

Air Conditioner

Commercial Split Type



Condensing Unit
R410A
7.5-10-15-20 TON

RESOLUTE

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Product

Introduction

At Adina Air Conditioning, we are proud to present our new line of air conditioners for commercial applications.

Designed to meet the most demanding requirements in the industry, this line of split-type systems offers cooling capacities of 7.5, 10, 15, and 20 tons, ensuring superior performance and unmatched energy efficiency.

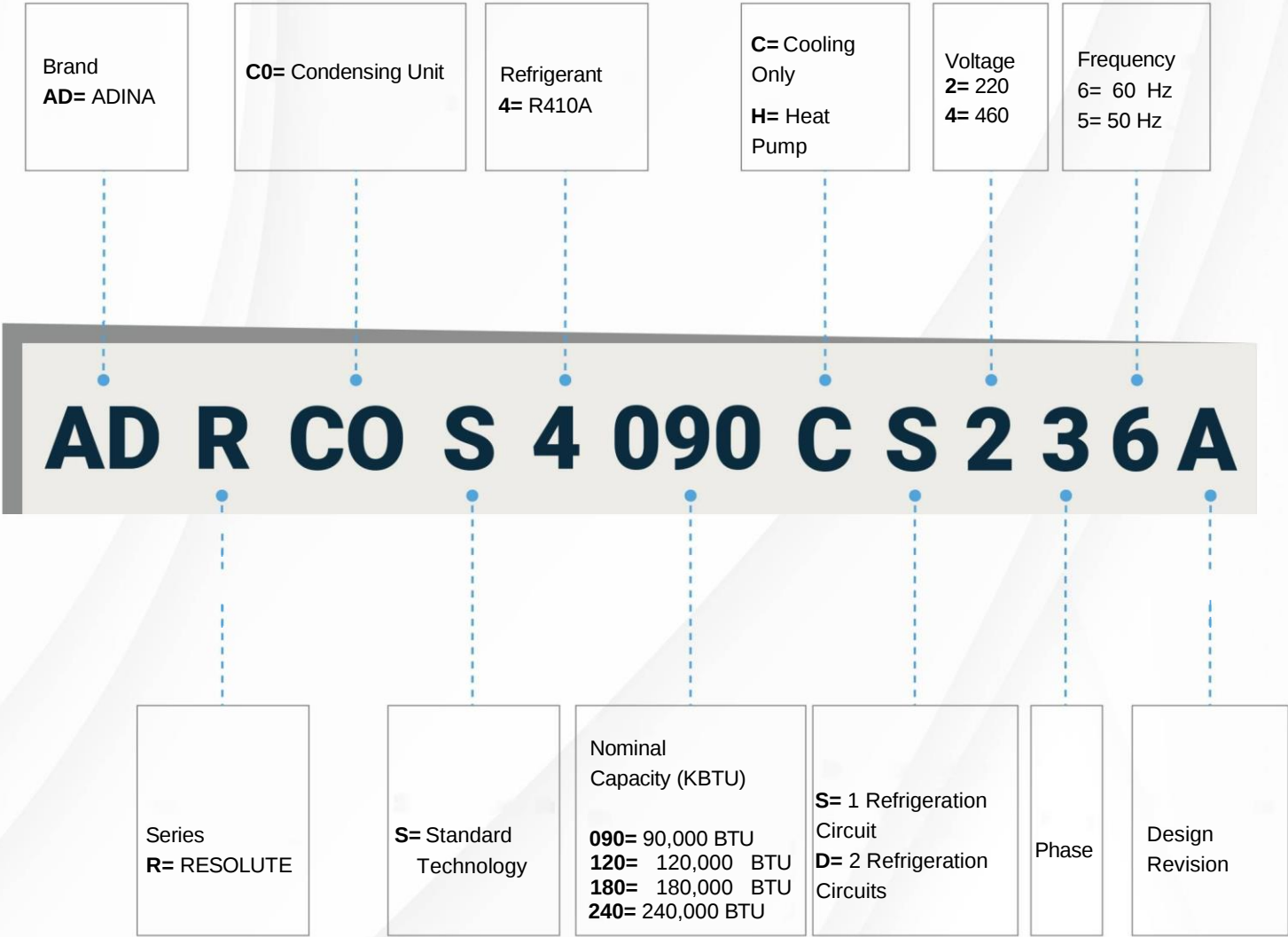
Adina Air Conditioning's Resolute series stands out for its robustness and reliability—essential features for commercial environments that require high-capacity climate control solutions. These split-type systems combine installation flexibility and simplified maintenance, allowing for optimal adaptation to various architectural configurations and operational needs.

At Adina Air Conditioning, our mission is to continue innovating and developing products that keep us at the forefront of the HVAC industry. The Resolute series is yet another testament to our commitment to excellence and our dedication to offering solutions that not only meet but exceed our customers' expectations.

Currently, Adina Air Conditioning is marketed throughout Latin America, strengthening our presence and bolstering our reputation as leaders in the air conditioning market. The Resolute series is not just a new addition to our portfolio but a tangible proof of our ability to innovate and adapt to the evolving needs of the market.

Discover how the Resolute series from Adina Air Conditioning can transform your commercial space, offering unparalleled comfort and efficiency. Welcome to a new era of climate control with Adina Air Conditioning.

Nomenclature



Features

- Condenser unit constructed with a metal sheet framework, stainless steel mesh to protect the coil, dark gray spray coating, and galvanized steel base.
- Upper diffuser for enhanced discharge airflow performance.
- Copper heat exchanger with hydrophilic aluminum fins treated with Gold Fin, resistant to corrosion and saline environments.
- Scroll-type compressor.
- Fan motor.
- Cooling capacity of 7.5, 10, 15, and 20 refrigeration tons.
- R410a refrigerant, equipped with high and low pressure contactor and switch.



