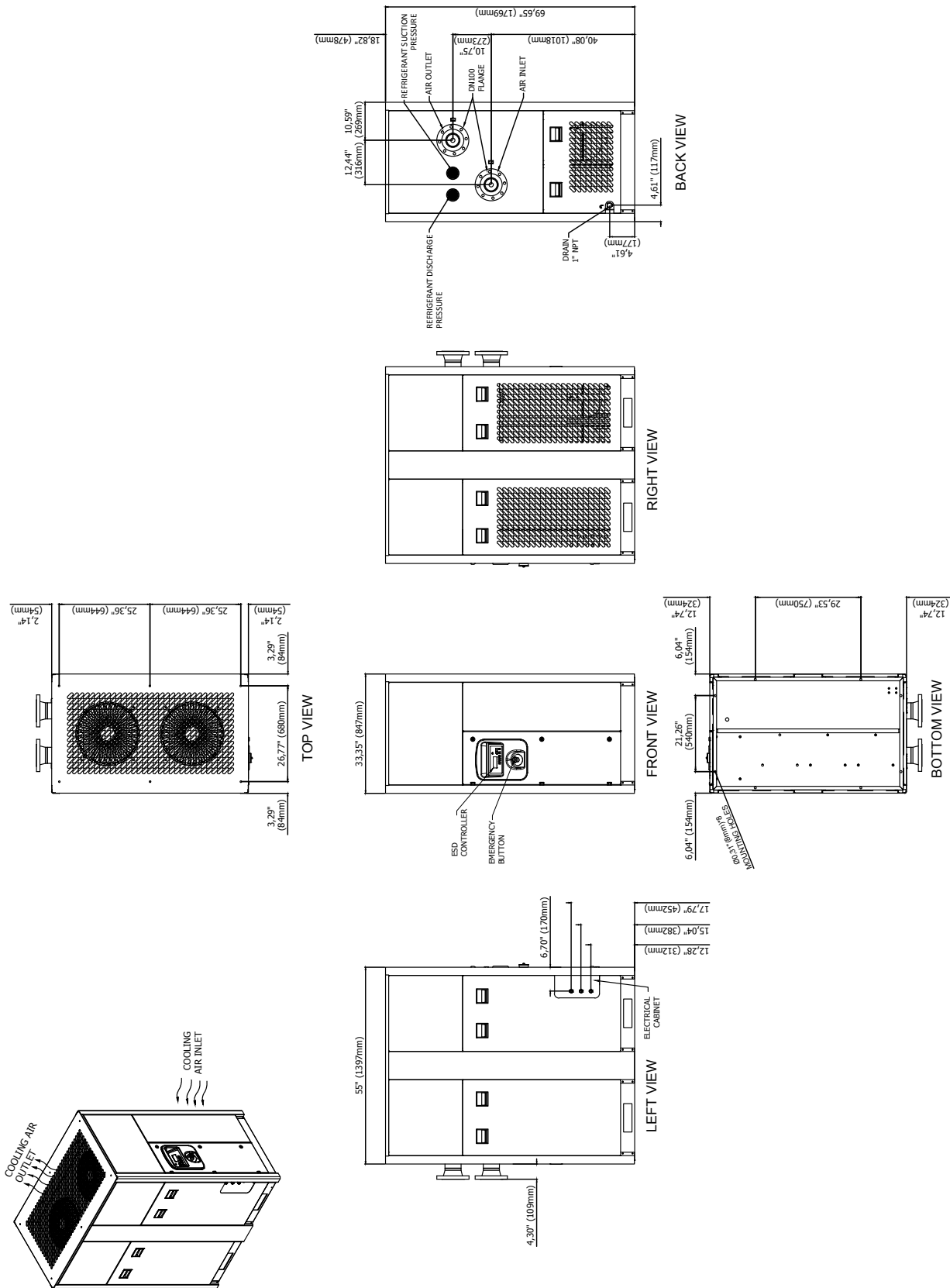
# 6.3 ID DIAGRAM DRAWINGS ODRD 900



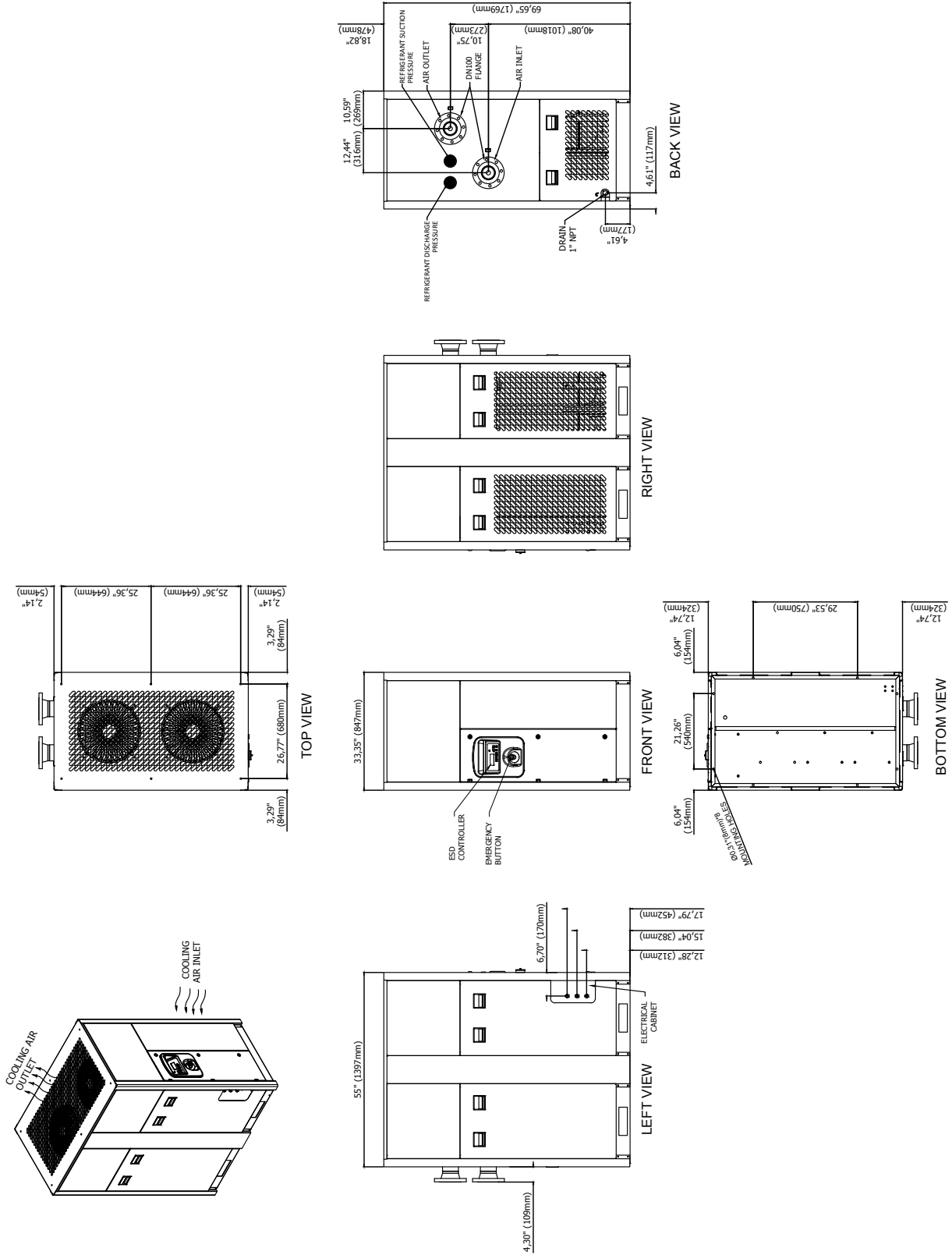
# 6.3 ID DIAGRAM DRAWINGS ODRD 1100



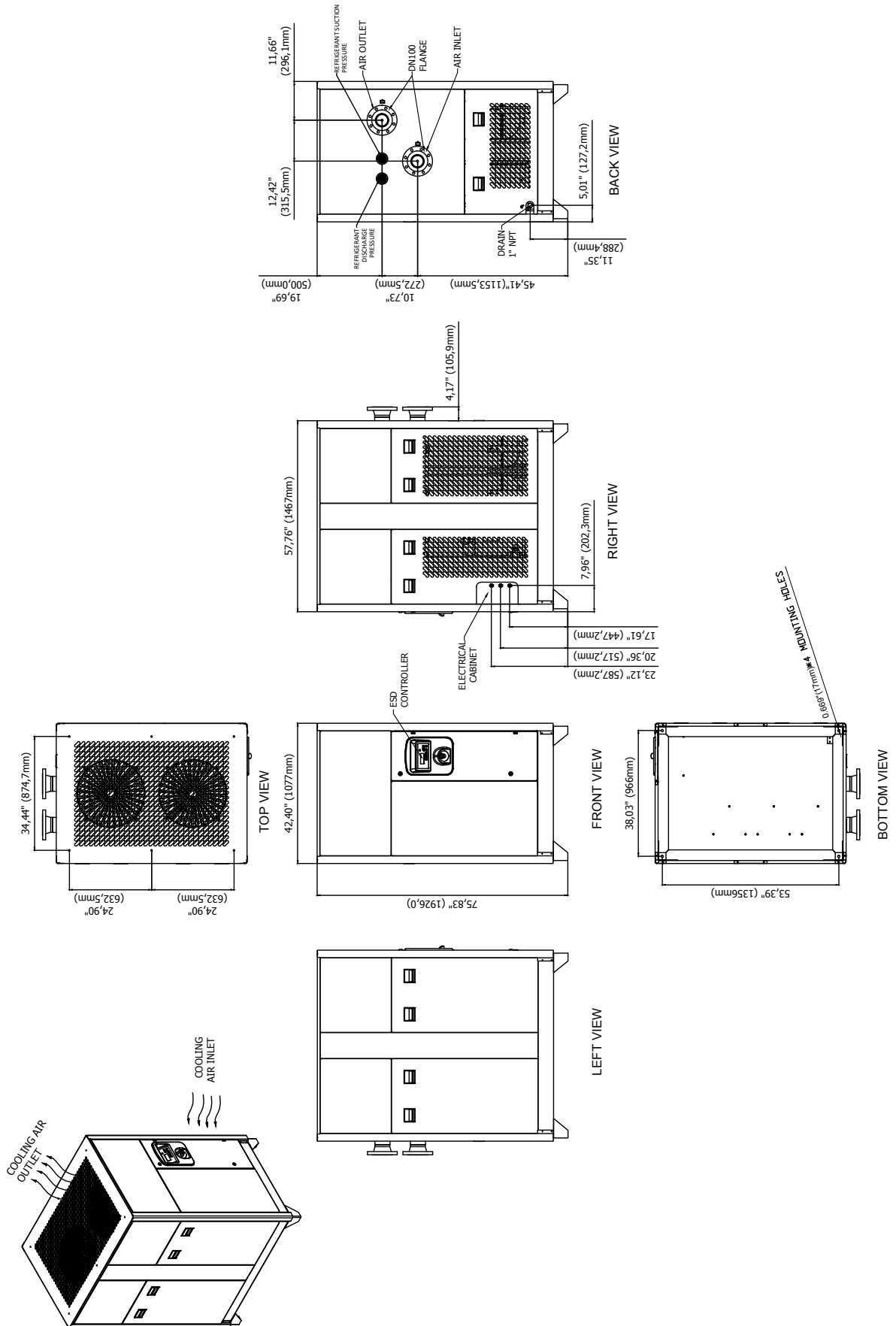
# 6.3 ID DIAGRAM DRAWINGS ODRD 1350



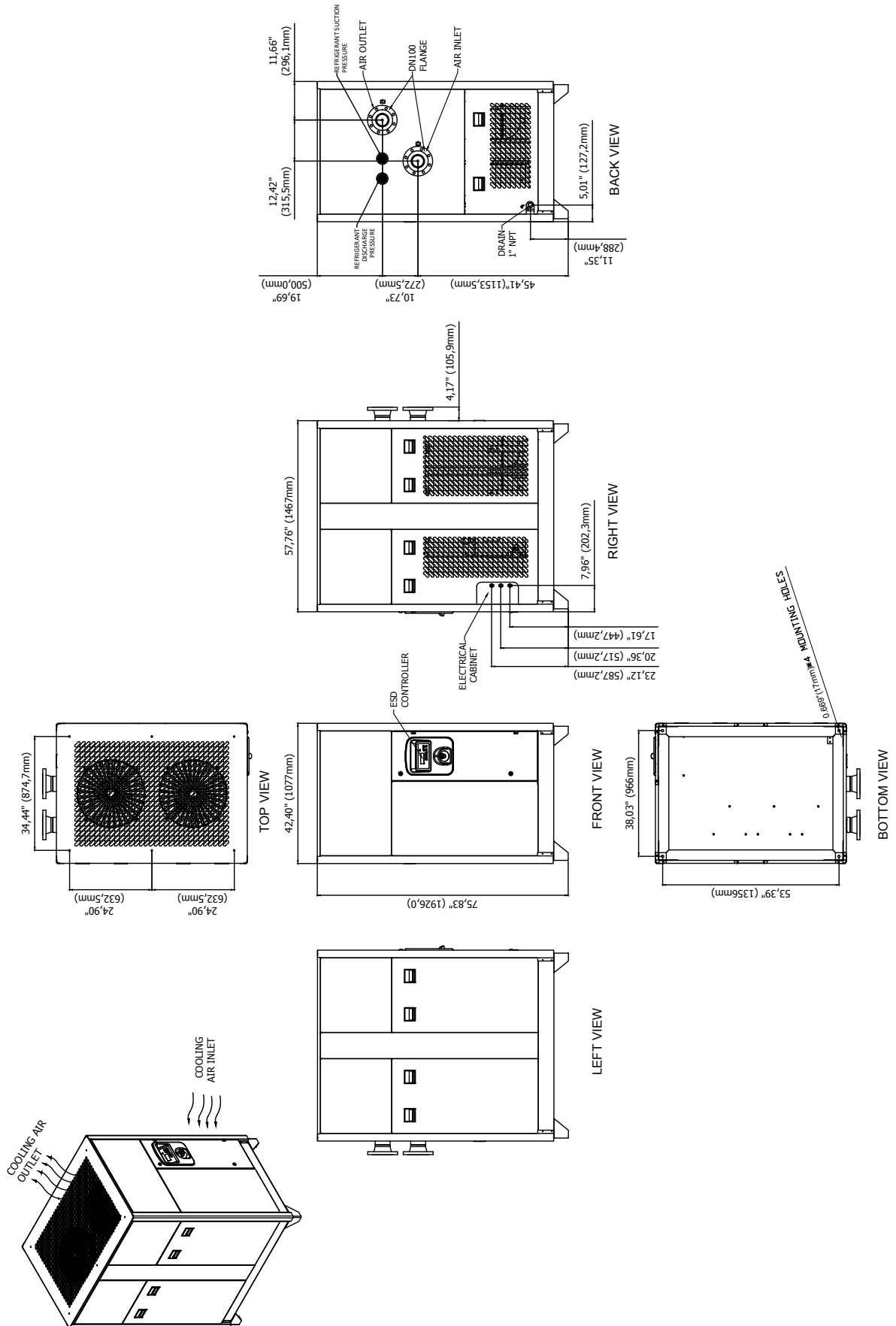
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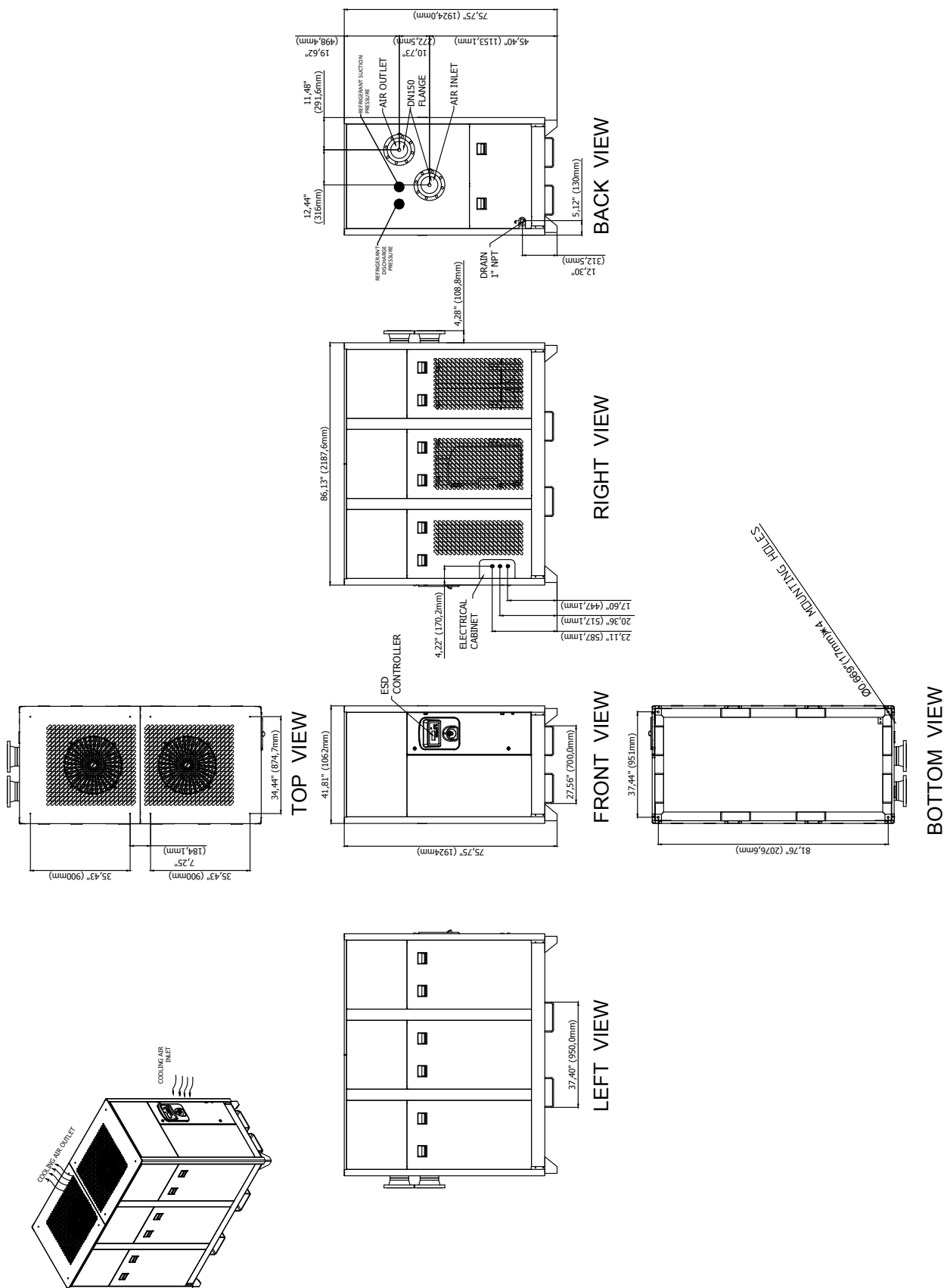


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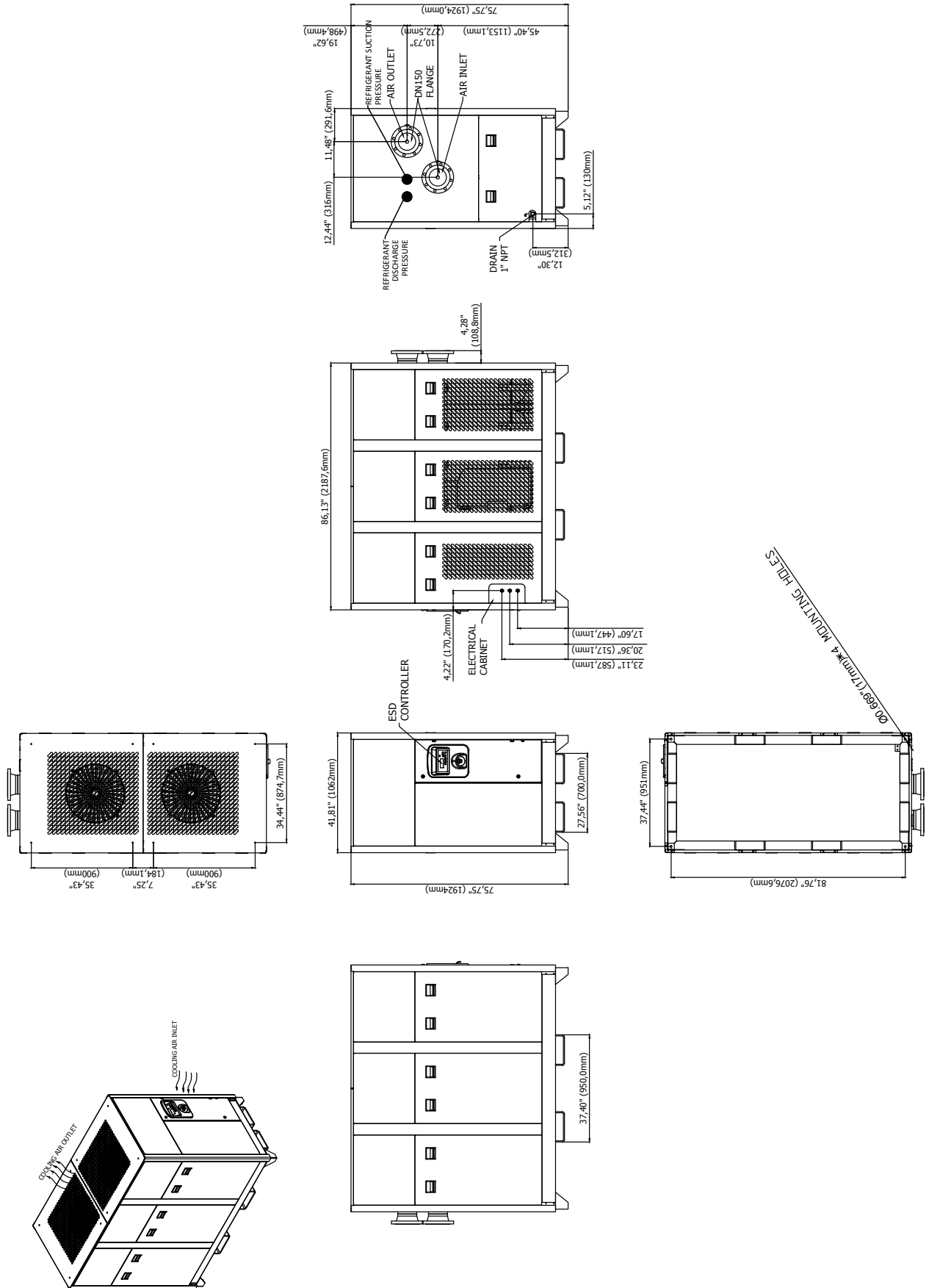




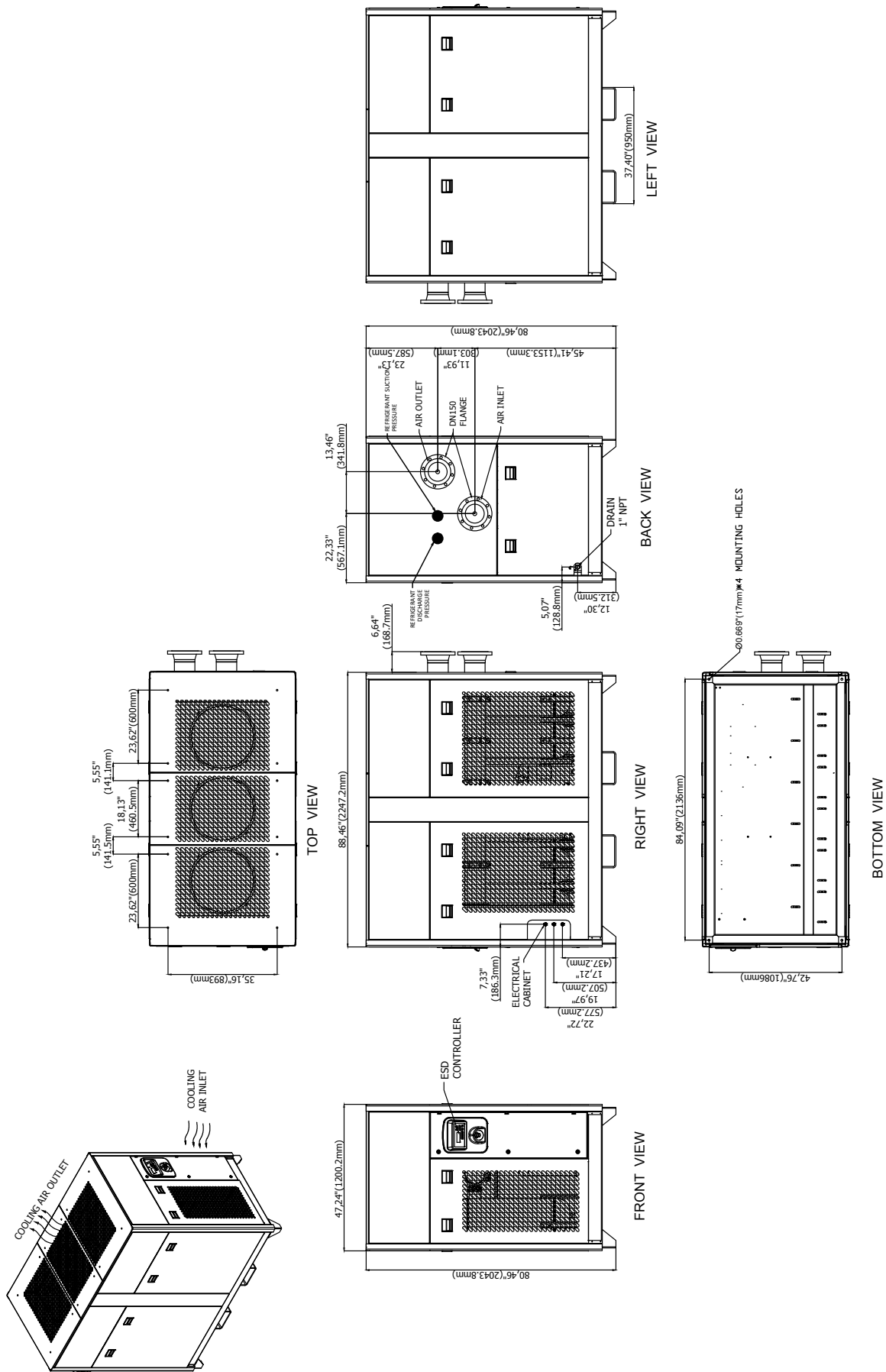
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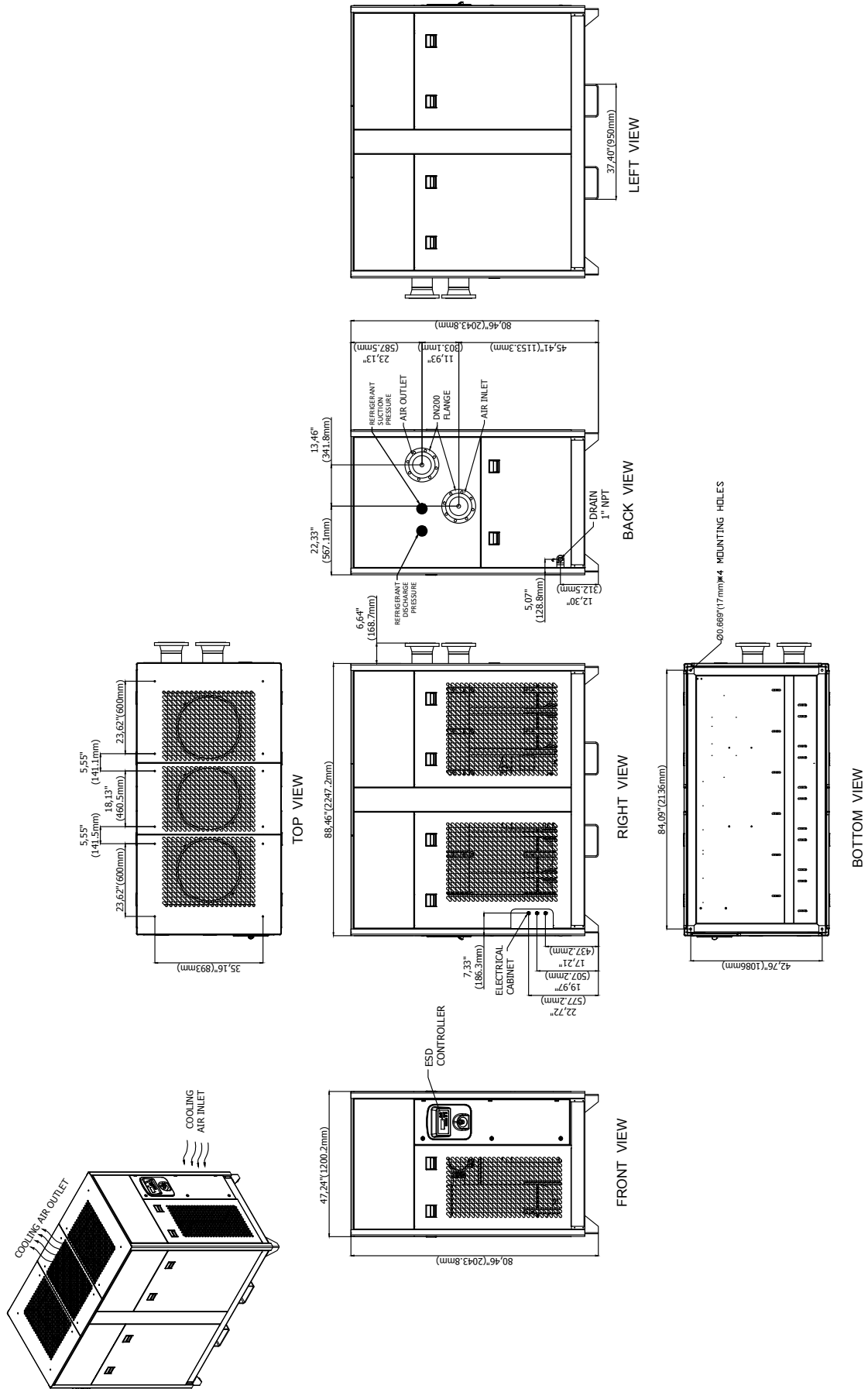
## 6.3 ID DIAGRAM DRAWINGS ODRD 3000



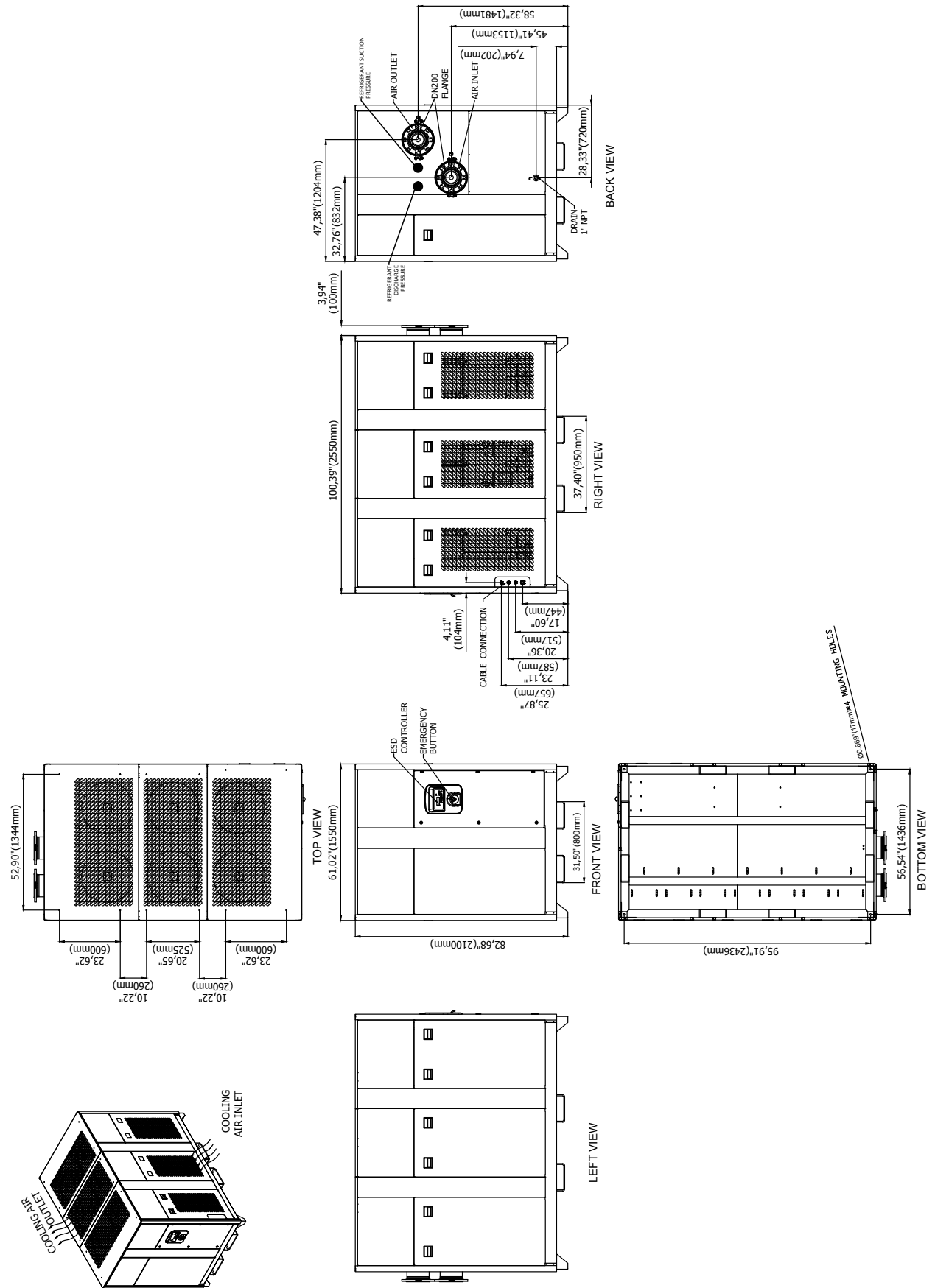
# 6.3 ID DIAGRAM DRAWINGS ODRD 3600



# 6.3 ID DIAGRAM DRAWINGS ODRD 4000



# 6.3 ID DIAGRAM DRAWINGS ODRD 5000



## 7.GENERAL ARRANGEMENTS

Model	Filter Quantity and Type			Element Type	Length (inch)	Width (inch)	Height (inch)	Weight (lbs)
ODRD 10	Pre Filter X / Post Filter (Y) Included			ODD 27 KIT	17,5	17,8	22,3	70,40
ODRD 15	Pre Filter X / Post Filter (Y) Included			ODD 27 KIT	17,5	17,8	22,3	70,40
ODRD 25	Pre Filter X / Post Filter (Y) Included			ODD 27 KIT	17,5	17,8	22,3	70,40
ODRD 30	Pre Filter X / Post Filter (Y) Included			ODD 41 KIT	17,5	17,8	22,3	77,00
ODRD 35	Pre Filter X / Post Filter (Y) Included			ODD 90 KIT	17,8	18,6	32,7	112,20
ODRD 60	Pre Filter X / Post Filter (Y) Included			ODD 90 KIT	17,8	18,6	32,7	116,60
ODRD 75	Pre Filter X / Post Filter (Y) Included			ODD 90 KIT	17,8	18,6	32,7	121,00
ODRD 100	Pre Filter X / Post Filter (Y) Included			ODD 300 KIT	19,9	21,8	34,4	171,60
ODRD 125	Pre Filter X / Post Filter (Y) Included			ODD 300 KIT	19,9	21,8	34,4	182,60
ODRD 140	Pre Filter X / Post Filter (Y) Included			ODD 300 KIT	19,9	21,8	34,4	189,20
ODRD 175	Pre Filter X / Post Filter (Y) Included			ODD 500 KIT	37,3	28,7	45,6	352,00
ODRD 200	Pre Filter X / Post Filter (Y) Included			ODD 700 KIT	37,3	28,7	45,6	363,00
ODRD 250	Pre Filter X / Post Filter (Y) Included			ODD 700 KIT	37,3	28,7	53,9	484,00
ODRD 350	Pre Filter X / Post Filter (Y) Included			ODD 700 KIT	37,3	28,7	53,9	484,00
ODRD 425	Pre Filter X / Post Filter (Y) Included			ODD 700 KIT	37,3	28,7	53,9	506,00
ODRD 550	Pre Filter X / Post Filter (Y) Included			ODD 1100 KIT	37,3	31,4	57,4	594,00
ODRD 700	Pre Filter X / Post Filter (Y) Included			ODD 1100 KIT	37,3	31,4	57,4	627,00
ODRD 900	Pre Filter X / Post Filter (Y) Included			ODD 1600 KIT	45,8	30,6	67,8	862,40
ODRD 1100	Pre Filter X / Post Filter (Y) Included			ODD 1600 KIT	45,8	30,6	67,8	902,00
ODRD 1350	Not Included			Not Included	55,00	33,3	69,6	1.082,40
ODRD 1500	Not Included			Not Included	55,00	33,3	69,6	1.144,00
ODRD 2000	Not Included			Not Included	57,7	42,40	75,8	1.531,20
ODRD 2350	Not Included			Not Included	57,7	42,40	75,8	1.579,60
ODRD 2750	Not Included			Not Included	86,1	41,8	75,8	1.980,00
ODRD 3000	Not Included			Not Included	86,1	41,8	75,8	2.035,00
ODRD 3600	Not Included			Not Included	88,4	47,2	80,4	2.145,00
ODRD 4000	Not Included			Not Included	88,4	47,2	80,4	2.420,00
ODRD 5000	Not Included			Not Included	100,3	61	82,6	3.080,00

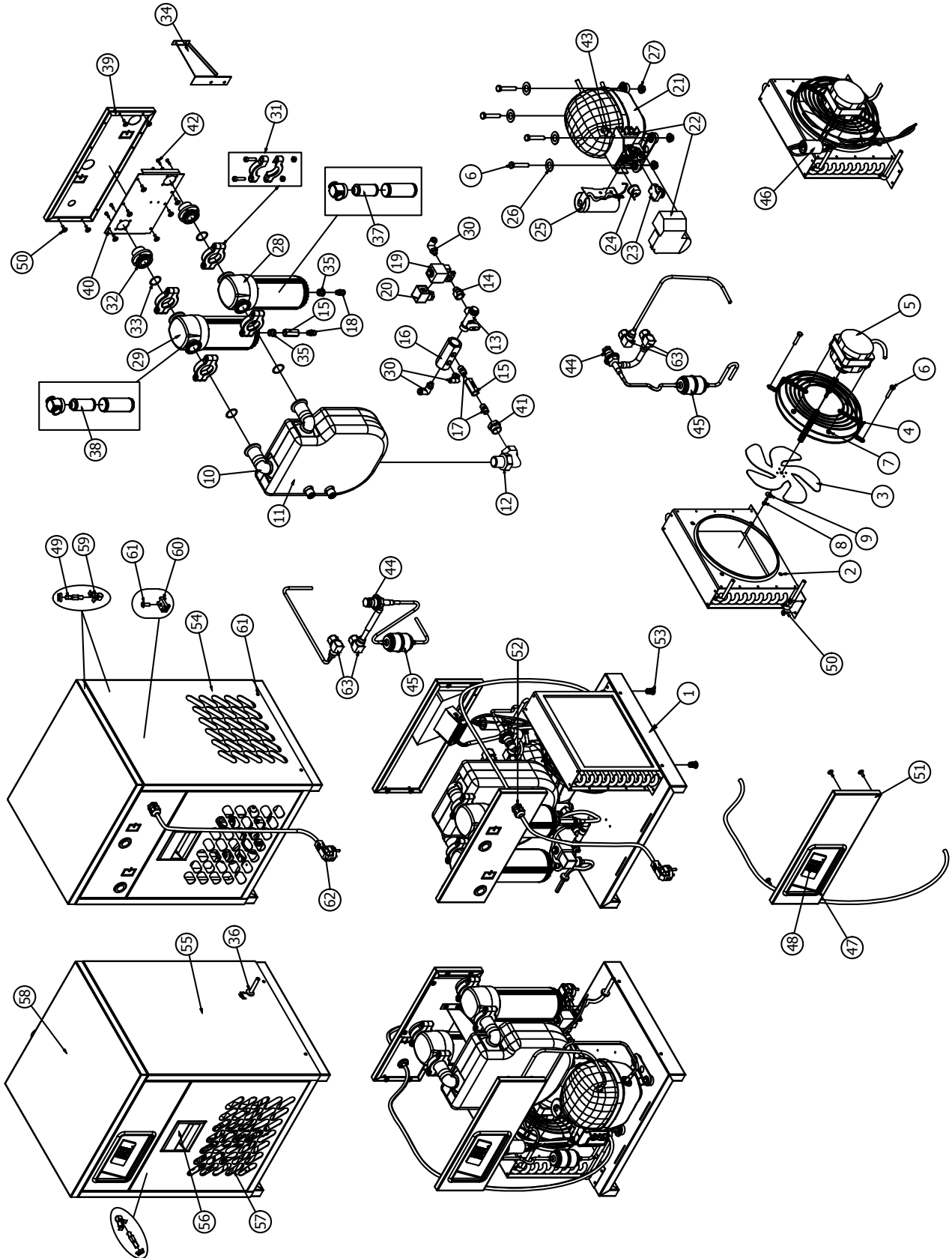
  

ALL MODELS	Superheat of thermostatic expansion valve	Evaporating pressure	Fan pressure switch	Security high pressure switch	Security low pressure switch	Drain timer	Refrigerant temperature switch	Water flow valve (if water condenser)
	41.0 °F -50.0 °F	29.7 psi	130.5 - 174 psi	162,5 psi	23.2 psi	5 min. -5sec.	113 °F	159.5 psi

# 8. ODRD EXPLODED DIAGRAMS & SPARE PART LISTS

# 8.1 - ED & Spare Part List

## ODRD 10





8.1 - ED & Spare Part List  
**ODRD 10**

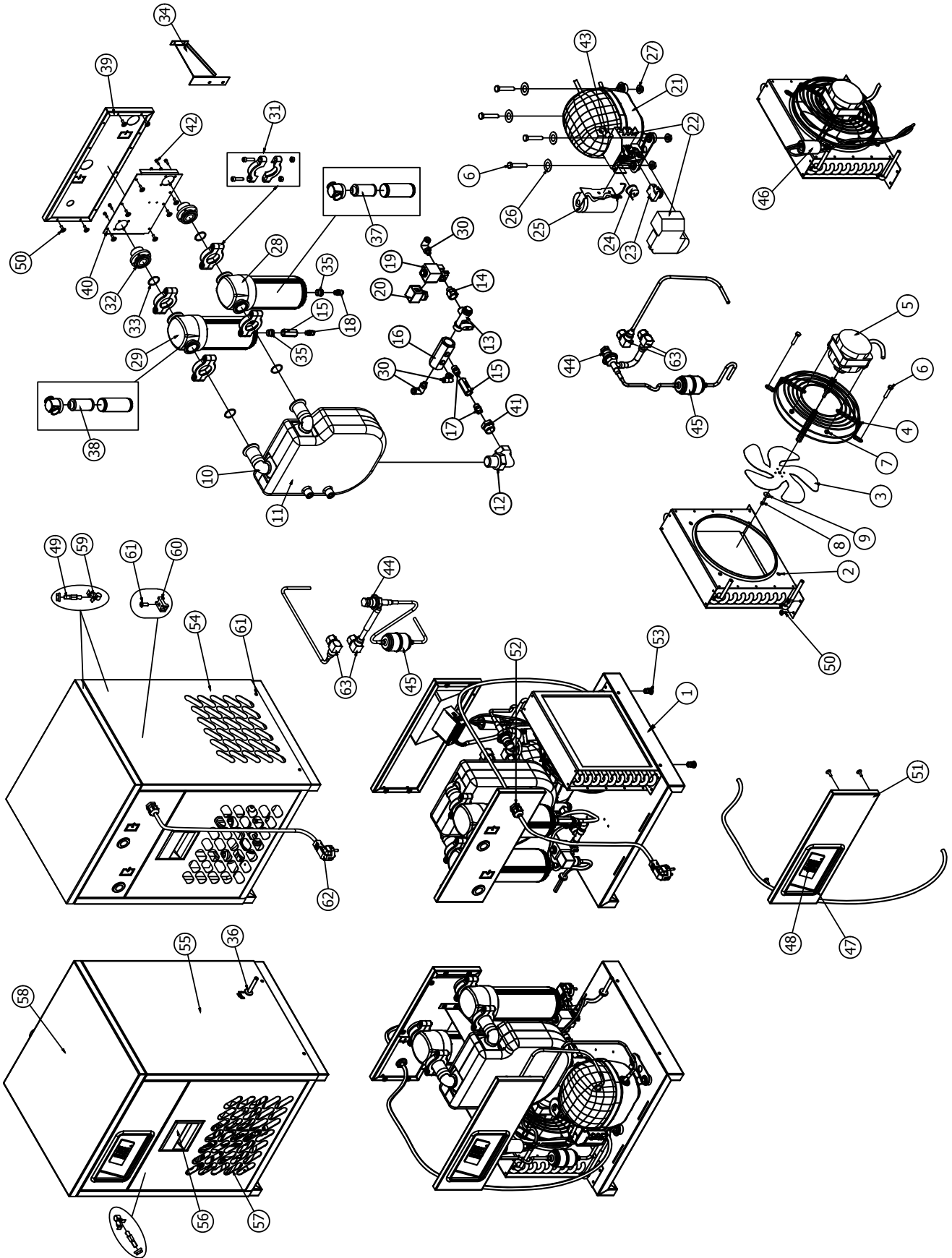
5 19 21 23 24 25 48

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	SOLENOID VALVE	COMPRESSOR	COMPRESSOR START RELAY	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR START CAPACITOR	DIGITAL CONTROLLER
ODRD-10	10 SCFM	ODRD-10	220V/1Ph/50Hz	AIR COOLED	MK40E-FMT	M-SLV-0325-230	M-CMP-0015-220-1-50	M-CRSR-0015-220-1-50	M-COP-0015-220-1-50	M-CSC-0015-220-1-50	MK130E-DPI
ODRD-10	10 SCFM	ODRD-10	230V/1Ph/60Hz	AIR COOLED	M-FMT-0075-220/230-1-50/60	M-SLV-0325-230	MK20E-CMP-230-1-60	MK20E-CRSR-230-1-60	MK20E-COP-230-1-60	M-CSC-0015-115-1-60	MK130E-DPI
ODRD-10	10 SCFM	ODRD-10	115V/1Ph/60Hz	AIR COOLED	M-FMT-0075-115-1-60	M-SLV-0150-115	M-CMP-0015-115-1-60	M-CRSR-0015-115-1-60	M-COP-0015-115-1-60	M-CSC-0015-115-1-60	MK130E-DPI-115

DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
	63	MK60E-RTA2	ROTOLOCK ADAPTOR2		2
	62	MK130E-PWC	POWER CABLE		1
	61	MK90E-RVT3,5	RIVET Ø3,5		25
	60	MK90E-CSP	CABLE STRAP		3
	59	M-FAS-6000	CABINET FASTENER		8
	58	MK30E-CAT	CABINET TOP		1
	57	MK30E-CSG	CABINET STRIPPING		2
	56	M-CHN-6000	CABINET HANDLE (NEW)		2
	55	MK30E-CBR	CABINET RIGHT		1
	54	MK30E-CLT	CABINET LEFT		1
	53	MK260E-RNT8	RIVET NUT M8		4
	52	MK260E-CG11	CABLE GLAND PG11		1
	51	MK30E-COP	CONTROLLER PANEL		1
	50	MK90E-BLT412	BOLT M4x12		18
	49	M-STU-6000	CABINET STUD AND NUT		8
	48	SEE.REF TABLE	DIGITAL CONTROLLER		1
	47	MK130E-PCP	PLASTIC CONTROL PANEL		1
	46	M-FNS-0200	FAN ON/OFF SWITCH		1
	45	M-DRI-0200	DRYER-DEHYDRATOR		1
	44	M-BYV-0100	EXPANSION VALVE		1
	43	MK260E-STC	SETTING THE CONNECTION		1
	42	MK60E-BLT48	BOLT M4x8		8
	41	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	40	MK30E-CAI	CABINET INSIDE		1
	39	MK30E-CRT	CABINET REAR TOP		1
	38	MK30E-FIE-Y	COMPRESSED AIR FILTER ELEMENT (Y)		1
	37	MK30E-FIE-X	COMPRESSED AIR FILTER ELEMENT (X)		1
	36	MK90E-GFD	GASKET FOR DRAIN		1
	35	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	34	MK30E-EXS	HEAT EXCHANGER SUPPORT STEEL		1
	33	MK30E-ORG	ORING		4
	32	MK30E-CNK-NPT	CONNECTION CIT		2
	31	MK30E-CPG	COUPLING CLAMP		4
	30	MK170E-EWF	90* 1 / 4" - 6mm ELBOW		1
	29	MK30E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	28	MK30E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	27	MK30E-NT6	NUT M6		4
	26	MK30E-WSR18	WASHER 18x7x1mm		4
	25	SEE.REF TABLE	COMPRESSOR START CAPACITOR		1
	24	SEE.REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	23	SEE.REF TABLE	COMPRESSOR START RELAY		1
	22	MK40E-CEC	COMPRESSOR ELECTRICAL BOX COVER		1
	21	SEE.REF TABLE	COMPRESSOR		1
	20	MK260E-SVC	SOLENOID VALVE COIL		1
	19	SEE.REF TABLE	SOLENOID VALVE		1
	18	MK150E-FIT6	1 / 4" - 6mm FITTINGS		3
	17	MK170E-NIP1/4	1 / 4" NIPPLE		2
	16	MK170E-T1/4	MK 10-150 DRAIN COLLECTOR		1
	15	MK170E-CHV	CHECH VALVE		2
	14	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	13	M-DBV-0200	DRAIN BALL VALVE		1
	12	MK260E-RCD	90° 1/2" RECORD		1
	11	MK30E-IHE	INSULATION OF HEAT EXCHANGER		1
	10	MK30E-EXC	HEAT EXCHANGER		1
	9	MK110E-WHR20	WASHER 20x4,3x1,5		1
	8	MK110E-BLT414	BOLT M4x14mm		1
	7	MK110E-NT4	NUT M4		4
	6	MK260E-BLT630	BOLT M6x30mm		8
	5	SEE.REF TABLE	FAN MOTOR		1
	4	M-GRL-0075	FAN GRILL		1
	3	M-FAN-0075	FAN GLADE		1
	2	MK30E-CON	CONDANSER		1
	1	MK30E-CAB	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
<b>PART LIST</b>					

# 8.1 - ED & Spare Part List

## ODRD 15



8.1 - ED & Spare Part List

# ODRD 15

(5) (19) (21) (23) (24) (25) (48)

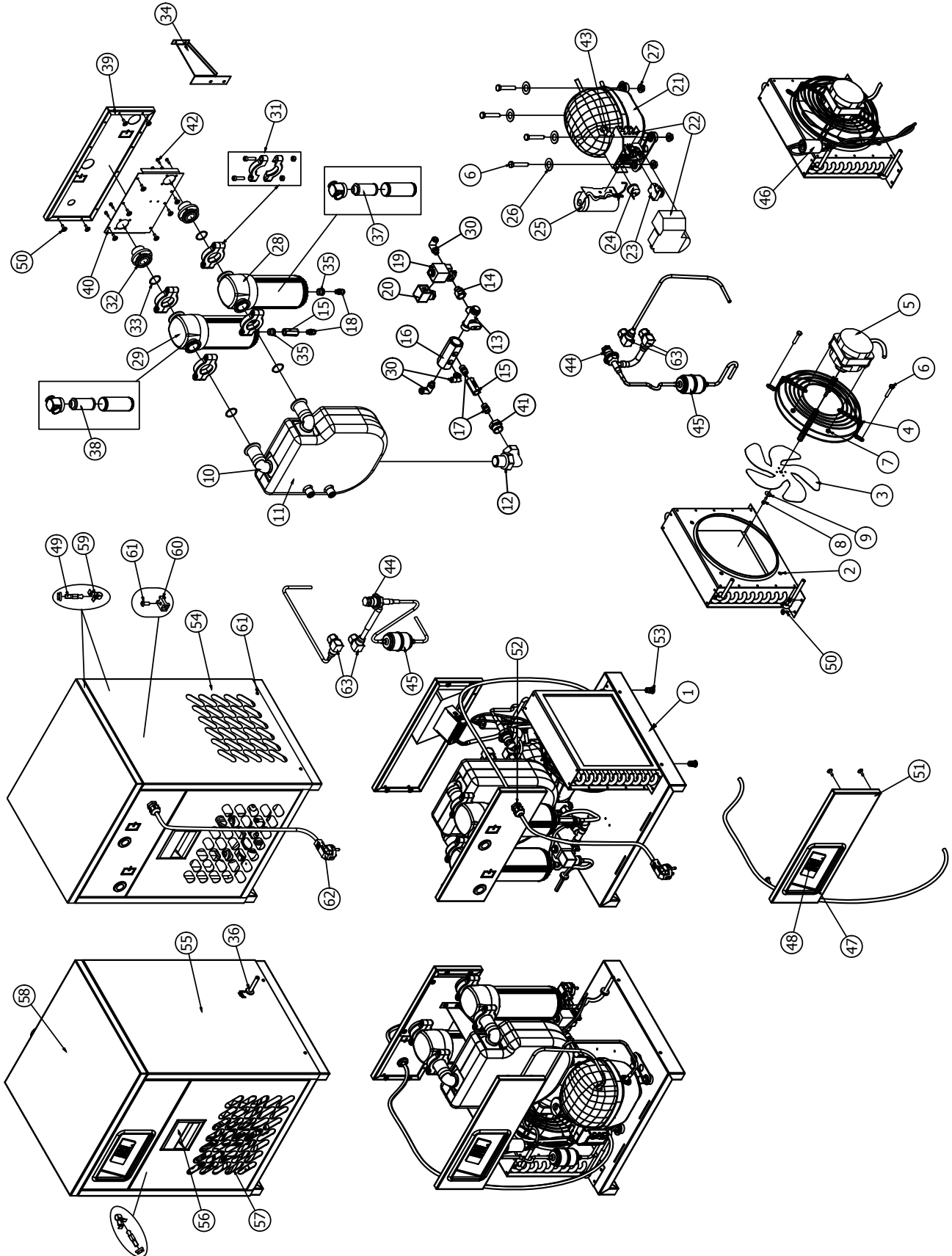
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	SOLENOID VALVE	COMPRESSOR	COMPRESSOR START RELAY	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR START CAPASITOR	DIGITAL CONTROLLER
ODRD-15	15 SCFM	ODRD-15	220V/1Ph/50Hz	AIR COOLED	M-K40E-FMT	M-SLV-0825-230	M-CMP-0015-220-1-50	M-CSR-0015-220-1-50	M-COP-0015-220-1-50	M-CSC-0015-220-1-50	MK130E-DPI
ODRD-15	15 SCFM	ODRD-15	230V/1Ph/60Hz	AIR COOLED	M-FMT-0075-220/230-1-50/60	M-SLV-0825-230	MK20E-CMP-230-1-60	MK20E-CSR-230-1-60	MK20E-COP-230-1-60	MK20E-CSC-230-1-60	MK130E-DPI
ODRD-15	15 SCFM	ODRD-15	115V/1Ph/60Hz	AIR COOLED							

DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
	63	MK60E-RTA2	ROTOLOCK ADAPTOR2		2
	62	MK130E-PWC	POWER CABLE		1
	61	MK90E-RVT3,5	RIVET Ø3,5		25
	60	MK90E-CSP	CABLE STRAP		3
	59	M-FAS-6000	CABINET FASTENER		8
	58	MK30E-CAT	CABINET TOP		1
	57	MK30E-CSG	CABINET STRIPPING		2
	56	M-CHN-6000	CABINET HANDLE (NEW)		2
	55	MK30E-CBR	CABINET RIGHT		1
	54	MK30E-CLT	CABINET LEFT		1
	53	MK260E-RNT8	RIVET NUT M8		4
	52	MK260E-CG11	CABLE GLAND PG11		1
	51	MK30E-COP	CONTROLLER PANEL		1
	50	MK90E-BLT412	BOLT M4x12		18
	49	M-STU-6000	CABINET STUD AND NUT		8
	48	MK130E-DPI-115	DIGITAL CONTROLLER		1
	47	MK130E-PCP	PLASTIC CONTROL PANEL		1
	46	M-FNS-0200	FAN ON/OFF SWITCH		1
	45	M-DRI-0200	DRYER-DEHYDRATOR		1
	44	M-BYV-0100	EXPANSION VALVE		1
	43	MK260E-STC	SETTING THE CONNECTION		1
	42	MK60E-BLT48	BOLT M4x8		8
	41	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	40	MK30E-CAI	CABINET INSIDE		1
	39	MK30E-CRT	CABINET REAR TOP		1
	38	MK30E-FIE-Y	COMPRESSED AIR FILTER ELEMENT (Y)		1
	37	MK30E-FIE-X	COMPRESSED AIR FILTER ELEMENT (X)		1
	36	MK90E-GFD	GASKET FOR DRAIN		1
	35	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	34	MK30E-EXS	HEAT EXCHANGER SUPPORT STEEL		1
	33	MK30E-ORG	ORING		4
	32	MK30E-CNK-NPT	CONNECTION CIT		2
	31	MK30E-CPG	COUPLING CLAMP		4
	30	MK170E-EWF	90* 1 / 4" - 6mm ELBOW		3
	29	MK30E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	28	MK30E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	27	MK30E-NT6	NUT M6		4
	26	MK30E-WSR18	WASHER 18x7x1mm		4
	25	M-CSC-0015-115-1-60	COMPRESSOR START CAPACITOR		1
	24	M-COP-0015-115-1-60	COMPRESSOR OVERLOAD PROTECTOR		1
	23	M-CSR-0015-115-1-60	COMPRESSOR START RELAY		1
	22	MK40E-CEC	COMPRESSOR ELECTRICAL BOX COVER		1
	21	M-CMP-0015-115-1-60	COMPRESSOR		1
	20	MK260E-SVC	SOLENOID VALVE COIL		1
	19	M-SLV-0150-115	SOLENOID VALVE		1
	18	MK150E-FIT6	1 / 4" - 6mm FITTINGS		3
	17	MK170E-NIP1/4	1 / 4" NIPPLE		2
	16	MK170E-T1/4	MK 10-150 DRAIN COLLECTOR		1
	15	MK170E-CHV	CHECH VALVE		2
	14	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	13	M-DBV-0200	DRAIN BALL VALVE		1
	12	MK260E-RCD	90° 1/2" RECORD		1
	11	MK30E-IHE	INSULATION OF HEAT EXCHANGER		1
	10	MK30E-EXC	HEAT EXCHANGER		1
	9	MK110E-WHR20	WASHER 20x4,3x1,5		1
	8	MK110E-BLT414	BOLT M4x14mm		1
	7	MK110E-NT4	NUT M4		4
	6	MK260E-BLT630	BOLT M6x30mm		8
	5	M-FMT-0075-115-1-60	FAN MOTOR		1
	4	M-GRL-0075	FAN GRILL		1
	3	M-FAN-0075	FAN GLADE		1
	2	MK30E-CON	CONDANSER		1
	1	MK30E-CAB	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 25



8.1 - ED & Spare Part List

**ODRD 25**

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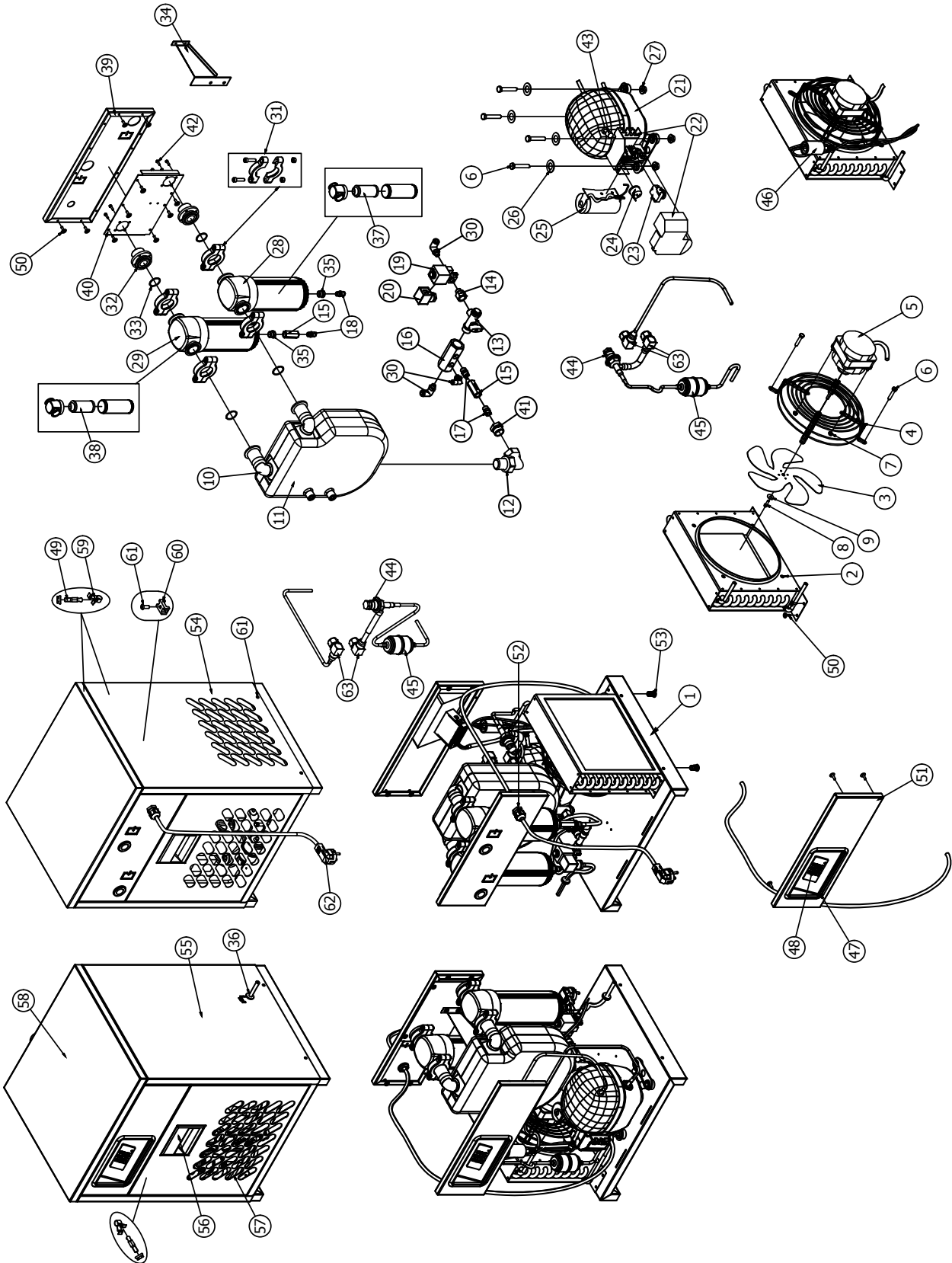
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DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	SOLENOID VALVE	COMPRESSOR	COMPRESSOR START RELAY	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR START CAPASITOR	DIGITAL CONTROLLER
ODRD-25	25 SCFM	ODRD-25	220V/1Ph/50Hz	AIR COOLED	MK40E-FMT	M-SLV-0325-230	M-CMP-0035-220-1-50	M-CSR-0035-220-1-50	M-COP-0035-220/230-1-50/60	M-CSC-0035-220-1-50	MK130E-DPI
ODRD-25	25 SCFM	ODRD-25	230V/1Ph/60Hz	AIR COOLED	M-FMT-0075-220/230-1-50/60	M-SLV-0325-230	M-CMP-0035-230-1-60	M-CSR-0035-230-1-60	M-COP-0035-220/230-1-50/60	M-CSC-0035-230-1-60	MK130E-DPI
ODRD-25	25 SCFM	ODRD-25	115V/1Ph/60Hz	AIR COOLED	M-FMT-0075-115-1-60	M-SLV-0150-115	M-CMP-0035-115-1-60	M-CSR-0035-115-1-60	M-COP-0035-115-1-60	M-CSC-0035-115-1-60	MK130E-DPI-115

DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
			<b>PART LIST</b>		
	63	MK60E-RTA2	ROTOLOCK ADAPTOR2		2
	62	MK130E-PWC	POWER CABLE		1
	61	MK90E-RVT3,5	RIVET Ø3,5		25
	60	MK90E-CSP	CABLE STRAP		3
	59	M-FAS-6000	CABINET FASTENER		8
	58	MK30E-CAT	CABINET TOP		1
	57	MK30E-CSG	CABINET STRIPPING		2
	56	M-CHN-6000	CABINET HANDLE (NEW)		2
	55	MK30E-CBR	CABINET RIGHT		1
	54	MK30E-CLT	CABINET LEFT		1
	53	MK260E-RNT8	RIVET NUT M8		4
	52	MK260E-CG11	CABLE GLAND PG11		1
	51	MK30E-COP	CONTROLLER PANEL		1
	50	MK90E-BLT412	BOLT M4x12		18
	49	M-STU-6000	CABINET STUD AND NUT		8
	48	SEE.REF TABLE	DIGITAL CONTROLLER		1
	47	MK130E-PCP	PLASTIC CONTROL PANEL		1
	46	M-FNS-0200	FAN ON/OFF SWITCH		1
	45	M-DRI-0200	DRYER-DEHYDRATOR		1
	44	M-BYV-0100	EXPANSION VALVE		1
	43	MK260E-STC	SETTING THE CONNECTION		1
	42	MK60E-BLT48	BOLT M4x8		8
	41	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	40	MK30E-CAI	CABINET INSIDE		1
	39	MK30E-CRT	CABINET REAR TOP		1
	38	MK30E-FIE-Y	COMPRESSED AIR FILTER ELEMENT (Y)		1
	37	MK30E-FIE-X	COMPRESSED AIR FILTER ELEMENT (X)		1
	36	MK90E-GFD	GASKET FOR DRAIN		1
	35	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	34	MK30E-EXS	HEAT EXCHANGER SUPPORT STEEL		1
	33	MK30E-ORG	ORING		4
	32	MK30E-CNK-NPT	CONNECTION CIT		2
	31	MK30E-CPG	COUPLING CLAMP		4
	30	MK170E-EWF	90° 1 / 4" - 6mm ELBOW		3
	29	MK30E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	28	MK30E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	27	MK30E-NT6	NUT M6		4
	26	MK30E-WSR18	WASHER 18x7x1mm		4
	25	SEE.REF TABLE	COMPRESSOR START CAPACITOR		1
	24	SEE.REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	23	SEE.REF TABLE	COMPRESSOR START RELAY		1
	22	MK40E-CEC	COMPRESSOR ELECTRICAL BOX COVER		1
	21	SEE.REF TABLE	COMPRESSOR		1
	20	MK260E-SVC	SOLENOID VALVE COIL		1
	19	SEE.REF TABLE	SOLENOID VALVE		1
	18	MK150E-FIT6	1 / 4" - 6mm FITTINGS		2
	17	MK170E-NIP1/4	1 / 4" NIPPLE		2
	16	MK170E-T1/4	MK 10-150 DRAIN COLLECTOR		1
	15	MK170E-CHV	CHECH VALVE		2
	14	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	13	M-DBV-0200	DRAIN BALL VALVE		1
	12	MK260E-RCD	90° 1/2" RECORD		1
	11	MK30E-IHE	INSULATION OF HEAT EXCHANGER		1
	10	MK30E-EXC	HEAT EXCHANGER		1
	9	MK110E-WHR20	WASHER 20x4,3x1,5		1
	8	MK110E-BLT414	BOLT M4x14mm		1
	7	MK110E-NT4	NUT M4		4
	6	MK260E-BLT630	BOLT M6x30mm		8
	5	SEE.REF TABLE	FAN MOTOR		1
	4	M-GRL-0075	FAN GRILL		1
	3	M-FAN-0075	FAN GLADE		1
	2	MK30E-CON	CONDANSER		1
	1	MK30E-CAB	CABINET BASE		1

# 8.1 - ED & Spare Part List

## ODRD 30





8.1 - ED & Spare Part List

# ODRD 30

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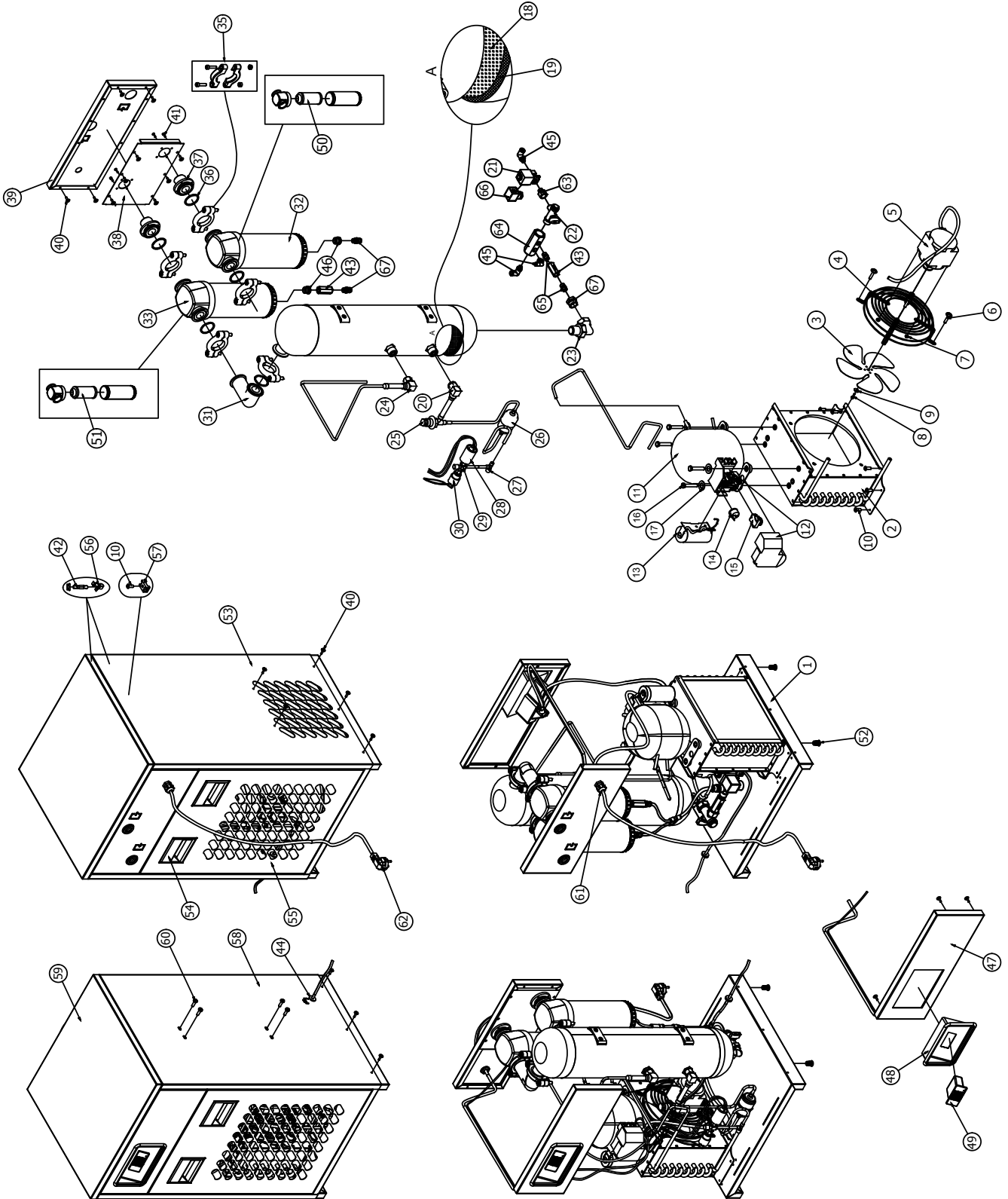
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	SOLENOID VALVE	COMPRESSOR	COMPRESSOR START RELAY	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR START CAPASITOR	DIGITAL CONTROLLER
MK-35 US	30 SCFM	MKUS-30	220V/1Ph/50Hz	AIR COOLED	MK40E-FMT	M-SLV-0325-230	M-CMP-0035-220-1-50	M-CSR-0035-220-1-50	M-COP-0035-220/230-1-50/60	M-CSC-0035-220-1-50	MK130E-DPI
MK-35 US	30 SCFM	MKUS-30	230V/1Ph/60Hz	AIR COOLED	M-FMT-0075-220/230-1-30/60	M-SLV-0325-230	M-CMP-0035-230-1-60	M-CSR-0035-230-1-60	M-COP-0035-220/230-1-50/60	M-CSC-0035-230-1-60	MK130E-DPI
MK-35 US	30 SCFM	MKUS-30	115V/1Ph/60Hz	AIR COOLED	M-FMT-0075-115-1-60	M-SLV-0150-115	M-CMP-0035-115-1-60	M-CSR-0035-115-1-60	M-COP-0035-115-1-60	M-CSC-0035-115-1-60	MK130E-DPI-115

DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
	63	MK60E-RTA2	ROTOLOCK ADAPTOR2		2
	62	MK130E-PWC	POWER CABLE		1
	61	MK90E-RVT3,5	RIVET Ø3,5		25
	60	MK90E-CSP	CABLE STRAP		3
	59	M-FAS-6000	CABINET FASTENER		8
	58	MK30E-CAT	CABINET TOP		1
	57	MK30E-CSG	CABINET STRIPPING		2
	56	M-CHN-6000	CABINET HANDLE (NEW)		2
	55	MK30E-CBR	CABINET RIGHT		1
	54	MK30E-CLT	CABINET LEFT		1
	53	MK260E-RNT8	RIVET NUT M8		4
	52	MK260E-CG11	CABLE GLAND PG11		1
	51	MK30E-COP	CONTROLLER PANEL		1
	50	MK90E-BLT412	BOLT M4x12		18
	49	M-STU-6000	CABINET STUD AND NUT		8
	48	SEE.REF TABLE	DIGITAL CONTROLLER		1
	47	MK130E-PCP	PLASTIC CONTROL PANEL		1
	46	M-FNS-0200	FAN ON/OFF SWITCH		1
	45	M-DRI-0200	DRYER-DEHYDRATOR		1
	44	M-BYV-0100	EXPANSION VALVE		1
	43	MK260E-STC	SETTING THE CONNECTION		1
	42	MK60E-BLT48	BOLT M4x8		8
	41	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	40	MK30E-CAI	CABINET INSIDE		1
	39	MK30E-CRT	CABINET REAR TOP		1
	38	MK30E-FIE-Y	COMPRESSED AIR FILTER ELEMENT (Y)		1
	37	MK30E-FIE-X	COMPRESSED AIR FILTER ELEMENT (X)		1
	36	MK90E-GFD	GASKET FOR DRAIN		1
	35	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	34	MK30E-EXS	HEAT EXCHANGER SUPPORT STEEL		1
	33	MK30E-ORG	ORING		4
	32	MK30E-CNK-NPT	CONNECTION CIT		2
	31	MK30E-CPG	COUPLING CLAMP		4
	30	MK170E-EWF	90° 1 / 4" - 6mm ELBOW		3
	29	MK30E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	28	MK30E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	27	MK30E-NT6	NUT M6		4
	26	MK30E-WSR18	WASHER 18x7x1mm		4
	25	SEE.REF TABLE	COMPRESSOR START CAPACITOR		1
	24	SEE.REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	23	SEE.REF TABLE	COMPRESSOR START RELAY		1
	22	MK40E-CEC	COMPRESSOR ELECTRICAL BOX COVER		1
	21	SEE.REF TABLE	COMPRESSOR		1
	20	MK260E-SVC	SOLENOID VALVE COIL		1
	19	SEE.REF TABLE	SOLENOID VALVE		1
	18	MK150E-FIT6	1 / 4" - 6mm FITTINGS		2
	17	MK170E-NIP1/4	1 / 4" NIPPLE		2
	16	MK170E-T1/4	MK 10-150 DRAIN COLLECTOR		1
	15	MK170E-CHV	CHECH VALVE		2
	14	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	13	M-DBV-0200	DRAIN BALL VALVE		1
	12	MK260E-RCD	90° 1/2" RECORD		1
	11	MK30E-IHE	INSULATION OF HEAT EXCHANGER		1
	10	MK30E-EXC	HEAT EXCHANGER		1
	9	MK110E-WHR20	WASHER 20x4,3x1,5		1
	8	MK110E-BLT414	BOLT M4x14mm		1
	7	MK110E-NT4	NUT M4		4
	6	MK260E-BLT630	BOLT M6x30mm		8
	5	SEE.REF TABLE	FAN MOTOR		1
	4	M-GRL-0075	FAN GRILL		1
	3	M-FAN-0075	FAN GLADE		1
	2	MK35E-CON	CONDANSER		1
	1	MK30E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 35





8.1 - ED & Spare Part List

**ODRD 35**

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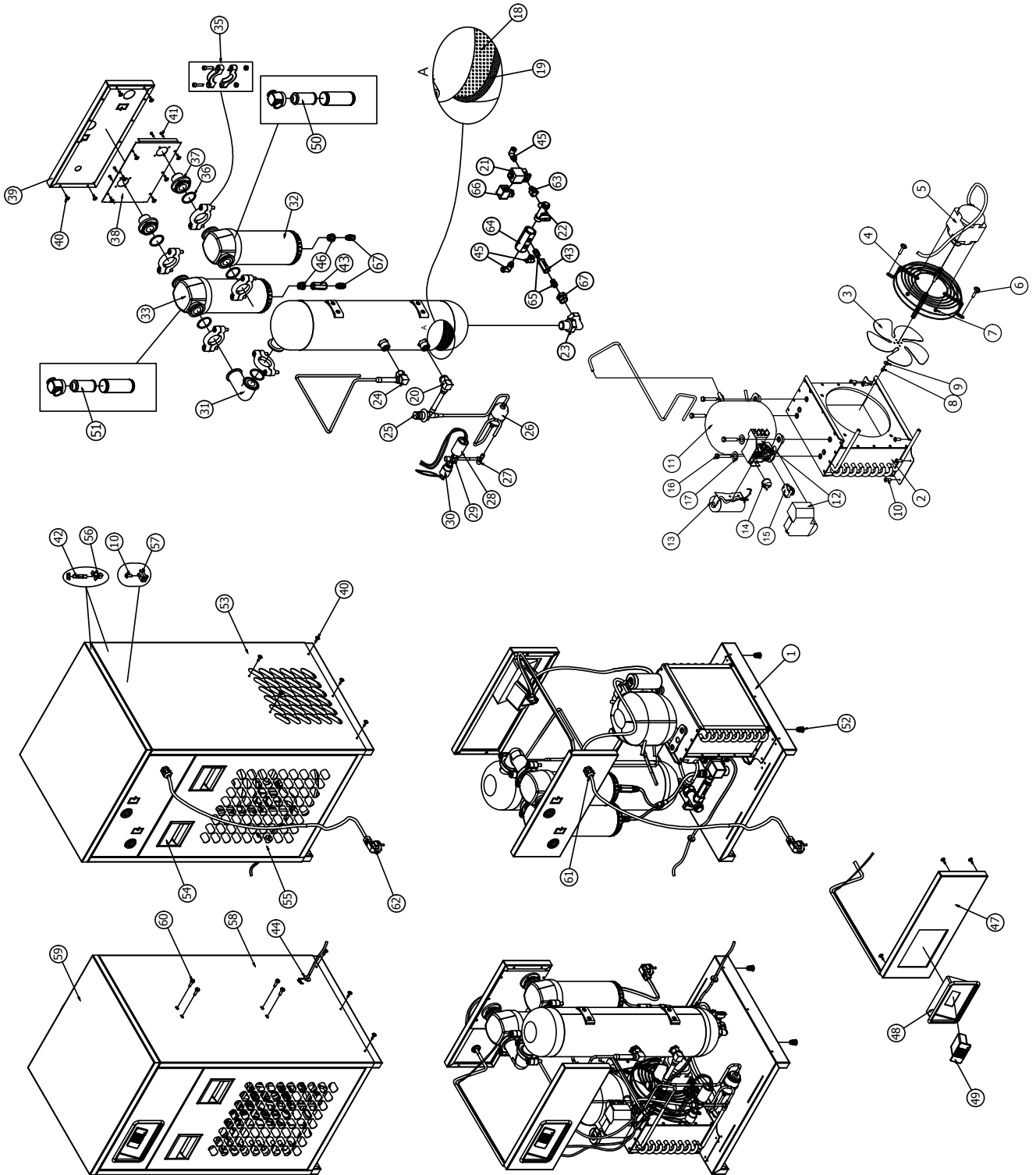
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	COMPRESSOR START CAPASITOR	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR START RELAY	SOLENOID VALVE	DIGITAL CONTROLLER
ODRD-35	35 SCFM	ODRD-35	220V/1Ph/60Hz	AIR COOLED	MK40E-FMT	M-CMP-0050-220-1-50	M-CSC-0050-220-1-50	M-COP-0050-220/230-1-50/60	M-CSR-0050-220-1-50	M-SLV-0325-230	MK130E-DPI
ODRD-35	35 SCFM	ODRD-35	230V/1Ph/60Hz	AIR COOLED	M-FMT-0075-220/230-1-50/60	M-CMP-0050-230-1-60	M-CSC-0050-230-1-60	M-COP-0050-220/230-1-50/60	M-CSR-0050-230-1-60	M-SLV-0325-230	MK130E-DPI
ODRD-35	35 SCFM	ODRD-35	115V/1Ph/60Hz	AIR COOLED	M-FMT-0075-115-1-60	M-CMP-0050-115-1-60	M-CSC-0050-115-1-60	M-COP-0050-115-1-60	M-CSR-0050-115-1-60	M-SLV-0150-115	MK130E-DPI-115

DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
	67	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		3
	66	MK260E-SVC	SOLENOID VALVE COIL		1
	65	MK170E-NIP1/4	1 / 4" NIPPLE		2
	64	MK170E-T1/4	MK 10-150 DRAIN COLLECTOR		1
	63	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	62	MK130E-PWC	POWER CABLE		1
	61	MK260E-CG11	CABLE GLAND PG11		1
	60	MK90E-BLT615	BOLT M6x15		1
	59	MK60E-CAT	CABINET TOP		4
	58	MK60E-CBR	CABINET RIGHT		1
	57	MK90E-CSP	CABLE STRAP		1
	56	M-FAS-6000	CABINET FASTENER		8
	55	MK60E-CSG	CABINET STRIPPING		2
	54	M-CHN-6000	CABINET HANDLE (NEW)		4
	53	MK60E-CLT	CABINET LEFT		4
	52	MK260E-RNT8	RIVET NUT M8		1
	51	MK60E-FIE-Y	COMPRESSED AIR FILTER ELEMENT (Y)		1
	50	MK60E-FIE-X	COMPRESSED AIR FILTER ELEMENT (X)		1
	49	SEE.REF TABLE	DIGITAL CONTROLLER		1
	48	MK130E-PCP	PLASTIC CONTROL PANEL		1
	47	MK60E-COP	CONTROLLER PANEL		1
	46	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	45	MK170E-EWF	90° 1 / 4" - 6mm ELBOW		3
	44	MK90E-GFD	GASKET FOR DRAIN		1
	43	MK170E-CHV	CHECH VALVE		2
	42	M-STU-6000	CABINET STUD AND NUT		8
	41	MK60E-BLT48	BOLT M4x8		2
	40	MK90E-BLT412	BOLT M4x12		8
	39	MK60E-CRT	CABINET REAR TOP		1
	38	MK60E-CAI	CABINET INSIDE		1
	37	MK60E-CNK2-NPT	CONNECTION CIT2		2
	36	MK60E-ORG	ORING		5
	35	MK60E-CPG	COUPLING CLAMP		5
	34	N/A	N/A		-
	33	MK60E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	32	MK60E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	31	MK60E-CNK1	CONNECTION CIT1		1
	30	M-HPS-0200	HIGH PRESSURE SWITCH		1
	29	MK90E-TDP	ADAPTOR T		1
	28	M-FNS-0200	FAN ON/OFF SWITCH		1
	27	MK90E-CPT1	CUPPER T1		1
	26	M-DRI-0200	DRYER-DEHYDRATOR		1
	25	M-BYV-0100	EXPANSION VALVE		1
	24	MK70E-RTA3	ROTOLOCK ADAPTOR3		1
	23	MK260E-ELW2	ELBOW 2		1
	22	M-DBV-0200	DRAIN BALL VALVE		1
	21	SEE.REF TABLE	SOLENOID VALVE		1
	20	MK60E-RTA2	ROTOLOCK ADAPTOR2		1
	19	MK60E-IHE	INSULATION OF HEAT EXCHANGER		1
	18	MK60E-EXC	HEAT EXCHANGER		1
	17	MK260E-WHR22	WASHER Ø22xØ8,5x2,5		4
	16	MK150E-BLT840	BOLT M8x40		4
	15	SEE.REF TABLE	COMPRESSOR START RELAY		1
	14	SEE.REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	13	SEE.REF TABLE	COMPRESSOR START CAPACITOR		1
	12	MK40E-CEC	COMPRESSOR ELECTRICAL BOX COVER		1
	11	SEE.REF TABLE	COMPRESSOR		1
	10	MK90E-RVT3,5	RIVET Ø3,5		9
	9	MK110E-WHR20	WASHER Ø20xØ4,3x1,5		1
	8	MK110E-BLT414	BOLT M4x14mm		1
	7	MK110E-NT4	NUT M4		4
	6	MK260E-BLT630	BOLT M6x30		4
	5	SEE.REF TABLE	FAN MOTOR		1
	4	M-GRL-0075	FAN GRILL		1
	3	M-FAN-0075	FAN BLADE		1
	2	MK40E-CON	CONDANSER		1
	1	MK60E-CAB	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY

PART LIST

# 8.1 - ED & Spare Part List

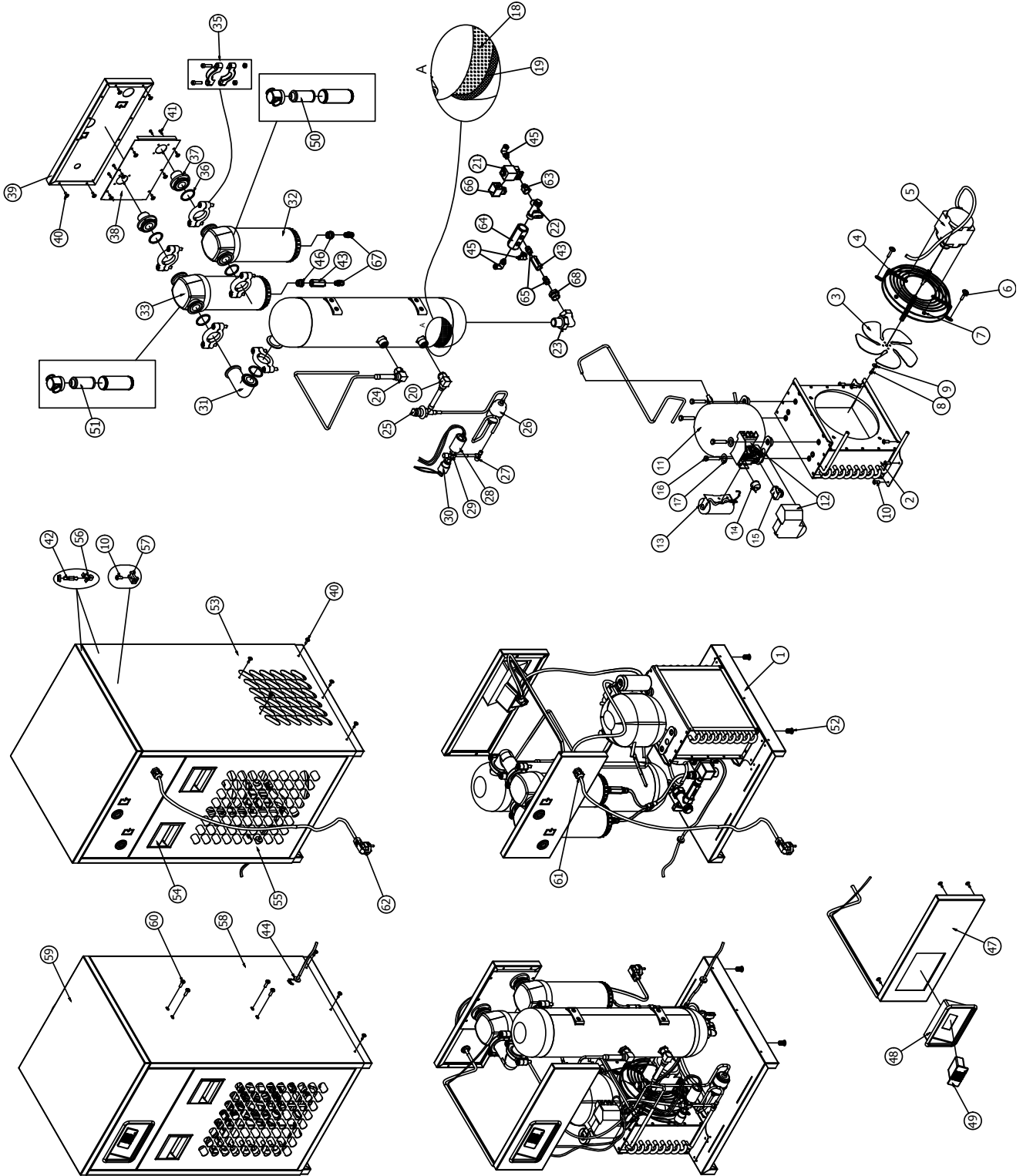
## ODRD 60





# 8.1 - ED & Spare Part List

## ODRD 75

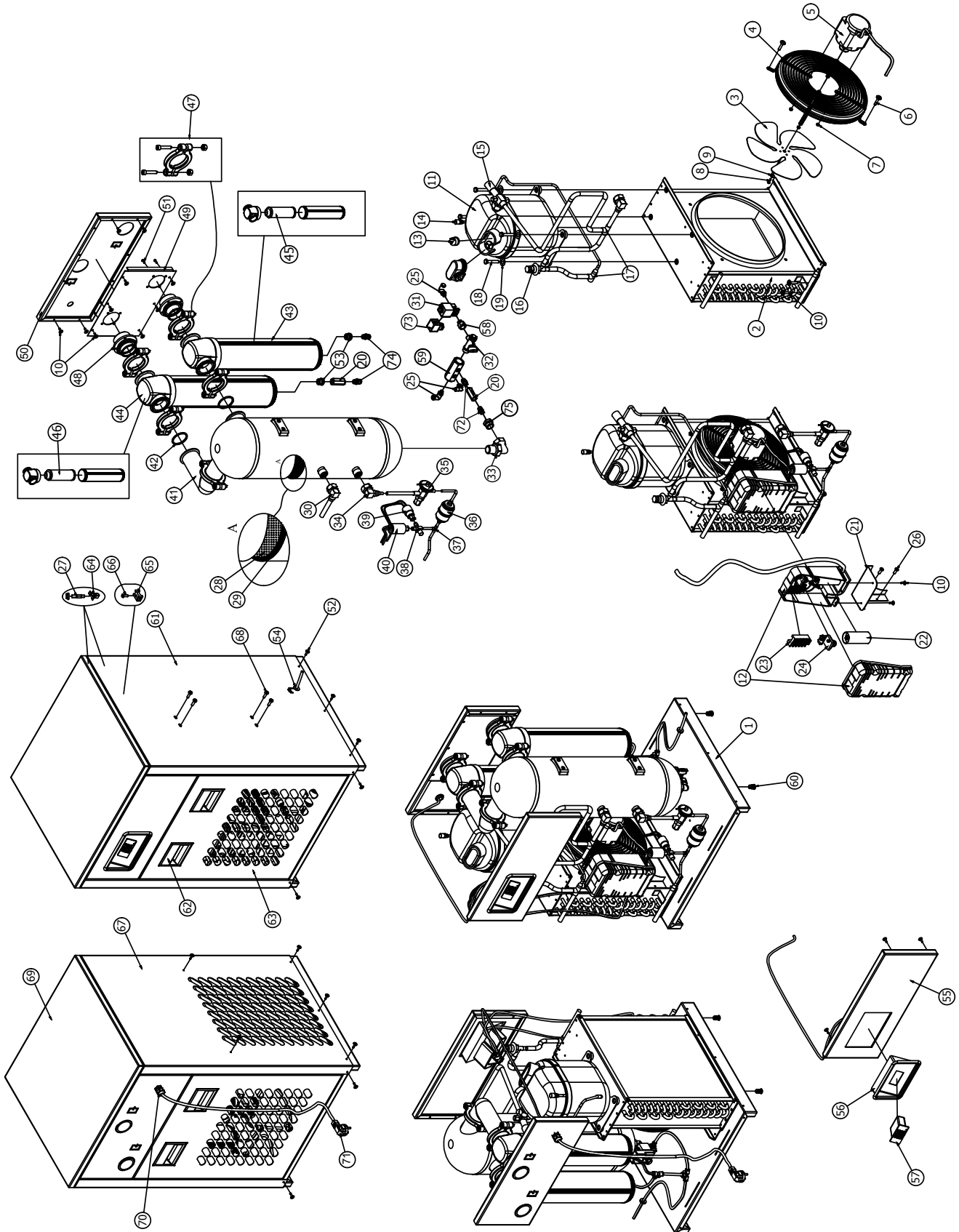


8.1 - ED & Spare Part List  
**ODRD 75**

67	MK260D-RDC		REDUCTION 1 / 2" - 1 / 4"		3
66	MK260E-SVC		SOLENOID VALVE COIL		1
65	MK170E-NIP1/4		1 / 4" NIPPLE		2
64	MK170D-T1/4		MK 10-150 DRAIN COLLECTOR		1
63	MK150E-RDC		REDUCTION 3/8" - 1/4"		1
62	MK130E-PWC		POWER CABLE		1
61	MK260E-CG11		CABLE GLAND PG11		1
60	MK90E-BLT615		BOLT M6x15		1
59	MK60E-CAT		CABINET TOP		4
58	MK60E-CBR		CABINET RIGHT		1
57	MK90E-CSP		CABLE STRAP		1
56	M-FAS-6000		CABINET FASTENER		8
55	MK60E-CSG		CABINET STRIPPING		2
54	M-CHN-6000		CABINET HANDLE (NEW)		4
53	MK60E-CLT		CABINET LEFT		4
52	MK260E-RNT8		RIVET NUT M8		1
51	MK60E-FIE-Y		COMPRESSED AIR FILTER ELEMENT (Y)		1
50	MK60E-FIE-X		COMPRESSED AIR FILTER ELEMENT (X)		1
49	SEE.REF TABLE		DIGITAL CONTROLLER		1
48	MK130E-PCP		PLASTIC CONTROL PANEL		1
47	MK60E-COP		CONTROLLER PANEL		1
46	MK260E-RDC		REDUCTION 1 / 2" - 1 / 4"		2
45	MK170E-EWF		90* 1 / 4" - 6mm ELBOW		1
44	MK90E-GFD		GASKET FOR DRAIN		1
43	MK170E-CHV		CHECK VALVE		2
42	M-STU-6000		CABINET STUD AND NUT		8
41	MK60E-BLT48		BOLT M4x8		2
40	MK90E-BLT412		BOLT M4x12		8
39	MK60E-CRT		CABINET REAR TOP		1
38	MK60E-CAI		CABINET INSIDE		1
37	MK60E-CNK2-NPT		CONNECTION CIT2		2
36	MK60E-ORG		ORING		5
35	MK60E-CPG		COUPLING CLAMP		5
34	N/A		N/A		-
33	MK60E-ELK-Y		COMPRESSED AIR FILTER KIT (Y)		1
32	MK60E-ELK-X		COMPRESSED AIR FILTER KIT (X)		1
31	MK60E-CNK1		CONNECTION CIT1		1
30	M-HPS-0200		HIGH PRESSURE SWITCH		1
29	MK90E-TDP		ADAPTOR T		1
28	M-FNS-0200		FAN ON/OFF SWITCH		1
27	MK90E-CPT1		CUPPER T1		1
26	M-DRI-0200		DRYER-DEHYDRATOR		1
25	M-BYV-0100		EXPANSION VALVE		1
24	MK70E-RTA3		ROTOLOCK ADAPTOR3		1
23	MK260E-ELW2		ELBOW 2		1
22	M-DBV-0200		DRAIN BALL VALVE		1
21	SEE.REF TABLE		SOLENOID VALVE		1
20	MK60E-RTA2		ROTOLOCK ADAPTOR2		1
19	MK60E-IHE		INSULATION OF HEAT EXCHANGER		1
18	MK60E-EXC		HEAT EXCHANGER		1
17	MK260E-WHR22		WASHER Ø22xØ8,5x2,5		4
16	MK150E-BLT840		BOLT M8x40		4
15	SEE.REF TABLE		COMPRESSOR START RELAY		1
14	SEE.REF TABLE		COMPRESSOR OVERLOAD PROTECTOR		1
13	SEE.REF TABLE		COMPRESSOR START CAPACITOR		1
12	MK60E-CEC		COMPRESSOR ELECTRICAL BOX COVER		1
11	SEE.REF TABLE		COMPRESSOR		1
10	MK90E-RVT3,5		RIVET Ø3,5		9
9	MK110E-WHR20		WASHER Ø20xØ4,3x1,5		1
8	MK110E-BLT414		BOLT M4x14mm		1
7	MK110E-NT4		NUT M4		4
6	MK260E-BLT630		BOLT M6x30		4
5	SEE.REF TABLE		FAN MOTOR		1
4	M-GRL-0150		FAN GRILL		1
3	M-FAN-0150		FAN BLADE		1
2	MK60E-CON		CONDANSER		1
1	MK60E-CAB		CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
<b>PART LIST</b>					

# 8.1 - ED & Spare Part List

## ODRD 100

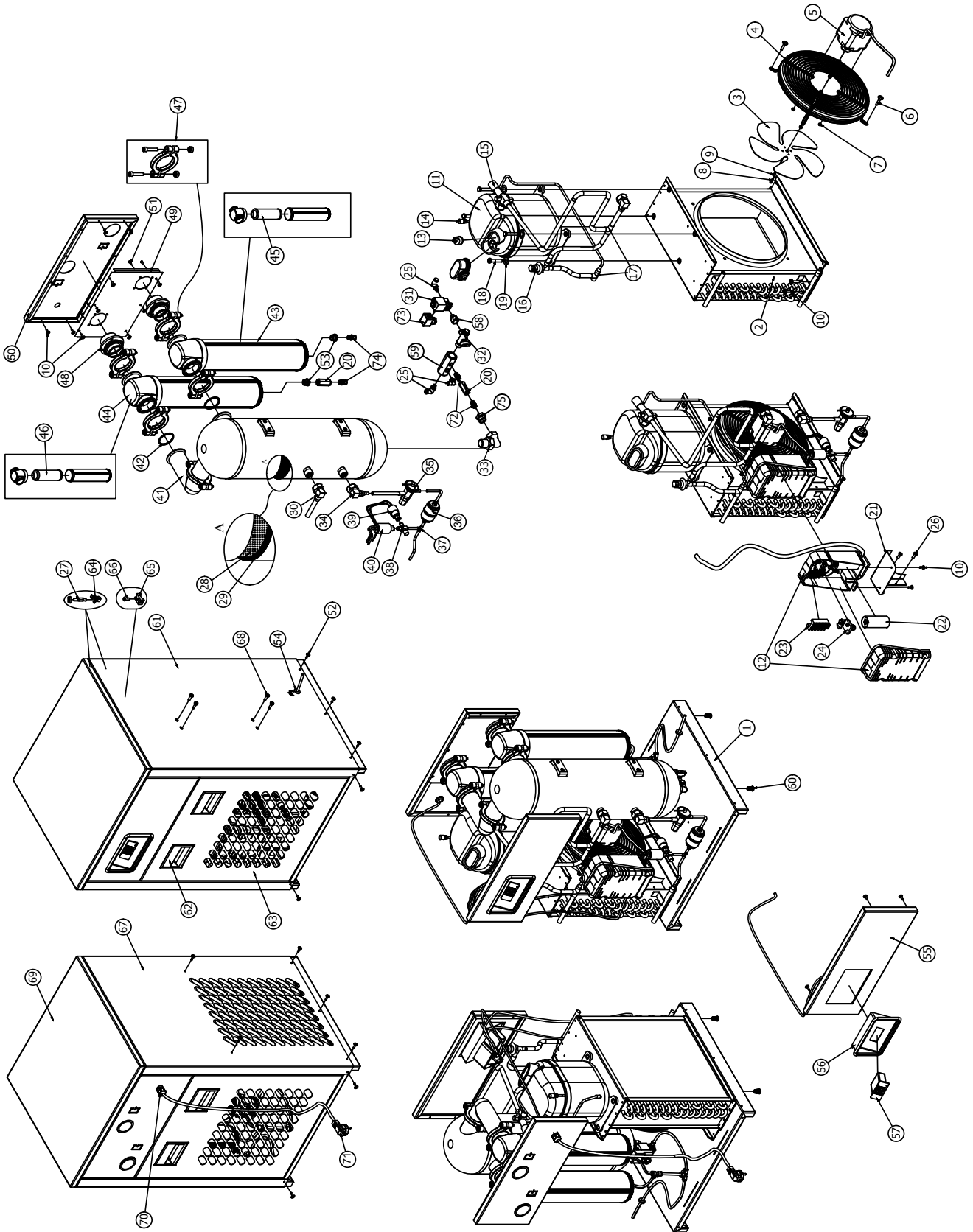






# 8.1 - ED & Spare Part List

## ODRD 125





8.1 - ED & Spare Part List

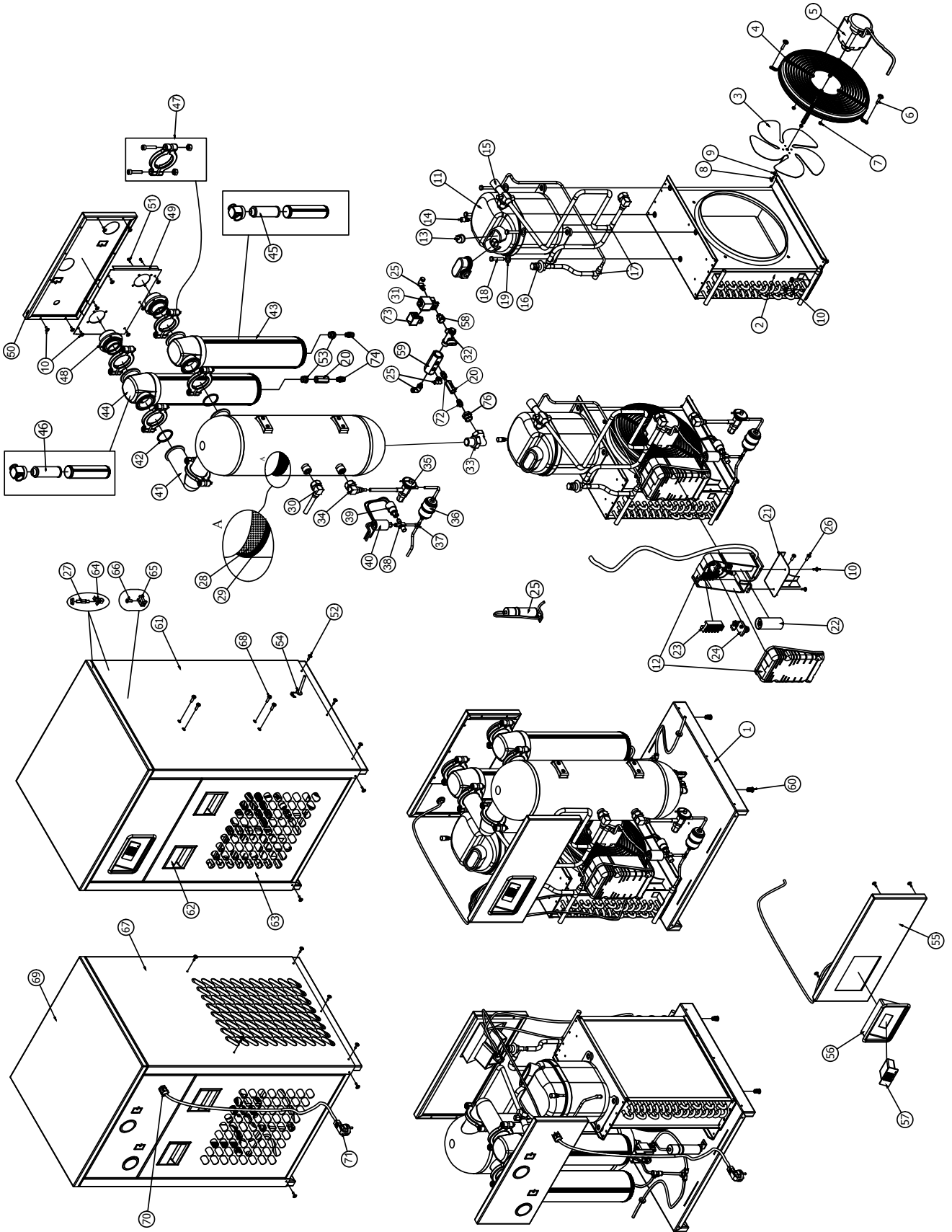
# ODRD 125


DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
	75	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	74	MK150E-FIT6	1 / 4" - 6mm FITTINGS		2
	73	MK260E-SVC	SOLENOID VALVE COIL		1
	72	MK170E-NIP1/4	1 / 4" NIPPLE		2
	71	MK130E-PWC	POWER CABLE		1
	70	MK260E-CG11	CABLE GLAND PG11		1
	69	MK90E-CAT	CABINET TOP		1
	68	MK90E-BLT615	BOLT M6x15		4
	67	MK90E-CLT	CABINET LEFT		1
	66	MK90E-RVT3,5	RIVET Ø3,5		6
	65	MK90E-CSP	CABLE STRAP		6
	64	M-FAS-6000	CABINET FASTENER		8
	63	MK90E-CSG	CABINET STRIPPING		2
	62	M-CHN-6000	CABINET HANDLE (NEW)		4
	61	MK90E-CBR	CABINET RIGHT		1
	60	MK260E-RNT8	RIVET NUT M8		4
	59	MK150E-DCL	DRAIN COLLECTOR		1
	58	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	57	SEE. REF TABLE	DIGITAL CONTROLLER		1
	56	MK130E-PCP	PLASTIC CONTROL PANEL		1
	55	MK90E-COP	CONTROLLER PANEL		1
	54	MK90E-GFD	GASKET FOR DRAIN		1
	53	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	52	N/A	N/A		-
	51	MK90E-BLT610	BOLT M6x10		8
	50	MK90E-CRT	CABINET REAR TOP		1
	49	MK90E-CAI	CABINET INSIDE		1
	48	MK90E-CNK2-NPT	CONNECTION CIT2		2
	47	MK90E-CPG	COUPLING CLAMP		5
	46	MK90E-FIE-Y	COMPRESSED AIR FILTER ELEMENT (Y)		1
	45	MK90E-FIE-X	COMPRESSED AIR FILTER ELEMENT (X)		1
	44	MK90E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	43	MK90E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	42	MK90E-ORG	ORING		5
	41	MK90E-CNK1	CONNECTION CIT1		1
	40	M-FNS-0200	FAN ON/OFF SWITCH		1
	39	M-HPS-0200	HIGH PRESSURE SWITCH		1
	38	MK90E-TDP	ADAPTOR T		1
	37	MK90E-CPT2	CUPPER T2		1
	36	M-DRI-0200	DRYER-DEHYDRATOR		1
	35	M-EXV-0200	EXPANSION VALVE		1
	34	N/A	N/A		-
	33	MK260E-ELW2	ELBOW 2		1
	32	M-DBV-0200	DRAIN BALL VALVE		1
	31	SEE. REF TABLE	SOLENOID VALVE		1
	30	MK110E-RTA2	ROTOLOCK ADAPTOR2		2
	29	MK90E-IHE	INSULATION OF HEAT EXCHANGER		1
	28	MK90E-EXC	HEAT EXCHANGER		1
	27	M-STU-6000	CABINET STUD AND NUT		8
	26	MK90E-RVT4	RIVET Ø4		2
	25	MK170E-EWF	90° 1 / 4" - 6mm ELBOW		1
	24	SEE. REF TABLE	COMPRESSOR START RELAY		1
	23	MK110E-TRM	THERMINAL BLOCK		1
	22	SEE. REF TABLE	COMPRESSOR START CAPACITOR		1
	21	MK90E-ELBS	ELECTRICAL BOX LOWER SUPPORT PLATE		1
	20	MK170E-CHV	CHECH VALVE		2
	19	MK260E-WHR22	WASHER Ø22xØ8,5x2,5		4
	18	MK150E-BLT840	BOLT M8x40		4
	17	MK90E-CPT1	CUPPER T1		2
	16	M-BYV-0400	BY-PASS VALVE		1
	15	MK130E-RTA1	ROTOLOCK ADAPTOR1		1
	14	MK260E-STC	SETTING THE CONNECTION		1
	13	SEE. REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	12	SEE. REF TABLE	COMPRESSOR ELECTRICAL BOX		1
	11	SEE. REF TABLE	COMPRESSOR		1
	10	MK90E-BLT412	BOLT M4x12		30
	9	MK110E-WHR20	WASHER Ø20xØ4,3x1,5		1
	8	MK110E-BLT414	BOLT M4x14mm		1
	7	MK110E-NT4	NUT M4		4
	6	MK260E-BLT630	BOLT M6x30		4
	5	SEE. REF TABLE	FAN MOTOR		1
	4	M-GRL-0200	FAN GRILL		1
	3	SEE. REF TABLE	FAN BLADE		1
	2	MK90E-CON	CONDANSER		1
	1	MK90E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 140



8.1 - ED & Spare Part List

# ODRD 140

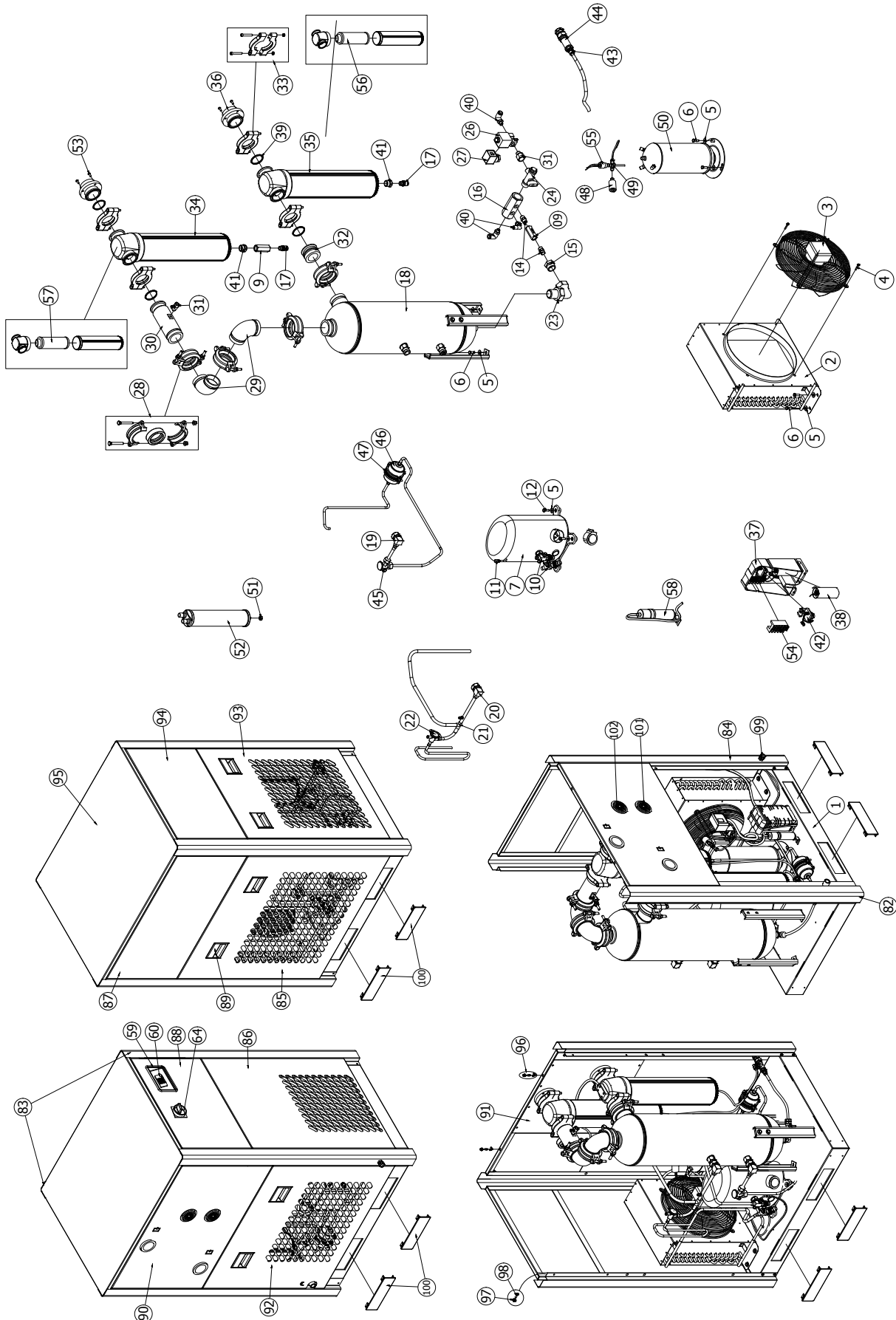
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DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN BLADE	FAN MOTOR	COMPRESSOR	COMPRESSOR ELECTRICAL BOX	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR START CAPASITOR	COMPRESSOR START RELAY
ODRD-140	140 SCFM	ODRD-140	220V/1Ph/50Hz	AIR COOLED	M-FAN-0200	M-CMP-0200-220-1-50	M-COP-0200-220-1-50	M-CEB-0200-220-1-50	M-COP-0200-220-1-50	M-CSC-0200-220-1-50	M-CSR-0200-220-1-50
ODRD-140	140 SCFM	ODRD-140	230V/1Ph/60Hz	AIR COOLED	MK110E-FAN-T	M-FMT-0200	M-CMP-0200-230-1-60	M-CEB-0200-230-1-60	M-COP-0200-230-1-60	M-CSC-0200-230-1-60	M-CSR-0200-230-1-60

DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
	76	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	75	MK170E-EWF	90* 1 / 4" - 6mm ELBOW		1
	74	MK150E-FIT6	1 / 4" - 6mm FITTINGS		2
	73	MK260E-SVC	SOLENOID VALVE COIL		1
	72	MK170E-NIP1/4	1 / 4" NIPPLE		2
	71	MK130E-PWC	POWER CABLE		1
	70	MK260E-CG11	CABLE GLAND PG11		1
	69	MK90E-CAT	CABINET TOP		1
	68	MK90E-BLT615	BOLT M6x15		4
	67	MK90E-CLT	CABINET LEFT		1
	66	MK90E-RVT3,5	RIVET Ø3,5		6
	65	MK90E-CSP	CABLE STRAP		6
	64	M-FAS-6000	CABINET FASTENER		8
	63	MK90E-CSG	CABINET STRIPPING		2
	62	M-CHN-6000	CABINET HANDLE (NEW)		4
	61	MK90E-CBR	CABINET RIGHT		1
	60	MK260E-RNT8	RIVET NUT M8		4
	59	MK150E-DCL	DRAIN COLLECTOR		1
	58	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	57	MK130E-DPI	DIGITAL CONTROLLER		1
	56	MK130E-PCP	PLASTIC CONTROL PANEL		1
	55	MK90E-COP	CONTROLLER PANEL		1
	54	MK90E-GFD	GASKET FOR DRAIN		1
	53	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	52	MK170E-EWF	90* 1 / 4" - 6mm ELBOW		1
	51	MK90E-BLT610	BOLT M6x10		8
	50	MK90E-CRT	CABINET REAR TOP		1
	49	MK90E-CAI	CABINET INSIDE		1
	48	MK90E-CNK2-NPT	CONNECTION CIT2		2
	47	MK90E-CPG	COUPLING CLAMP		5
	46	MK90E-FIE-Y	COMPRESSED AIR FILTER ELEMENT (Y)		1
	45	MK90E-FIE-X	COMPRESSED AIR FILTER ELEMENT (X)		1
	44	MK90E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	43	MK90E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	42	MK90E-ORG	ORING		5
	41	MK90E-CNK1	CONNECTION CIT1		1
	40	M-FNS-0200	FAN ON/OFF SWITCH		1
	39	M-HPS-0200	HIGH PRESSURE SWITCH		1
	38	MK90E-TDP	ADAPTOR T		1
	37	MK90E-CPT2	CUPPER T2		1
	36	M-DRI-0200	DRYER-DEHYDRATOR		1
	35	M-EXV-0200	EXPANSION VALVE		1
	34	MK100E-RTA3	ROTOLOCK ADAPTOR3		1
	33	MK260E-ELW2	ELBOW 2		1
	32	M-DBV-0200	DRAIN BALL VALVE		1
	31	M-SLV-0325-230	SOLENOID VALVE		1
	30	MK110E-RTA2	ROTOLOCK ADAPTOR2		1
	29	MK90E-IHE	INSULATION OF HEAT EXCHANGER		1
	28	MK90E-EXC	HEAT EXCHANGER		1
	27	M-STU-6000	CABINET STUD AND NUT		8
	26	MK90E-RVT4	RIVET Ø4		2
	25	M-RUN-0200	RUN CAPACITOR		1
	24	SEE.REF TABLE	COMPRESSOR START RELAY		1
	23	MK110E-TRM	THERMINAL BLOCK		1
	22	SEE.REF TABLE	COMPRESSOR START CAPACITOR		1
	21	MK90E-ELBS	ELECTRICAL BOX LOWER SUPPORT PLATE		1
	20	MK170E-CHV	CHECH VALVE		2
	19	MK260E-WHR22	WASHER Ø22xØ8,5x2,5		4
	18	MK150E-BLT840	BOLT M8x40		4
	17	MK90E-CPT1	CUPPER T1		2
	16	M-BYV-0400	BY-PASS VALVE		1
	15	MK130E-RTA1	ROTOLOCK ADAPTOR1		1
	14	MK260E-STC	SETTING THE CONNECTION		1
	13	SEE.REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	12	SEE.REF TABLE	COMPRESSOR ELECTRICAL BOX		1
	11	SEE.REF TABLE	COMPRESSOR		1
	10	MK90E-BLT412	BOLT M4x12		30
	9	MK110E-WHR20	WASHER Ø20xØ4,3x1,5		1
	8	MK110E-BLT414	BOLT M4x14mm		1
	7	MK110E-NT4	NUT M4		4
	6	MK260E-BLT630	BOLT M6x30		4
	5	SEE.REF TABLE	FAN MOTOR		1
	4	M-GRL-0200	FAN GRILL		1
	3	SEE.REF TABLE	FAN BLADE		1
	2	MK90E-CON	CONDANSER		1
	1	MK90E-CAB	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO.	DESCRIPTION	REV	QTY
PART LIST					

# 8.1 - ED & Spare Part List

## ODRD 175 (1P)



# 8.1 - ED & Spare Part List

## ODRD 175 (1P)

DECAL	CAPACITY	DRIVER PART NUMBER	POWER RATINGS	COOLING	CONDENSER	FAN MOTOR	COMPRESSOR	SOLENOID VALVE	COMPRESSOR ELECTRICAL BOX	COMPRESSOR START CAPACITOR	COMPRESSOR START RELAY	RUN CAPACITOR
ODRD-175	175 SCFM	ODRD-175	220V/1PH/50Hz	AIR COOLED	MK110E-CON	MK110E-FMT	M-CMP-0200-220-1-50	M-SLV-032.5-230	M-CEB-0200-220-1-50	M-CSC-0200-220-1-50	M-CSR-0200-220-1-50	M-RUN-0200
ODRD-175	175 SCFM	ODRD-175	230V/1PH/60Hz	AIR COOLED	MK120E-CON	M-FMT-032.5	M-CMP-0200-230-1-60	M-SLV-032.5-230	M-CEB-0200-230-1-60	M-CSC-0200-230-1-60	M-CSR-0200-230-1-60	M-RUN-0200