RESOLUTE

Components

Copper coil with aluminum fins and
GOLD Fin protection

Air diffuser

Metal blade

High-efficiency fan motor

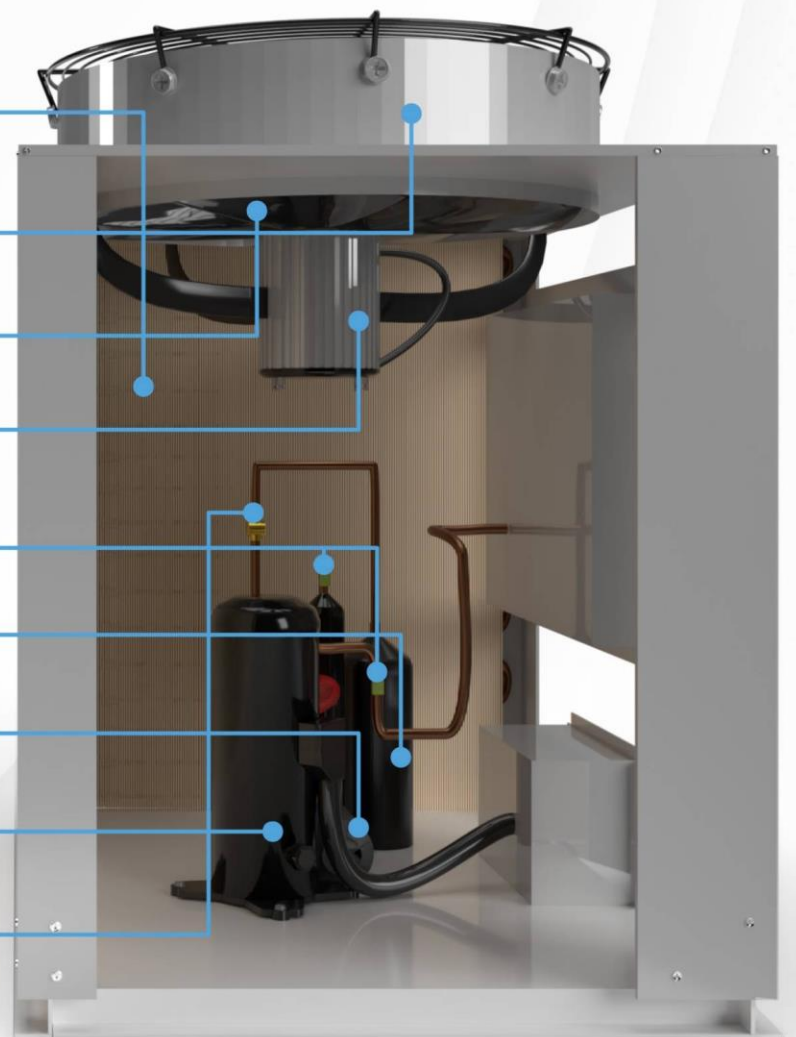
High and low-pressure switches

Suction accumulator

Liquid line separator filter

High-efficiency scroll compressor

Refrigerant liquid sight glass

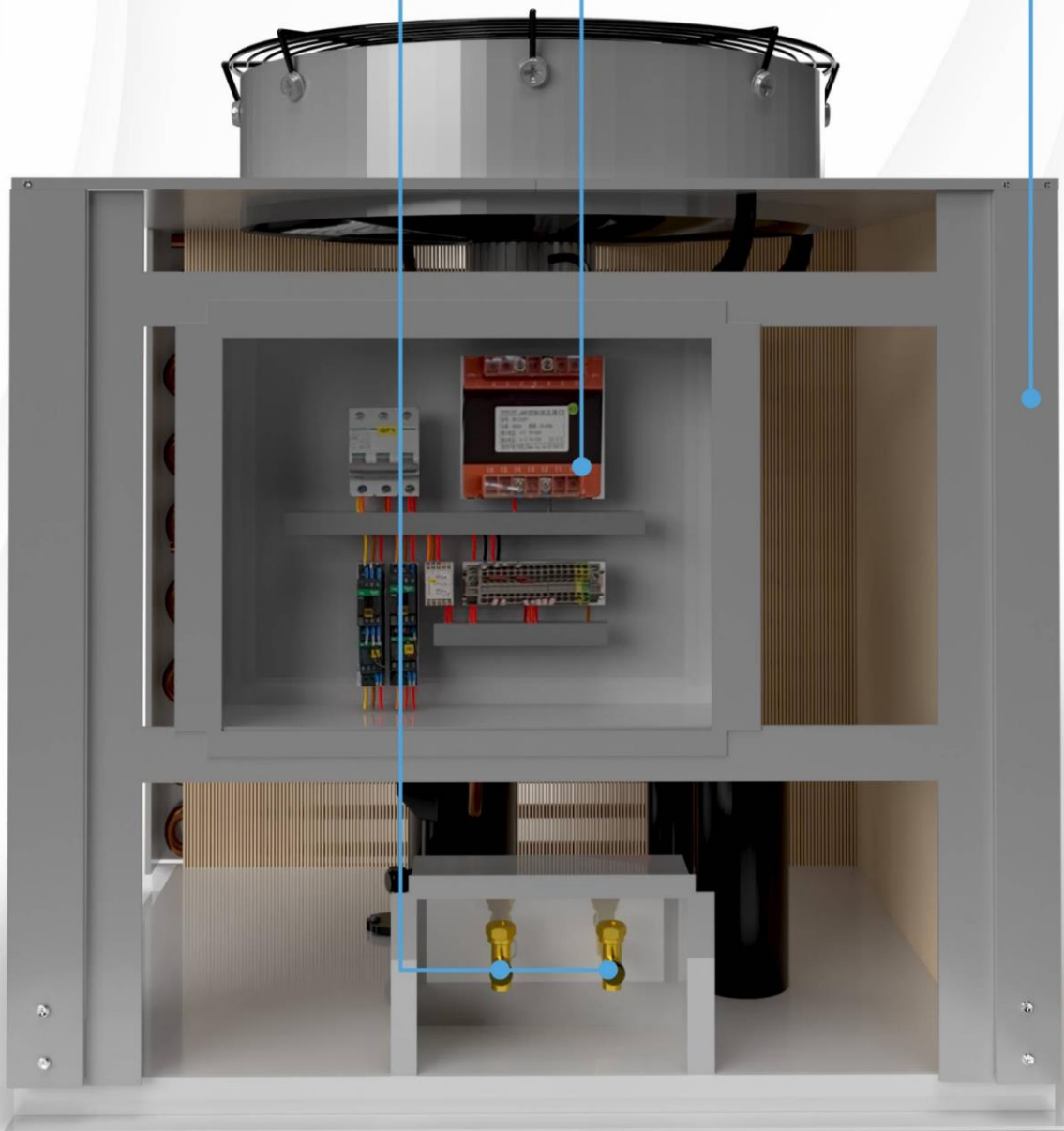


Components

Galvanized Steel Panel

Electrical Control and Power Panel

Service Ball Valves



Specifications

MODEL	ADRCOS4090CS236A	ADRCOS4090CS436A	ADRCOS4120CS236A	ADRCOS4120CS436A	ADRCOS4180CD236A	ADRCOS4180CD436A	ADRCOS4240CD236A	ADRCOS4240CD436A
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Nominal Capacity

Nominal Cooling (Tons)	7,5	7,5	10	10	15	15	20	20
Power Input (H.P.)	10	10	15	15	20	20	30	30
Decibels (dB(A))	68	68	70	70	72	72	70	70

Compressor

Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity	1	1	1	1	2	2	2	2
Nominal Capacity (Tons)	System #1	7,5	7,5	10	10	7,5	7,5	10
	System #2	-	-	-	-	7,5	7,5	10
RLA (A) ea	27,4	13,6	42,4	19,6	27,4	13,6	42,4	19,6
LRA (A) ea	168	87	240	106	168	87	240	106

Condenser Fan Motor

Number of Motors	1	1	1	1	1	1	2	2
Horsepower (H.P.)	1	1	1	1	2	2	1	1
FLA (A) ea	3,4	2,6	3,4	2,6	6,4	3,7	3,4	2,6

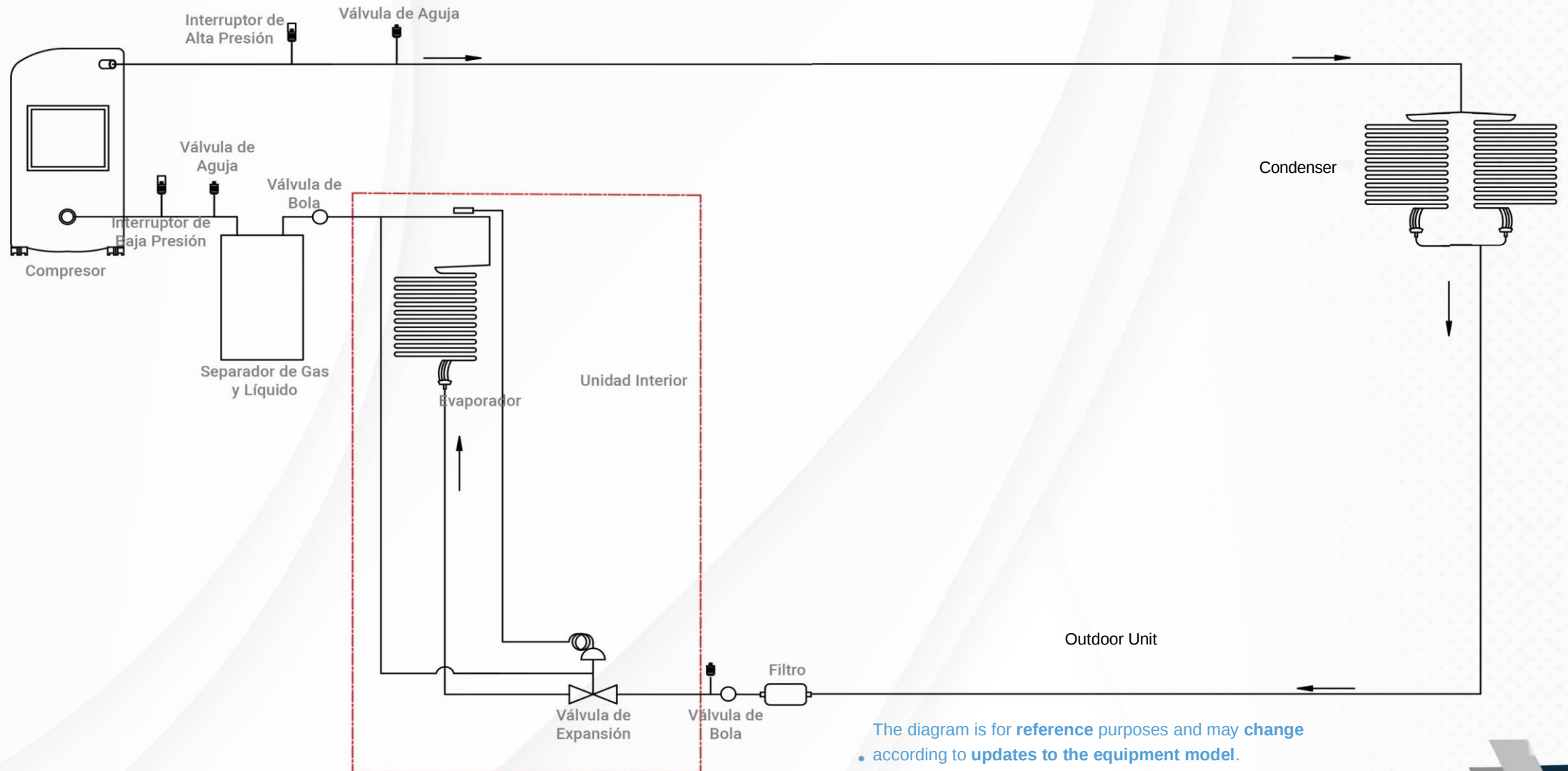
Refrigeration System

Suction Valve Connection Size (O.D.)	System #1	7/8"	7/8"	1-1/8 "	1-1/8"	7/8"	7/8"	1-1/8"	1-1/8"
	System #2	-	-	-	-	7/8 "	7/8 "	1-1/8"	1-1/8"
Liquid Valve Connection Size (O.D.)	System #1	1/2"	1/2"	5/8 "	5/8 "	1/2"	1/2"	5/8 "	5/8 "
	System #2	-	-	-	-	1/2"	1/2"	5/8 "	5/8 "
Valve Type [®]		Válvula de Bola	Válvula de Bola	Válvula de Bola	Válvula de Bola	Válvula de Bola	Válvula de Bola	Válvula de Bola	Válvula de Bola
Refrigerant Charge (kg) - Total R410		5	5	6	6	10	10	12	12

Electrical Data

AC Voltage	230	460	230	460	230	460	230	460
Hz /Fase	60HZ/3	60HZ/3	60HZ/3	60HZ/3	60HZ/3	60HZ/3	60HZ/3	60HZ/3
Maximum Overcurrent Protection	63	40	125	50	125	63	200	125
Min./Max. Voltage	209/230	437/500	209/230	437/500	209/230	437/500	209/230	437/500
Electrical Conduit Size	q>30	<p30	<p30	<p30	<p30	<p30	<p50	<p50
Net Weight (Kg)	180	180	270	270	320	320	500	500
Gross Weight (Kg)	195	195	290	290	340	340	530	530