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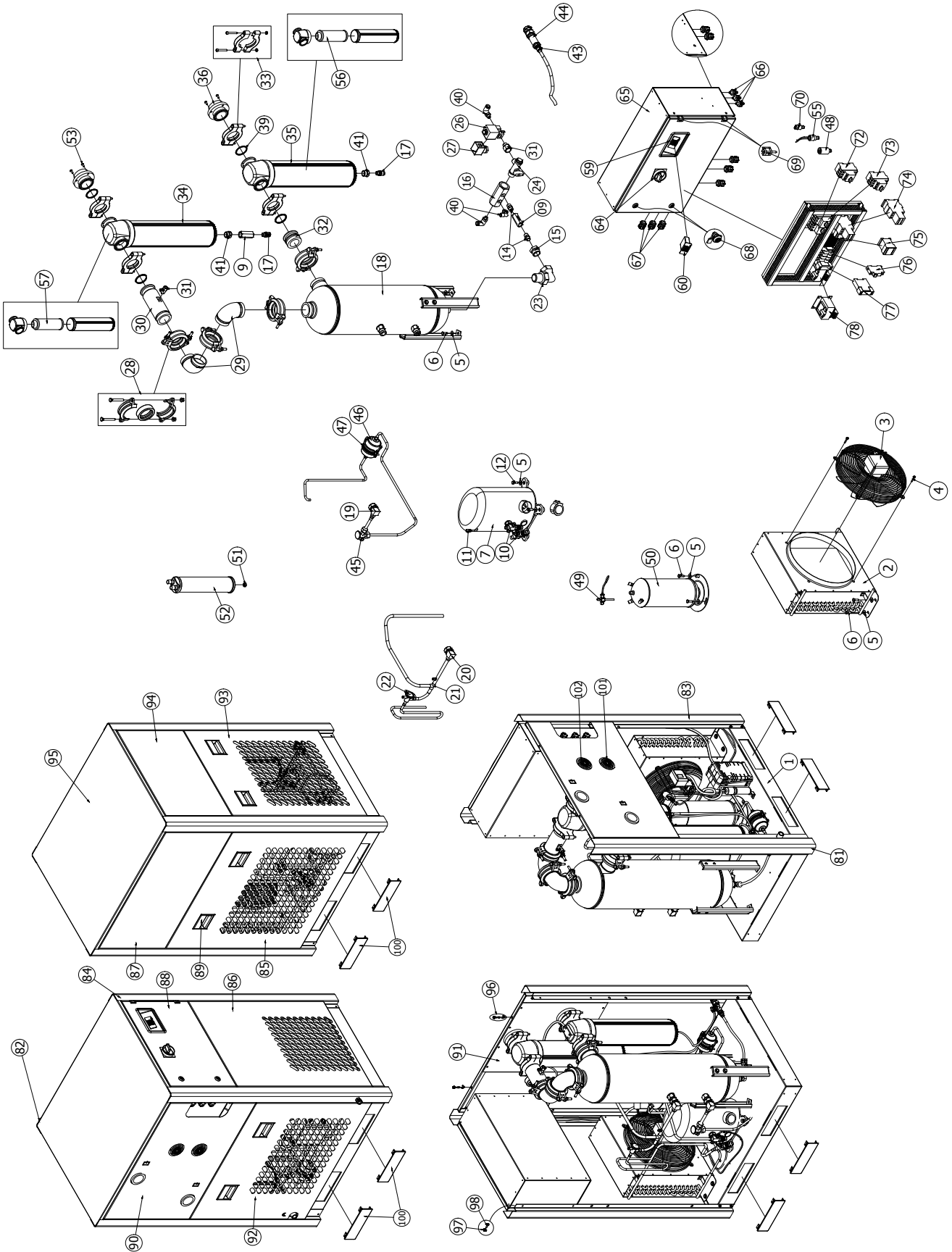
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DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	MK260E-CG11	CABLE GLAND PG11		1
	98	MK260E-BLT826	BOLT M8x25		24
	97	M-NUT-6000	CAGE NUTS M6		24
	96	M-FAS-6000	CABINET FASTENER		14
	95	MK110E-CAT-US	CABINET TOP		1
	94	MK110E-CRT-US	CABINET REAR TOP		1
	93	MK110E-CRB-US	CABINET REAR BOTTOM		1
	92	MK110E-CBL-US	CABINET BOTTOM LEFT		1
	91	MK110E-CAI	CABINET INSIDE		1
	90	MK110E-CUL-US	CABINET UPPER LEFT		1
	89	M-CHN-6000	CABINET HANDLE		6
	88	MK110E-CNP	CONTROLLER PANEL		1
	87	MK110E-CUR-US	CABINET UPPER RIGHT		1
	86	MK110E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK110E-CLR-US	CABINET LOWER RIGHT		1
	84	MK110E-CAL3	CABINET LEG3		1
	83	MK110E-CAL2	CABINET LEG2		2
	82	MK110E-CAL1-US	CABINET LEG1		1
	81	N/A	N/A		-
	80	N/A	N/A		-
	79	N/A	N/A		-
	78	N/A	N/A		-
	77	N/A	N/A		-
	76	N/A	N/A		-
	75	N/A	N/A		-
	74	N/A	N/A		-
	73	N/A	N/A		-
	72	N/A	N/A		-
	71	MK130E-ELP	ELECTRICAL PANEL		1
	70	N/A	N/A		-
	69	N/A	N/A		-
	68	N/A	N/A		-
	67	N/A	N/A		-
	66	N/A	N/A		-
	65	N/A	N/A		-
	64	MK130E-MSW	MAIN SWITCH		1
	63	N/A	N/A		-
	62	N/A	N/A		-
	61	N/A	N/A		-
	60	MK130E-DPI	DIGITAL CONTROLLER		1
	59	MK130E-PCP	PLASTIC CONTROL PANEL		1
	58	SEE.REF TABLE	RUN CAPACITOR		1
	57	MK100E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	56	MK100E-FIE-X	COMPRESSED AIR FILTER (X)		1
	55	M-HPS-0200	HIGH PRESSURE SWICH		1
	54	MK110E-TRM	THERMINAL BLOCK		1
	53	MK170E-BLT815	BOLT M8x15		8
	52	M-SPR-0400	SEPERATOR		1
	51	MK150E-NT10	NUT M10		1
	50	MK110E-RCV	LIQUID RECEIVER		1
	49	MK260E-TDP	T ADAPTOR		1
	48	M-FNS-0200	FAN ON/OFF SWITCH		1
	47	MK120E-FDC	FILTER DRIER CLAMP		1
	46	M-DRI-0400	DRYER-DEHYDRATOR		1
	45	M-EXV-0200	EXPANSION VALVE		1
	44	MK130E-DRS-NPT	DRAIN SLEEVE		1
	43	MK260E-FTT2	FITTING 2		1
	42	SEE.REF TABLE	COMPRESSOR START RELAY		1
	41	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	40	MK170E-EWF	90° 1 / 4" - 6mm ELBOW		1
	39	MK170E-ORG	ORING		4
	38	SEE.REF TABLE	COMPRESSOR START CAPACITOR		1
	37	SEE.REF TABLE	COMPRESSOR ELECTRICAL BOX		1
	36	MK110E-CNK3-US	CONNECTION CIT3		2
	35	MK100E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	34	MK100E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	33	MK170E-CFG2	COUPLING CLAMP2		4
	32	MK110E-CNK2	CONNECTION CIT2		1
	31	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	30	MK110E-CNK1	CONNECTION CIT1		1
	29	MK170E-ELW2	ELBOW2		2
	28	MK260E-CPG1	COUPLING CLAMP1		3
	27	MK260E-SVC	SOLENOID VALVE COIL		1
	26	SEE.REF TABLE	SOLENOID VALVE		1
	25	N/A	N/A		-
	24	M-DBV-0200	DRAIN BALL VALVE		1
	23	MK260E-ELW1	ELBOW1		1
	22	M-BYV-0400	BY-PASS VALVE		1
	21	MK260E-CPT1	CUPPER T1		1
	20	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	19	MK260E-RTA2	ROTOLOCK ADAPTOR2		1
	18	MK110E-EXC	HEAT EXCHANGER		1
	17	MK150E-FIT6	1 / 4" - 6mm FITTINGS		3
	16	MK150E-DCL	DRAIN COLLECTOR		-
	15	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	14	MK170E-NIP1/4	1 / 4" NIPPLE		3
	13	N/A	N/A		-
	12	MK260E-BLT850	BOLT M8x50		4
	11	MK150E-STC	SETTING THE CONNECTION		1
	10	MK260E-RTA1	ROTOLOCK ADAPTOR1		2
	09	MK170E-CHV	CHECH VALVE		2
	08	N/A	N/A		-
	07	SEE.REF TABLE	COMPRESSOR		1
	06	MK260E-BLT825	BOLT M8x25		10
	05	MK260E-WHR220	WASHER Ø22x8,2x2,4		14
	04	MK260E-BLT630	BOLT M6x30		4
	03	SEE.REF TABLE	FAN MOTOR		1
	02	SEE.REF TABLE	CANDANSER		1
	01	MK110E-CAB-US	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 175





# 8.1 - ED & Spare Part List

## ODRD 175

(3) (7) (26) (72) (73) (74) (75) (78)

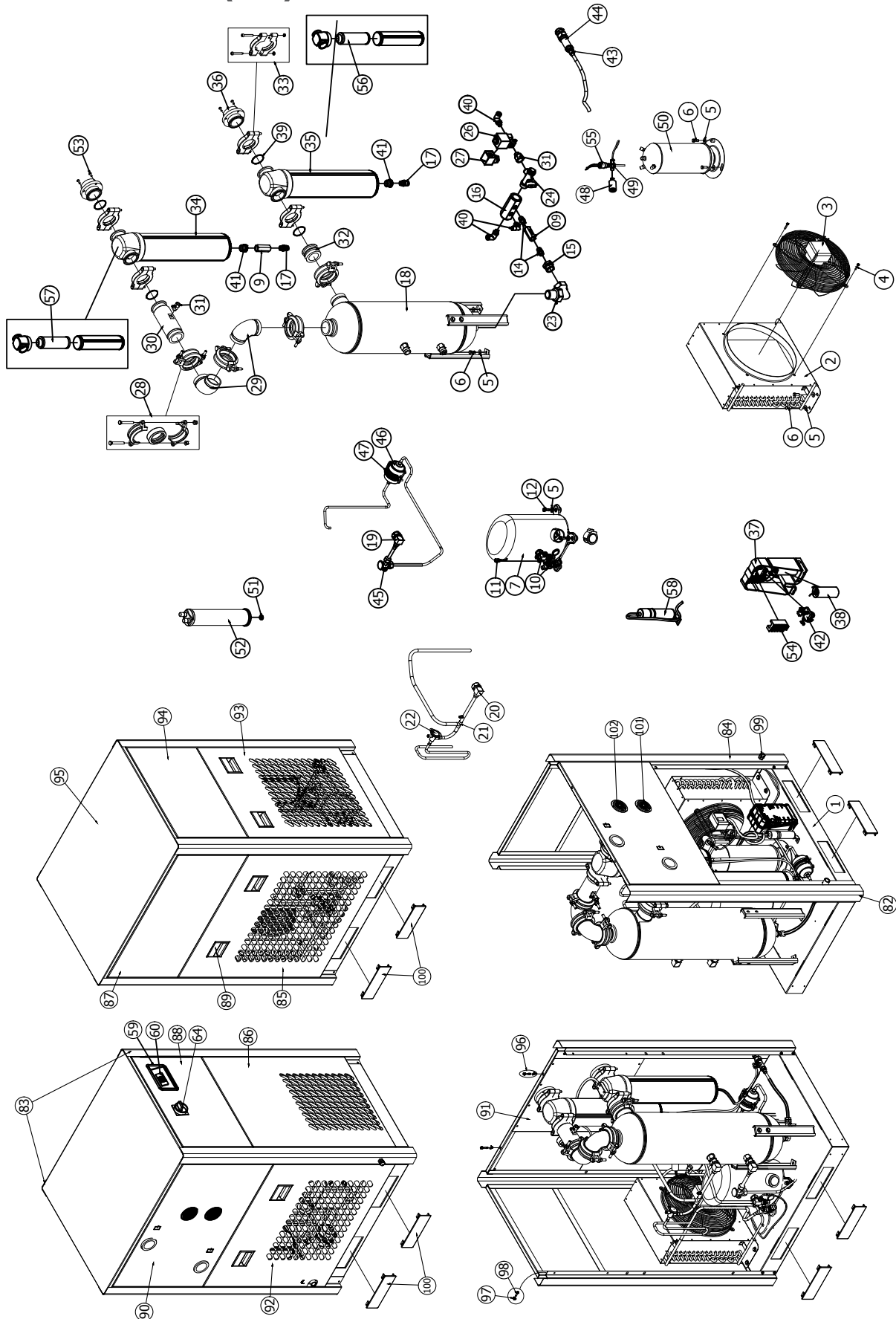
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	SOLENOID VALVE	FAN OVERLOAD PROTECTIOR	COMPRESSOR OVERLOAD PROTRACTOR	COMPRESSOR CONTACTOR	FAN CONTACTOR	TRANSFORMER
ODRD-175	175 SCFM	ODRD-175	230V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	M-CMP-0200-230-1-60	MK150E-SLV-24	M-FOP-0700-230-3-60	M-COP-0700	M-CNT-0250-230	M-FCN-1200	M-TRF-1600
ODRD-175	175 SCFM	ODRD-175	400V/3Ph/50Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	MK100E-CMP-T	MK150E-SLV-24	M-FOP-0700	M-COP-0325	M-CNT-MP	M-FCN-1200	MK260E-TRF
ODRD-175	175 SCFM	ODRD-175	460V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	MK100E-CMP-T	MK150E-SLV-24	M-FOP-0700	M-COP-0325	M-CNT-MP	M-FCN-1200	M-TRF-1600

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	N/A	N/A		-
	98	MK260E-BLT826	BOLT M8x25		24
	97	M-NUT-6000	CAGE NUTS M6		24
	96	M-FAS-6000	CABINET FASTENER		14
	95	MK110E-CAT-US	CABINET TOP		1
	94	MK110E-CRT-US	CABINET REAR TOP		1
	93	MK110E-CRB-US	CABINET REAR BOTTOM		1
	92	MK110E-CBL-US	CABINET BOTTOM LEFT		1
	91	MK110E-CAI	CABINET INSIDE		1
	90	MK110E-CUL-US-T	CABINET UPPER LEFT		1
	89	M-CHN-6000	CABINET HANDLE		6
	88	MK110E-CNP-US	CONTROLLER PANEL		1
	87	MK110E-CUR-US	CABINET UPPER RIGHT		1
	86	MK110E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK110E-CLR-US	CABINET LOWER RIGHT		1
	84	MK110E-CAL4-US	CABINET LEG4		1
	83	MK110E-CAL3-US	CABINET LEG3		1
	82	MK110E-CAL2	CABINET LEG2		1
	81	MK110E-CAL1-US	CABINET LEG1		1
	80	N/A	N/A		-
	79	N/A	N/A		-
	78	SEE REF TABLE	TRANSFORMER		1
	77	M-PPR-6000	PHASE PROTECTION RELAY		1
	76	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	75	SEE REF TABLE	FAN CONTACTOR		1
	74	SEE REF TABLE	COMPRESSOR CONTACTOR		1
	73	SEE REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	72	SEE REF TABLE	FAN OVERLOAD PROTECTOR		1
	71	MK130E-ELP	ELECTRICAL PANEL		1
	70	MK260E-LPS	LOW PRESSURE SWICH		1
	69	MK260E-HNG	HINGE		2
	68	MK260E-DLK	DOOR LOCK		2
	67	MK260E-CG16	CABLE GLAND PG16		8
	66	MK260E-SCF	SWITCH CONNECTION FITTING		3
	65	MK130E-ELB-US	ELECTRICAL BOX		1
	64	MK130E-MSW	MAIN SWITCH		1
	63	N/A	N/A		-
	62	N/A	N/A		-
	61	N/A	N/A		-
	60	MK130E-DPI-24	DIGITAL CONTROLLER		1
	59	MK130E-PCP	PLASTIC CONTROL PANEL		1
	58	N/A	N/A		-
	57	MK100E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	56	MK100E-FIE-X	COMPRESSED AIR FILTER (X)		1
	55	M-HPS-0200	HIGH PRESSURE SWICH		1
	54	N/A	N/A		-
	53	MK170E-BLT815	BOLT M8x15		8
	52	M-SPR-0400	SEPERATOR		1
	51	MK150E-NT10	NUT M10		1
	50	MK110E-RCV	LIQUID RECEIVER		1
	49	MK260E-TDP	T ADAPTOR		1
	48	M-FNS-0200	FAN ON/OFF SWITCH		1
	47	MK120E-FDC	FILTER DRIER CLAMP		1
	46	M-DR1-0400	DRYER-DEHYDRATOR		1
	45	M-EXV-0200	EXPANSION VALVE		1
	44	MK130E-DRS-NPT	DRAIN SLEEVE		1
	43	MK260E-FTT2	FITTING 2		1
	42	N/A	N/A		-
	41	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	40	MK170E-EWF	90° 1 / 4" - 6mm ELBOW		1
	39	MK170E-ORG	ORING		4
	38	N/A	N/A		-
	37	N/A	N/A		-
	36	MK110E-CNK3-US	CONNECTION CIT3		2
	35	MK100E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	34	MK100E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	33	MK170E-CPG2	COUPLING CLAMP2		4
	32	MK110E-CNK2	CONNECTION CIT2		1
	31	N/A	N/A		-
	30	MK110E-CNK1	CONNECTION CIT1		1
	29	MK170E-ELW2	ELBOW2		2
	28	MK260E-CPG1	COUPLING CLAMP1		3
	27	MK260E-SVC	SOLENOID VALVE COIL		1
	26	SEE REF TABLE	SOLENOID VALVE		1
	25	MK260E-DRN	DRAIN NUT		1
	24	M-DBV-0200	DRAIN BALL VALVE		1
	23	MK260E-ELW1	ELBOW1		1
	22	M-BYV-0400	BY-PASS VALVE		1
	21	MK260E-CPT1	CUPPER T1		1
	20	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	19	MK260E-RTA2	ROTOLOCK ADAPTOR2		1
	18	MK110E-EXC	HEAT EXCHANGER		1
	17	MK150E-FIT6	1 / 4" - 6mm FITTINGS		3
	16	MK150E-DCL	DRAIN COLLECTOR		-
	15	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		1
	14	MK170E-NIP1/4	1 / 4" NIPPLE		3
	13	N/A	N/A		-
	12	MK260E-BLT850	BOLT M8x50		4
	11	MK150E-STC	SETTING THE CONNECTION		1
	10	MK260E-RTA1	ROTOLOCK ADAPTOR1		2
	09	MK170E-CHV	CHECK VALVE		2
	08	N/A	N/A		-
	07	SEE REF TABLE	COMPRESSOR		1
	06	MK260E-BLT825	BOLT M8x25		10
	05	MK260E-WHR22	WASHER Ø22x8,2x2,4		14
	04	MK260E-BLT630	BOLT M6x30		4
	03	SEE REF TABLE	FAN MOTOR		1
	02	MK120E-CON	CONDANSER		1
	01	MK110E-CAB-US	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 200 (1P)





# 8.1 - ED & Spare Part List

## ODRD 200 (1P)

(58) (42) (38) (37) (26) (7) (3) (2)

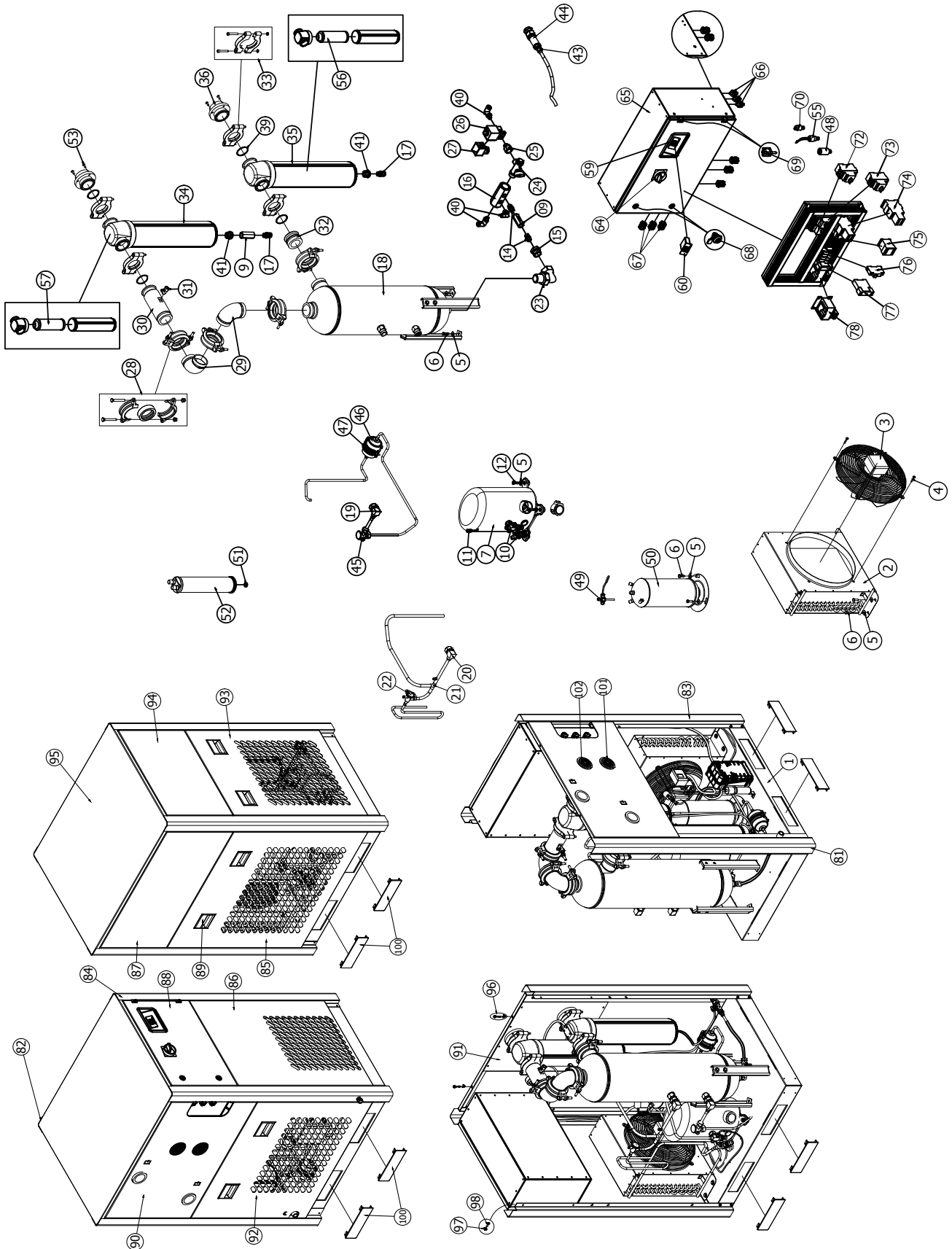
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	CONDENSER	FAN MOTOR	COMPRESSOR	SOLENOID VALVE	COMPRESSOR ELECTRICAL BOX	COMPRESSOR START CAPACITOR	COMPRESSOR START RELAY	RUN CAPACITOR
ODRD-200	300 SCFM	ODRD-200	220V/1PH/50Hz	AIR COOLED	MK110E-CO1	MK110E-FMT	MK110E-CMP	M-SLV-0325-230	MK110E-CEB	MK110E-CSC	MK110E-CSR	MK110E-RUN
ODRD-200	300 SCFM	ODRD-200	230V/1PH/60Hz	AIR COOLED	MK120E-CO1	M-FMT-0325	M-CMP-0250-230-I-60	M-SLV-0325-230	M-CEB-0250-230-I-60	M-CSC-0250-230-I-60	M-CSR-0250-230-I-60	M-RUN-0250

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	MK260E-CG11	CABLE GLAND PG11		1
	98	MK260E-BLT826	BOLT M8x25		24
	97	M-NUT-6000	CAGE NUTS M6		24
	96	M-FAS-6000	CABINET FASTENER		14
	95	MK110E-CAT-US	CABINET TOP		1
	94	MK110E-CRT-US	CABINET REAR TOP		1
	93	MK110E-CRB-US	CABINET REAR BOTTOM		1
	92	MK110E-CBL-US	CABINET BOTTOM LEFT		1
	91	MK110E-CAI	CABINET INSIDE		1
	90	MK110E-CUL-US	CABINET UPPER LEFT		1
	89	M-CHN-6000	CABINET HANDLE		6
	88	MK110E-CNP	CONTROLLER PANEL		1
	87	MK110E-CUR-US	CABINET UPPER RIGHT		1
	86	MK110E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK110E-CLR-US	CABINET LOWER RIGHT		1
	84	MK110E-CAL3	CABINET LEG3		1
	83	MK110E-CAL2	CABINET LEG2		2
	82	MK110E-CAL1-US	CABINET LEG1		1
	81	N/A	N/A		-
	80	N/A	N/A		-
	79	N/A	N/A		-
	78	N/A	N/A		-
	77	N/A	N/A		-
	76	N/A	N/A		-
	75	N/A	N/A		-
	74	N/A	N/A		-
	73	N/A	N/A		-
	72	N/A	N/A		-
	71	MK130E-ELP	ELECTRICAL PANEL		1
	70	N/A	N/A		-
	69	N/A	N/A		-
	68	N/A	N/A		-
	67	N/A	N/A		-
	66	N/A	N/A		-
	65	N/A	N/A		-
	64	MK130E-MSW	MAIN SWITCH		1
	63	N/A	N/A		-
	62	N/A	N/A		-
	61	N/A	N/A		-
	60	MK130E-DPI	DIGITAL CONTROLLER		1
	59	MK130E-PCP	PLASTIC CONTROL PANEL		1
	58	SEE REF TABLE	RUN CAPACITOR		1
	57	MK130E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	56	MK130E-FIE-X	COMPRESSED AIR FILTER (X)		1
	55	M-HPS-0200	HIGH PRESSURE SWICH		1
	54	MK110E-TRM	THERMAL BLOCK		1
	53	MK170E-BLT815	BOLT M8x15		8
	52	M-SPR-0400	SEPERATOR		1
	51	MK150E-NT10	NUT M10		1
	50	MK110E-RCV	LIQUID RECEIVER		1
	49	MK260E-TDP	T ADAPTOR		1
	48	M-FNS-0200	FAN ON/OFF SWITCH		1
	47	MK120E-FDC	FILTER DRIER CLAMP		1
	46	M-DRI-0400	DRYER-DEHYDRATOR		1
	45	M-EXV-0250	EXPANSION VALVE		1
	44	MK130E-DRS-NPT	DRAIN SLEEVE		1
	43	MK260E-FTT2	FITTING 2		1
	42	SEE REF TABLE	COMPRESSOR START RELAY		1
	41	MK260E-RDC	REDUCTION 1/2" - 1/4"		2
	40	MK170E-EWF	90° 1/4" - 6mm ELBOW		1
	39	MK170E-ORG	ORING		4
	38	SEE REF TABLE	COMPRESSOR START CAPACITOR		1
	37	SEE REF TABLE	COMPRESSOR ELECTRICAL BOX		1
	36	MK110E-CNK3-US	CONNECTION CIT3		2
	35	MK130E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	34	MK130E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	33	MK170E-CPG2	COUPLING CLAMP2		4
	32	MK110E-CNK2	CONNECTION CIT2		1
	31	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	30	MK110E-CNK1	CONNECTION CIT1		1
	29	MK170E-ELW2	ELBOW2		2
	28	MK260E-CPG1	COUPLING CLAMP1		3
	27	MK260E-SVC	SOLENOID VALVE COIL		1
	26	SEE REF TABLE	SOLENOID VALVE		1
	25	N/A	N/A		-
	24	M-DBV-0200	DRAIN BALL VALVE		1
	23	MK260E-ELW1	ELBOW1		1
	22	M-BYV-0400	BY-PASS VALVE		1
	21	MK260E-CPT1	CUPPER T1		1
	20	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	19	MK260E-RTA2	ROTOLOCK ADAPTOR2		1
	18	MK110E-EXC	HEAT EXCHANGER		1
	17	MK150E-FIT6	1/4" - 6mm FITTINGS		3
	16	MK150E-DCL	DRAIN COLLECTOR		-
	15	MK260D-RDC	REDUCTION 1/2" - 1/4"		2
	14	MK170E-NIP1/4	1/4" NIPPLE		3
	13	N/A	N/A		-
	12	MK260E-BLT850	BOLT M8x50		4
	11	MK150E-STC	SETTING THE CONNECTION		1
	10	MK260E-RTA1	ROTOLOCK ADAPTOR1		2
	09	MK170E-CHV	CHECH VALVE		2
	08	N/A	N/A		-
	07	SEE REF TABLE	COMPRESSOR		1
	06	MK260E-BLT825	BOLT M8x25		10
	05	MK260E-WHR22	WASHER Ø22x8,2x2,4		14
	04	MK260E-BLT630	BOLT M6x30		4
	03	SEE REF TABLE	FAN MOTOR		1
	02	SEE REF TABLE	CONDANSER		1
	01	MK110E-CAB-US	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 200



8.1 - ED & Spare Part List

**ODRD 200**

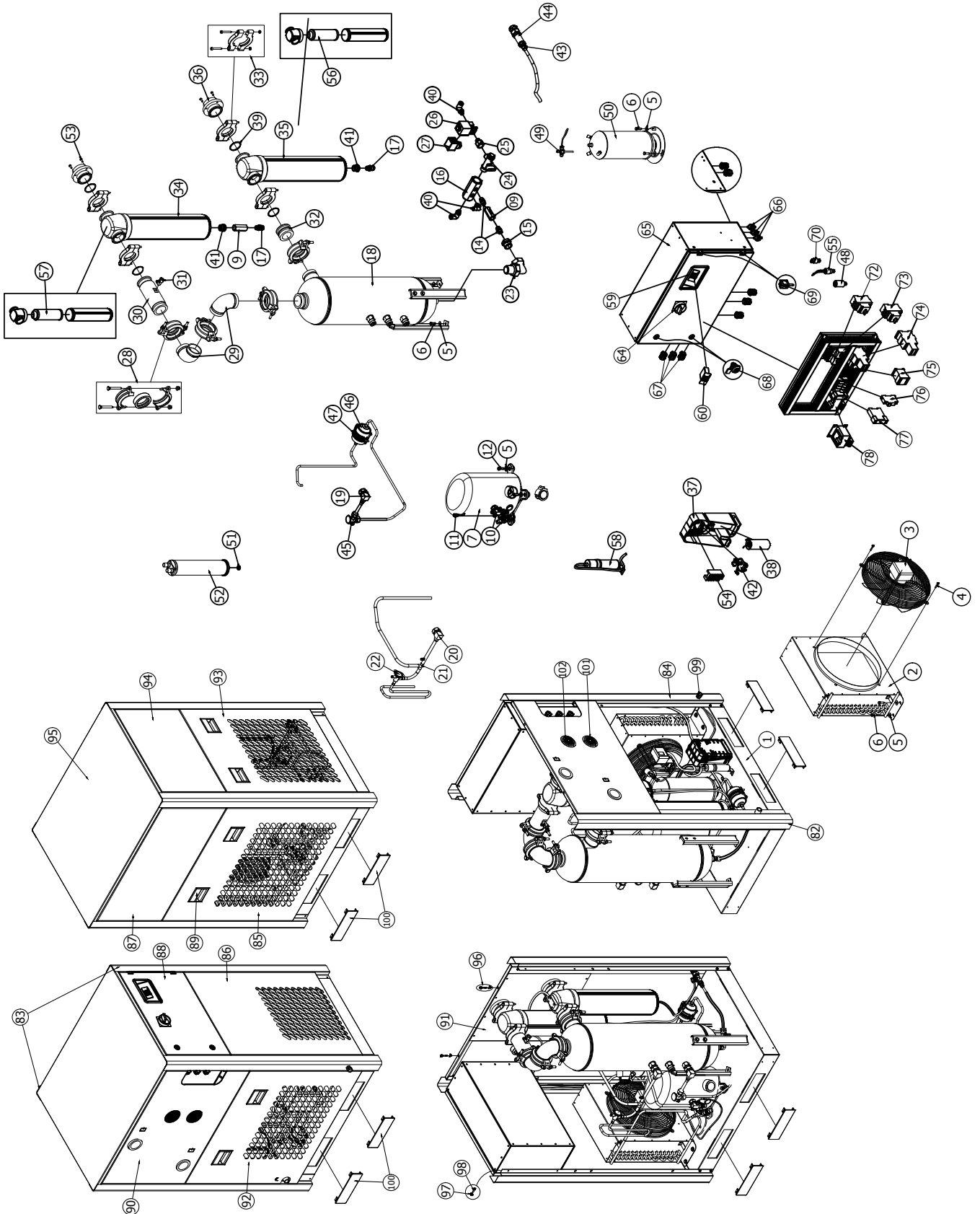
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	SOLENOID VALVE	FAN OVERLOAD PROTRACTOR	COMPRESSOR OVERLOAD PROTRACTOR	COMPRESSOR CONTACTOR	FAN CONTACTOR	TRANSFORMER
ODRD-200	200 SCFM	ODRD-200	230V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	M-CMP-0250-230-3-60	MK150E-SLV-24	M-FOP-0700-230-3-60	M-COP-0700	M-FCN-1200	M-TRF-1600	78
ODRD-200	200 SCFM	ODRD-200	400V/3Ph/50Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	M-CMP-0250-460-3-60	MK150E-SLV-24	M-FOP-0700	M-COP-0325	M-FCN-1200	M-TRF-1600	75
ODRD-200	200 SCFM	ODRD-200	460V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	M-CMP-0250-460-3-60	MK150E-SLV-24	M-FOP-0700	M-COP-0325	M-FCN-1200	M-TRF-1600	74
ODRD-200	200 SCFM	ODRD-200	575V/3Ph/60Hz	AIR COOLED	M-FMT-0700-575-3-60	M-CMP-0250-575-3-60	MK150E-SLV-24	M-FOP-0700	M-COP-0325	M-FCN-1200	M-TRF-6000-575-3-60	73

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	N/A	N/A		-
	98	MK260E-BLT826	BOLT M8x25		24
	97	M-NUT-6000	CAGE NUTS M6		24
	96	M-FAS-6000	CABINET FASTENER		14
	95	MK110E-CAT-US	CABINET TOP		1
	94	MK110E-CRT-US	CABINET REAR TOP		1
	93	MK110E-CRB-US	CABINET REAR BOTTOM		1
	92	MK110E-CBL-US	CABINET BOTTOM LEFT		1
	91	MK110E-CAI	CABINET INSIDE		1
	90	MK110E-CUL-US-T	CABINET UPPER LEFT		1
	89	M-CHN-6000	CABINET HANDLE		6
	88	MK110E-CNP-US	CONTROLLER PANEL		1
	87	MK110E-CUR-US	CABINET UPPER RIGHT		1
	86	MK110E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK110E-CLR-US	CABINET LOWER RIGHT		1
	84	MK110E-CAL4-US	CABINET LEG4		1
	83	MK110E-CAL3-US	CABINET LEG3		1
	82	MK110E-CAL2	CABINET LEG2		1
	81	MK110E-CAL1-US	CABINET LEG1		1
	80	N/A	N/A		-
	79	N/A	N/A		-
	78	SEE REF TABLE	TRANSFORMER		1
	77	M-PPR-6000	PHASE PROTECTION RELAY		1
	76	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	75	SEE REF TABLE	FAN CONTACTOR		1
	74	SEE REF TABLE	COMPRESSOR CONTACTOR		1
	73	SEE REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	72	SEE REF TABLE	FAN OVERLOAD PROTECTOR		1
	71	MK130E-ELP	ELECTRICAL PANEL		1
	70	MK260E-LPS	LOW PRESSURE SWITCH		1
	69	MK260E-HNG	HINGE		2
	68	MK260E-DLK	DOOR LOCK		2
	67	MK260E-CG16	CABLE GLAND PG16		8
	66	MK260E-SCF	SWITCH CONNECTION FITTING		3
	65	MK130E-ELB-US	ELECTRICAL BOX		1
	64	MK130E-MSW	MAIN SWITCH		1
	63	N/A	N/A		-
	62	N/A	N/A		-
	61	N/A	N/A		-
	60	MK130E-DPI-24	DIGITAL CONTROLLER		1
	59	MK130E-PCP	PLASTIC CONTROL PANEL		1
	58	N/A	N/A		-
	57	MK130E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	56	MK130E-FIE-X	COMPRESSED AIR FILTER (X)		1
	55	M-HPS-0200	HIGH PRESSURE SWITCH		1
	54	N/A	N/A		-
	53	MK170E-BLT815	BOLT M8x15		8
	52	M-SPR-0400	SEPERATOR		1
	51	MK150E-NT10	NUT M10		1
	50	MK110E-RCV	LIQUID RECEIVER		1
	49	MK260E-TDP	T ADAPTOR		1
	48	M-FNS-0200	FAN ON/OFF SWITCH		1
	47	MK120E-FDC	FILTER DRIER CLAMP		1
	46	M-DR1-0400	DRYER-DEHYDRATOR		1
	45	M-EXV-0250	EXPANSION VALVE		1
	44	MK130E-DRS-NPT	DRAIN SLEEVE		1
	43	MK260E-FTT2	FITTING 2		1
	42	N/A	N/A		-
	41	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	40	MK170E-EWF	90° 1 / 4" - 6mm ELBOW		1
	39	MK170E-ORG	ORING		4
	38	N/A	N/A		-
	37	N/A	N/A		-
	36	MK110E-CNK3-US	CONNECTION CIT3		2
	35	MK130E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	34	MK130E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	33	MK170E-CPG2	COUPLING CLAMP2		4
	32	MK110E-CNK2	CONNECTION CIT2		1
	31	MK260E-BLV	BALL VALVE		1
	30	MK110E-CNK1	CONNECTION CIT1		1
	29	MK170E-ELW2	ELBOW2		2
	28	MK260E-CPG1	COUPLING CLAMP1		4
	27	MK260E-SVC	SOLENOID VALVE COIL		1
	26	SEE REF TABLE	SOLENOID VALVE		1
	25	MK260E-DRN	DRAIN NUT		1
	24	M-DBV-0200	DRAIN BALL VALVE		1
	23	MK260E-ELW1	ELBOW1		1
	22	M-BYV-0400	BY-PASS VALVE		1
	21	MK260E-CPT1	CUPPER T1		1
	20	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	19	MK260E-RTA2	ROTOLOCK ADAPTOR2		1
	18	MK110E-EXC	HEAT EXCHANGER		1
	17	MK150E-FIT6	1 / 4" - 6mm FITTINGS		3
	16	MK150E-DCL	DRAIN COLLECTOR		-
	15	MK260D-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	14	MK170E-NIP1/4	1 / 4" NIPPLE		3
	13	N/A	N/A		-
	12	MK260E-BLT850	BOLT M8x50		4
	11	MK150E-STC	SETTING THE CONNECTION		1
	10	MK260E-RTA1	ROTOLOCK ADAPTOR1		2
	09	MK170E-CHV	CHECK VALVE		2
	08	N/A	N/A		-
	07	SEE REF TABLE	COMPRESSOR		1
	06	MK260E-BLT825	BOLT M8x25		10
	05	MK260E-WHR22	WASHER Ø22x8,2x2,4		14
	04	MK260E-BLT630	BOLT M6x30		4
	03	SEE REF TABLE	FAN MOTOR		1
	02	MK120E-CON	CONDANSER		1
	01	MK110E-CAB-US	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 250