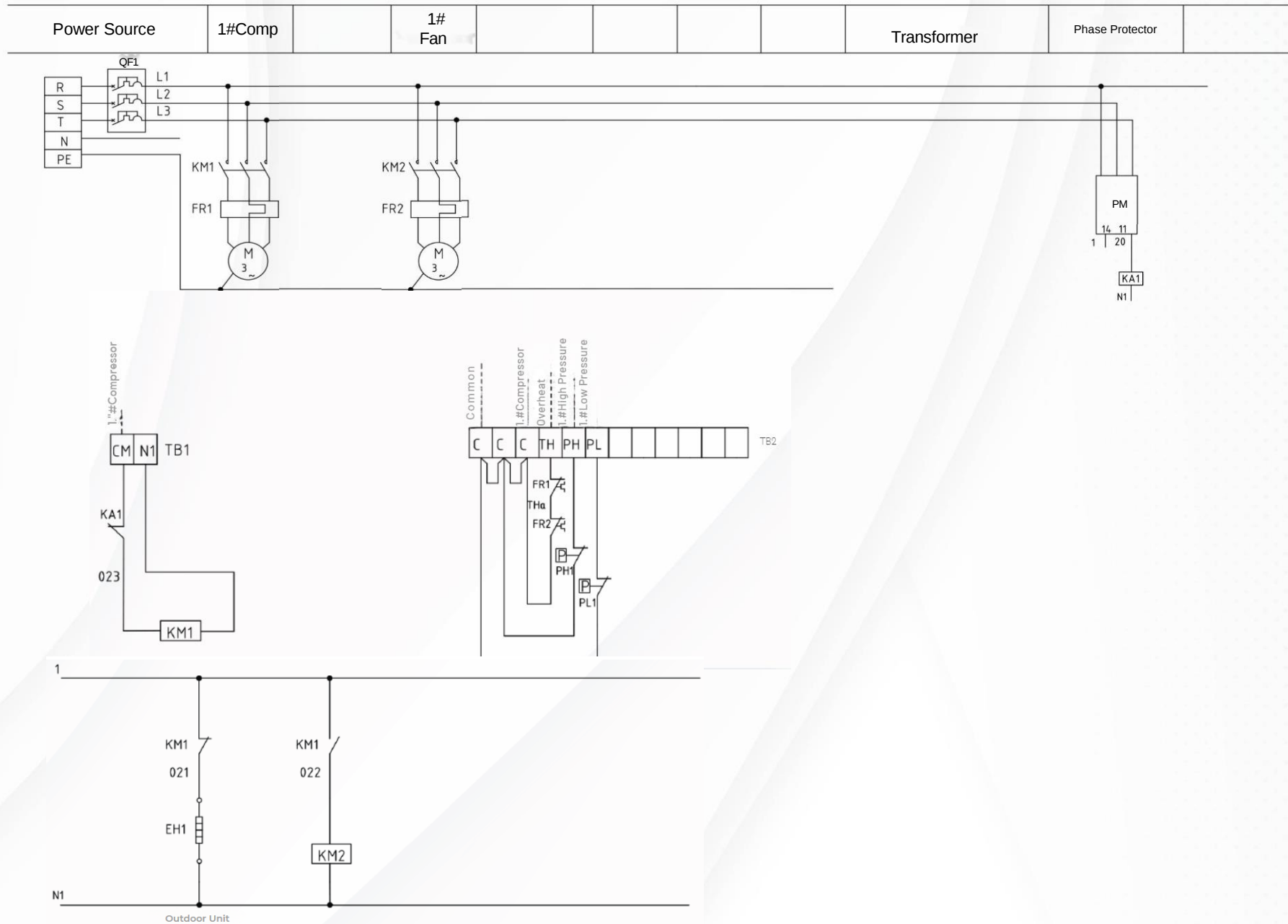
Mechanical Diagram



Electrical

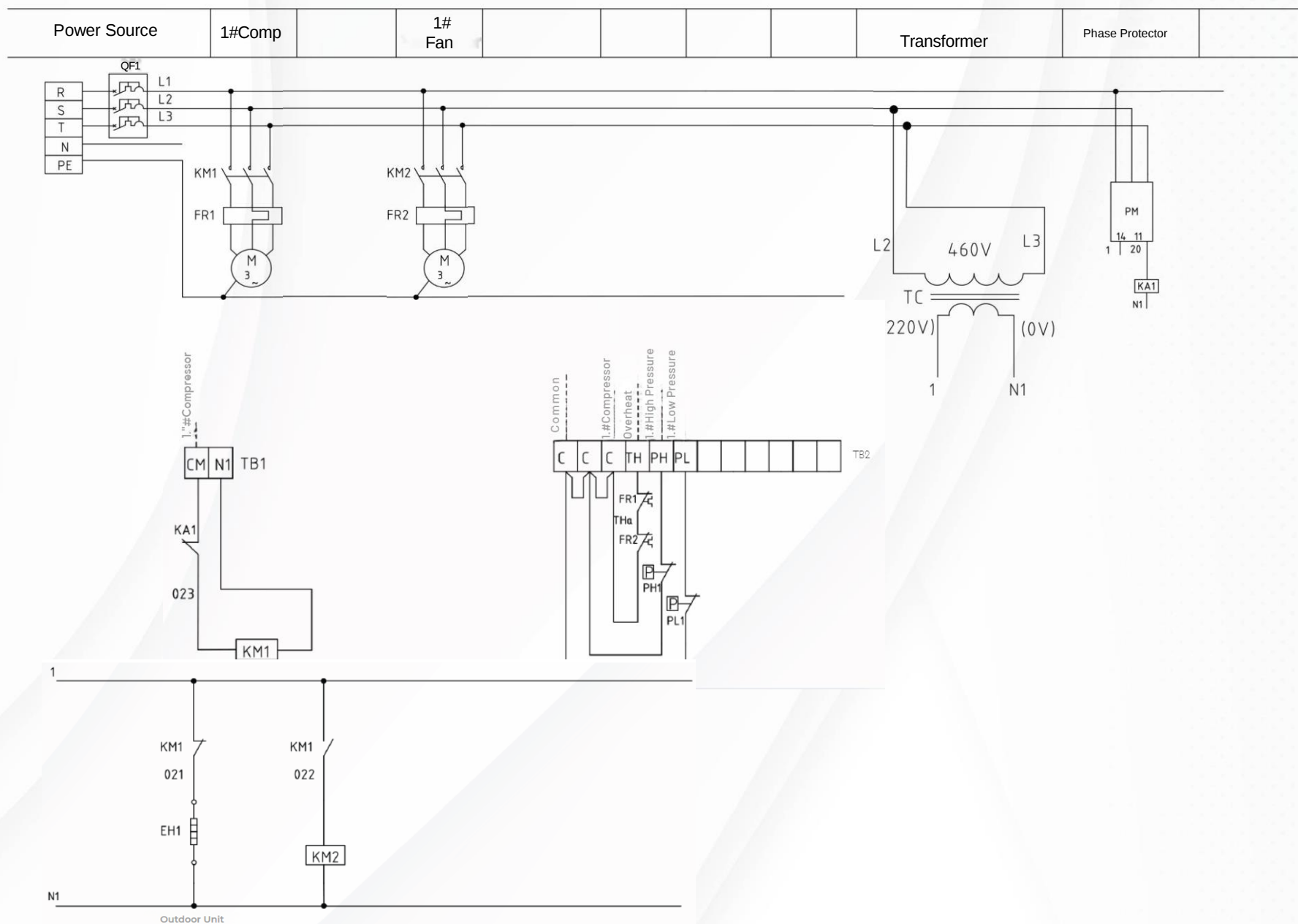
Diagram

Applies to models:
ADRCOS4090CS236A



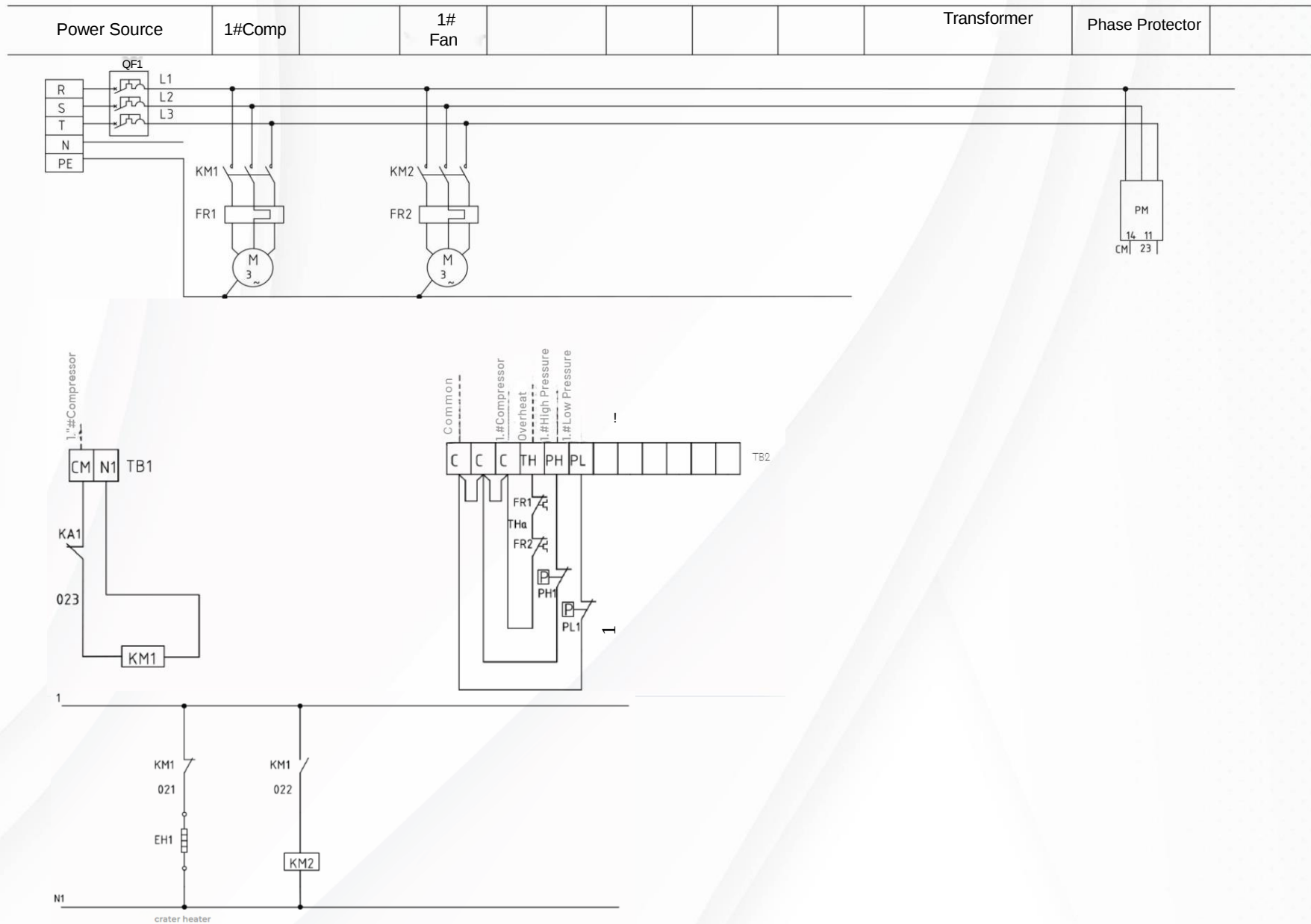
Electrical Diagram

Applies to models:
ADRCOS4090CS236A



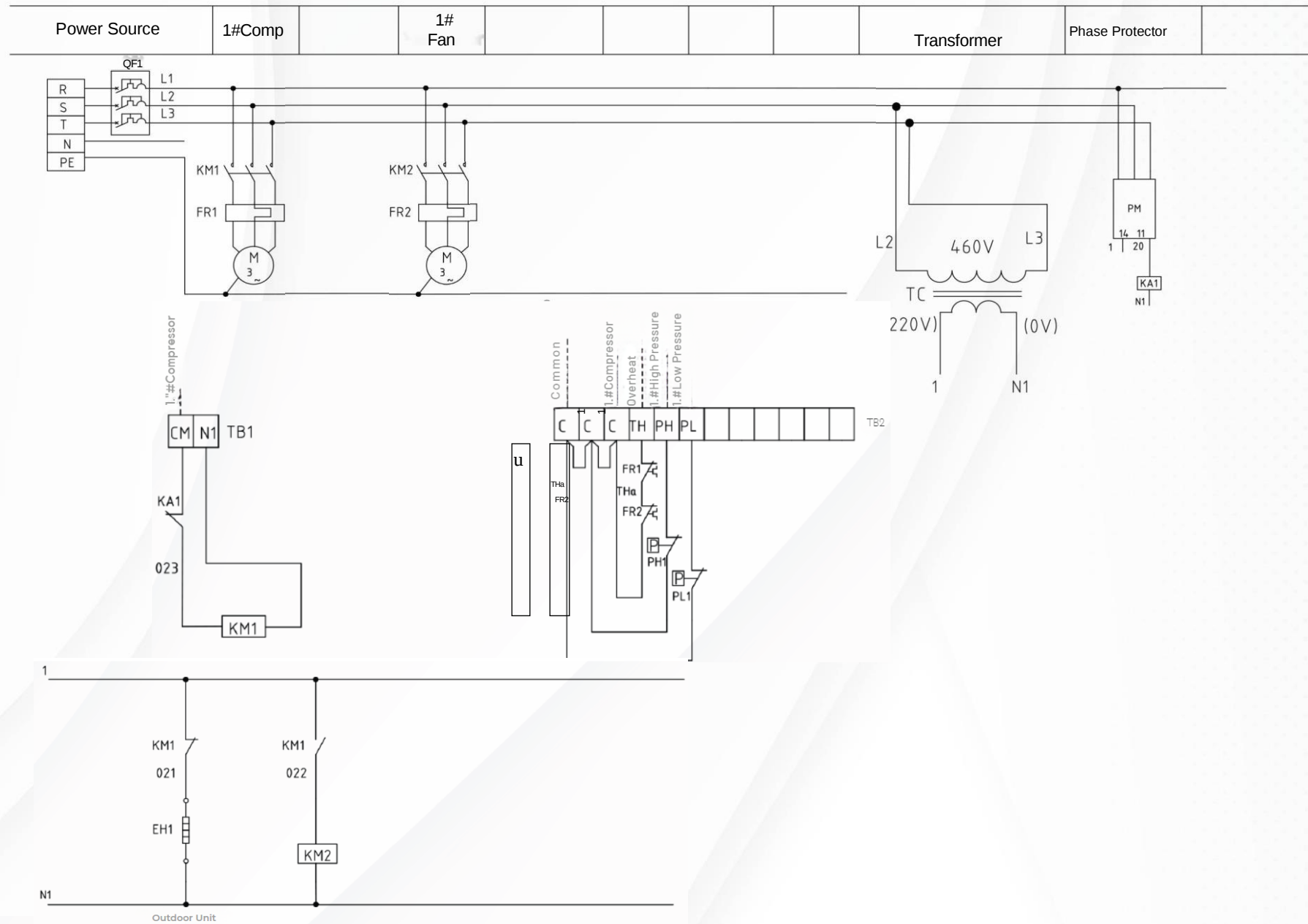
Electrical Diagram