8.1 - ED & Spare Part List

ODRD 250

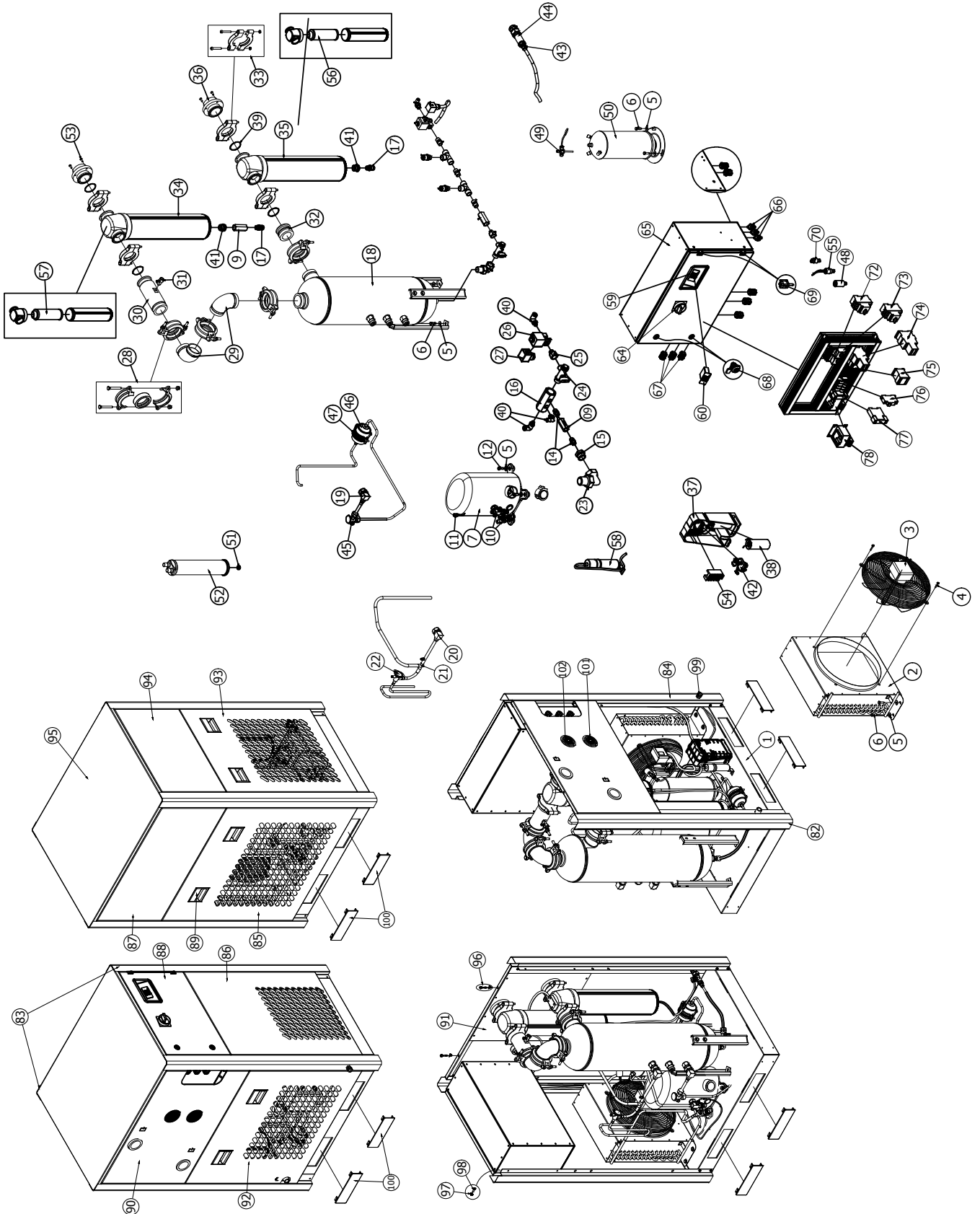
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	SOLENOID VALVE	COMPRESSOR ELECTRICAL BOX	COMPRESSOR START CAPACITOR	COMPRESSOR START RELAY	RUN CAPACITOR	DIGITAL CONTROLLER	FAN OVERLOAD PROTECTOR	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR CONTACTOR	FAN CONTACTOR	TRANSFORMER
ODRD-250	250 SCFM	ODRD-250	230V/1Ph/50Hz	AIR COOLED	M-FMT-0325	M-CMP-0250-230-1-50	M-SI.V-0325-230	M-CEB-0250-230-1-50	M-CSC-0250-230-1-50	M-CSR-0250-230-1-50	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-250	250 SCFM	ODRD-250	230V/1Ph/60Hz	AIR COOLED	M-FMT-0325	M-CMP-0250-230-1-60	M-SI.V-0325-230	M-CEB-0250-230-1-60	M-CSC-0250-230-1-60	M-CSR-0250-230-1-60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-250	250 SCFM	ODRD-250	230V/3Ph/60Hz	AIR COOLED	M-FMT-0700	M-CMP-0250-230-3-60	MK150E-SI.V-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700-230-3-60	M-COP-0700	M-CNT-230	M-FCN-1200	M-TRF-1600
ODRD-250	250 SCFM	ODRD-250	400V/3Ph/50Hz	AIR COOLED	M-FMT-0700	MK153E-CMP	MK150E-SI.V-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700	M-COP-0255	M-CNT-5MP	M-FCN-1200	MK260E-TRF
ODRD-250	250 SCFM	ODRD-250	460V/3Ph/60Hz	AIR COOLED	M-FMT-0700	MK153E-CMP	MK150E-SI.V-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700	M-COP-0255	M-CNT-5MP	M-FCN-1200	M-TRF-1600
ODRD-250	250 SCFM	ODRD-250	575V/3Ph/60Hz	AIR COOLED	M-FMT-0700	MK153E-CMP	MK150E-SI.V-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700	M-COP-0255	M-CNT-5MP	M-FCN-1200	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	MK260E-CG11	CABLE GLAND PG11		1
	98	MK260E-BLT826	BOLT M8x25		24
	97	M-NUT-6000	CAGE NUTS M6		24
	96	M-FAS-6000	CABINET FASTENER		14
	95	MK130E-CAT-US	CABINET TOP		1
	94	MK130E-CRT-US	CABINET REAR TOP		1
	93	MK130E-CRB-US	CABINET REAR BOTTOM		1
	92	MK130E-CBL-US	CABINET BOTTOM LEFT		1
	91	MK130E-CAI	CABINET INSIDE		1
	90	MK130E-CUL-US	CABINET UPPER LEFT		1
	89	M-CHN-6000	CABINET HANDLE		6
	88	MK130E-CNP-US	CONTROLLER PANEL		1
	87	MK130E-CUR-US	CABINET UPPER RIGHT		1
	86	MK130E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK130E-CLR-US	CABINET LOWER RIGHT		1
	84	MK130E-CAL3-US	CABINET LEG3		1
	83	MK130E-CAL2-US	CABINET LEG2		2
	82	MK130E-CAL1-US	CABINET LEG1		1
	81	N/A	N/A		-
	80	N/A	N/A		-
	79	N/A	N/A		-
	78	SEE_REF TABLE	TRANSFORMER		1
	77	M-PPR-6000	PHASE PROTECTION RELAY		1
	76	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	75	SEE_REF TABLE	FAN CONTACTOR		1
	74	SEE_REF TABLE	COMPRESSOR CONTACTOR		1
	73	SEE_REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	72	SEE_REF TABLE	FAN OVERLOAD PROTECTOR		1
	71	MK130E-ELP	ELECTRICAL PANEL		1
	70	MK260E-LPS	LOW PRESSURE SWICH		1
	69	MK260E-HNG	HINGE		2
	68	MK260E-DLK	DOOR LOCK		2
	67	MK260E-CG16	CABLE GLAND PG16		8
	66	MK260E-SCF	SWITCH CONNECTION FITTING		3
	65	MK130E-ELB-US	ELECTRICAL BOX		1
	64	MK130E-MSW	MAIN SWITCH		1
	63	N/A	N/A		-
	62	N/A	N/A		-
	61	N/A	N/A		-
	60	SEE_REF TABLE	DIGITAL CONTROLLER		1
	59	MK130E-PCP	PLASTIC CONTROL PANEL		1
	58	SEE_REF TABLE	RUN CAPACITOR		1
	57	MK130E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	56	MK130E-FIE-X	COMPRESSED AIR FILTER (X)		1
	55	M-HPS-0200	HIGH PRESSURE SWICH		1
	54	MK110E-TRM	THERMINAL BLOCK		1
	53	MK170E-BLT815	BOLT M8x15		8
	52	M-SPR-0400	SEPERATOR		1
	51	MK150E-NT10	NUT M10		1
	50	MK130E-RCV	LIQUID RECEIVER		1
	49	MK260E-TDP	T ADAPTOR		1
	48	M-FNS-0200	FAN ON/OFF SWITCH		1
	47	MK150E-FDC	FILTER DRIER CLAMP		1
	46	M-DRI-0400	DRYER-DEHYDRATOR		1
	45	M-EXV-0250	EXPANSION VALVE		1
	44	MK130E-DRS-NPT	DRAIN SLEEVE		1
	43	MK260E-FTT2	FITTING 2		1
	42	SEE_REF TABLE	COMPRESSOR START RELAY		1
	41	MK260E-RDC	REDUCTION 1/2" - 1/4"		2
	40	MK170E-EWF	90° 1/4" - 6mm ELBOW		1
	39	MK170E-ORG	ORING		4
	38	SEE_REF TABLE	COMPRESSOR START CAPACITOR		1
	37	SEE_REF TABLE	COMPRESSOR ELECTRICAL BOX		1
	36	MK130E-CNK3-US	CONNECTION CIT3		2
	35	MK130E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	34	MK130E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	33	MK170E-CPG2	COUPLING CLAMP2		4
	32	MK130E-CNK2	CONNECTION CIT2		1
	31	MK260E-BLV	BALL VALVE		1
	30	MK130E-CNK1	CONNECTION CIT1		1
	29	MK170E-ELW2	ELBOW2		2
	28	MK260E-CPG1	COUPLING CLAMP1		3
	27	MK260E-SVC	SOLENOID VALVE COIL		1
	26	SEE_REF TABLE	SOLENOID VALVE		1
	25	MK260E-DRN	DRAIN NUT		1
	24	M-DBV-0200	DRAIN BALL VALVE		1
	23	MK260E-ELW1	ELBOW1		1
	22	M-BYV-0400	BY-PASS VALVE		1
	21	MK260E-CPT1	CUPPER T1		1
	20	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	19	MK260E-RTA2	ROTOLOCK ADAPTOR2		1
	18	MK170E-EXC	HEAT EXCHANGER		1
	17	MK150E-FIT6	1/4" - 6mm FITTINGS		3
	16	MK150E-DCL	DRAIN COLLECTOR		-
	15	MK260D-RDC	REDUCTION 1/2" - 1/4"		2
	14	MK170E-NIP14	1/4" NIPPLE		3
	13	N/A	N/A		-
	12	MK260E-BLT850	BOLT M8x50		4
	11	MK150E-STC	SETTING THE CONNECTION		1
	10	MK260E-RTA1	ROTOLOCK ADAPTOR1		2
	09	MK170E-CHV	CHECH VALVE		2
	08	N/A	N/A		-
	07	SEE_REF TABLE	COMPRESSOR		1
	06	MK260E-BLT825	BOLT M8x25		10
	05	MK260E-WHR22	WASHER Ø22x8,2x2,4		14
	04	MK260E-BLT630	BOLT M6x30		4
	03	SEE_REF TABLE	FAN MOTOR		1
	02	MK120E-CON	CONDANSER		1
	01	MK130E-CAB-US	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 350





# 8.1 - ED & Spare Part List

## ODRD 350

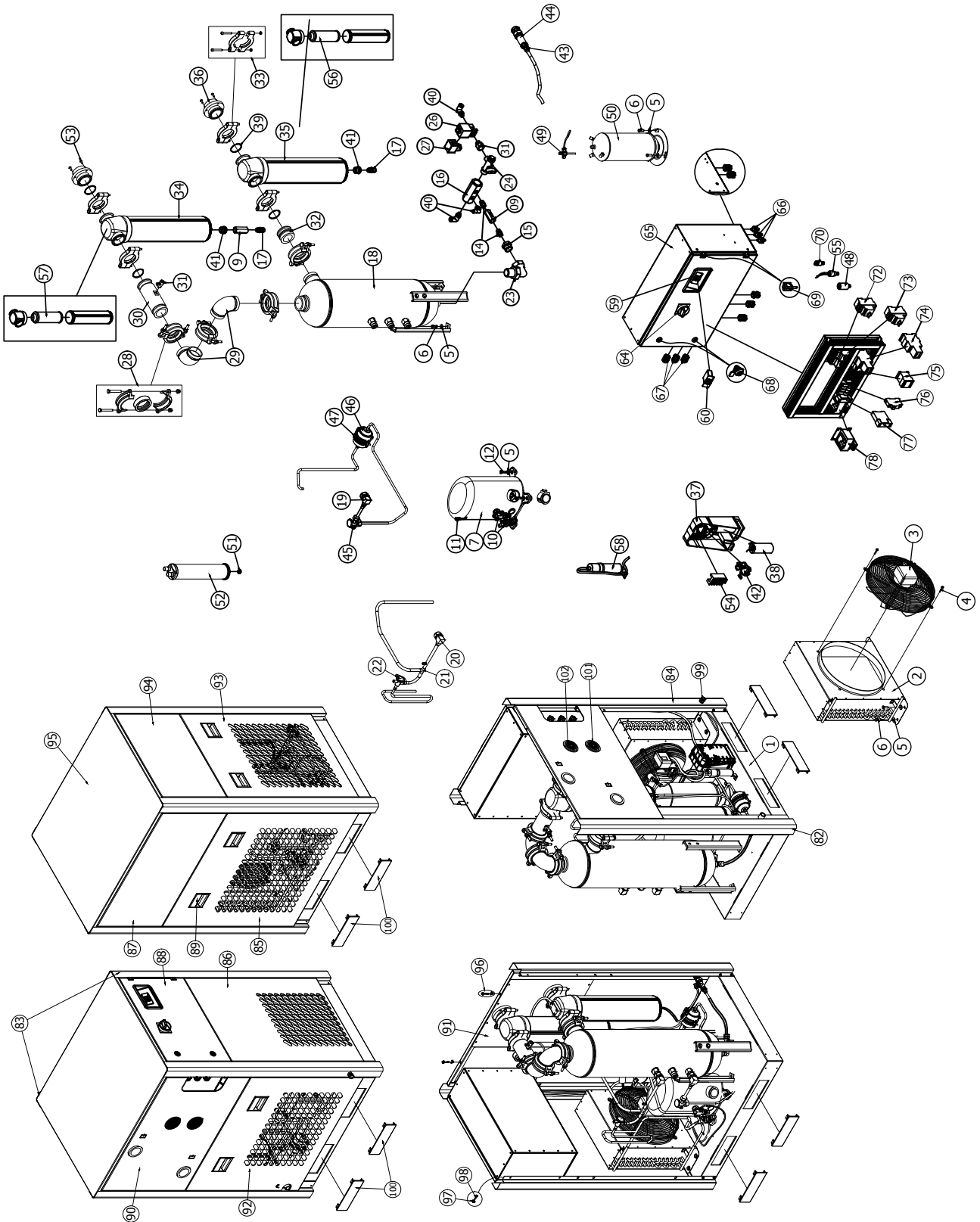
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	SOLENOID VALVE	COMPRESSOR ELECTRICAL BOX	COMPRESSOR START CAPACITOR	COMPRESSOR START RELAY	RUN CAPACITOR	DIGITAL CONTROLLER	FAN OVERLOAD PROTECTOR	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR CONTACTOR	FAN CONTACTOR	TRANSFORMER
ODRD-350	350 SCFM	ODRD-350	230V1PH/60Hz	AIR COOLED	M-FMT-40-25	M-CMP-0250-230-1-50	M-SLV-0325-230	M-CFB-0250-230-1-50	M-CSC-0250-230-1-50	M-CSR-0250-230-1-60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-350	350 SCFM	ODRD-350	230V1PH/60Hz	AIR COOLED	M-FMT-40-25	M-CMP-0250-230-1-50	M-SLV-0325-230	M-CFB-0250-230-1-50	M-CSC-0250-230-1-60	M-CSR-0250-230-1-60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-350	350 SCFM	ODRD-350	230V1PH/60Hz	AIR COOLED	M-FMT-40-25	M-CMP-0250-230-1-50	M-SLV-0325-230	M-CFB-0250-230-1-50	M-CSC-0250-230-1-60	M-CSR-0250-230-1-60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-350	350 SCFM	ODRD-350	400V3PH/50Hz	AIR COOLED	M-FMT-40-25	M-CMP-0250-400-3-50/60	M-SLV-0325-400	M-CFB-0250-400-3-50/60	M-CSC-0250-400-3-50/60	M-CSR-0250-400-3-50/60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-350	350 SCFM	ODRD-350	400V3PH/50Hz	AIR COOLED	M-FMT-40-25	M-CMP-0250-400-3-50/60	M-SLV-0325-400	M-CFB-0250-400-3-50/60	M-CSC-0250-400-3-50/60	M-CSR-0250-400-3-50/60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-350	350 SCFM	ODRD-350	460V3PH/60Hz	AIR COOLED	M-FMT-40-25	M-CMP-0250-460-3-50/60	M-SLV-0325-460	M-CFB-0250-460-3-50/60	M-CSC-0250-460-3-50/60	M-CSR-0250-460-3-50/60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-350	350 SCFM	ODRD-350	575V3PH/60Hz	AIR COOLED	M-FMT-40-25	M-CMP-0250-575-3-60	M-SLV-0325-575	M-CFB-0250-575-3-60	M-CSC-0250-575-3-60	M-CSR-0250-575-3-60	M-RUN-0250	MK130E-DPI	N/A	N/A	N/A	N/A	N/A

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	MK260E-CG11	CABLE GLAND PG11		1
	98	MK260E-BLT826	BOLT M8x25		24
	97	M-NUT-6000	CAGE NUTS M6		24
	96	M-FAS-6000	CABINET FASTENER		14
	95	MK130E-CAT-US	CABINET TOP		1
	94	MK130E-CRT-US	CABINET REAR TOP		1
	93	MK130E-CRB-US	CABINET REAR BOTTOM		1
	92	MK130E-CBL-US	CABINET BOTTOM LEFT		1
	91	MK130E-CAI	CABINET INSIDE		1
	90	MK130E-CUL-US	CABINET UPPER LEFT		1
	89	M-CHN-6000	CABINET HANDLE		6
	88	MK130E-CNP-US	CONTROLLER PANEL		1
	87	MK130E-CUR-US	CABINET UPPER RIGHT		1
	86	MK130E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK130E-CLR-US	CABINET LOWER RIGHT		1
	84	MK130E-CAL3-US	CABINET LEG3		1
	83	MK130E-CAL2-US	CABINET LEG2		2
	82	MK130E-CAL1-US	CABINET LEG1		1
	81	N/A	N/A		-
	80	N/A	N/A		-
	79	N/A	N/A		-
	78	SEE_REF TABLE	TRANSFORMER		1
	77	M-PPR-6000	PHASE PROTECTION RELAY		1
	76	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	75	SEE_REF TABLE	FAN CONTACTOR		1
	74	SEE_REF TABLE	COMPRESSOR CONTACTOR		1
	73	SEE_REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	72	SEE_REF TABLE	FAN OVERLOAD PROTECTOR		1
	71	MK130E-ELP	ELECTRICAL PANEL		1
	70	MK260E-LPS	LOW PRESSURE SWICH		1
	69	MK260E-HNG	HINGE		2
	68	MK260E-DLK	DOOR LOCK		2
	67	MK260E-CG16	CABLE GLAND PG16		8
	66	MK260E-SCF	SWITCH CONNECTION FITTING		3
	65	MK130E-ELB-US	ELECTRICAL BOX		1
	64	MK130E-MSW	MAIN SWITCH		1
	63	N/A	N/A		-
	62	N/A	N/A		-
	61	N/A	N/A		-
	60	SEE_REF TABLE	DIGITAL CONTROLLER		1
	59	MK130E-PCP	PLASTIC CONTROL PANEL		1
	58	SEE_REF TABLE	RUN CAPACITOR		1
	57	MK130E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	56	MK130E-FIE-X	COMPRESSED AIR FILTER (X)		1
	55	M-HPS-0200	HIGH PRESSURE SWICH		1
	54	MK110E-TRM	THERMINAL BLOCK		1
	53	MK170E-BLT815	BOLT M8x15		8
	52	M-SPR-0400	SEPERATOR		1
	51	MK150E-NT10	NUT M10		1
	50	MK130E-RCV	LIQUID RECEIVER		1
	49	MK260E-TDP	T ADAPTOR		1
	48	M-FNS-0200	FAN ON/OFF SWITCH		1
	47	MK150E-FDC	FILTER DRIER CLAMP		1
	46	M-DRI-0400	DRYER-DEHYDRATOR		1
	45	M-EXV-0250	EXPANSION VALVE		1
	44	MK130E-DRS-NPT	DRAIN SLEEVE		1
	43	MK260E-FTT2	FITTING 2		1
	42	SEE_REF TABLE	COMPRESSOR START RELAY		1
	41	MK260E-RDC	REDUCTION 1/2" - 1/4"		2
	40	MK170E-EWF	90° 1/4" - 6mm ELBOW		1
	39	MK170E-ORG	ORING		4
	38	SEE_REF TABLE	COMPRESSOR START CAPACITOR		1
	37	SEE_REF TABLE	COMPRESSOR ELECTRICAL BOX		1
	36	MK130E-CNK3-US	CONNECTION CIT3		2
	35	MK130E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	34	MK130E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	33	MK170E-CPG2	COUPLING CLAMP2		4
	32	MK130E-CNK2	CONNECTION CIT2		1
	31	MK260E-BLV	BALL VALVE		1
	30	MK130E-CNK1	CONNECTION CIT1		1
	29	MK170E-ELW2	ELBOW2		2
	28	MK260E-CPG1	COUPLING CLAMP1		3
	27	MK260E-SVC	SOLENOID VALVE COIL		1
	26	SEE_REF TABLE	SOLENOID VALVE		1
	25	MK260E-DRN	DRAIN NUT		1
	24	M-DBV-0200	DRAIN BALL VALVE		1
	23	MK260E-ELW1	ELBOW1		1
	22	M-BYV-0400	BY-PASS VALVE		1
	21	MK260E-CPT1	CUPPER T1		1
	20	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	19	MK260E-RTA2	ROTOLOCK ADAPTOR2		1
	18	MK170E-EXC	HEAT EXCHANGER		1
	17	MK150E-FIT6	1/4" - 6mm FITTINGS		3
	16	MK150E-DCL	DRAIN COLLECTOR		-
	15	MK260D-RDC	REDUCTION 1/2" - 1/4"		2
	14	MK170E-NIP1/4	1/4" NIPPLE		3
	13	N/A	N/A		-
	12	MK260E-BLT850	BOLT M8x50		4
	11	MK150E-STC	SETTING THE CONNECTION		1
	10	MK260E-RTA1	ROTOLOCK ADAPTOR1		2
	09	MK170E-CHV	CHECH VALVE		2
	08	N/A	N/A		-
	07	SEE_REF TABLE	COMPRESSOR		1
	06	MK260E-BLT825	BOLT M8x25		10
	05	MK260E-WHR22	WASHER Ø22x8,2x2,4		14
	04	MK260E-BLT630	BOLT M6x30		4
	03	SEE_REF TABLE	FAN MOTOR		1
	02	MK120E-CON	CONDANSER		1
	01	MK130E-CAB-US	CABINET BASE		1

PART LIST

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## ODRD 425





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**ODRD 425**

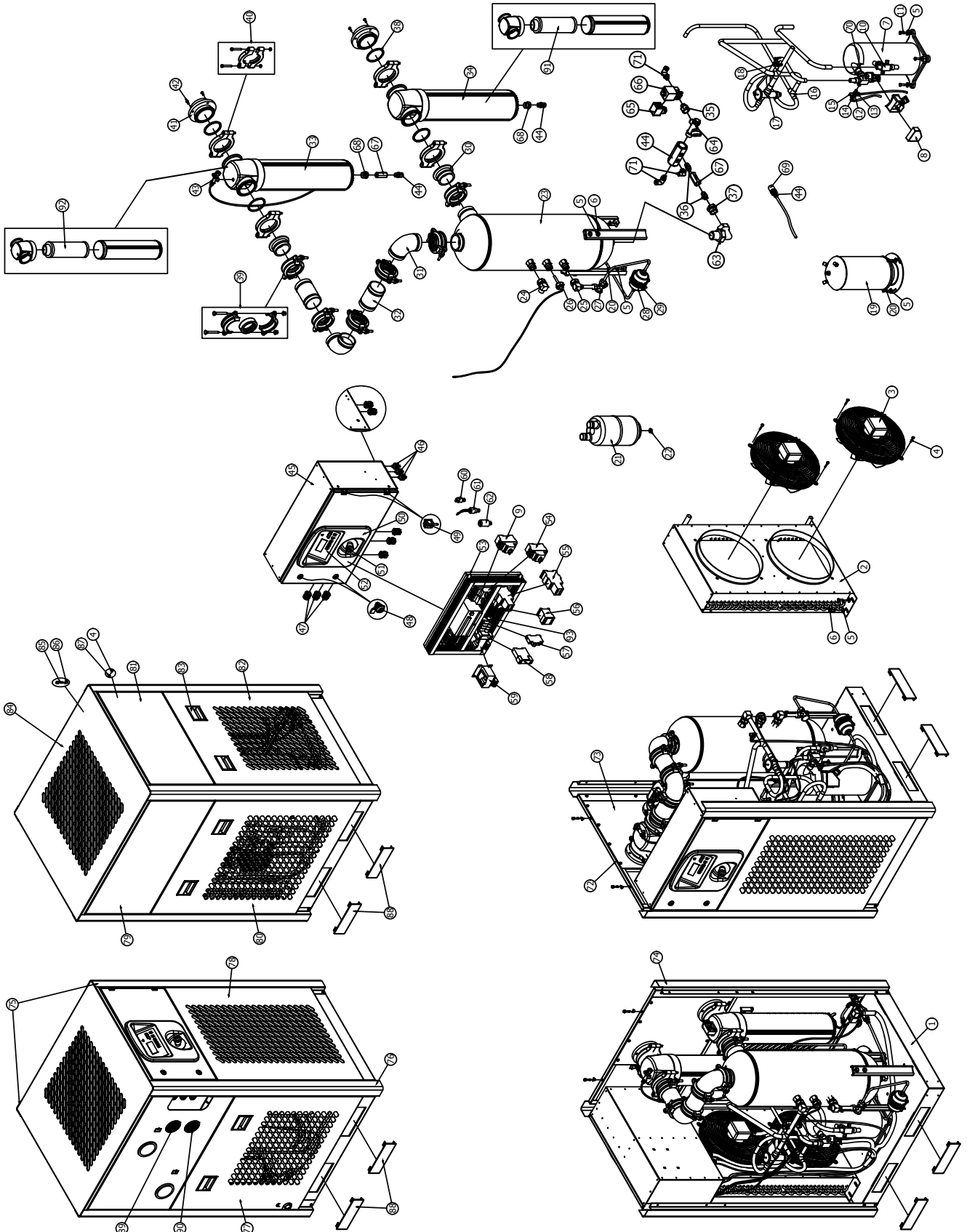
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	SOLENOID VALVE	COMPRESSOR ELECTRICAL BOX	COMPRESSOR START CAPACITOR	COMPRESSOR START RELAY	RUN CAPACITOR	DIGITAL CONTROLLER	FAN OVERLOAD PROTECTOR	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR CONTACTOR	FAN CONTACTOR	TRANSFORMER
ODRD-425	425 SCFM	ODRD-425	220V/1PH/50Hz	AIR COOLED	M-FMT-0325	M-CMP-0P-0325-220-1-50	M-SLV-0325-230	M-CB-0325-230-1-50	M-CSC-0325-220-1-50	M-CSCR-0325-230-1-60	M-RUN-0325	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-425	425 SCFM	ODRD-425	230V/1PH/60Hz	AIR COOLED	M-FMT-0325	M-CMP-0P-0325-230-1-60	M-SLV-0325-230	M-CB-0325-230-1-60	M-CSC-0325-230-1-60	M-CSCR-0325-230-1-60	M-RUN-0325	MK130E-DPI	N/A	N/A	N/A	N/A	N/A
ODRD-425	425 SCFM	ODRD-425	240V/3PH/60Hz	AIR COOLED	M-FMT-0700	M-CMP-0P-0325-240-3-60	MK150E-SLV-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700-210-3-60	M-COP-0700	M-CNT-AMP	M-FCN-1200	M-TRF-1600
ODRD-425	425 SCFM	ODRD-425	480V/3PH/50Hz	AIR COOLED	M-FMT-0700	M-CMP-0P-0325-480-3-60	MK150E-SLV-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700	M-COP-0325	M-CNT-AMP	M-FCN-1200	M-TRF-1600
ODRD-425	425 SCFM	ODRD-425	480V/3PH/60Hz	AIR COOLED	M-FMT-0700	M-CMP-0P-0325-480-3-60	MK150E-SLV-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700	M-COP-0325	M-CNT-AMP	M-FCN-1200	M-TRF-1600
ODRD-425	425 SCFM	ODRD-425	575V/3PH/60Hz	AIR COOLED	M-FMT-0700	M-CMP-0P-0325-575-3-60	MK150E-SLV-24	N/A	N/A	N/A	N/A	MK130E-DPI-24	M-FOP-0700	M-COP-0325	M-CNT-AMP	M-FCN-1200	M-TRF-1600

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK130E-RMS	REMOVABLE SHIELD		4
	99	MK260E-CG11	CABLE GLAND PG11		1
	98	MK260E-BL7826	BOLT M8x25		24
	97	M-NUT-6000	CAGE NUTS M6		24
	96	M-FAS-6000	CABINET FASTENER		14
	95	MK130E-CAT-US	CABINET TOP		1
	94	MK130E-CRT-US	CABINET REAR TOP		1
	93	MK130E-CRB-US	CABINET REAR BOTTOM		1
	92	MK130E-CBL-US	CABINET BOTTOM LEFT		1
	91	MK130E-CAI	CABINET INSIDE		1
	90	MK130E-CUI-US	CABINET UPPER LEFT		1
	89	M-CHN-6000	CABINET HANDLE		6
	88	MK130E-CNP-US	CONTROLLER PANEL		1
	87	MK130E-CUR-US	CABINET UPPER RIGHT		1
	86	MK130E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK130E-CLR-US	CABINET LOWER RIGHT		1
	84	MK130E-CAL3-US	CABINET LEG3		1
	83	MK130E-CAL2-US	CABINET LEG2		2
	82	MK130E-CAL1-US	CABINET LEG1		1
	81	N/A	N/A		-
	80	N/A	N/A		-
	79	N/A	N/A		-
	78	SEE_REF TABLE	TRANSFORMER		1
	77	M-PPR-6000	PHASE PROTECTION RELAY		1
	76	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	75	SEE_REF TABLE	FAN CONTACTOR		1
	74	SEE_REF TABLE	COMPRESSOR CONTACTOR		1
	73	SEE_REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	72	SEE_REF TABLE	FAN OVERLOAD PROTECTOR		1
	71	MK130E-ELP	ELECTRICAL PANEL		1
	70	MK260E-LPS	LOW PRESSURE SWITCH		1
	69	MK260E-HNG	HINGE		2
	68	MK260E-DLK	DOOR LOCK		2
	67	MK260E-CG16	CABLE GLAND PG16		8
	66	MK260E-SCF	SWITCH CONNECTION FITTING		3
	65	MK130E-ELB-US	ELECTRICAL BOX		1
	64	MK130E-MSW	MAIN SWITCH		1
	63	N/A	N/A		-
	62	N/A	N/A		-
	61	N/A	N/A		-
	60	SEE_REF TABLE	DIGITAL CONTROLLER		1
	59	MK130E-PCP	PLASTIC CONTROL PANEL		1
	58	SEE_REF TABLE	RUN CAPACITOR		1
	57	MK130E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	56	MK130E-FIE-X	COMPRESSED AIR FILTER (X)		1
	55	M-HPS-0200	HIGH PRESSURE SWICH		1
	54	MK110E-TRM	THERMINAL BLOCK		1
	53	MK170E-BL7815	BOLT M8x15		8
	52	M-SPR-0400	SEPERATOR		1
	51	MK150E-NT10	NUT M10		1
	50	MK130E-RCV	LIQUID RECEIVER		1
	49	MK260E-TDP	T ADAPTOR		1
	48	M-FNS-0200	FAN ON/OFF SWITCH		1
	47	MK150E-FDC	FILTER DRIER CLAMP		1
	46	M-DR1-0400	DRYER-DEHYDRATOR		1
	45	M-EXV-0500	EXPANSION VALVE		1
	44	MK130E-DRS-NPT	DRAIN SLEEVE		1
	43	MK260E-FIT2	FITTING 2		1
	42	SEE_REF TABLE	COMPRESSOR START RELAY		1
	41	MK260E-RDC	REDUCTION 1/2" - 1/4"		2
	40	MK170E-EWF	90° 1/4" - 6mm ELBOW		1
	39	MK170E-ORG	ORING		4
	38	SEE_REF TABLE	COMPRESSOR START CAPACITOR		1
	37	SEE_REF TABLE	COMPRESSOR ELECTRICAL BOX		1
	36	MK130E-CNK3-US	CONNECTION CIT3		2
	35	MK130E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	34	MK130E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	33	MK170E-CPG2	COUPLING CLAMP2		4
	32	MK130E-CNK2	CONNECTION CIT2		1
	31	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	30	MK130E-CNK1	CONNECTION CIT1		1
	29	MK170E-ELW2	ELBOW2		2
	28	MK260E-CPG1	COUPLING CLAMP1		3
	27	MK260E-SVC	SOLENOID VALVE COIL		1
	26	SEE_REF TABLE	SOLENOID VALVE		1
	25	N/A	N/A		-
	24	M-DBV-0200	DRAIN BALL VALVE		1
	23	MK260E-ELW1	ELBOW1		1
	22	M-BYV-0400	BY-PASS VALVE		1
	21	MK260E-CPT1	CUPPER T1		1
	20	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	19	MK260E-RTA2	ROTOLOCK ADAPTOR2		1
	18	MK170E-EXC	HEAT EXCHANGER		1
	17	MK150E-FIT6	1/4" - 6mm FITTINGS		3
	16	MK150E-DCL	DRAIN COLLECTOR		1
	15	MK260D-RDC	REDUCTION 1/2" - 1/4"		1
	14	MK170E-NIP1/4	1/4" NIPPLE		3
	13	N/A	N/A		-
	12	MK260E-BL7850	BOLT M8x50		4
	11	MK260E-STC	SETTING THE CONNECTION		1
	10	MK260E-RTA1	ROTOLOCK ADAPTOR1		2
	09	MK170E-CHV	CHECH VALVE		2
	08	N/A	N/A		-
	07	SEE_REF TABLE	COMPRESSOR		1
	06	MK260E-BL7825	BOLT M8x25		10
	05	MK260E-WHR22	WASHER Ø22x8,2x2,4		14
	04	MK260E-BL7630	BOLT M6x30		4
	03	SEE_REF TABLE	FAN MOTOR		1
	02	MK130E-CON	CONDANSER		1
	01	MK130E-CAB-US	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 550



8.1 - ED & Spare Part List

**ODRD 550**

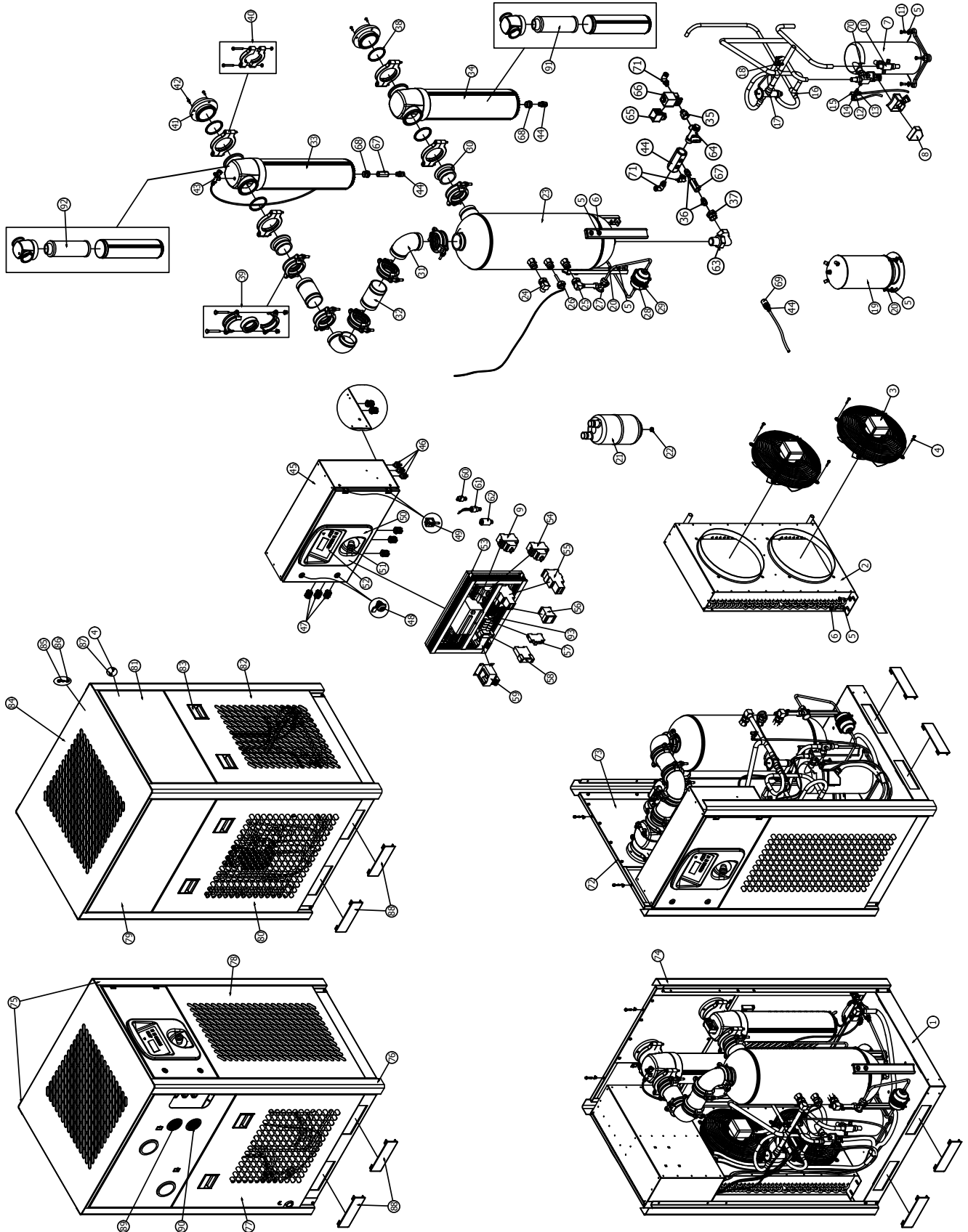
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	FAN OVERLOAD PROTRACTOR	COMPRESSOR OVERLOAD PROTRACTOR	COMPRESSOR CONTACTOR	FAN CONTACTOR	TRANSFORMER
ODRD-550	550 SCFM	ODRD-550	230V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	MK140E-CMP-230-3-60	M-FOP-0700-230-3-60	M-COP-1600	M-CNT-1600	M-FCN-1200	M-TRF-1600
ODRD-550	550 SCFM	ODRD-550	400V/3Ph/50Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	MK140E-CMP	M-FOP-0700	MK150E-COP	M-CNT-1200	M-FCN-1200	MK260E-TRF
ODRD-550	550 SCFM	ODRD-550	460V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	MK140E-CMP	M-FOP-0700	MK150E-COP	M-CNT-1200	M-FCN-1200	M-TRF-1600
ODRD-550	550 SCFM	ODRD-550	575V/3Ph/60Hz	AIR COOLED	M-FMT-0700-575-3-60	M-CMP-0500-575-3-60	M-FOP-0700	M-COP-0700-575	M-CNT-1200	M-FCN-1200	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	92	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	92	MK150E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	91	MK150E-FIE-X	COMPRESSED AIR FILTER (X)		1
	90	MK260E-HPG	HIGH PRESSURE GAUGE		1
	89	MK260E-LPG	LOW PRESSURE GAUGE		1
	88	MK190E-RMS	REMOVABLE SHIELD		4
	87	M-NUT-6000	CAGE NUT		26
	86	M-FAS-6000	CABINET FASTENER		14
	85	M-STU-6000	CABINET STUD AND NUT		14
	84	MK150E-CAT	CABINET TOP		1
	83	M-CHN-6000	CABINET HANDLE		1
	82	MK150E-CRB	CABINET REAR BOTTOM		1
	81	MK150E-CRT	CABINET REAR TOP		1
	80	MK150E-CLR	CABINET LOWER RIGHT		1
	79	MK150E-CUR	CABINET UPPER RIGHT		1
	78	MK150E-CFB	CABINET FRONT BOTTOM		1
	77	MK150E-CBL	CABINET BOTTOM LEFT		1
	76	MK150E-CAL3	CABINET LEG3		1
	75	MK150E-CAL2	CABINET LEG2		2
	74	MK150E-CAL1	CABINET LEG1		1
	73	MK150E-CAI	CABINET INSIDE		1
	72	MK150E-CUL-US	CABINET UPPER LEFT		1
	71	MK170E-EWF	90° 1/4" - 6mm ELBOW		2
	70	MK150E-RTA2	ROTOLOCK ADAPTOR2		1
	69	MK150E-DRS-NPT	DRAIN SLEEVE		1
	68	MK260E-RDC	REDUCTION 1/2" - 1/4"		2
	67	MK170E-CHV	CHECK VALVE		2
	66	MK150E-SLV-24	SOLENOID VALVE		1
	65	MK260E-SVC	SOLENOID VALVE COIL		1
	64	M-DBV-0200	DRAIN BALL VALVE		1
	63	MK260E-ELW2	ELBOW2		1
	62	M-FNS-0200	FAN ON/OFF SWITCH		1
	61	M-HPS-0200	HIGH PRESSURE SWITCH		1
	60	MK260E-LPS	LOW PRESSURE SWITCH		1
	59	SEE_REF TABLE	TRANSFORMER		1
	58	M-PPR-6000	PHASE PROTECTION RELAY		1
	57	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	56	SEE_REF TABLE	FAN CONTACTOR		2
	55	SEE_REF TABLE	COMPRESSOR CONTACTOR		1
	54	SEE_REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	53	MK150E-ELP	ELECTRICAL PANEL		1
	52	MK260E-ES2	ESD3 CONTROLLER		1
	51	MK260E-MSW	MAIN SWITCH		1
	50	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	49	MK260E-HNG	HINGE		2
	48	MK260E-DLK	DOOR LOCK		2
	47	M-CCP-6000	CONDUIT FOR CONTROL PANEL		8
	46	MK260E-SCF	SWITCH CONNECTION FITTING		3
	45	MK150E-ELB-US	ELECTRICAL BOX		1
	44	MK150E-DCL	DRAIN COLLECTOR		4
	43	MK260E-BLV	BALL VALVE		1
	42	MK170E-BLT815	BOLT M8x15		8
	41	MK170E-CNK2-NPT	CONNECTION CIT2		2
	40	MK170E-CPG2	COUPLING CLAMP 2		4
	39	MK260E-CPG1	COUPLING CLAMP 1		6
	38	MK170E-ORG	ORING		1
	37	MK260D-RDC	REDUCTION 1/2" - 1/4"		1
	36	MK170E-NIP1/4	1/4" NIPPLE		2
	35	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	34	MK150E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	33	MK150E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	32	MK150E-CPP	COUPLING PIPE		2
	31	MK170E-ELW1	ELBOW1		2
	30	MK150E-CNK1	CONNECTION CIT1		2
	29	M-CLP-1200	CLAMP		1
	28	M-DRI-0400	DRYER-DEHYDRATOR		1
	27	M-EXV-1000	EXPANSION VALVE		1
	26	MK150E-SSD	SENSOR ADAPTOR		1
	25	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	24	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		1
	23	MK260E-EXC	HEAT EXCHANGER		1
	22	MK150E-NT10	NUT M10		1
	21	M-SPR-0850	SEPARATOR		1
	20	MK260E-BLT830	BOLT M8x30		6
	19	MK150E-RCV	LIQUID RECEIVER		1
	18	MK260E-CPT2	CUPPER T2		1
	17	M-BYV-1200	BY-PASS VALVE		1
	16	MK260E-CPT1	CUPPER T1		2
	15	MK260E-STC	SETTING THE CONNECTION		1
	14	MK260E-CTC2	CAPPILARY TUBE CONNECTION2		2
	13	MK260E-CTC1	CAPPILARY TUBE CONNECTION1		1
	12	M-TSC-6000	T CONNECTION FOR SWITCH CAPPILARY		1
	11	MK260E-BLT850	BOLT M8x50		4
	10	MK160E-RTA1	ROTOLOCK ADAPTOR1		1
	09	SEE_REF TABLE	FAN OVERLOAD PROTECTOR		2
	08	MK150E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	07	SEE_REF TABLE	COMPRESSOR		1
	06	MK150E-BLT825	BOLT M8x25		13
	05	MK260E-WHR22	WASHER 22x8,2x2,4		23
	04	MK260E-BLT630	BOLT M6x30		30
	03	SEE_REF TABLE	FAN MOTOR		2
	02	MK140E-CON	CONDANSER		1
	01	MK150E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 700



8.1 - ED & Spare Part List

**ODRD 700**

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	FAN OVERLOAD PROTECTOR	COMPRESSOR OVERLOAD PROTECTOR	COMPRESSOR CONTACTOR	FAN CONTACTOR	TRANSFORMER
ODRD-700	700 SCFM	ODRD-700	230V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	M-CMP-0500-230-3-60	M-FOP-0700-230-3-60	M-COP-1600	M-CNT-1600	M-FCN-1200	M-TRF-1600
ODRD-700	700 SCFM	ODRD-700	400V/3Ph/50Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	M-CMP-0500-460-3-60	M-FOP-0700	MK150E-COP	M-CNT-1200	M-FCN-1200	MK260E-TRF
ODRD-700	700 SCFM	ODRD-700	460V/3Ph/60Hz	AIR COOLED	M-FMT-0700-400/460-3-50/60	M-CMP-0500-460-3-60	M-FOP-0700	MK150E-COP	M-CNT-1200	M-FCN-1200	M-TRF-1600
ODRD-700	700 SCFM	ODRD-700	575V/3Ph/60Hz	AIR COOLED	M-FMT-0700-575-3-60	M-CMP-0500-575-3-60	M-FOP-0700	M-COP-0700-575	M-CNT-1200	M-FCN-1200	M-TRF-6000-575-3-60