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ADRCOS4090CS236A



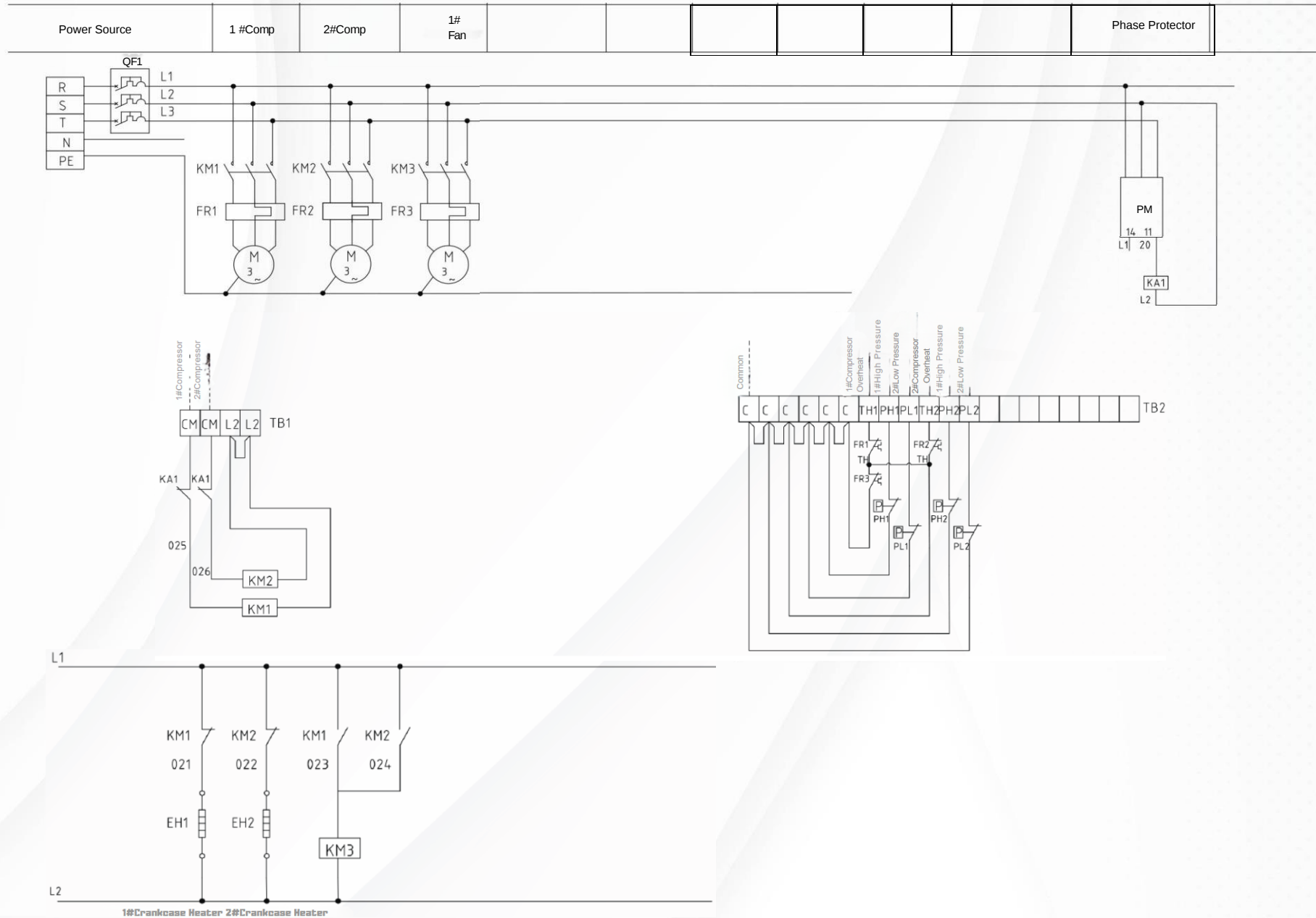
Electrical Diagram

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ADRCOS4090CS236A



Electrical Diagram

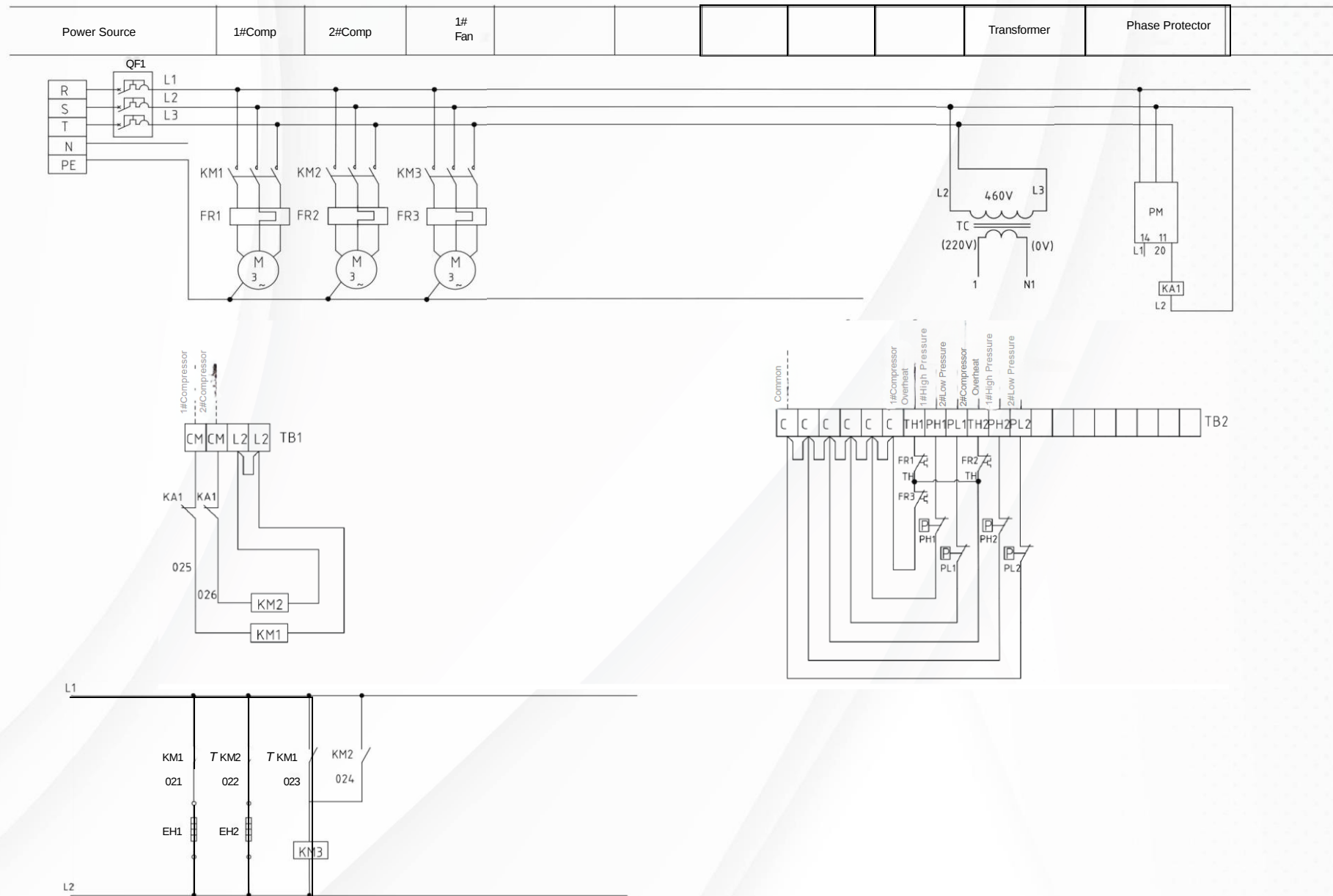
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Electrical