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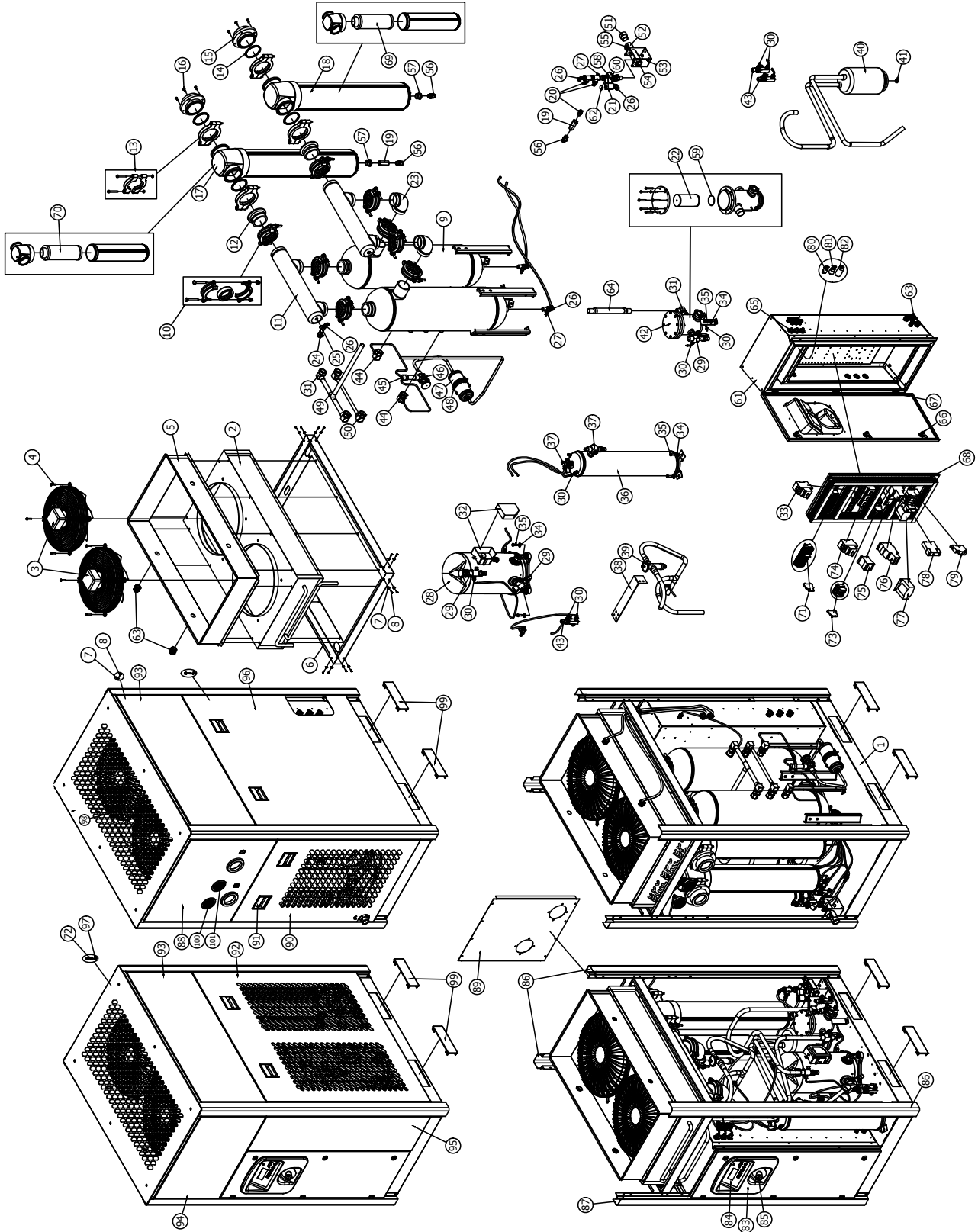
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	92	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	92	MK150E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	91	MK150E-FIE-X	COMPRESSED AIR FILTER (X)		1
	90	MK260E-HPG	HIGH PRESSURE GAUGE		1
	89	MK260E-LPG	LOW PRESSURE GAUGE		1
	88	MK190E-RMS	REMOVABLE SHIELD		4
	87	M-NUT-6000	CAGE NUT		26
	86	M-FAS-6000	CABINET FASTENER		14
	85	M-STU-6000	CABINET STUD AND NUT		14
	84	MK150E-CAT	CABINET TOP		1
	83	M-CHN-6000	CABINET HANDLE		1
	82	MK150E-CRB	CABINET REAR BOTTOM		1
	81	MK150E-CRT	CABINET REAR TOP		1
	80	MK150E-CLR	CABINET LOWER RIGHT		1
	79	MK150E-CUR	CABINET UPPER RIGHT		1
	78	MK150E-CFB	CABINET FRONT BOTTOM		1
	77	MK150E-CBL	CABINET BOTTOM LEFT		1
	76	MK150E-CAL3	CABINET LEG3		1
	75	MK150E-CAL2	CABINET LEG2		2
	74	MK150E-CAL1	CABINET LEG1		1
	73	MK150E-CAI	CABINET INSIDE		1
	72	MK150E-CUL-US	CABINET UPPER LEFT		1
	71	MK170E-EWF	ELBOW FITTINGS		2
	70	MK150E-RTA2	ROTOLOCK ADAPTOR2		1
	69	MK150E-DRS-NPT	DRAIN SLEEVE		1
	68	MK260E-RDC	REDUCTION 1/2" - 1/4"		2
	67	MK170E-CHV	CHECK VALVE		2
	66	MK150E-SLV-24	SOLENOID VALVE		1
	65	MK260E-SVC	SOLENOID VALVE COIL		1
	64	M-DBV-6000	DRAIN BALL VALVE		1
	63	MK260E-ELW2	ELBOW2		1
	62	M-FNS-0200	FAN ON/OFF SWITCH		1
	61	M-HPS-0200	HIGH PRESSURE SWITCH		1
	60	MK260E-LPS	LOW PRESSURE SWICH		1
	59	SEE.REF TABLE	TRANSFORMER		1
	58	M-PPR-6000	PHASE PROTECTION RELAY		1
	57	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	56	SEE.REF TABLE	FAN CONTACTOR		2
	55	SEE.REF TABLE	COMPRESSOR CONTACTOR		1
	54	SEE.REF TABLE	COMPRESSOR OVERLOAD PROTECTOR		1
	53	MK150E-ELP	ELECTRICAL PANEL		1
	52	MK260E-DCC-24	ADVANCED DIGITAL CONTROLLER		1
	51	MK260E-MSW	MAIN SWITCH		1
	50	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	49	MK260E-HNG	HINGE		2
	48	MK260E-DLK	DOOR LOCK		2
	47	M-CCP-6000	CONDUIT FOR CONTROL PANEL		8
	46	MK260E-SCF	SWITCH CONNECTION FITTING		3
	45	MK150E-ELB-US	ELECTRICAL BOX		1
	44	MK150E-DCL	DRAIN COLLECTOR		4
	43	MK260E-BLV	BALL VALVE		1
	42	MK170E-BLT815	BOLT M8x15		8
	41	MK170E-CNK2-NPT	CONNECTION CIT2		2
	40	MK170E-CPG2	COUPLING CLAMP 2		4
	39	MK260E-CPG1	COUPLING CLAMP 1		6
	38	MK170E-ORG	ORING		1
	37	MK260D-RDC	REDUCTION 1/2" - 1/4"		1
	36	MK170E-NIP1/4	1/4" NIPPLE		2
	35	MK150E-RDC	REDUCTION 3/8" - 1/4"		1
	34	MK150E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	33	MK150E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	32	MK150E-CPP	COUPLING PIPE		2
	31	MK170E-ELW1	ELBOW1		2
	30	MK150E-CNK1	CONNECTION CIT1		2
	29	M-CLP-1200	CLAMP		1
	28	M-DRI-0400	DRYER-DEHYDRATOR		1
	27	M-EXV-1000	EXPANSION VALVE		1
	26	MK150E-SSD	SENSOR ADAPTOR		1
	25	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	24	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		1
	23	MK260E-EXC	HEAT EXCHANGER		1
	22	MK150E-NT10	NUT M10		1
	21	M-SPR-0850	SEPARATOR		1
	20	MK260E-BLT830	BOLT M8x30		6
	19	MK150E-RCV	LIQUID RECEIVER		1
	18	MK260E-CPT2	CUPPER T2		1
	17	M-BYV-1200	BY-PASS VALVE		1
	16	MK260E-CPT1	CUPPER T1		2
	15	MK260E-STC	SETTING THE CONNECTION		1
	14	MK260E-CTC2	CAPPILARY TUBE CONNECTION2		2
	13	MK260E-CTC1	CAPPILARY TUBE CONNECTION1		1
	12	M-TSC-6000	T CONNECTION FOR SWITCH CAPPILARY		1
	11	MK260E-BLT850	BOLT M8x50		4
	10	MK160E-RTA1	ROTOLOCK ADAPTOR1		1
	09	SEE.REF TABLE	FAN OVERLOAD PROTECTOR		2
	08	MK150E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	07	SEE.REF TABLE	COMPRESSOR		1
	06	MK150E-BLT825	BOLT M8x25		13
	05	MK260E-WHR22	WASHER 22x8,2x2,4		23
	04	MK260E-BLT630	BOLT M6x30		30
	03	SEE.REF TABLE	FAN MOTOR		2
	02	MK150E-CON	CONDANSER		1
	01	MK150E-CAB	CABINET BASE		1

PART LIST



# 8.1 - ED & Spare Part List

## ODRD 900



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**ODRD 900**

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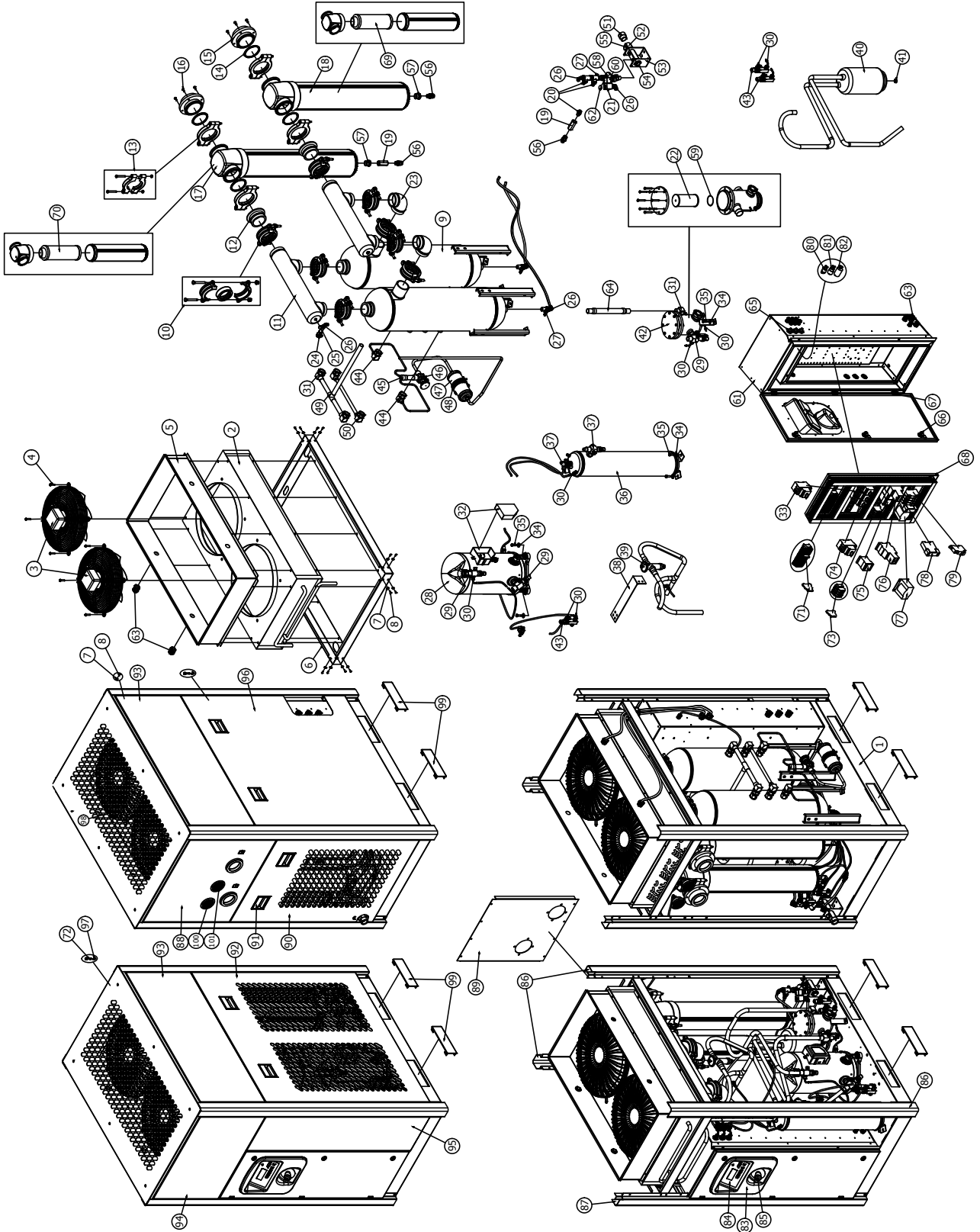
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	COMPRESSOR OVERLOAD PROTACTOR	FAN OVERLOAD PROTACTOR	FAN CONTACTOR	COMPRESSOR CONTACTOR	TRANSFORMER
ODRD-900	900 SCFM	ODRD-900	230V/3Ph/60Hz	AIR COOLED	M-FMT-1200-400/460-3-50/60	MK160E-CMP-230-3-60	M-COP-1600	M-FOP-6000	M-CNT-MP	M-CNT-1600	M-TRF-1600
ODRD-900	900 SCFM	ODRD-900	400V/3Ph/50Hz	AIR COOLED	M-FMT-1200-400/460-3-50/60	MK160E-CMP	M-COP-1600	M-FOP-1200	M-FCN-1200	M-CNT-1200	MK260E-TRF
ODRD-900	900 SCFM	ODRD-900	460V/3Ph/60Hz	AIR COOLED	M-FMT-1200-400/460-3-50/60	MK160E-CMP	M-COP-1600	M-FOP-1200	M-FCN-1200	M-CNT-1200	M-TRF-1600
ODRD-900	900 SCFM	ODRD-900	575V/3Ph/60Hz	AIR COOLED	M-FMT-1200-575-3-60	MK160E-CMP-575-3-60	M-COP-1200	M-FOP-1200	M-FCN-1200	M-CNT-1200	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	101	MK260E-HPG	HIGH PRESSURE GAUGE		1
	100	MK260E-LPG	LOW PRESSURE GAUGE		1
	99	MK190E-RMS	REMOVABLE SHIELD		4
	98	MK170E-CAT	CABINET TOP		1
	97	M-FAS-6000	CABINET FASTENER		14
	96	MK170E-CSB2	CABINET SIDE BOTTOM2		1
	95	MK170E-CFB	CABINET FRONT BOTTOM		1
	94	MK170E-CFT	CABINET FRONT TOP		1
	93	MK170E-CST	CABINET SIDE TOP		2
	92	MK170E-CSB1	CABINET SIDE BOTTOM1		1
	91	M-CHN-6000	CABINET HANDLE		6
	90	MK170E-CRB	CABINET REAR BOTTOM		1
	89	MK170E-CAI	CABINET INSIDE		1
	88	MK170E-CRT-US	CABINET REAR TOP		1
	87	MK170E-CAL2	CABINET LEG2		1
	86	MK170E-CAL1	CABINET LEG1		3
	85	MK260E-MSW	MAIN SWITCH		1
	84	MK260E-DCC-24	ADVANCED DIGITAL CONTROLLER		1
	83	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	82	M-FNS-0200	FAN ON/OFF SWITCH		1
	81	M-HPS-0200	HIGH PRESSURE SWITCH		1
	80	MK260E-LPS	LOW PRESSURE SWITCH		1
	79	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	78	M-PPR-6000	PHASE PROTECTION RELAY		1
	77	SEE. REF TABLE	TRANSFORMER		1
	76	SEE. REF TABLE	COMPRESSOR CONTACTOR		1
	75	SEE. REF TABLE	FAN CONTACTOR		2
	74	SEE. REF TABLE	FAN OVERLOAD PROTECTION		1
	73	M-PWC-1200	POWER CONNECTOR		3
	72	M-STU-6000	CABINET STUD AND NUT		14
	71	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	70	MK170E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	69	MK170E-FIE-X	COMPRESSED AIR FILTER (X)		1
	68	MK170E-ELP	ELECTRICAL PANEL		1
	67	MK260E-HNG	HINGE		3
	66	MK260E-DLK	DOOR LOCK		3
	65	MK260E-SCF	SWITCH CONNECTION FITTING		3
	64	MK210E-ASF	ASTROFLEX		1
	63	M-CCP-6000	CONDUIT FOR CONTROL PANEL		10
	62	M-MMM-6000	MEMBRANE		1
	61	MK170E-ELB-US	ELECTRICAL BOX		1
	60	MK260E-SVC	SOLENOID VALVE COIL		1
	59	M-OSO-1600	OIL SEPARATOR ORING		1
	58	M-MMV-6000	MEMBRAN VALVE		1
	57	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	56	MK260E-FTT	FITTINGS		4
	55	MK260E-MBC2	MANIFOLD BLIND CAP2		1
	54	MK260E-MBC1	MANIFOLD BLIND CAP1		1
	53	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		1
	52	MK190E-DRM	DRAIN MANIFOLD		1
	51	MK260E-DRS-NPT	DRAIN SLEEVE		1
	50	M-RTA-5000-2	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	49	MK260E-CPT	CUPPER T		2
	48	M-CLP-1200	CLAMP		1
	47	M-DRI-0700	DRYER-DEHYDRATOR		1
	46	M-EXV-1200	EXPANSION VALVE		1
	45	MK190E-DST	DISTRIBUTOR		1
	44	MK260E-RTA4	ROTOLOCK ADAPTOR4		2
	43	MK260E-RSV	ROTOLOCK SERVICE VALVE		3
	42	M-OSP-1600	OIL SEPARATOR		1
	41	MK170E-NUT10	NUT M10		1
	40	MK160E-SPR	SEPERATOR		1
	39	M-BYV-1200	BY-PASS VALVE		1
	38	MK170E-RSM	REINFORCEMENT SHEET METAL		1
	37	MK260E-RTA2	ROTOLOCK ADAPTOR2		2
	36	MK170E-RCV	LIQUID RECEIVER		1
	35	MK260E-BLT850	BOLT M8x50		10
	34	MK260E-WHR22	WASHER 22x8,2x2,4		10
	33	SEE. REF TABLE	COMPRESSOR OVERLOAD PROTECTION		1
	32	MK160E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	31	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		3
	30	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		15
	29	MK260E-RTA1	ROTOLOCK ADAPTOR1		3
	28	SEE. REF TABLE	COMPRESSOR		1
	27	M-DBV-6000	DRAIN VALVE		2
	26	MK260E-EWF	ELBOW FITTINGS		6
	25	MK260E-TCN	T CONNECTION		1
	24	MK260E-BLV	BALL VALVE		1
	23	MK170E-ELW	ELBOW		2
	22	M-OSE-1600	OIL SEPARATOR ELEMENT		1
	21	M-SLV-6000-24	SOLENOID VALVE		1
	20	MK170E-NIP1/4	1 / 4" NIPPLE		3
	19	MK170E-CHV	CHECH VALVE		2
	18	MK170E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	17	MK170E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	16	MK170E-BLT815	BOLT M8x15		8
	15	MK170E-CNK2-NPT	CONNECTION KIT 2		2
	14	MK170E-ORG	ORING		4
	13	MK170E-CPG2	COUPLING CLAMP 2		4
	12	MK170E-CNK1	CONNECTION KIT 1		2
	11	MK170E-CLL	COLLECTOR		2
	10	MK260E-CPG1	COUPLING CLAMP 1		8
	09	MK170E-EXC	HEAT EXCHANGER		2
	08	MK260E-BLT630	BOLT M6x30		48
	07	M-NUT-6000	CAGE NUT M6		48
	06	MK170E-CRP	CONDENSER REINFORCEMENT PLATE		1
	05	MK170E-FPRT	FAN PROTECTOR		1
	04	MK260E-BLT630	BOLT M6x30		8
	03	SEE. REF TABLE	FAN MOTOR		2
	02	MK170E-CON	CONDENSER		1
	01	MK170E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 1100





8.1 - ED & Spare Part List

**ODRD 1100**

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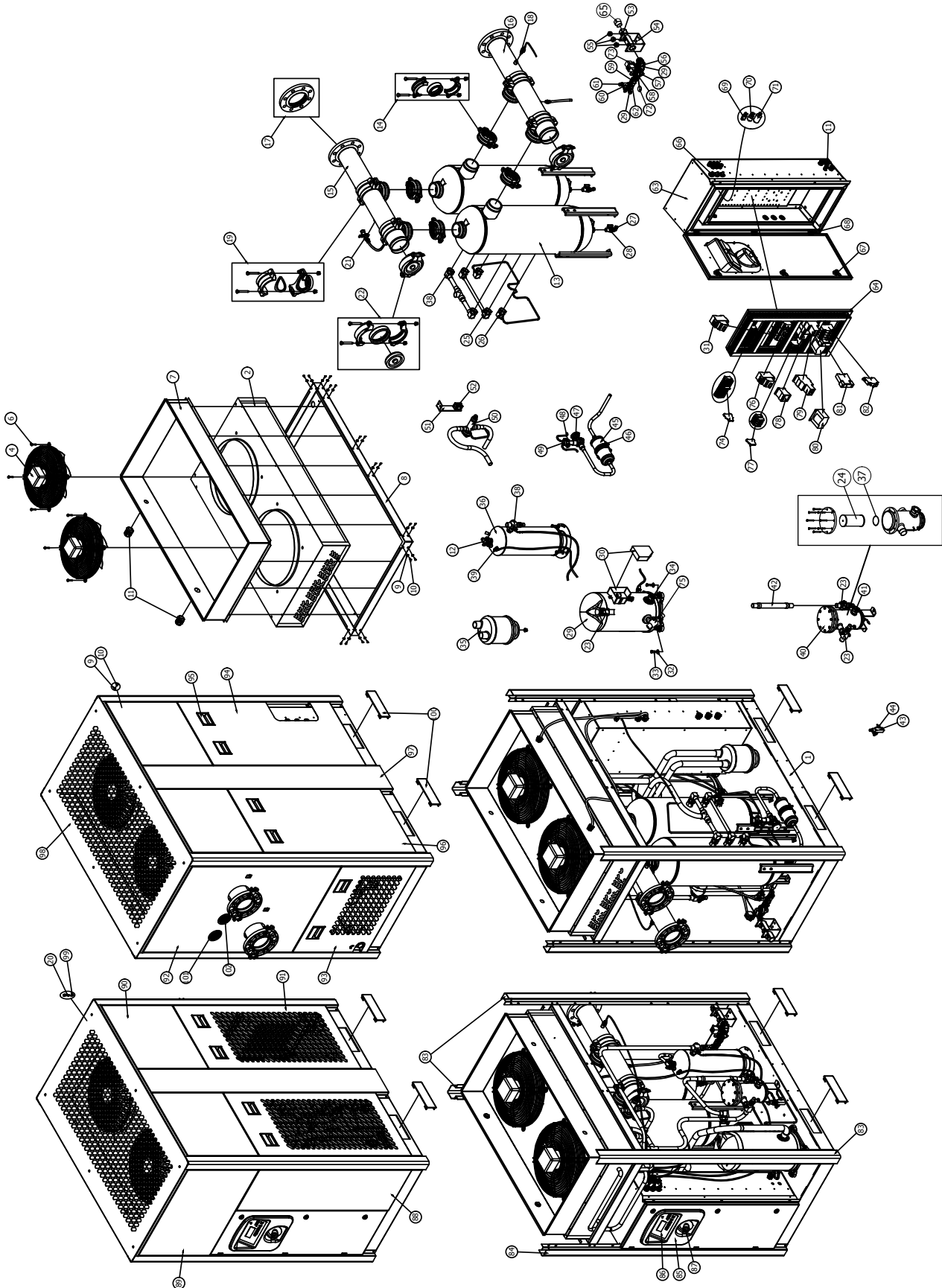
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	COMPRESSOR OVERLOAD PROTRACTOR	FAN OVERLOAD PROTRACTOR	FAN CONTACTOR	COMPRESSOR CONTACTOR	TRANSFORMER
ODRD-1100	1100 SCFM	ODRD-1100	230V/3Ph/60Hz	AIR COOLED	M-FMT-1200-400/460-3-50/60	M-CMP-1000-230-3-60	M-COP-1600	M-FOF-6000	M-CNT-MP	M-CNT-1600	M-TRF-1600
ODRD-1100	1100 SCFM	ODRD-1100	400V/3Ph/50Hz	AIR COOLED	M-FMT-1200-400/460-3-50/60	M-CMP-1000-460-3-60	M-COP-1600	M-FOF-1200	M-FCN-1200	M-CNT-1200	MK260E-TRF
ODRD-1100	1100 SCFM	ODRD-1100	460V/3Ph/60Hz	AIR COOLED	M-FMT-1200-400/460-3-50/60	M-CMP-1000-460-3-60	M-COP-1600	M-FOF-1200	M-FCN-1200	M-CNT-1200	M-TRF-1600
ODRD-1100	1100 SCFM	ODRD-1100	575V/3Ph/60Hz	AIR COOLED	M-FMT-1200-575-3-60	M-CMP-1000-575-3-60	M-COP-1200	M-FOF-1200	M-FCN-1200	M-CNT-1200	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	101	MK260E-HPG	HIGH PRESSURE GAUGE		1
	100	MK260E-LPG	LOW PRESSURE GAUGE		1
	99	MK190E-RMS	REMOVABLE SHIELD		4
	98	MK170E-CAT	CABINET TOP		1
	97	M-FAS-6000	CABINET FASTENER		14
	96	MK170E-CSB2	CABINET SIDE BOTTOM2		1
	95	MK170E-CFB	CABINET FRONT BOTTOM		1
	94	MK170E-CFT	CABINET FRONT TOP		1
	93	MK170E-CST	CABINET SIDE TOP		2
	92	MK170E-CSB1	CABINET SIDE BOTTOM1		1
	91	M-CHN-6000	CABINET HANDLE		6
	90	MK170E-CRB	CABINET REAR BOTTOM		1
	89	MK170E-CAI	CABINET INSIDE		1
	88	MK170E-CRT-US	CABINET REAR TOP		1
	87	MK170E-CAL2	CABINET LEG2		1
	86	MK170E-CAL1	CABINET LEG1		3
	85	MK260E-MSW	MAIN SWITCH		1
	84	MK260E-DCC-24	ADVANCED DIGITAL CONTROLLER		1
	83	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	82	M-FNS-0200	FAN ON/OFF SWITCH		1
	81	M-HPS-0200	HIGH PRESSURE SWITCH		1
	80	MK260E-LPS	LOW PRESSURE SWITCH		1
	79	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	78	M-PPR-6000	PHASE PROTECTION RELAY		1
	77	SEE REF TABLE	TRANSFORMER		1
	76	SEE REF TABLE	COMPRESSOR CONTACTOR		1
	75	SEE REF TABLE	FAN CONTACTOR		2
	74	SEE REF TABLE	FAN OVERLOAD PROTECTION		1
	73	M-PWC-1200	POWER CONNECTOR		3
	72	M-STU-6000	CABINET STUD AND NUT		14
	71	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	70	MK170E-FIE-Y	COMPRESSED AIR FILTER (Y)		1
	69	MK170E-FIE-X	COMPRESSED AIR FILTER (X)		1
	68	MK170E-ELP	ELECTRICAL PANEL		1
	67	MK260E-HNG	HINGE		3
	66	MK260E-DLK	DOOR LOCK		3
	65	MK260E-SCF	SWITCH CONNECTION FITTING		3
	64	MK210E-ASF	ASTROFLEX		1
	63	M-CCP-6000	CONDUIT FOR CONTROL PANEL		10
	62	M-MMM-6000	MEMBRANE		1
	61	MK170E-ELB-US	ELECTRICAL BOX		1
	60	MK260E-SVC	SOLENOID VALVE COIL		1
	59	M-OSO-1600	OIL SEPARATOR ORING		1
	58	M-MMV-6000	MEMBRAN VALVE		1
	57	MK260E-RDC	REDUCTION 1 / 2" - 1 / 4"		2
	56	MK260E-FIT	FITTINGS		4
	55	MK260E-MBC2	MANIFOLD BLIND CAP2		1
	54	MK260E-MBC1	MANIFOLD BLIND CAP1		1
	53	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		1
	52	MK190E-DRM	DRAIN MANIFOLD		1
	51	MK260E-DRS-NPT	DRAIN SLEEVE		1
	50	M-RTA-5000-2	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	49	MK260E-CPT	CUPPER T		2
	48	M-CLP-1200	CLAMP		1
	47	M-DRI-0700	DRYER-DEHYDRATOR		1
	46	M-EXV-1200	EXPANSION VALVE		1
	45	MK190E-DST	DISTRIBUTOR		1
	44	MK260E-RTA4	ROTOLOCK ADAPTOR4		2
	43	MK260E-RSV	ROTOLOCK SERVICE VALVE		3
	42	M-OSP-1600	OIL SEPARATOR		1
	41	MK170E-NUT10	NUT M10		1
	40	MK160E-SPR	SEPERATOR		1
	39	M-BYV-1200	BY-PASS VALVE		1
	38	MK170E-RSM	REINFORCEMENT SHEET METAL		1
	37	MK260E-RTA2	ROTOLOCK ADAPTOR2		2
	36	MK170E-RCV	LIQUID RECEIVER		1
	35	MK260E-BLT850	BOLT M8x50		10
	34	MK260E-WHR22	WASHER 22x8.2x2.4		10
	33	SEE REF TABLE	COMPRESSOR OVERLOAD PROTECTION		1
	32	MK160E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	31	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		3
	30	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		15
	29	MK260E-RTA1	ROTOLOCK ADAPTOR1		3
	28	SEE REF TABLE	COMPRESSOR		1
	27	M-DBV-6000	DRAIN VALVE		2
	26	MK260E-EWF	ELBOW FITTINGS		6
	25	MK260E-TCN	T CONNECTION		1
	24	MK260E-BLV	BALL VALVE		1
	23	MK170E-ELW	ELBOW		2
	22	M-OSE-1600	OIL SEPARATOR ELEMENT		1
	21	M-SLV-6000-24	SOLENOID VALVE		1
	20	MK170E-NIP1/4	1 / 4" NIPPLE		3
	19	MK170E-CHV	CHECH VALVE		2
	18	MK170E-ELK-X	COMPRESSED AIR FILTER KIT (X)		1
	17	MK170E-ELK-Y	COMPRESSED AIR FILTER KIT (Y)		1
	16	MK170E-BLT815	BOLT M8x15		8
	15	MK170E-CNK2-NPT	CONNECTION KIT 2		2
	14	MK170E-ORG	ORING		4
	13	MK170E-CPG2	COUPLING CLAMP 2		2
	12	MK170E-CNK1	CONNECTION KIT 1		4
	11	MK170E-CLL	COLLECTOR		2
	10	MK260E-CPG1	COUPLING CLAMP 1		8
	09	MK170E-EXC	HEAT EXCHANGER		2
	08	MK260E-BLT630	BOLT M6x30		48
	07	M-NUT-6000	CAGE NUT M6		48
	06	MK170E-CRP	CONDENSER REINFORCEMENT PLATE		1
	05	MK170E-FPRT	FAN PROTECTOR		1
	04	MK260E-BLT630	BOLT M6x30		8
	03	SEE REF TABLE	FAN MOTOR		2
	02	MK170E-CON	CONDENSER		1
	01	MK170E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 1350



8.1 - ED & Spare Part List

**ODRD 1350**

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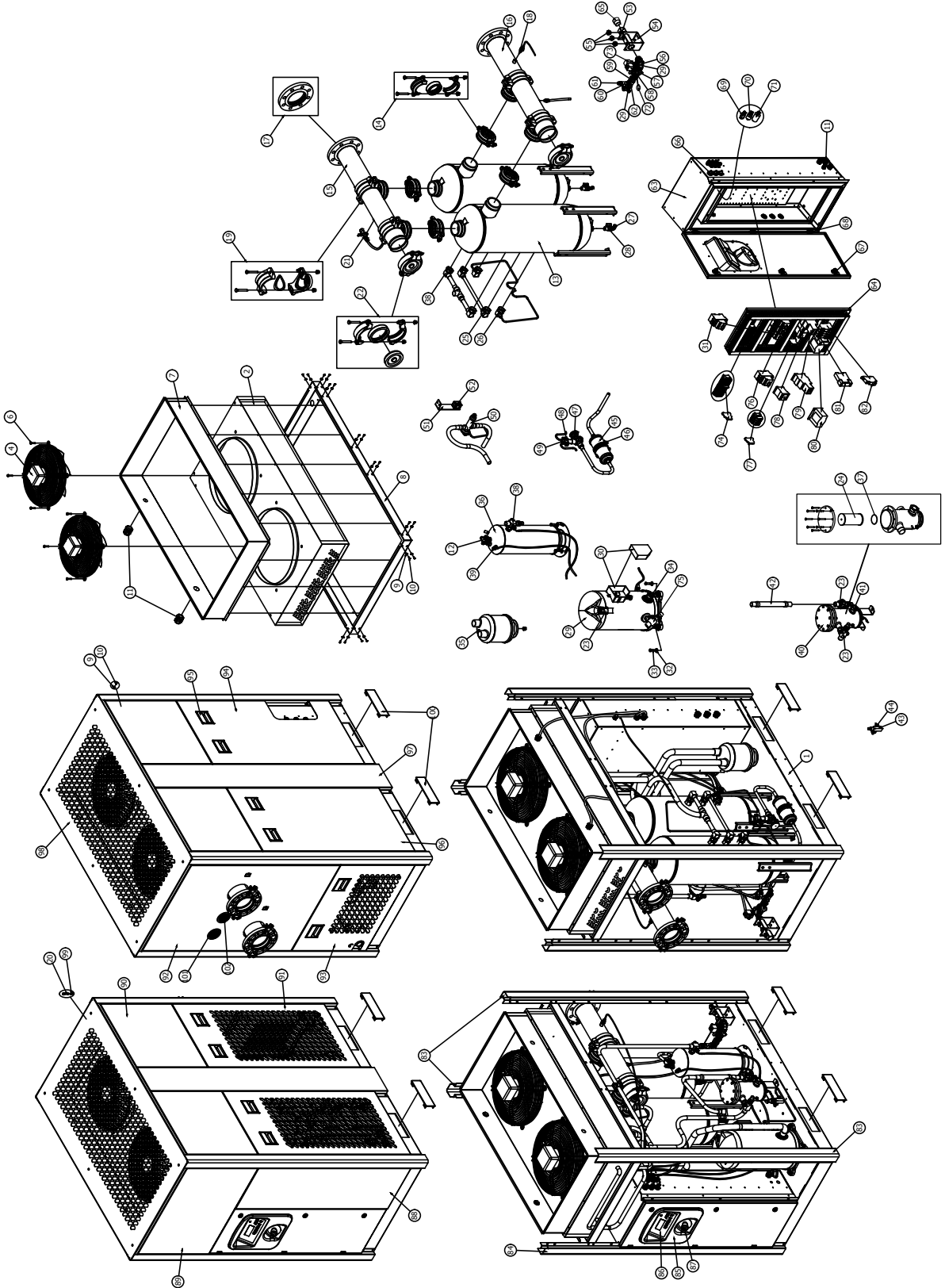
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-1350	1350 SCFM	ODRD-1350	400V/3Ph/50Hz	AIR COOLED	M-FMT-1600-460-3-60	M-CMP-1200-460-3-60	MK260E-TRF
ODRD-1350	1350 SCFM	ODRD-1350	460V/3Ph/60Hz	AIR COOLED	M-FMT-1600-460-3-60	M-CMP-1200-460-3-60	M-TRF-1600
ODRD-1350	1350 SCFM	ODRD-1350	575V/3Ph/60Hz	AIR COOLED	M-FMT-1600-575-3-60	M-CMP-1200-575-3-60	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	M-FAS-6000	CABINET FASTENER		14
	98	MK190E-CAT	CABINET TOP		1
	97	MK190E-CPS	CABINET POST SECONDARY SIDE		2
	96	MK190E-CRS	CABINET REAR SIDE BOTTOM		1
	95	M-CHN-6000	CABINET HANDLE (NEW)		10
	94	MK190E-CSB2-US	CABINET SIDE BOTTOM2		1
	93	MK190E-CSB1	CABINET REAR BOTTOM1		1
	92	MK190E-CRT-US	CABINET REAR TOP		1
	91	MK190E-CSB	CABINET SIDE BOTTOM		2
	90	MK190E-CST	CABINET SIDE TOP		4
	89	MK190E-CFT	CABINET FRONT TOP		1
	88	MK190E-CFB	CABINET FRONT BOTTOM		1
	87	MK260E-MSW	MAIN SWITCH		1
	86	MK260E-DCC-24	ADVANCED DIGITAL CONTROLLER		1
	85	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	84	MK190E-CAL2	CABINET LEG2		1
	83	MK190E-CAL1	CABINET LEG1		3
	82	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	81	M-PPR-6000	PHASE PROTECTION RELAY		1
	80	SEE_REF TABLE	TRANSFORMER		1
	79	M-CNT-1600	COMPRESSOR CONTACTOR		1
	78	M-CNT-MP	FAN CONTACTOR		1
	77	M-PWC-2400	POWER CONNECTOR		3
	76	M-COP-1600	COMPRESSOR OVERLOAD PROTECTION		1
	75	MK210E-RTA1	ROTOLOCK ADAPTOR1		1
	74	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	73	MK260E-SVC	SOLENOID VALVE COIL		1
	72	M-MMM-6000	MEMBRANE		1
	71	M-FNS-0200	FAN ON/OFF SWITCH		1
	70	M-HPS-0200	HIGH PRESSURE SWITCH		1
	69	MK260E-LPS	LOW PRESSURE SWICH		1
	68	MK260E-HNG	HINGE		3
	67	MK260E-DLK	DOOR LOCK		3
	66	MK260E-SCF	SWITCH CONNECTION FITTING		3
	65	MK260E-DRS-NPT	DRAIN SLEEVE		1
	64	MK190E-ELP	ELECTRICAL PANEL		1
	63	MK190E-ELB-US	ELECTRICAL BOX		1
	62	MK260E-T12	T 1/2"		1
	61	MK260E-FTS	FLAT FITTINGS		1
	60	MK260E-T14	T 1/4"		1
	59	M-DBV-6000	DRAIN BALL VALVE		3
	58	M-MMV-6000	MEMBRAN VALVE		1
	57	M-SLV-6000-24	SOLENOID VALVE		1
	56	MK260E-EWF2	ELBOW FITTINGS2		1
	55	MK260E-MBC1	MANIFOLD BLIND CAP1		3
	54	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		1
	53	MK260E-DRM	DRAIN MANIFOLD		1
	52	MK260E-PPC	PLASTIC PIPE CLAMP		1
	51	MK190E-PCS	PIPING CONNECTION SHEET		1
	50	M-BYV-1200	BY-PASS VALVE		1
	49	MK190E-DST	DISTRIBUTOR		1
	48	MK260E-DSTK	DISTRIBUTOR CLAMP		1
	47	M-EXV-1200	EXPANSION VALVE		1
	46	M-CLP-1200	CLAMP		1
	45	MK190E-DRI	DRYER-DEHYDRATOR		1
	44	M-CPF-6000	1/4" CUPPER PIPE FITTING		2
	43	MK260E-RSV	ROTOLOCK SERVICE VALVE		2
	42	MK210E-ASF	ASTROFLEX		1
	41	MK190E-SGL2	SIGHT GLASS2		1
	40	M-OSP-1600	OIL SEPARATOR		1
	39	MK260E-CTC1	CAPPILARY TUBE CONNECTION1		8
	38	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		3
	37	M-OSO-1600	OIL SEPARATOR ORING		1
	36	MK190E-RCV	LIQUID RECEIVER		1
	35	MK190E-SPR	SEPERATOR		1
	34	MK190E-SGL1	SIGHT GLASS1		1
	33	MK260E-BLT850	BOLT M8x50		10
	32	MK260E-WHR22	WASHER 22x8,2x2,4		10
	31	M-FOP-1600	FAN OVERLOAD PROTECTOR		2
	30	MK190E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	29	SEE_REF TABLE	COMPRESSOR		1
	28	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		3
	27	MK260E-EWF1	ELBOW FITTINGS1		4
	26	MK260E-RTA4	ROTOLOCK ADAPTOR4		2
	25	M-RTA-5000-2	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	24	M-OSE-1600	OIL SEPARATOR ELEMENT		1
	23	MK160E-RTA2	ROTOLOCK ADAPTOR2		2
	22	MK210E-CPG4	COUPLING CLAMP 4		2
	21	MK260E-BLA	BALL VALVE G 1/4"		1
	20	M-STU-6000	CABINET STUD AND NUT		14
	19	MK210E-CPG3	COUPLING CLAMP 3		4
	18	M-SCF-6000	SENSOR CONNECTION FITTING		1
	17	MK210E-FLG-US	FLANGE		2
	16	MK190E-CLLB	COLLECTOR BOTTOM		1
	15	MK190E-CLLT	COLLECTOR TOP		1
	14	MK260E-CPG1	COUPLING CLAMP 1		4
	13	MK260E-EXC	HEAT EXCHANGER		2
	12	MK150E-RTA2	ROTOLOCK ADAPTOR2		2
	11	M-CCP-6000	CONDUIT FOR CONTROL PANEL		8
	10	MK260E-BLT630	BOLT M6x30		58
	09	M-NUT-6000	CAGE NUT M6		58
	08	MK190E-CRP	CONDENSER REINFORCEMENT PLATE		1
	07	MK190E-FPRT	FAN PROTECTOR		1
	06	MK260E-BLT630	BOLT M8x30		8
	05	N/A	N/A		-
	04	SEE_REF TABLE	FAN MOTOR		2
	03	N/A	N/A		-
	02	MK190E-CON	CONDANSER		1
	01	MK190E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 1500



8.1 - ED & Spare Part List

**ODRD 1500**

(4) (29) (80)

DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-1500	1500 SCFM	ODRD-1500	400V/3Ph/50Hz	AIR COOLED	M-FMT-1600-460-3-60	M-CMP-1600-460-3-60	MK260E-TRF
ODRD-1500	1500 SCFM	ODRD-1500	460V/3Ph/60Hz	AIR COOLED	M-FMT-1600-460-3-60	M-CMP-1600-460-3-60	M-TRF-1600
ODRD-1500	1500 SCFM	ODRD-1500	575V/3Ph/60Hz	AIR COOLED	M-FMT-1600-575-3-60	M-CMP-1600-575-3-60	M-TRF-6000-575-3-60

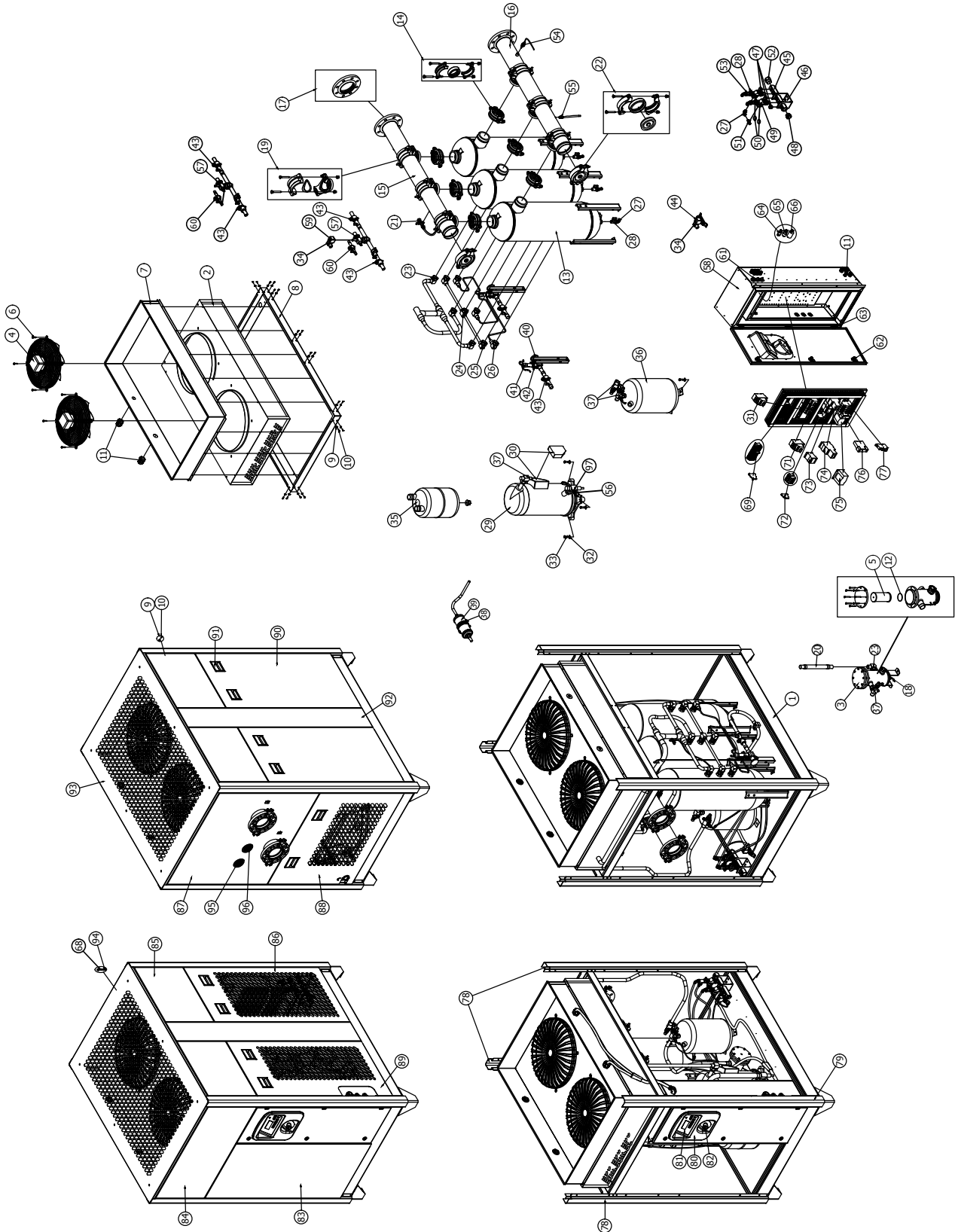
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	MK190E-RMS	REMOVABLE SHIELD		4
	99	M-FAS-6000	CABINET FASTENER		14
	98	MK190E-CAT	CABINET TOP		1
	97	MK190E-CPS	CABINET POST SECONDARY SIDE		2
	96	MK190E-CRS	CABINET REAR SIDE BOTTOM		1
	95	M-CHN-6000	CABINET HANDLE (NEW)		10
	94	MK190E-CSB2-US	CABINET SIDE BOTTOM2		1
	93	MK190E-CSB1	CABINET REAR BOTTOM1		1
	92	MK190E-CRT-US	CABINET REAR TOP		1
	91	MK190E-CSB	CABINET SIDE BOTTOM		2
	90	MK190E-CST	CABINET SIDE TOP		4
	89	MK190E-CFT	CABINET FRONT TOP		1
	88	MK190E-CFB	CABINET FRONT BOTTOM		1
	87	MK260E-MSW	MAIN SWITCH		1
	86	MK260E-DCC-24	ADVANCED DIGITAL CONTROLLER		1
	85	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	84	MK190E-CAL2	CABINET LEG2		1
	83	MK190E-CAL1	CABINET LEG1		3
	82	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	81	M-PPR-6000	PHASE PROTECTION RELAY		1
	80	SEE REF TABLE	TRANSFORMER		1
	79	M-CNT-1600	COMPRESSOR CONTACTOR		1
	78	M-CNT-MP	FAN CONTACTOR		1
	77	M-PWC-2400	POWER CONNECTOR		3
	76	M-COP-1600	COMPRESSOR OVERLOAD PROTECTION		1
	75	MK210E-RTA1	ROTOLOCK ADAPTOR1		1
	74	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	73	MK260E-SVC	SOLENOID VALVE COIL		1
	72	M-MMM-6000	MEMBRANE		1
	71	M-FNS-0200	FAN ON/OFF SWITCH		1
	70	M-HPS-0200	HIGH PRESSURE SWITCH		1
	69	MK260E-LPS	LOW PRESSURE SWICH		1
	68	MK260E-HNG	HINGE		3
	67	MK260E-DLK	DOOR LOCK		3
	66	MK260E-SCF	SWITCH CONNECTION FITTING		3
	65	MK260E-DRS-NPT	DRAIN SLEEVE		1
	64	MK190E-ELP	ELECTRICAL PANEL		1
	63	MK190E-ELB-US	ELECTRICAL BOX		1
	62	MK260E-T12	T 1/2"		1
	61	MK260E-FTS	FLAT FITTINGS		1
	60	MK260E-T14	T 1/4"		1
	59	M-DBV-6000	DRAIN BALL VALVE		3
	58	M-MMV-6000	MEMBRAN VALVE		1
	57	M-SLV-6000-24	SOLENOID VALVE		1
	56	MK260E-EWF2	ELBOW FITTINGS2		1
	55	MK260E-MBC1	MANIFOLD BLIND CAP1		3
	54	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		1
	53	MK260E-DRM	DRAIN MANIFOLD		1
	52	MK260E-PPC	PLASTIC PIPE CLAMP		1
	51	MK190E-PCS	PIPING CONNECTION SHEET		1
	50	M-BYV-1200	BY-PASS VALVE		1
	49	MK190E-DST	DISTRIBUTOR		1
	48	MK260E-DSTK	DISTRIBUTOR CLAMP		1
	47	M-EXV-1200	EXPANSION VALVE		1
	46	M-CLP-1200	CLAMP		1
	45	MK190E-DRI	DRYER-DEHYDRATOR		1
	44	M-CPF-6000	1/4 CUPPER PIPE FITTING		2
	43	MK260E-RSV	ROTOLOCK SERVICE VALVE		2
	42	MK210E-ASF	ASTROFLEX		1
	41	MK190E-SGL2	SIGHT GLASS2		1
	40	M-OSP-1600	OIL SEPARATOR		1
	39	MK260E-CTC1	CAPPILARY TUBE CONNECTION1		8
	38	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		3
	37	M-OSO-1600	OIL SEPARATOR ORING		1
	36	MK190E-RCV	LIQUID RECEIVER		1
	35	MK190E-SPR	SEPERATOR		1
	34	MK190E-SGL1	SIGHT GLASS1		1
	33	MK260E-BLT850	BOLT M8x50		10
	32	MK260E-WHR22	WASHER 22x8 2x2.4		10
	31	M-FOP-1600	FAN OVERLOAD PROTECTOR		2
	30	MK190E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	29	SEE REF TABLE	COMPRESSOR		1
	28	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		3
	27	MK260E-EWF1	ELBOW FITTINGS1		4
	26	MK260E-RTA4	ROTOLOCK ADAPTOR4		2
	25	M-RTA-5000-2	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	24	M-OSE-1600	OIL SEPARATOR ELEMENT		1
	23	MK160E-RTA2	ROTOLOCK ADAPTOR2		2
	22	MK210E-CPG4	COUPLING CLAMP 4		2
	21	MK260E-BLA	BALL VALVE G 1/4"		1
	20	M-STU-6000	CABINET STUD AND NUT		14
	19	MK210E-CPG3	COUPLING CLAMP 3		4
	18	M-SCF-6000	SENSOR CONNECTION FITTING		1
	17	MK210E-FLG-US	FLANGE		2
	16	MK190E-CLLB	COLLECTOR BOTTOM		1
	15	MK190E-CLLT	COLLECTOR TOP		1
	14	MK260E-CPG1	COUPLING CLAMP 1		4
	13	MK260E-EXC	HEAT EXCHANGER		2
	12	MK150E-RTA2	ROTOLOCK ADAPTOR2		2
	11	M-CCP-6000	CONDUIT FOR CONTROL PANEL		8
	10	MK260E-BLT630	BOLT M6x30		58
	09	M-NUT-6000	CAGE NUT M6		58
	08	MK190E-CRP	CONDENSER REINFORCEMENT PLATE		1
	07	MK190E-FPRT	FAN PROTECTOR		1
	06	MK260E-BLT630	BOLT M8x30		8
	05	N/A	N/A		-
	04	SEE REF TABLE	FAN MOTOR		2
	03	N/A	N/A		-
	02	MK190E-CON	CONDANSER		1
	01	MK190E-CAB	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY

PART LIST



# 8.1 - ED & Spare Part List

## ODRD 2000



8.1 - ED & Spare Part List

# ODRD 2000

(4) (29) (75)

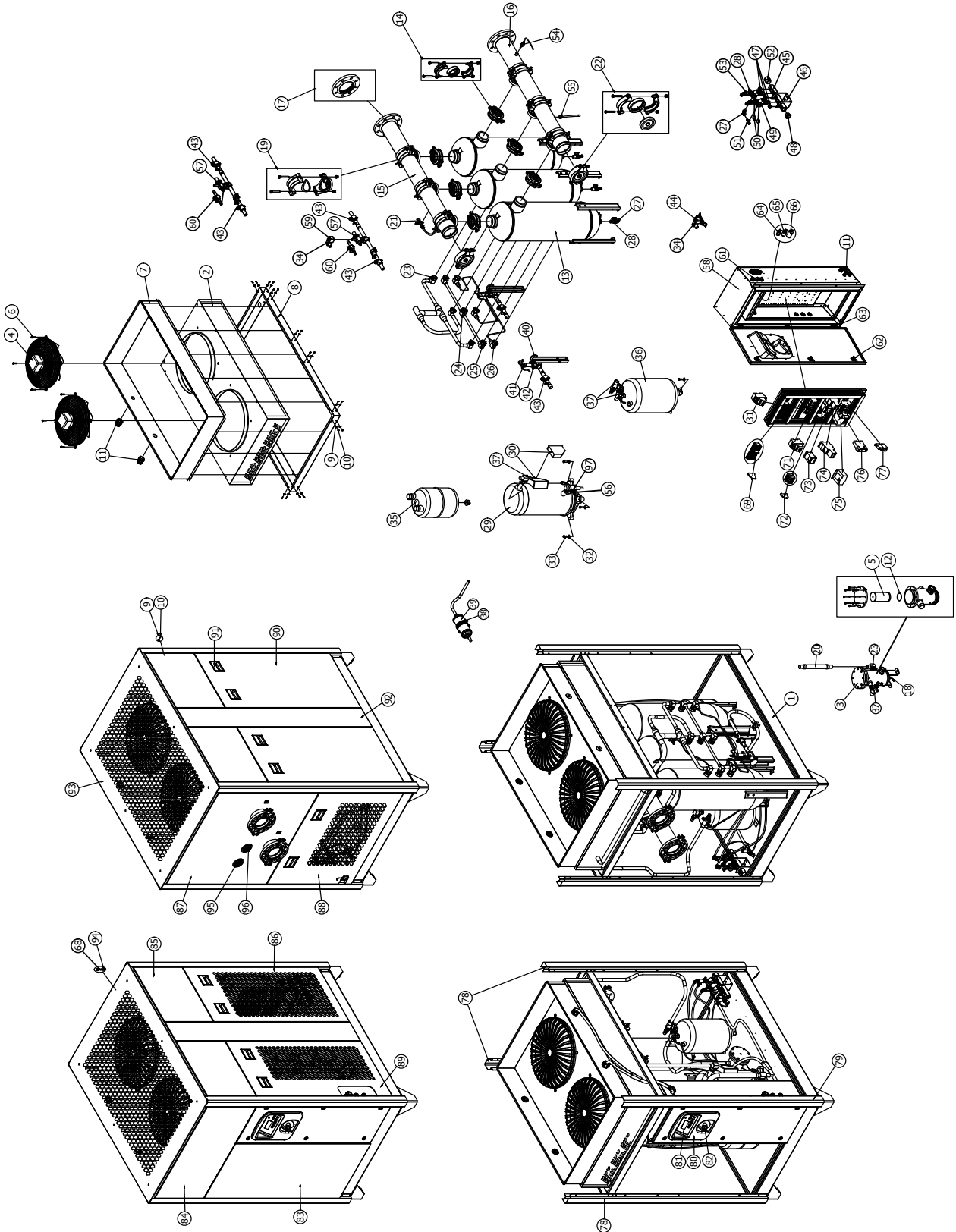
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-2000	2000 SCFM	ODRD-2000	400V/3Ph/50Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2000-460-3-60	MK260E-TRF
ODRD-2000	2000 SCFM	ODRD-2000	460V/3Ph/60Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2000-460-3-60	M-TRF-1600
ODRD-2000	2000 SCFM	ODRD-2000	575V/3Ph/60Hz	AIR COOLED	M-FMT-6000-575-3-60	M-CMP-2000-575-3-60	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	97	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	96	MK260E-HPG	HIGH PRESSURE GAUGE		1
	95	MK260E-LPG	LOW PRESSURE GAUGE		1
	94	M-FAS-6000	CABINET FASTENER		14
	93	MK190E-CAT	CABINET TOP		1
	92	MK210E-CPS	CABINET POST SECONDARY SIDE		2
	91	M-CHN-6000	CABINET HANDLE		10
	90	MK210E-CRS	CABINET REAR SIDE BOTTOM		2
	89	MK210E-CSB2-US	CABINET SIDE BOTTOM2		1
	88	MK210E-CSB1	CABINET REAR BOTTOM1		1
	87	MK210E-CRT-US	CABINET REAR TOP		1
	86	MK210E-CSB	CABINET SIDE BOTTOM		1
	85	MK210E-CST	CABINET SIDE TOP		4
	84	MK210E-CFT	CABINET FRONT TOP		1
	83	MK210E-CFB	CABINET FRONT BOTTOM		1
	82	MK260E-MSW	MAIN SWITCH		1
	81	MK260E-DCC-24	ADVANCED DIGITAL CONTROLLER		1
	80	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	79	MK210E-CAL2	CABINET LEG2		1
	78	MK210E-CAL1	CABINET LEG1		3
	77	M-FIH-6000	HIGH VOLTAGE FUSE HOLDER		4
	76	M-PPR-6000	PHASE PROTECTION RELAY		1
	75	SEE REF TABLE	TRANSFORMER		1
	74	M-CNT-2400	COMPRESSOR CONTACTOR		1
	73	M-CNT-MP	FAN CONTACTOR		2
	72	M-PWC-2400	POWER CONNECTOR		3
	71	M-COP-3000	COMPRESSOR OVERLOAD PROTECTION		1
	70	N/A	N/A		-
	69	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	68	M-STU-6000	CABINET STUD AND NUT		14
	67	N/A	N/A		-
	66	M-FNS-0200	FAN ON/OFF SWITCH		1
	65	M-HPS-0200	HIGH PRESSURE SWITCH		1
	64	MK260E-LPS	LOW PRESSURE SWICH		1
	63	MK260E-HNG	HINGE		3
	62	MK260E-DLK	DOOR LOCK		3
	61	MK260E-SCF	SWITCH CONNECTION FITTING		3
	60	MK260E-GBV-1/4	BALL VALVE 1/4		1
	59	MK210E-BSLV	BY BASS SOLENOID VALVE		1
	58	MK210E-ELB-US	ELECTRICAL BOX		1
	57	M-BYV-1600	BY PASS VALVE		1
	56	M-CPF-6000-O	1/4 90° ORIFICE CUPPER PIPE FITTING		1
	55	MK260E-FTS	FLAT FITTINGS		1
	54	M-SCF-6000	SENSOR CONNECTION FITTING		1
	53	MK260E-MAS	MANSON 1/2"		2
	52	MK260E-DRS-NPT	DRAIN SLEEVE		1
	51	MK260E-T14	ELBOW FITTINGS T 1/4"		1
	50	M-MMM-6000	MEMBRANE		2
	49	M-MMV-6000	MEMBRAN VALVE		2
	48	MK260E-MBC2	MANIFOLD BLIND CAP2		1
	47	MK260E-MBC1	MANIFOLD BLIND CAP1		3
	46	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		1
	45	MK260E-DRM	DRAIN MANIFOLD		1
	44	M-SLV-6000-24	SOLENOID VALVE		1
	43	MK260E-GBV	BALL VALVE		5
	42	MK260E-DSTK	DISTRIBUTOR CLAMP		1
	41	MK210E-DST	DISTRIBUTOR		1
	40	M-EXV-2400	EXPANSION VALVE		1
	39	MK210E-DRI	DRYER-DEHYDRATOR		1
	38	M-CLP-1200	CLAMP		1
	37	MK160E-RTA2	ROTOLOCK ADAPTOR2		4
	36	MK210E-RCV	LIQUID RECEIVER		1
	35	MK210E-SPR	SEPERATOR		1
	34	MK260E-SVC	SOLENOID VALVE COIL		2
	33	MK260E-BLT850	BOLT M8x50		10
	32	MK260E-WHR22	WASHER 22x8, 2x2,4		10
	31	M-COP-0325	FAN OVERLOAD PROTECTOR		2
	30	MK210E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	29	SEE REF TABLE	COMPRESSOR		1
	28	M-DBV-6000	DRAIN BALL VALVE		5
	27	MK260E-EWF1	ELBOW FITTINGS1		10
	26	MK260E-RTA4	ROTOLOCK ADAPTOR4		3
	25	M-RTA-5000-2	ROTALOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	24	M-RTA-5000-T-2	ROTALOCK VALVE "T"ADAPTOR FOR HEAT EXCHANGER		1
	23	M-RTA-5000-1	ROTALOCK VALVE ADAPTOR FOR HEAT EXCHANGER		4
	22	MK210E-CPG4	COUPLING CLAMP 4		2
	21	MK260E-BLV	BALL VALVE		1
	20	MK210E-ASF	ASTROFLEX		1
	19	MK210E-CPG3	COUPLING CLAMP 3		6
	18	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		3
	17	MK210E-CPG2-UL	COUPLING CLAMP 2		2
	16	MK210E-CLLB	COLLECTOR BOTTOM		1
	15	MK210E-CLLT	COLLECTOR TOP		1
	14	MK260E-CPG1	COUPLING CLAMP 1		6
	13	MK260E-EXC	HEAT EXCHANGER		3
	12	M-OSO-2400	OIL SEPARATOR ORING		1
	11	M-CCP-6000	CONDUIT FOR CONTROL PANEL		5
	10	MK260E-BLT630	BOLT M6x30		58
	09	M-NUT-6000	CAGE NUT M6		58
	08	MK210E-CRP	CONDENSER REINFORCEMENT PLATE		1
	07	MK210E-FPRT	FAN PROTECTOR		1
	06	MK260E-BLT830	BOLT M8x30		8
	05	M-OSE-2400	OIL SEPARATOR ELEMENT		1
	04	SEE REF TABLE	FAN MOTOR		2
	03	M-OSP-2400	OIL SEPARATOR		1
	02	MK210E-CON	CONDANSER		1
	01	MK210E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 2350





8.1 - ED & Spare Part List

**ODRD 2350**

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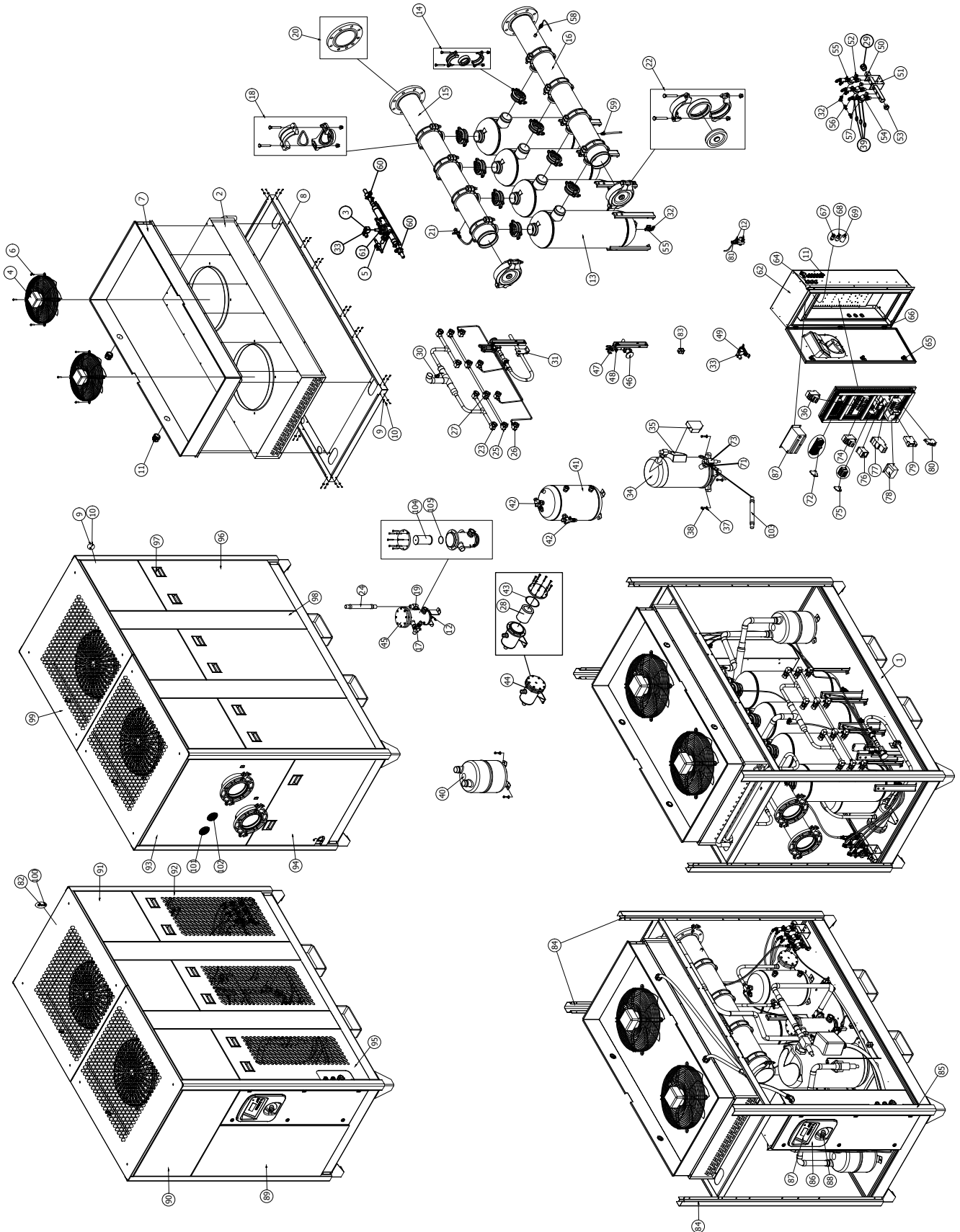
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-2750	2750 SCFM	ODRD-2750	400V/3Ph/50Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-3000-460-3-60	MK260E-TRF
ODRD-2750	2750 SCFM	ODRD-2750	460V/3Ph/60Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-3000-460-3-60	M-TRF-1600
ODRD-2750	2750 SCFM	ODRD-2750	575V/3Ph/60Hz	AIR COOLED	M-FMT-6000-575-3-60	M-CMP-3000-575-3-60	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	97	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	96	MK260E-HPG	HIGH PRESSURE GAUGE		1
	95	MK260E-LPG	LOW PRESSURE GAUGE		1
	94	M-FAS-6000	CABINET FASTENER		14
	93	MK190E-CAT	CABINET TOP		1
	92	MK210E-CPS	CABINET POST SECONDARY SIDE		2
	91	M-CHN-6000	CABINET HANDLE		10
	90	MK210E-CRS	CABINET REAR SIDE BOTTOM		2
	89	MK210E-CSB2-US	CABINET SIDE BOTTOM2		1
	88	MK210E-CSB1	CABINET REAR BOTTOM1		1
	87	MK210E-CRT-US	CABINET REAR TOP		1
	86	MK210E-CSB	CABINET SIDE BOTTOM		1
	85	MK210E-CST	CABINET SIDE TOP		4
	84	MK210E-CFT	CABINET FRONT TOP		1
	83	MK210E-CFB	CABINET FRONT BOTTOM		1
	82	MK260E-MSW	MAIN SWITCH		1
	81	MK260E-DCC-24	ADVANCED DIGITAL CONTROLLER		1
	80	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	79	MK210E-CAL2	CABINET LEG2		1
	78	MK210E-CAL1	CABINET LEG1		3
	77	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	76	M-PPR-6000	PHASE PROTECTION RELAY		1
	75	SEE REF TABLE	TRANSFORMER		1
	74	M-CNT-2400	COMPRESSOR CONTACTOR		1
	73	M-CNT-MP	FAN CONTACTOR		2
	72	M-PWC-2400	POWER CONNECTOR		3
	71	M-COP-3000	COMPRESSOR OVERLOAD PROTECTION		1
	70	N/A	N/A		-
	69	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	68	M-STU-6000	CABINET STUD AND NUT		14
	67	N/A	N/A		-
	66	M-FNS-0200	FAN ON/OFF SWITCH		1
	65	M-HPS-0200	HIGH PRESSURE SWITCH		1
	64	MK260E-LPS	LOW PRESSURE SWICH		1
	63	MK260E-HNG	HINGE		3
	62	MK260E-DLK	DOOR LOCK		3
	61	MK260E-SCF	SWITCH CONNECTION FITTING		3
	60	MK260E-GBV-1/4	BALL VALVE 1/4		1
	59	MK210E-BSLV	BY BASS SOLENOID VALVE		1
	58	MK210E-ELB-US	ELECTRICAL BOX		1
	57	M-BYV-1600	BY PASS VALVE		1
	56	M-CPF-6000-O	1/4 90° ORIFICE CUPPER PIPE FITTING		1
	55	MK260E-FTS	FLAT FITTINGS		1
	54	M-SCF-6000	SENSOR CONNECTION FITTING		1
	53	MK260E-MAS	MANSON 1/2"		2
	52	MK260E-DRS-NPT	DRAIN SLEEVE		1
	51	MK260E-T14	ELBOW FITTINGS T 1/4"		1
	50	M-MMM-6000	MEMBRANE		2
	49	M-MMV-6000	MEMBRAN VALVE		2
	48	MK260E-MBC2	MANIFOLD BLIND CAP2		1
	47	MK260E-MBC1	MANIFOLD BLIND CAP1		3
	46	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		1
	45	MK260E-DRM	DRAIN MANIFOLD		1
	44	M-SLV-6000-24	SOLENOID VALVE		1
	43	MK260E-GBV	BALL VALVE		5
	42	MK260E-DSTK	DISTRIBUTOR CLAMP		1
	41	MK210E-DST	DISTRIBUTOR		1
	40	M-EXV-2400	EXPANSION VALVE		1
	39	MK210E-DRI	DRYER-DEHYDRATOR		1
	38	M-CLP-1200	CLAMP		1
	37	MK160E-RTA2	ROTOLOCK ADAPTOR2		4
	36	MK210E-RCV	LIQUID RECEIVER		1
	35	MK210E-SPR	SEPERATOR		1
	34	MK260E-SVC	SOLENOID VALVE COIL		2
	33	MK260E-BLT850	BOLT M8x50		10
	32	MK260E-WHR22	WASHER 22x8 2x2.4		10
	31	M-COP-0325	FAN OVERLOAD PROTECTOR		2
	30	MK210E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	29	SEE REF TABLE	COMPRESSOR		1
	28	M-DBV-6000	DRAIN BALL VALVE		5
	27	MK260E-EWF1	ELBOW FITTINGS1		10
	26	MK260E-RTA4	ROTOLOCK ADAPTOR4		3
	25	M-RTA-5000-2	ROTALOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	24	M-RTA-5000-T-2	ROTALOCK VALVE "T" ADAPTOR FOR HEAT EXCHANGER		1
	23	M-RTA-5000-1	ROTALOCK VALVE ADAPTOR FOR HEAT EXCHANGER		4
	22	MK210E-CPG4	COUPLING CLAMP 4		2
	21	MK260E-BLV	BALL VALVE		1
	20	MK210E-ASF	ASTROFLEX		1
	19	MK210E-CPG3	COUPLING CLAMP 3		6
	18	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		3
	17	MK210E-CPG2-UL	COUPLING CLAMP 2		2
	16	MK210E-CLLB	COLLECTOR BOTTOM		1
	15	MK210E-CLLT	COLLECTOR TOP		1
	14	MK260E-CPG1	COUPLING CLAMP 1		6
	13	MK260E-EXC	HEAT EXCHANGER		3
	12	M-OSO-2400	OIL SEPARATOR ORING		1
	11	M-CCP-6000	CONDUIT FOR CONTROL PANEL		5
	10	MK260E-BLT630	BOLT M6x30		58
	09	M-NUT-6000	CAGE NUT M6		58
	08	MK210E-CRP	CONDENSER REINFORCEMENT PLATE		1
	07	MK210E-FPRT	FAN PROTECTOR		1
	06	MK260E-BLT830	BOLT M8x30		8
	05	M-OSE-2400	OIL SEPARATOR ELEMENT		1
	04	SEE REF TABLE	FAN MOTOR		2
	03	M-OSP-2400	OIL SEPARATOR		1
	02	MK210E-CON	CONDANSER		1
	01	MK210E-CAB	CABINET BASE		1
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY

PART LIST

# 8.1 - ED & Spare Part List

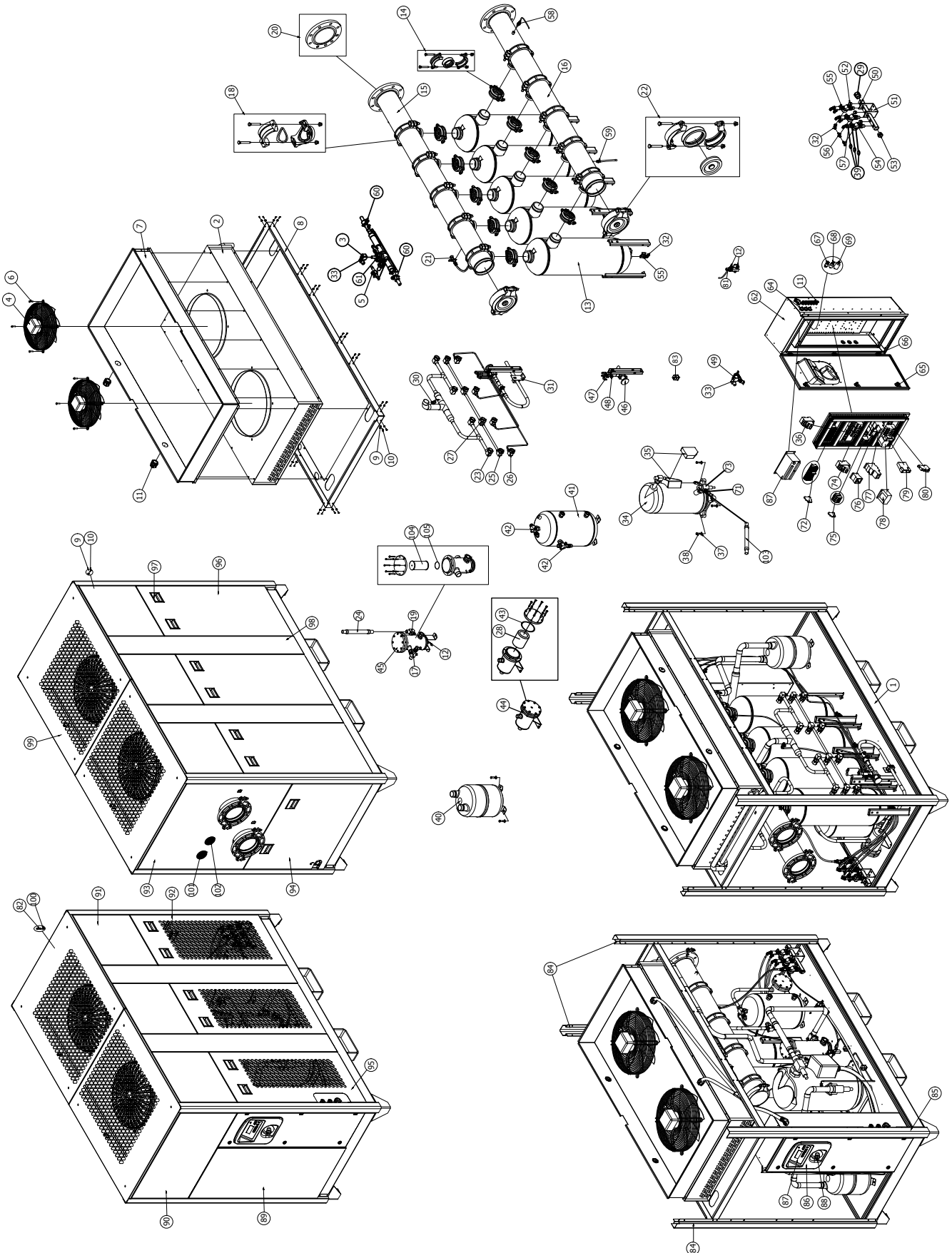
## ODRD 2750





# 8.1 - ED & Spare Part List

## ODRD 3000



8.1 - ED & Spare Part List

**ODRD 3000**

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DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-3000	3000 SCFM	ODRD-3000	400V/3Ph/50Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-3000-460-3-60	MK260E-TRF
ODRD-3000	3000 SCFM	ODRD-3000	460V/3Ph/60Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-3000-460-3-60	M-TRF-1600
ODRD-3000	3000 SCFM	ODRD-3000	575V/3Ph/60Hz	AIR COOLED	M-FMT-6000-575-3-60	M-CMP-3000-575-3-60	M-TRF-6000-575-3-60