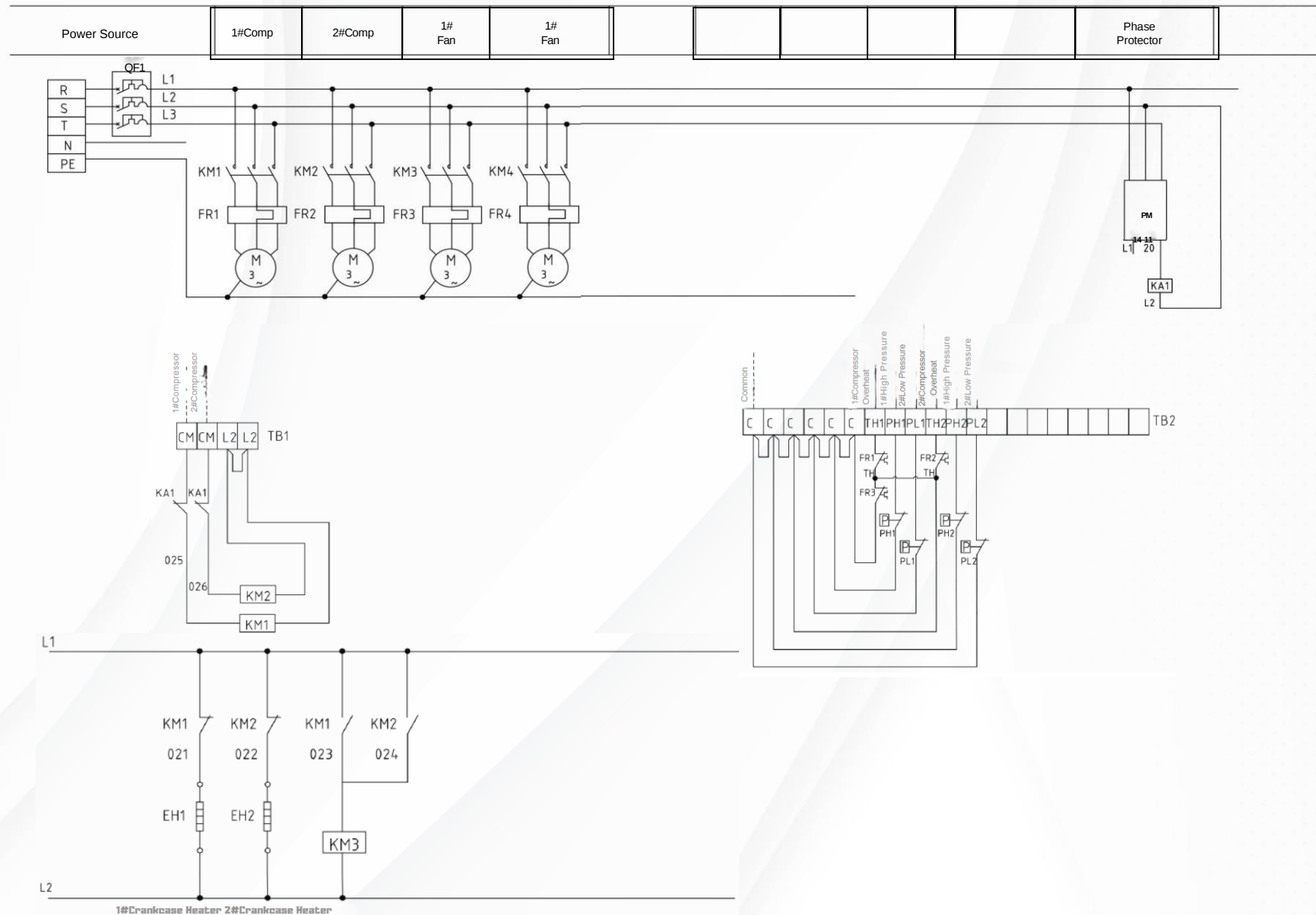
Diagram

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Electrical Diagram

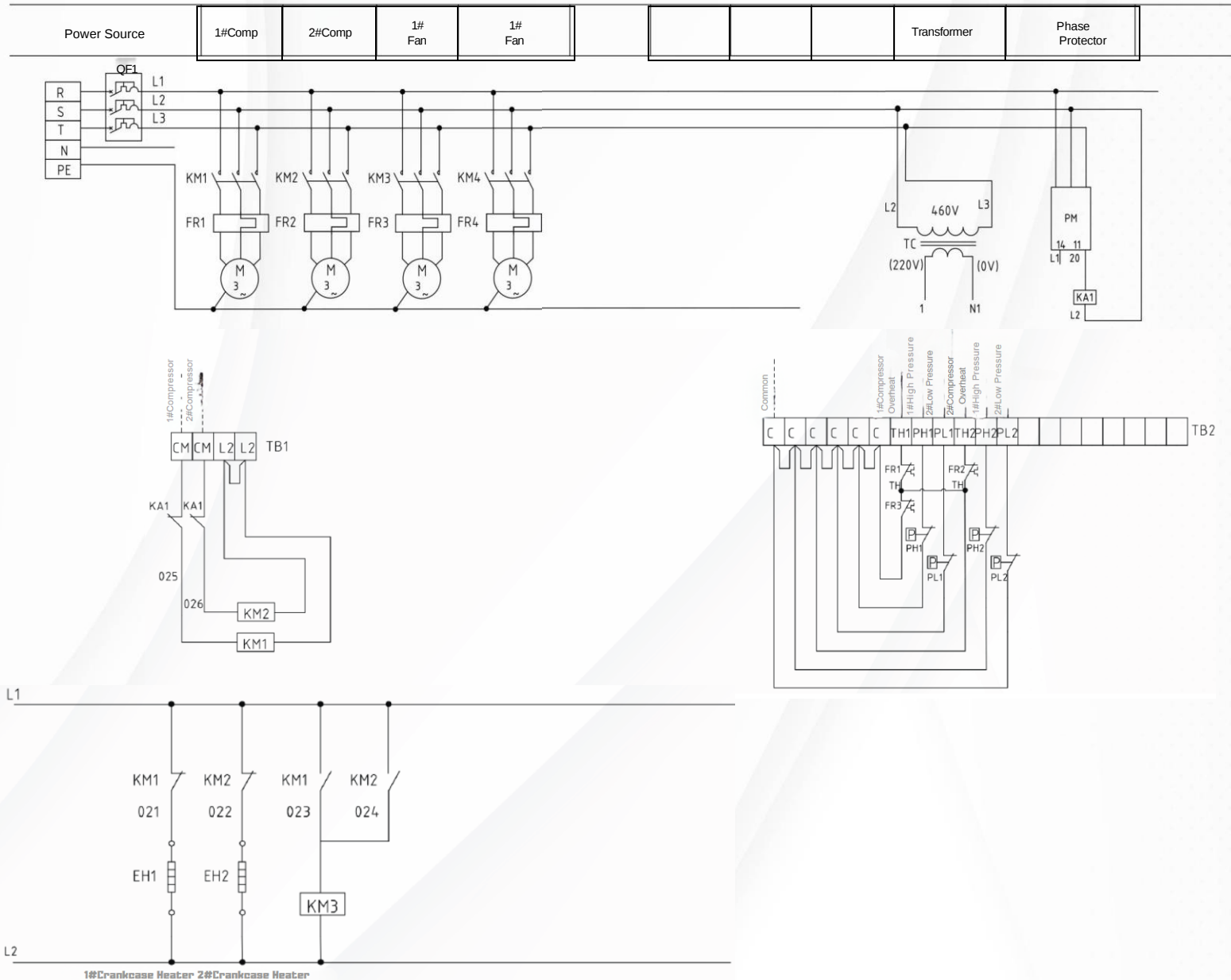
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Electrical

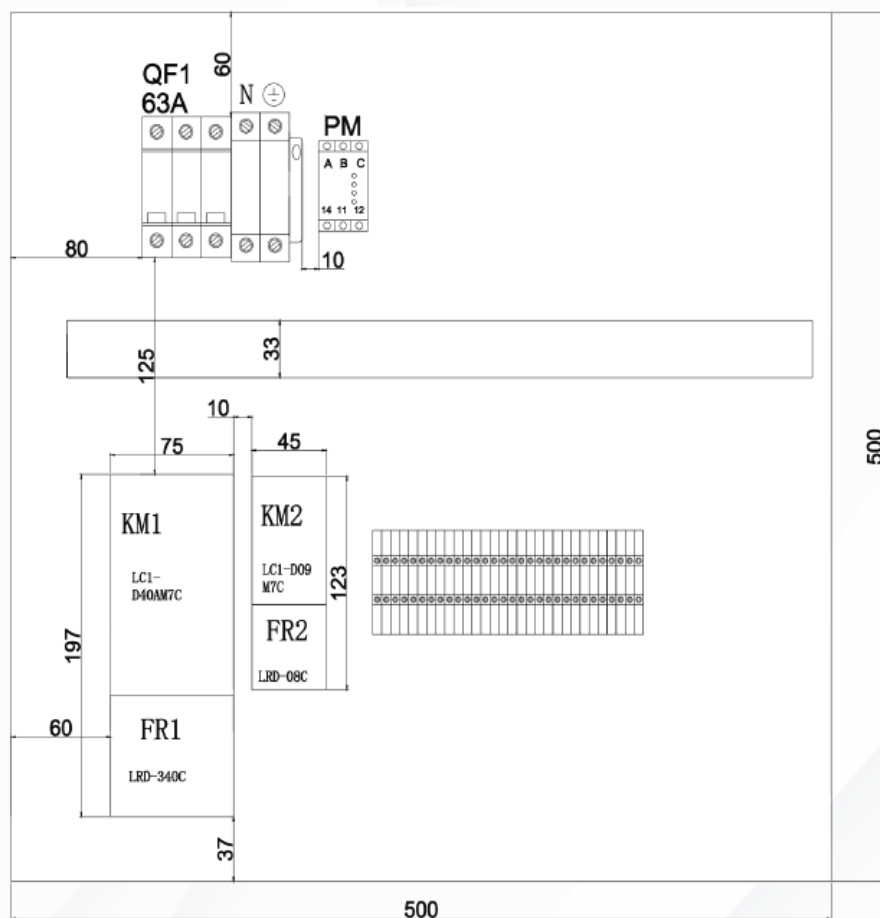
Diagram

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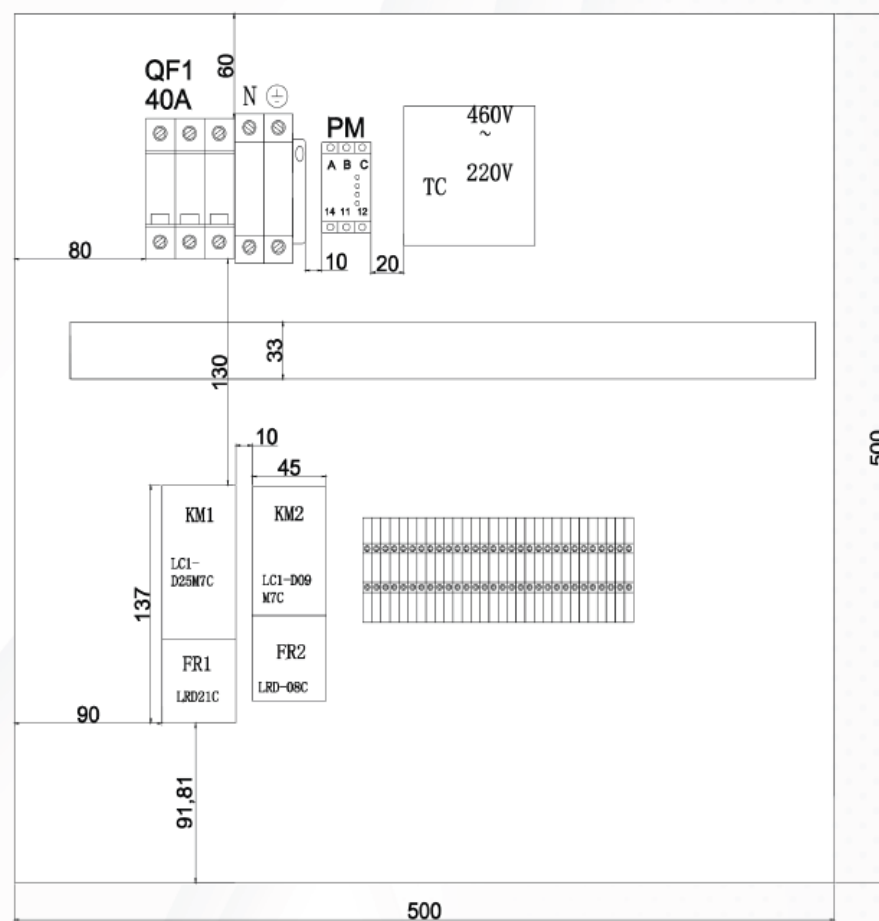


Layout

Electrical Components



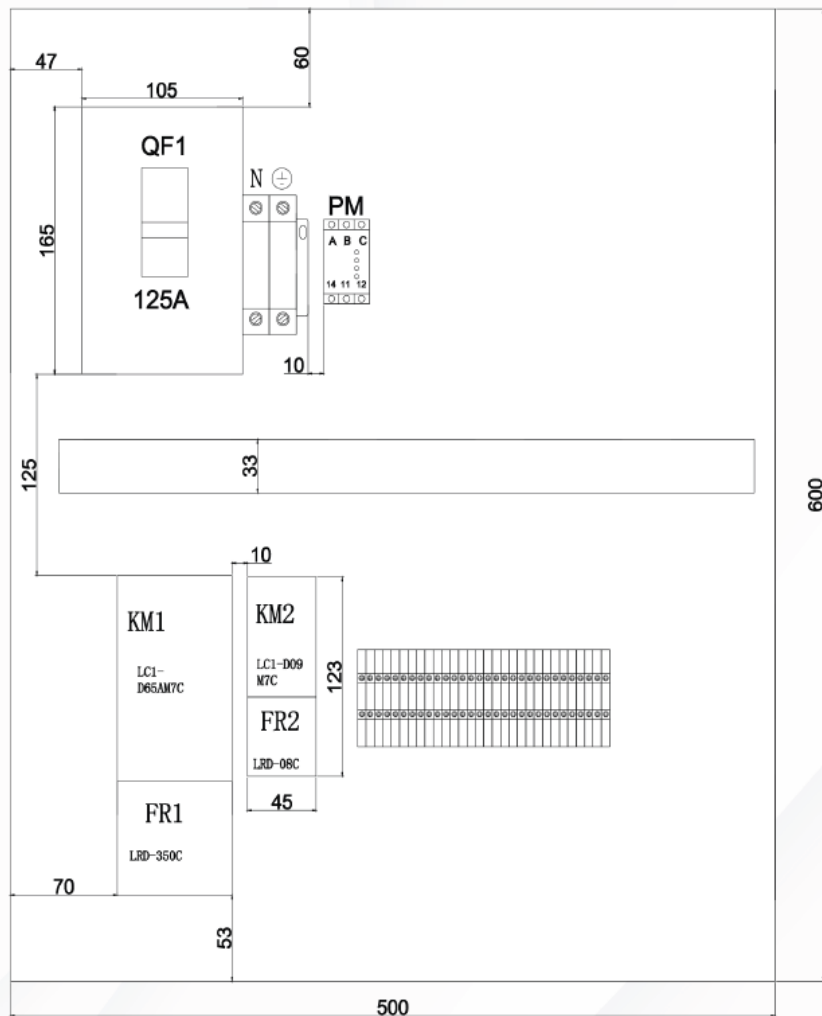
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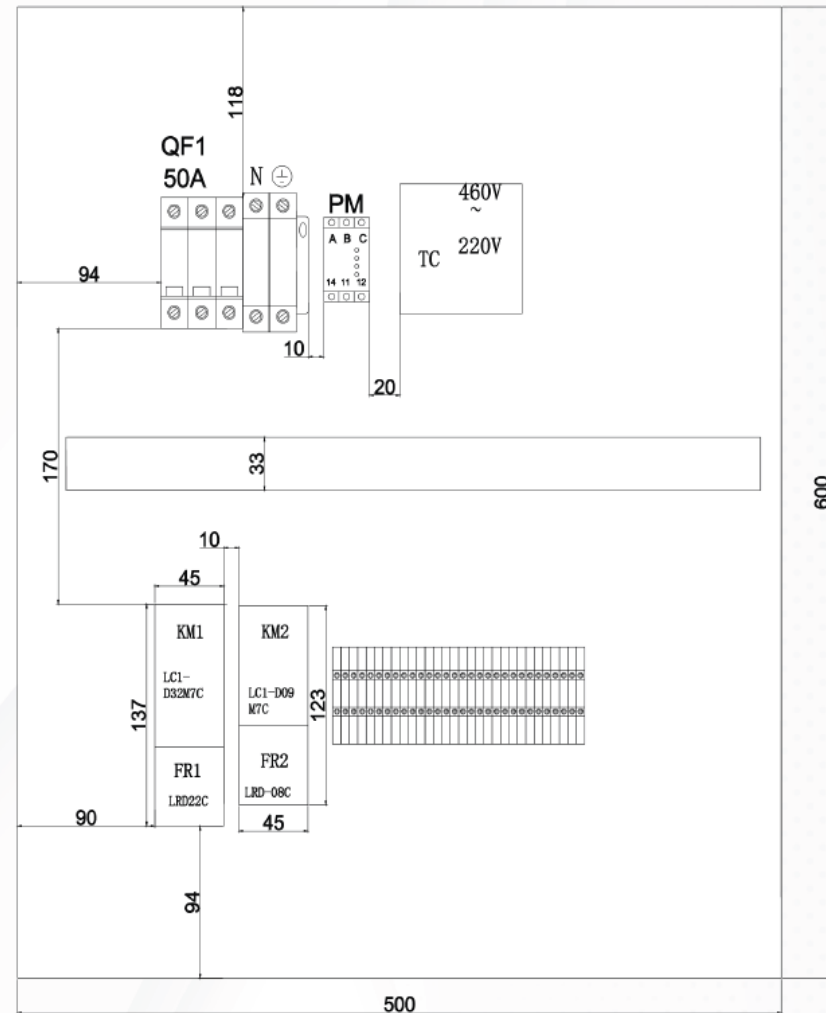
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Layout