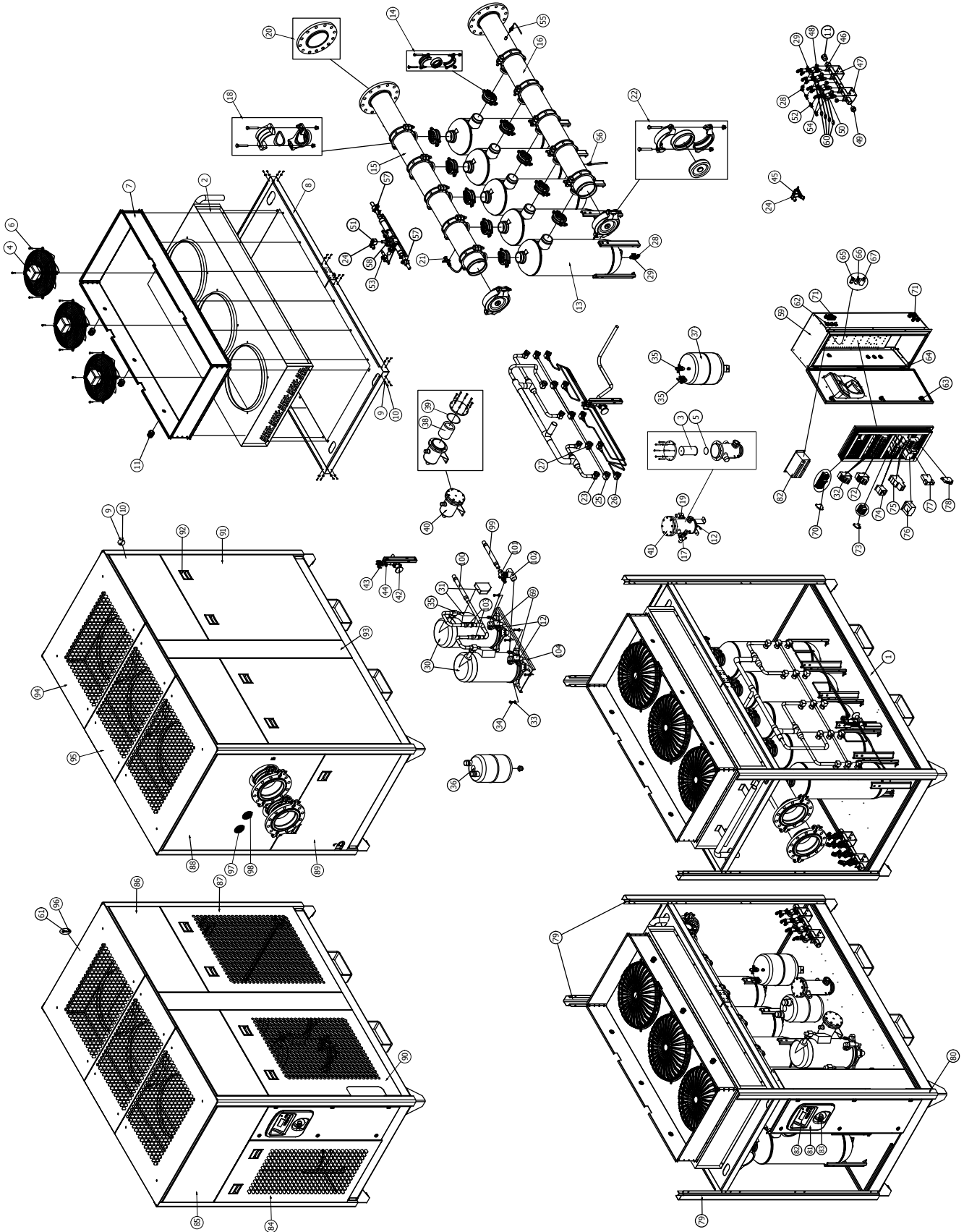
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	105	M-OSO-5000	OIL SEPARATOR ORING		1
	104	M-OSE-5000	OIL SEPARATOR ELEMENT		1
	103	MK230E-ASF	ASTROFLEX		1
	102	MK260E-HPG	HIGH PRESSURE GAUGE		1
	101	MK260E-LPG	LOW PRESSURE GAUGE		1
	100	M-FAS-6000	CABINET FASTENER		28
	99	MK220E-CAT1	CABINET TOP1		2
	98	MK230E-CPS	CABINET POST SECONDARY SIDE		4
	97	M-CHN-6000	CABINET HANDLE		14
	96	MK230E-CRS	CABINET REAR SIDE BOTTOM		3
	95	MK230E-CSB2-US	CABINET SIDE BOTTOM2		1
	94	MK230E-CSB1	CABINET REAR BOTTOM1		1
	93	MK230E-CRT-US	CABINET REAR TOP		1
	92	MK230E-CRS	CABINET REAR SIDE BOTTOM		2
	91	MK230E-CST	CABINET SIDE TOP		6
	90	MK230E-CFT	CABINET FRONT TOP		1
	89	MK230E-CFB	CABINET FRONT BOTTOM		1
	88	MK260E-MSW	MAIN SWITCH		1
	87	MK260E-ESD3	ESD3 CONTROLLER		1
	86	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	85	MK230E-CAL2	CABINET LEG2		1
	84	MK230E-CAL1	CABINET LEG1		3
	83	MK260E-CCP2	CUPPER CLAMP2		2
	82	M-STU-6000	CABINET STUD AND NUT		28
	81	MK260E-RSV	ROTOLOCK SERVICE VALVE		1
	80	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	79	M-PPR-6000	PHASE PROTECTION RELAY		1
	78	SEE REF TABLE	TRANSFORMER		1
	77	M-CNT-3000	COMPRESSOR CONTACTOR		1
	76	M-CNT-MP	FAN CONTACTOR		2
	75	M-PWC-3800	POWER CONNECTOR		4
	74	M-COP-3000	COMPRESSOR OVERLOAD PROTECTOR		1
	73	MK230E-RTA6	ROTOLOCK VALVE6		1
	72	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	71	M-GPF-6000-O	1/4 90° ORIFICE CUPPER PIPE FITTING		1
	70	N/A	N/A		-
	69	M-FNS-0200	FAN ON/OFF SWITCH		1
	68	M-HPS-0200	HIGH PRESSURE SWITCH		1
	67	MK260E-LPS	LOW PRESSURE SWICH		1
	66	MK260E-HNG	HINGE		3
	65	MK260E-DLK	DOOR LOCK		3
	64	MK260E-SCF	SWITCH CONNECTION FITTING		3
	63	N/A	N/A		-
	62	MK250E-ELB-US	ELECTRICAL BOX		1
	61	M-BYV-6000	BY PASS VALVE		1
	60	MK260E-GBV	BALL VALVE		3
	59	MK260E-FTS	FLAT FITTINGS		4
	58	M-SCF-6000	SENSOR CONNECTION FITTING		1
	57	MK260E-MAS	MANSON 1/2"		5
	56	MK260E-T14	ELBOW FITTINGS T 1/4"		2
	55	M-DBV-6000	DRAIN BALL VALVE		10
	54	M-MMV-6000	MEMBRAN VALVE		3
	53	MK260E-MBC2	MANIFOLD BLIND CAP2		1
	52	MK260E-MBC1	MANIFOLD BLIND CAP1		3
	51	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		1
	50	MK230E-DRM	DRAIN MANIFOLD		1
	49	M-SLV-6000-24	SOLENOID VALVE		1
	48	MK260E-DSTK	DISTRIBUTOR CLAMP		1
	47	MK230E-DST	DISTRIBUTOR		1
	46	M-EXV-3000	EXPANSION VALVE		1
	45	M-OSP-5000	OIL SEPERATOR		1
	44	M-DRI-6000	DRYER-DEHYDRATOR		1
	43	M-DIS-6000	DRIER SEAL		1
	42	MK160E-RTA2	ROTOLOCK ADAPTOR2		2
	41	MK250E-RCV	LIQUID RECEIVER		1
	40	MK230E-SPR	SEPERATOR		1
	39	M-MMM-6000	MEMBRANE		3
	38	MK260E-BLT850	BOLT M8x50		12
	37	MK260E-WHR22	WASHER 22x8.2x2.4		12
	36	M-COP-0325	FAN OVERLOAD PROTECTOR		2
	35	MK230E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		1
	34	SEE REF TABLE	COMPRESSOR		1
	33	MK260E-SVC	SOLENOID VALVE COIL		2
	32	MK260E-EWF1	ELBOW FITTINGS1		10
	31	MK260E-CCP1	CUPPER CLAMP1		1
	30	MK260E-SVT	SETTING VALVE T		1
	29	MK260E-DRS-NPT	DRAIN SLEEVE		1
	28	M-DIE-6000	DRIER ELEMENT		1
	27	MK260E-RTA4	ROTOLOCK ADAPTOR4		2
	26	MK260E-RTA3	ROTOLOCK ADAPTOR3		4
	25	M-RTA-5000-2	ROTALOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	24	MK250E-ASF	ASTROFLEX		1
	23	M-RTA-5000-1	ROTALOCK VALVE ADAPTOR FOR HEAT EXCHANGER		4
	22	MK250E-CPG4	COUPLING CLAMP 4		2
	21	MK260E-BLV	BALL VALVE		1
	20	MK240E-CPG3-UL	COUPLING CLAMP 3		2
	19	MK250E-RTA5	ROTALOCK VALVE ADAPTOR		1
	18	MK250E-CPG2	COUPLING CLAMP 2		10
	17	MK260E-RTA3	ROTOLOCK ADAPTOR3		2
	16	MK230E-CLLB	COLLECTOR BOTTOM		1
	15	MK230E-CLLT	COLLECTOR TOP		1
	14	MK260E-CPG1	COUPLING CLAMP 1		10
	13	MK260E-EXC	HEAT EXCHANGER		5
	12	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		3
	11	M-CCP-6000	CONDUIT FOR CONTROL PANEL		12
	10	MK260E-BLT630	BOLT M6x30		60
	09	M-NUT-6000	CAGE NUT M6		60
	08	MK220E-CRP	CONDENSER REINFORCEMENT PLATE		1
	07	MK220E-FPRT	FAN PROTECTOR		1
	06	MK260E-BLT830	BOLT M8x30		8
	05	MK260E-GBV-1/4	BALL VALVE 1/4"		1
	04	SEE REF TABLE	FAN MOTOR		2
	03	MK260E-BSLV	BY BASS SOLENOID VALVE		1
	02	MK220E-CON	CONDANSER		1
	01	MK230E-CAB	CABINET BASE		1

PART LIST



# 8.1 - ED & Spare Part List

## ODRD 3600



8.1 - ED & Spare Part List

**ODRD 3600**

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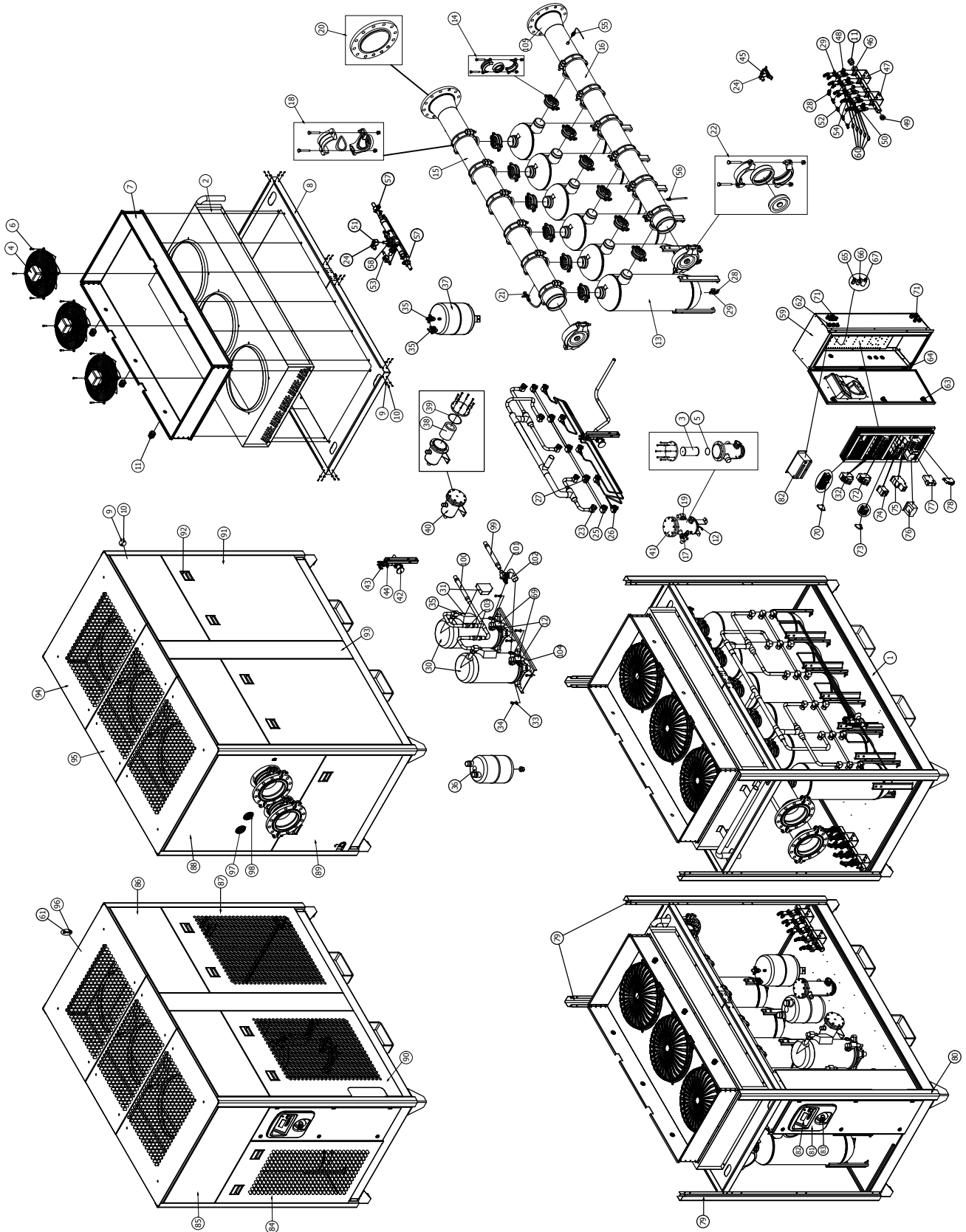
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-3600	3600 SCFM	ODRD-3600	400V/3Ph/50Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2000-460-3-60	MK260E-TRF
ODRD-3600	3600 SCFM	ODRD-3600	460V/3Ph/60Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2000-460-3-60	M-TRF-1600
ODRD-3600	3600 SCFM	ODRD-3600	575V/3Ph/60Hz	AIR COOLED	M-FMT-6000-575-3-60	M-CMP-2000-575-3-60	M-TRF-6000-575-3-60

104	MK260E-CLP	COMPRESSOR LOWER PLATE	1		
103	MK260E-CKV	CHECK VALVE	2		
102	MK260E-RTA7-T	ROTOLOCK ADAPTOR7-T	1		
101	MK260E-RTA7	ROTOLOCK ADAPTOR7	1		
100	MK250E-ASF	ASTROFLEX	1		
99	MK260E-ASF	ASTROFLEX	1		
98	MK260E-HPG	HIGH PRESSURE GAUGE	1		
97	MK260E-LPG	LOW PRESSURE GAUGE	1		
96	M-FAS-6000	CABINET FASTENER	28		
95	MK260E-CAT2	CABINET TOP2	1		
94	MK250E-CAT1	CABINET TOP1	2		
93	MK250E-CPS	CABINET POST SECONDARY SIDE	2		
92	M-CHN-6000	CABINET HANDLE	12		
91	MK250E-CRS	CABINET REAR SIDE BOTTOM	2		
90	MK250E-CSB2-US	CABINET SIDE BOTTOM2	1		
89	MK250E-CSB1	CABINET REAR BOTTOM1	1		
88	MK250E-CRT-US	CABINET REAR TOP	1		
87	MK250E-CRS	CABINET REAR SIDE BOTTOM	1		
86	MK250E-CST	CABINET SIDE TOP	4		
85	MK250E-CFT	CABINET FRONT TOP	1		
84	MK250E-CFB	CABINET FRONT BOTTOM	1		
83	MK260E-MSW	MAIN SWITCH	1		
82	MK260E-ESD3	ESD3 CONTROLLER	1		
81	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL	1		
80	MK250E-CAL2	CABINET LEG2	1		
79	MK250E-CAL1	CABINET LEG1	3		
78	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER	4		
77	M-PPR-6000	PHASE PROTECTION RELAY	1		
76	SEE REF TABLE	TRANSFORMER	1		
75	M-CNT-2400	COMPRESSOR CONTACTOR	2		
74	M-CNT-MP	FAN CONTACTOR	3		
73	M-PWC-3800	POWER CONNECTOR	4		
72	M-COP-2400	COMPRESSOR OVERLOAD PROTECTION	2		
71	M-CCP-6000	CONDUIT FOR CONTROL PANEL	10		
70	M-FHL-6000	LOW VOLTAGE FUSE HOLDER	1		
69	MK260E-RTA3	ROTOLOCK ADAPTOR3	2		
68	N/A	N/A	-		
67	M-FNS-0200	FAN ON/OFF SWITCH	1		
66	M-HPS-0200	HIGH PRESSURE SWITCH	1		
65	MK260E-LPS	LOW PRESSURE SWITCH	1		
64	MK260E-HNG	HINGE	3		
63	MK260E-DLK	DOOR LOCK	3		
62	MK260E-SCF	SWITCH CONNECTION FITTING	3		
61	M-STU-6000	CABINET STUD AND NUT	28		
60	M-MMM-6000	MEMBRANE	4		
59	MK250E-ELB-US	ELECTRICAL BOX	1		
58	M-BYV-6000	BY PASS VALVE	1		
57	MK260E-GBV	BALL VALVE	3		
56	MK260E-FTS	FLAT FITTINGS	1		
55	M-SCF-6000	SENSOR CONNECTION FITTING	1		
54	MK260E-MAS	MANSON 1/2"	6		
53	MK260E-GBV-1/4	BALL VALVE 1/4	1		
52	MK260E-T14	ELBOW FITTINGS T 1/4"	3		
51	MK260E-BSLV	BY BASS SOLENOID VALVE	1		
50	M-MMV-6000	MEMBRAN VALVE	4		
49	MK260E-MBC2	MANIFOLD BLIND CAP2	1		
48	MK260E-MBC1	MANIFOLD BLIND CAP1	5		
47	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL	2		
46	MK250E-DRM	DRAIN MANIFOLD	2		
45	M-SLV-6000-24	SOLENOID VALVE	1		
44	MK260E-DSTK	DISTRIBUTOR CLAMP	1		
43	MK240E-DST	DISTRIBUTOR	1		
42	M-EXV-5000	EXPANSION VALVE	1		
41	M-OSP-5000	OIL SEPERATOR	1		
40	M-DRI-6000	DRYER-DEHYDRATOR	1		
39	M-DIS-6000	DRIER SEAL	1		
38	M-DIE-6000	DRIER ELEMENT	1		
37	MK250E-RCV	LIQUID RECEIVER	1		
36	MK250E-SPR	SEPERATOR	1		
35	MK160E-RTA2	ROTOLOCK ADAPTOR2	4		
34	MK260E-BLT850	BOLT M8x50	14		
33	MK260E-WHR22	WASHER 22x8 2x2.4	14		
32	M-FOP-6000	FAN OVERLOAD PROTECTOR	3		
31	MK210E-CEC	COMPRESSOR ELECTRICAL BOX - COVER	2		
30	SEE REF TABLE	COMPRESSOR	2		
29	M-DBV-6000	DRAIN BALL VALVE	10		
28	MK260E-EWF1	ELBOW FITTINGS1	12		
27	M-RTA-5000-T-2	ROTOLOCK VALVE "T" ADAPTOR FOR HEAT EXCHANGER	3		
26	MK260E-RTA4	ROTOLOCK ADAPTOR4	5		
25	M-RTA-5000-2	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER	2		
24	MK260E-SVC	SOLENOID VALVE COIL	2		
23	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER	5		
22	MK250E-CPG4	COUPLING CLAMP 4	2		
21	MK260E-BLV	BALL VALVE	1		
20	MK240E-CPG3-UL	COUPLING CLAMP 3	2		
19	MK250E-RTA5	ROTOLOCK VALVE ADAPTOR	1		
18	MK250E-CPG2	COUPLING CLAMP 2	10		
17	MK260E-RTA3	ROTOLOCK ADAPTOR3	1		
16	MK240E-CLLB	COLLECTOR BOTTOM	1		
15	MK240E-CLLT	COLLECTOR TOP	1		
14	MK260E-CPG1	COUPLING CLAMP 1	10		
13	MK260E-EXC	HEAT EXCHANGER	5		
12	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING	6		
11	MK260E-DRS-NPT	DRAIN SLEEVE	1		
10	MK260E-BLT630	BOLT M6x30	58		
09	M-NUT-6000	CAGE NUT M6	58		
08	MK250E-CRP	CONDENSER REINFORCEMENT PLATE	2		
07	MK260E-FPRT	FAN PROTECTOR	1		
06	MK260E-BLT830	BOLT M8x30	12		
05	M-OSO-5000	OIL SEPARATOR ORING	1		
04	SEE REF TABLE	FAN MOTOR	3		
03	M-OSE-5000	OIL SEPARATOR ELEMENT	1		
02	MK250E-CON	CONDANSER	1		
01	MK250E-CAB	CABINET BASE	1		
DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 4000





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**ODRD 4000**

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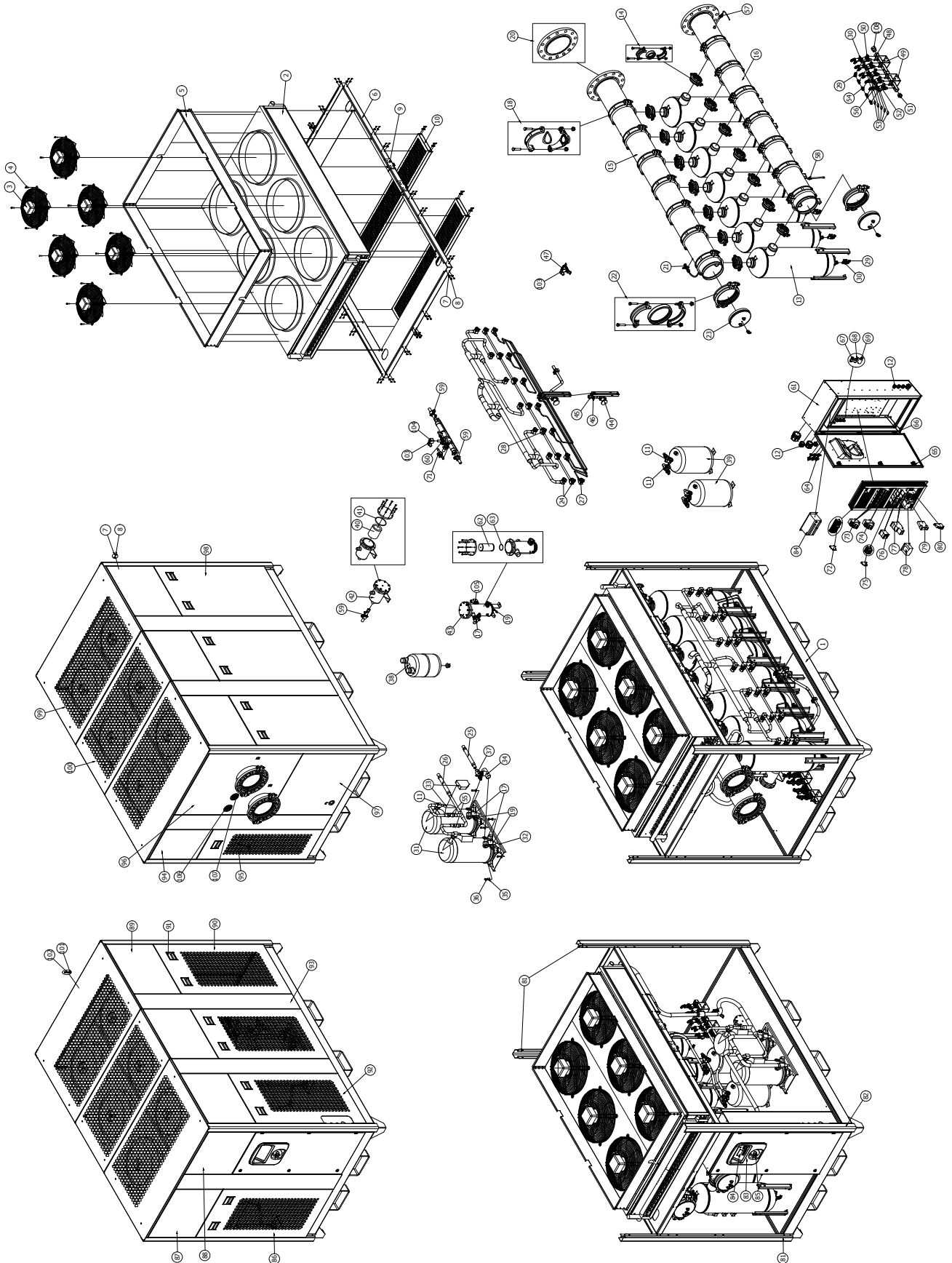
DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-4000	4000 SCFM	ODRD-4000	400V/3Ph/50Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2000-460-3-60	MK260E-TRF
ODRD-4000	4000 SCFM	ODRD-4000	460V/3Ph/60Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2000-460-3-60	M-TRF-1600
ODRD-4000	4000 SCFM	ODRD-4000	575V/3Ph/60Hz	AIR COOLED	M-FMT-6000-575-3-60	M-CMP-2000-575-3-60	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	105	MK250E-RDN	REDUCTION		2
	104	MK260E-CLP	COMPRESSOR LOWER PLATE		1
	103	MK260E-CKV	CHECK VALVE		2
	102	MK260E-RTA7-T	ROTOLOCK ADAPTOR7-T		1
	101	MK260E-RTA7	ROTOLOCK ADAPTOR7		1
	100	MK250E-ASF	ASTROFLEX		1
	99	MK260E-ASF	ASTROFLEX		1
	98	MK260E-HPG	HIGH PRESSURE GAUGE		1
	97	MK260E-LPG	LOW PRESSURE GAUGE		1
	96	M-FAS-6000	CABINET FASTENER		28
	95	MK260E-CAT2	CABINET TOP2		1
	94	MK250E-CAT1	CABINET TOP1		2
	93	MK250E-CPS	CABINET POST SECONDARY SIDE		2
	92	M-CHN-6000	CABINET HANDLE		12
	91	MK250E-CRS	CABINET REAR SIDE BOTTOM		2
	90	MK250E-CSB2-US	CABINET SIDE BOTTOM2		1
	89	MK250E-CSB1	CABINET REAR BOTTOM1		1
	88	MK250E-CRT-US	CABINET REAR TOP		1
	87	MK250E-CRS	CABINET REAR SIDE BOTTOM		1
	86	MK250E-CST	CABINET SIDE TOP		4
	85	MK250E-CFT	CABINET FRONT TOP		1
	84	MK250E-CFB	CABINET FRONT BOTTOM		1
	83	MK260E-MSW	MAIN SWITCH		1
	82	MK260E-ESD3	ESD3 CONTROLLER		1
	81	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	80	MK250E-CAL2	CABINET LEG2		1
	79	MK250E-CAL1	CABINET LEG1		3
	78	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	77	M-PPR-6000	PHASE PROTECTION RELAY		1
	76	SEE REF TABLE	TRANSFORMER		1
	75	M-CNT-2400	COMPRESSOR CONTACTOR		2
	74	M-CNT-MP	FAN CONTACTOR		3
	73	M-PWC-3800	POWER CONNECTOR		4
	72	M-COP-2400	COMPRESSOR OVERLOAD PROTECTION		2
	71	M-CCP-6000	CONDUIT FOR CONTROL PANEL		10
	70	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	69	MK260E-RTA3	ROTOLOCK ADAPTOR3		2
	68	N/A	N/A		-
	67	M-FNS-0200	FAN ON/OFF SWITCH		1
	66	M-HPS-0200	HIGH PRESSURE SWITCH		1
	65	MK260E-LPS	LOW PRESSURE SWICH		1
	64	MK260E-HNG	HINGE		3
	63	MK260E-DLK	DOOR LOCK		3
	62	MK260E-SCF	SWITCH CONNECTION FITTING		3
	61	M-STU-6000	CABINET STUD AND NUT		28
	60	M-MMM-6000	MEMBRANE		5
	59	MK250E-ELB-US	ELECTRICAL BOX		1
	58	M-BYV-6000	BY PASS VALVE		1
	57	MK260E-GBV	BALL VALVE		3
	56	MK260E-FTS	FLAT FITTINGS		1
	55	M-SCF-6000	SENSOR CONNECTION FITTING		1
	54	MK260E-MAS	MANSON 1/2"		8
	53	MK260E-GBV-1/4	BALL VALVE 1/4		1
	52	MK260E-T14	ELBOW FITTINGS T 1/4"		4
	51	MK260E-BSLV	BY BASS SOLENOID VALVE		1
	50	M-MMV-6000	MEMBRAN VALVE		5
	49	MK260E-MBC2	MANIFOLD BLIND CAP2		1
	48	MK260E-MBC1	MANIFOLD BLIND CAP1		5
	47	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		2
	46	MK250E-DRM	DRAIN MANIFOLD		2
	45	M-SLV-6000-24	SOLENOID VALVE		1
	44	MK260E-DSTK	DISTRIBUTOR CLAMP		1
	43	MK240E-DST	DISTRIBUTOR		1
	42	M-EXV-5000	EXPANSION VALVE		1
	41	M-OSP-5000	OIL SEPERATOR		1
	40	M-DRI-6000	DRYER-DEHYDRATOR		1
	39	M-DIS-6000	DRIER SEAL		1
	38	M-DIE-6000	DRIER ELEMENT		1
	37	MK250E-RCV	LIQUID RECEIVER		1
	36	MK250E-SPR	SEPERATOR		1
	35	MK160E-RTA2	ROTOLOCK ADAPTOR2		4
	34	MK260E-BLT850	BOLT M8x50		14
	33	MK260E-WHR22	WASHER 22x8,2x2,4		14
	32	M-FOP-6000	FAN OVERLOAD PROTECTOR		3
	31	MK210E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		2
	30	SEE REF TABLE	COMPRESSOR		2
	29	M-DBV-6000	DRAIN BALL VALVE		12
	28	MK260E-EWF1	ELBOW FITTINGS1		13
	27	M-RTA-5000-T-2	ROTOLOCK VALVE "T" ADAPTOR FOR HEAT EXCHANGER		3
	26	MK260E-RTA4	ROTOLOCK ADAPTOR4		5
	25	M-RTA-5000-2	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		2
	24	MK260E-SVC	SOLENOID VALVE COIL		2
	23	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		5
	22	MK250E-CPG4	COUPLING CLAMP 4		2
	21	MK260E-BLV	BALL VALVE		1
	20	MK260E-CPG3-UL	COUPLING CLAMP 3		2
	19	MK250E-RTA5	ROTOLOCK VALVE ADAPTOR		1
	18	MK250E-CPG2	COUPLING CLAMP 2		12
	17	MK260E-RTA3	ROTOLOCK ADAPTOR3		1
	16	MK250E-CLLB	COLLECTOR BOTTOM		1
	15	MK250E-CLLT	COLLECTOR TOP		1
	14	MK260E-CPG1	COUPLING CLAMP 1		12
	13	MK260E-EXC	HEAT EXCHANGER		6
	12	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		6
	11	MK260E-DRS-NPT	DRAIN SLEEVE		1
	10	MK260E-BLT630	BOLT M6x30		58
	09	M-NUT-6000	CAGE NUT M6		58
	08	MK250E-CRP	CONDENSER REINFORCEMENT PLATE		2
	07	MK260E-PPRT	FAN PROTECTOR		1
	06	MK260E-BLT830	BOLT M8x30		12
	05	M-OSO-5000	OIL SEPARATOR ORING		1
	04	SEE REF TABLE	FAN MOTOR		3
	03	M-OSE-5000	OIL SEPARATOR ELEMENT		1
	02	MK250E-CON	CONDANSER		1
	01	MK250E-CAB	CABINET BASE		1

PART LIST

# 8.1 - ED & Spare Part List

## ODRD 5000



8.1 - ED & Spare Part List

**ODRD 5000**

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DECAL	CAPACITY	DRYER PART NUMBER	POWER RATINGS	COOLING	FAN MOTOR	COMPRESSOR	TRANSFORMER
ODRD-5000	5000 SCFM	ODRD-5000	400V/3Ph/50Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2400-460-3-60	MK260E-TRF
ODRD-5000	5000 SCFM	ODRD-5000	460V/3Ph/60Hz	AIR COOLED	M-FMT-6000-460-3-60	M-CMP-2400-460-3-60	M-TRF-1600
ODRD-5000	5000 SCFM	ODRD-5000	575V/3Ph/60Hz	AIR COOLED	M-FMT-6000-575-3-60	M-CMP-2400-575-3-60	M-TRF-6000-575-3-60

DWG SIZE	ITEM NO.	PART NO	SPARE PART CODE	REV	QTY
	108	MK260E-DRS-NPT	DRAIN SLEEVE		1
	107	MK260E-HPG	HIGH PRESSURE GAUGE		1
	106	MK260E-LPG	LOW PRESSURE GAUGE		1
	105	MK250E-RTA5	ROTOLOCK VALVE ADAPTOR		1
	104	MK260E-BSLV	BY BASS SOLENOID VALVE		1
	103	MK260E-SVC	SOLENOID VALVE COIL		1
	102	M-STU-6000	CABINET STUD AND NUT		34
	101	M-FAS-6000	CABINET FASTENER		34
	100	MK260E-CAT2-US	CABINET TOP2		1
	99	MK260E-CAT1-US	CABINET TOP1		2
	98	MK260E-CRS2-US	CABINET REAR SIDE BOTTOM2		3
	97	MK260E-CBR-US	CABINET BACK BOTTOM RIGHT		1
	96	MK260E-CNR	CABINET BACK TOP RIGHT		1
	95	MK260E-CBB-US	CABINET LEFT BOTTOM BACK		1
	94	MK260E-CLB-US	CABINET LEFT TOP BACK		1
	93	MK260E-CPS-US	CABINET POST SECONDARY SIDE		6
	92	MK260E-CSB2-US	CABINET SIDE BOTTOM2		1
	91	M-CHN-6000	CABINET HANDLE		15
	90	MK260E-CRS1-US	CABINET REAR SIDE BOTTOM1		2
	89	MK260E-CST-US	CABINET SIDE TOP		6
	88	MK260E-CGT-US	CABINET FRONT RIGHT TOP		1
	87	MK260E-CLT-US	CABINET FRONT LEFT TOP		1
	86	MK260E-CFB-US	CABINET FRONT BOTTOM		1
	85	MK260E-MSW	MAIN SWITCH		1
	84	MK260E-ESD3	ESD3 CONTROLLER		1
	83	MK260E-PCP-ESD3	PLASTIC CONTROL PANEL		1
	82	MK260E-CAL2-US	CABINET LEG2		1
	81	MK260E-CAL1-US	CABINET LEG1		3
	80	M-FHH-6000	HIGH VOLTAGE FUSE HOLDER		4
	79	M-PPR-6000	PHASE PROTECTION RELAY		1
	78	SEE REF TABLE	TRANSFORMER		1
	77	M-CNT-2400	COMPRESSOR CONTACTOR		2
	76	M-CNT-MP	FAN CONTACTOR		3
	75	M-PWC-3800	POWER CONNECTOR		4
	74	M-COP-2400	COMPRESSOR OVERLOAD PROTECTOR		2
	73	M-FOP-6000	FAN OVERLOAD PROTECTOR		3
	72	M-FHL-6000	LOW VOLTAGE FUSE HOLDER		1
	71	MK260E-GBV-1/4	BALL VALVE 1/4		1
	70	N/A	N/A		-
	69	M-FNS-0200	FAN ON/OFF SWITCH		1
	68	M-HPS-0200	HIGH PRESSURE SWITCH		1
	67	MK260E-LPS	LOW PRESSURE SWITCH		1
	66	MK260E-HNG	HINGE		3
	65	MK260E-DLK	DOOR LOCK		3
	64	MK260E-SCF	SWITCH CONNECTION FITTING		3
	63	M-OSO-5000	OIL SEPARATOR ORING		1
	62	M-OSE-6000	OIL SEPARATOR ELEMENT		1
	61	MK260E-ELB-US	ELECTRICAL BOX		1
	60	M-BYV-6000	BY PASS VALVE		1
	59	MK260E-GBV	BALL VALVE		3
	58	MK260E-FTS	FLAT FITTINGS		1
	57	M-SCF-6000	SENSOR HOLDER		1
	56	MK260E-MAS	MANSON 1/2"		6
	55	MK260E-CKV	CHECK VALVE		2
	54	MK260E-T14	ELBOW FITTINGS T 1/4"		4
	53	M-MMM-6000	MEMBRANE		5
	52	M-MMV-6000	MEMBRAN VALVE		5
	51	MK260E-MBC2	MANIFOLD BLIND CAP2		1
	50	MK260E-MBC1	MANIFOLD BLIND CAP1		5
	49	MK260E-MRS	MANIFOLD REINFORCEMENT SHEET METAL		2
	48	MK260E-DRM	DRAIN MANIFOLD		2
	47	M-SLV-6000-24	SOLENOID VALVE		1
	46	MK260E-DSTK	DISTRIBUTOR CLAMP		1
	45	MK260E-DST	DISTRIBUTOR		1
	44	MK260E-EXV	EXPANSION VALVE		1
	43	M-OSP-5000	OIL SEPARATOR		1
	42	M-DRI-6000	DRYER-DEHYDRATOR		1
	41	M-DIS-6000	DRIER SEAL		1
	40	M-DIE-6000	DRIER ELEMENT		1
	39	MK260E-RCV	LIQUID RECEIVER		2
	38	MK260E-SPR	SEPERATOR		1
	37	MK260E-RTA7	ROTOLOCK ADAPTOR7		1
	36	MK260E-BLT850	BOLT M8x50		16
	35	MK260E-WHR22	WASHER 22x8.2x2.4		16
	34	MK260E-RTA7-T	ROTOLOCK ADAPTOR7-T		1
	33	MK210E-CEC	COMPRESSOR ELECTRICAL BOX - COVER		2
	32	MK260E-CLP	COMPRESSOR LOWER PLATE		1
	31	SEE REF TABLE	COMPRESSOR		2
	30	M-DBV-6000	DRAIN BALL VALVE		14
	29	MK260E-EWF1	ELBOW FITTINGS1		15
	28	MK260E-RTA5-T	ROTOLOCK ADAPTOR5-T		5
	27	MK260E-RTA4	ROTOLOCK ADAPTOR4		7
	26	MK250E-ASF	ASTROFLEX		1
	25	MK260E-ASF	ASTROFLEX		1
	24	M-RTA-5000-1	ROTOLOCK VALVE ADAPTOR FOR HEAT EXCHANGER		9
	23	MK260E-CPC	COUPLING COVER		2
	22	MK260E-CPG4	COUPLING CLAMP 4		2
	21	MK260E-BLV	BALL VALVE		1
	20	MK260E-CPG3-UL	COUPLING CLAMP 3		2
	19	M-CPF-6000-90	1/4 90° ORIFICE CUPPER PIPE FITTING		6
	18	MK260E-CPG2	COUPLING CLAMP 2		14
	17	MK260E-RTA3	ROTOLOCK ADAPTOR3		3
	16	MK260E-CLB	COLLECTOR BOTTOM		1
	15	MK260E-CLT	COLLECTOR TOP		1
	14	MK260E-CPG1	COUPLING CLAMP 1		14
	13	MK260E-EXC	HEAT EXCHANGER		7
	12	M-CCP-6000	CONDUIT FOR CONTROL PANEL		8
	11	MK160E-RTA2	ROTOLOCK ADAPTOR2		6
	10	MK260E-CPS	CONDENSER LOWER PLATE SUPPORT		2
	09	MK260E-CSA	CONDENSER SUPPORT ADDITIONAL		2
	08	MK260E-BLT630	BOLT M6x30		70
	07	M-NUT-6000	CAGE NUT M6		70
	06	MK260E-CRP	CONDENSER REINFORCEMENT PLATE		2
	05	MK260E-FPRT	FAN PROTECTOR		1
	04	MK260E-BLT830	BOLT M8x30		24
	03	SEE REF TABLE	FAN MOTOR		6
	02	MK260E-CON	CONDANSER		1
	01	MK260E-CAB	CABINET BASE		1

PART LIST

## 9. COMPONENTS LOCATION

All main components located into dryer identified with labels as listed here under.

CAUTION: Due to manufacture design, some components out of the list are not installed into the dryer.

### Electrical components:

#### Accessories :

A01:	Control circuit transformer
A02:	Power circuit transformer
A10:	ON warning light
A11:	OFF warning light
A20:	Drain solenoid valve
A30:	Crankcase heater
A31:	Electrical resistor
A40:	Electrical capacity
EV3	Digital Controller (Digi-Pro)
A50-3:	Energy saving device 3 (ESD3)

#### Relays :

K01:	Compressor motor relay
K10:	Fan motor relay
K20:	Drain timer or Bekomat (optional)
K30:	Temperature Controller

#### Switches :

S01:	Main switch
S02:	Start push button
S03:	Stop push button
S10:	Fan pressure control
S11:	High-low pressure security control
S12:	High pressure security control
S13:	Low pressure security control
S20:	Refrigerant temperature control
S21:	Air temperature control

#### Motors :

M01:	Refrigerant compressor motor
M10:	Fan motor

#### Thermal protections :

P01:	Refrigerant compressor thermal overload
P10:	Fan motor thermal overload

#### Fuses protections :

See complete identification into electrical sketch included in dryer

F--:	Transformer protection
F--:	Fan protection
F--:	Compressor relay protection
F--:	Transformer protection
F--:	Drain protection
F--:	Fan relay protection

#### Refrigerant components:

G01:	Liquid receiver
G02:	Refrigerant drier
G03:	Expansion valve
G04:	Liquid separator
G05:	Hot gas bypass valve
G06:	Refrigerant solenoid valve
G10:	Water cooled condenser
G11:	Water control valve
G20:	Refrigerant evaporating pressure gauge
G21:	Refrigerant evaporating temperature gauge

#### Compressed air components :

H01:	Air inlet prefilter
H11:	Drain filter
H12:	Pneumatic drain valve

#### Terminal boxes:

B01:	Main terminal box
B11:	Refrigerant unit terminal box
B12:	Free of potential terminal box

Problem	Possible Cause	Repair	Comments	
Dryer is switched on, indicator light is lit but the refrigerant compressor does not turn on.	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 highpressure protection has tripped	The refrigerant safety high pressure switch has tripped.	In case of water cooled condensers, check the water control valve	The dryer is protected against excessively high refrigerant pressure. If the condenser efficiency has reduced, the switch will trip. Manually reset the switch.
		Excessive ambient temperature		
Dryer is switched on, 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 incorrect adjustment of hot gas bypass valve or shortage of refrigerant	Compressor is protected against overly high temperatures of the crankcase by a thermal switch.	
	Excessive compressed air inlet temperature.	Be sure that dryer is working in temperatures lower than design conditions.	The dryer is designed for working in 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.	
	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 down stream. 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 diagrams in 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 is switched on 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 least 2 hours is respected	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	Compressed Air 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.
	Drain system is clogged or inoperative.	Restore a free flow of water condensate. Check water evacuation.	Drain system is timed solenoid valve, pneumatically assisted which has to be adjusted in accordance with values listed in this 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.
	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 carry over downstream. Check the rated flow of the air compressor.
	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 to work for 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 unit 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 should be done by a qualified refrigeration engineer. This is a very sensitive device and incorrect settings may create other failures.
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,	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. This is to be done by a qualified refrigerant technician.	
The unit will not run or cycles off and on.	Clogged heat exchanger	Clean heat exchanger with 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.
	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.
	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.



Problem	Possible Cause	Repair	Comments
The unit will not run or cycles off and on.	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. 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.
Error 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.
Drain Failure	Back pressure or reduction of drain port.	Back First of all replace the drain / drains. Open drain to atmosphere (no back pressure) - if hose / pipe is used to carry the drain somewhere else; keep or enlarge the diameter.	Max drain hose length after the dryer must not exceed 10 meters.
			Max drain hose height from the dryer must not exceed 3 meters.
			The drain port size should not be reduced.
			There should not be any fitting that may cause pressure drop such as valves, elbow, tees, etc. on the drain connection.
			Drain should be at atmospheric pressure at all times. Any back pressure will result in failure and malfunction.

## Warranty Statement for Refrigerated Air Dryers

Used under the conditions recommended by the manufacturer, Ozen Air Technology Dryers are warranted to be free from defects in material and workmanship for a period of 24 months from startup date, which should not exceed 30 days from the factory ship date, provided that Ozen is furnished the startup form. The heat exchanger will be warranted for 5 years. This warranty is limited to the replacement of the heat exchangers, FOB Factory, and subject to the same restrictions as outlined below concerning misuse, abuse or accident.

All electrical components such as fan motor, compressors and electrical parts such as timer drain etc. in the product have a limited warranty for 3 months. It is always possible to send the failed electrical and electronic parts back to Ozen for detailed inspection and a report. If the inspection result of Ozen Air Tech or the manufacturer of the equipment shows that the failure is due to a production fault, then the parts will be considered under warranty.

This warranty will apply to equipment installed, operated and maintained in accordance with the procedures and recommendations as outlined in the owner's manual published by Ozen during the life of this warranty. Ozen reserves the right to ask for the photos of the failed part or the part itself delivered to its warehouse. After inspection, if the Ozen warranty department examination of the photo or returned part concludes that such defect has occurred in normal service and was not due to apparent misuse, abuse or accident, Ozen will repair or replace, at its sole discretion, the defective part free of charge and deliver it FOB from its warehouse.

This warranty is not transferable. Any warranty service performed in the field must be authorized by Ozen prior to service. Unauthorized service voids the warranty and any resulting charges will not be paid for by Ozen.

Ozen makes no other warranties or guarantees, expressed or implied. Ozen assumes no liability for indirect or consequential damages.