Electrical Components



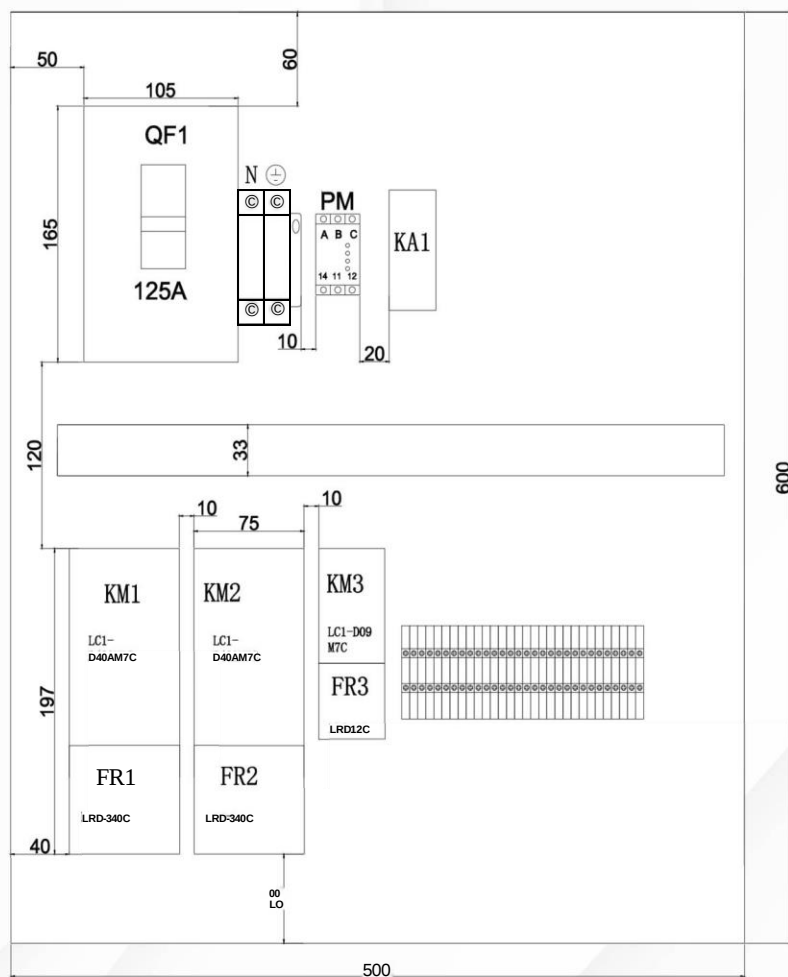
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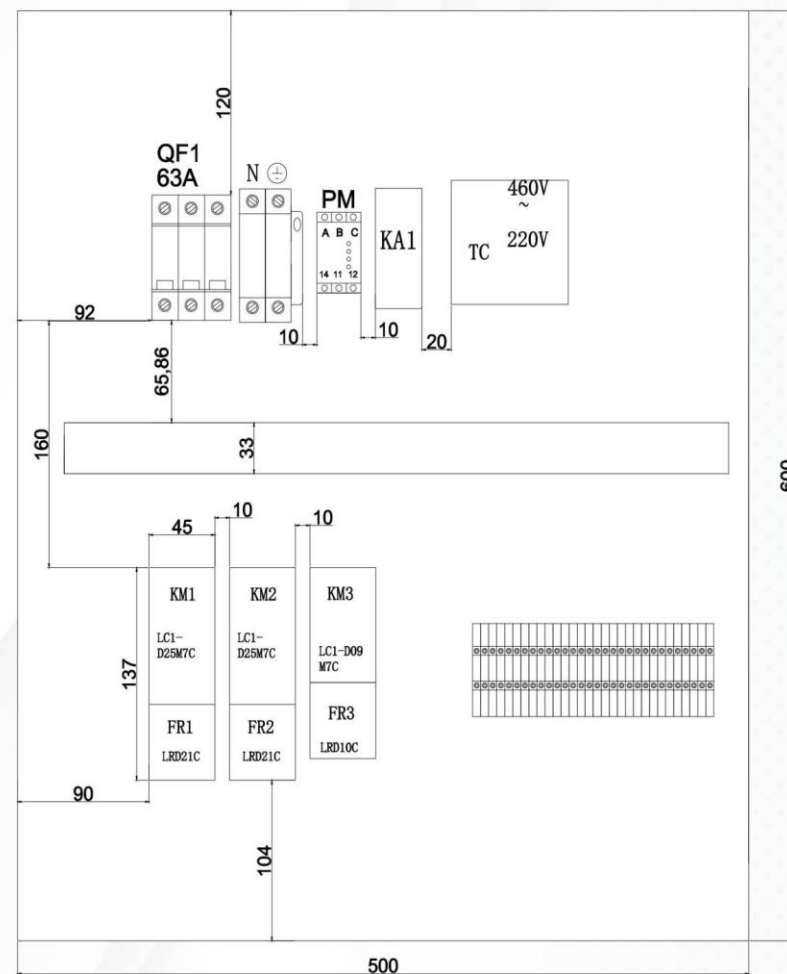
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Layout

Electrical Components



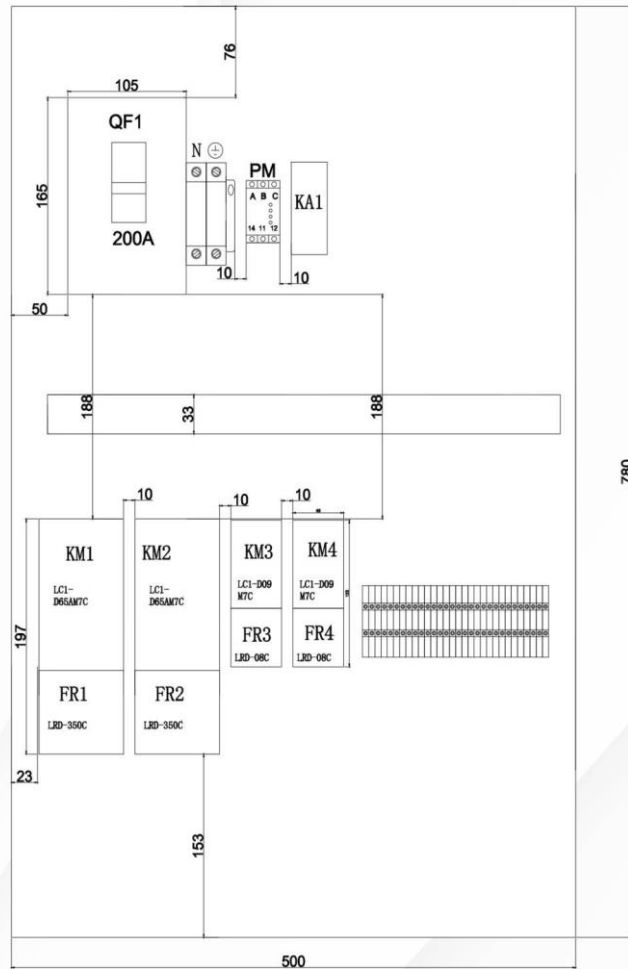
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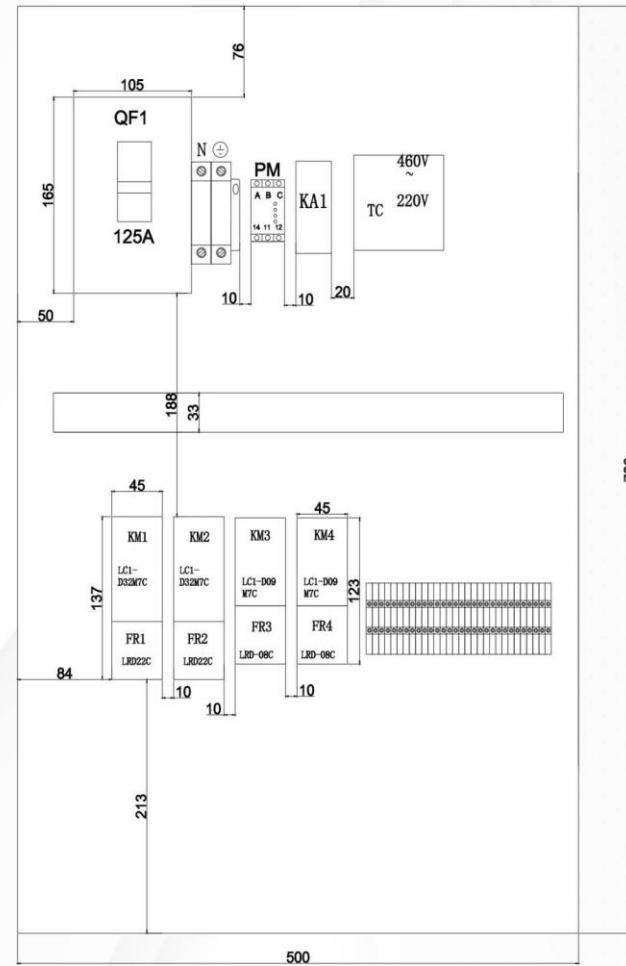
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Layout

Electrical Components



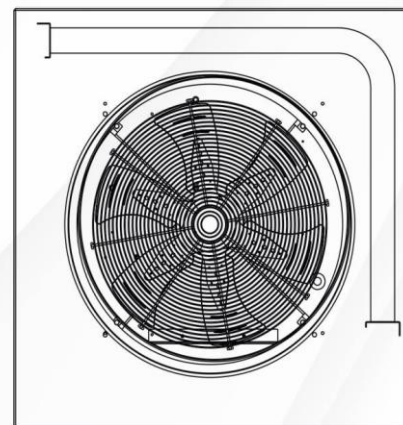
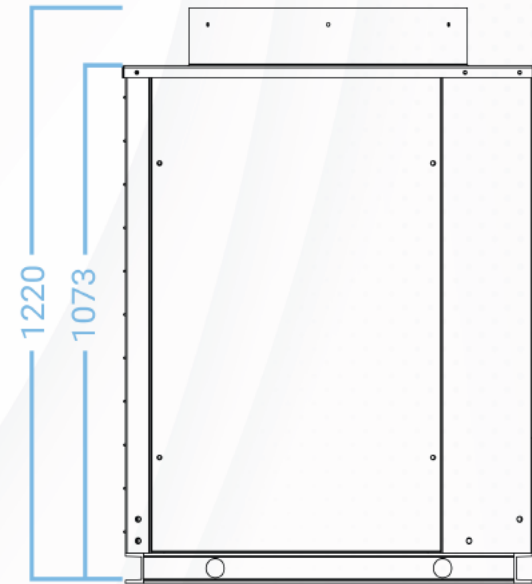
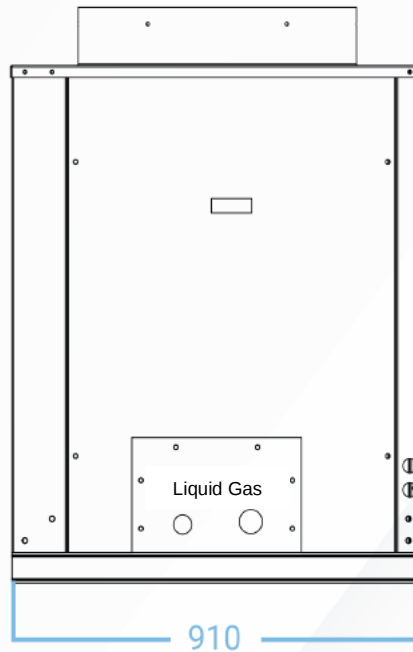
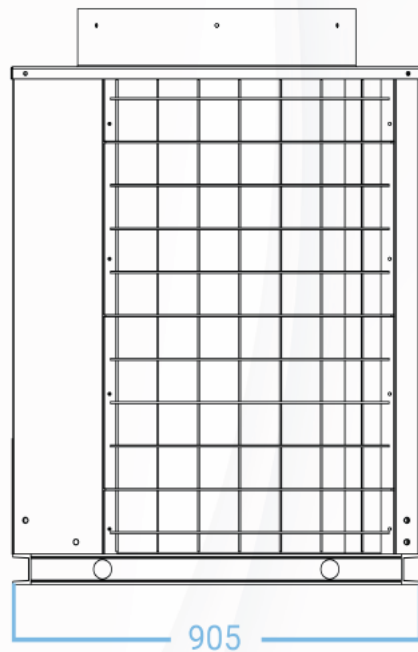
ADRCOS4240CD236A



ADRCOS4240CD436A

Layout

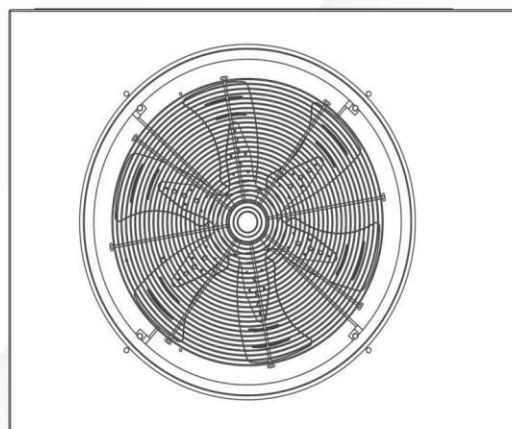
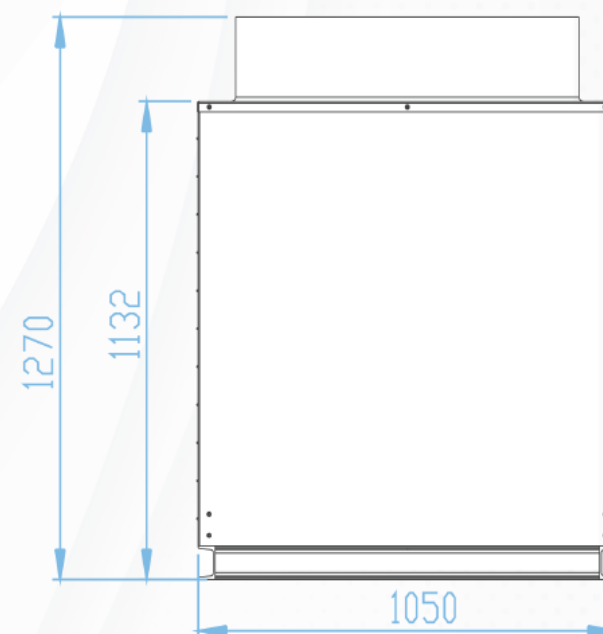
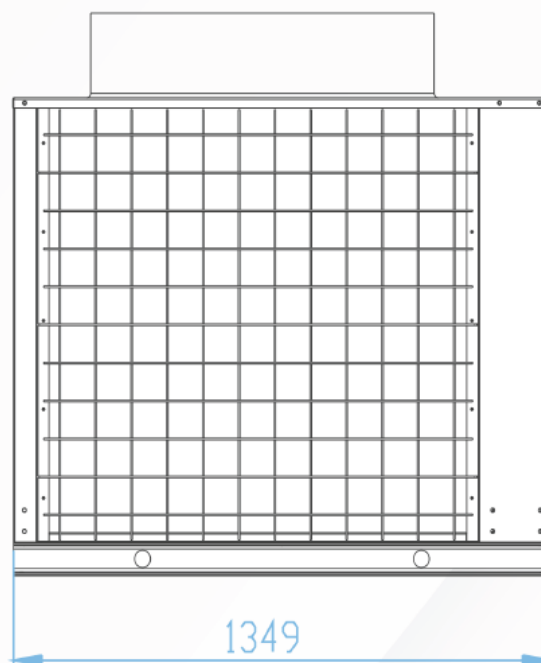
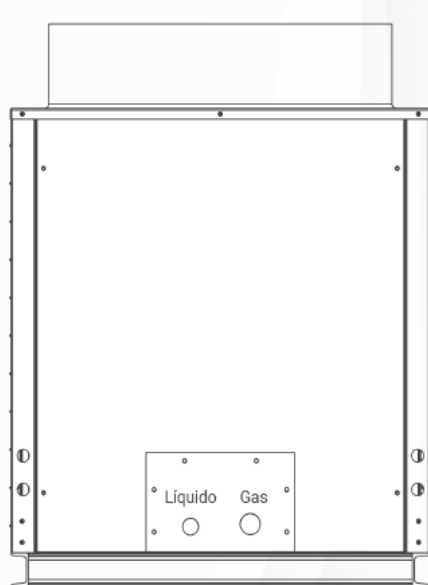
Electrical Components



- The measurements presented are in millimeters.

Dimensiones

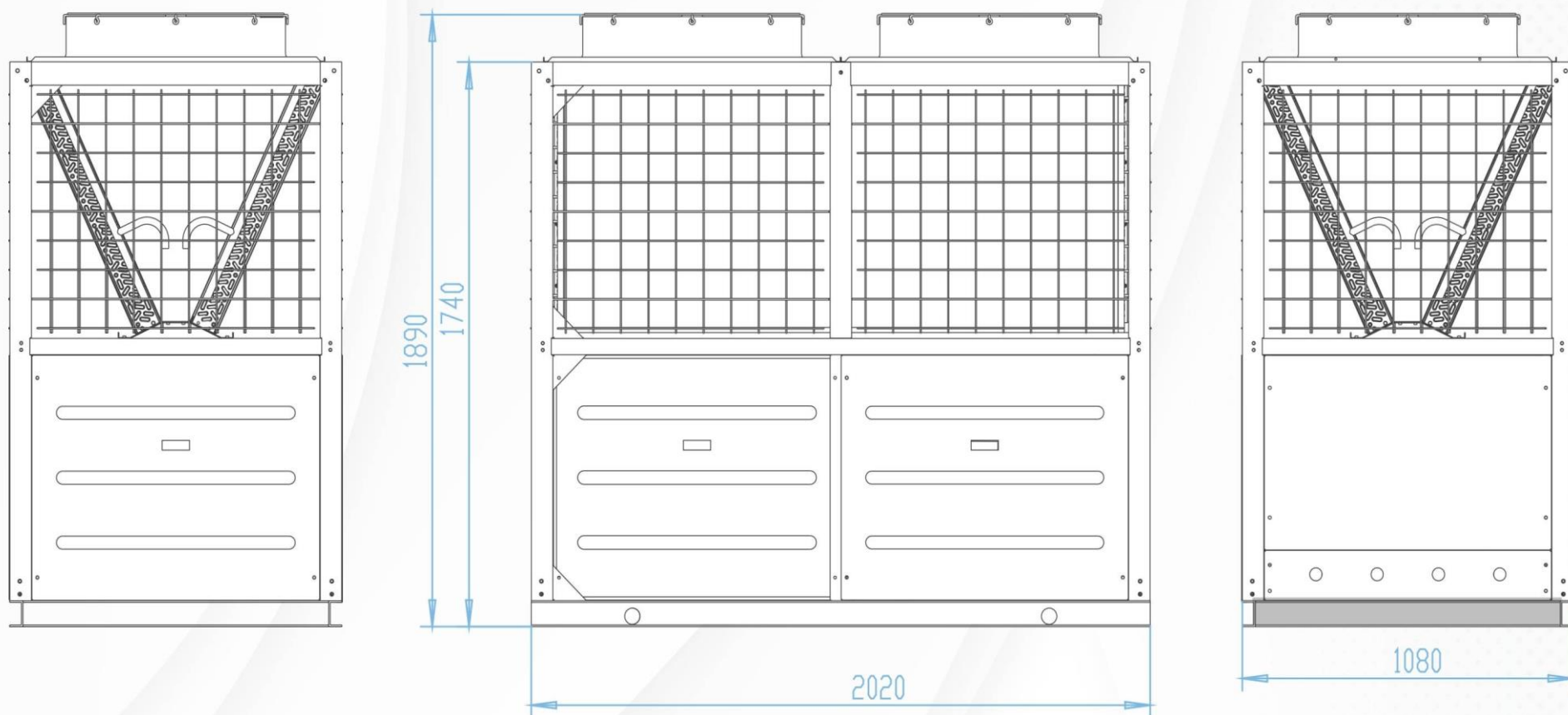
Aplica para modelos: ADRCOS4120CS236A, ADRCOS4120CS436A
ADRCOS4180CD236A, ADRCOS4180CD436A



- Las medidas presentadas están en milímetros.

Dimensions

Applies to models: ADRCOS4120CS236A, ADRCOS4120CS436A
ADRCOS4180CD236A, ADRCOS4180CD436A



- The measurements presented are in millimeters.

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