

Parts Manual

PM

Group: Chiller
Part Number: PM CLIC STAND ALONE
Date: 12 July 2023

CLIC STAND ALONE Series Air-Cooled Scroll Compressor Chiller Water Generator Unit

Model

25 TR

HFC-410A Refrigerant

50/60 Hz



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Manufactured in an ISO 9001 certified facility



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SAFETY WARNING

This manual provides service parts information for the Clima Flex CLIC STAND ALONE series.

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

⚠ DANGER ⚠

LOCK OUT/LABEL all power sources before starting, pressurizing, depressurizing or shutting down the chiller.
Disconnect electrical power before servicing equipment. More than one disconnection may be required to de-energize the unit. Failure to follow this warning to the letter can result in serious injury or death. Be sure to read and understand the installation, operating and service instructions in this manual.

⚠ WARNING ⚠

Electric shock danger. Improper handling of this equipment can cause personal injury or equipment damage. This equipment must be properly grounded. Control panel connections and maintenance should be performed only by personnel knowledgeable in the operation of the equipment being controlled. Disconnect electrical power before servicing equipment.

⚠ CAUTION ⚠

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

⚠ CAUTION ⚠

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

⚠ WARNING ⚠

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

⚠ WARNING ⚠

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

DANGER IDENTIFICATION INFORMATION

⚠ DANGER ⚠

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

⚠ WARNING ⚠

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

⚠ CAUTION ⚠

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

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

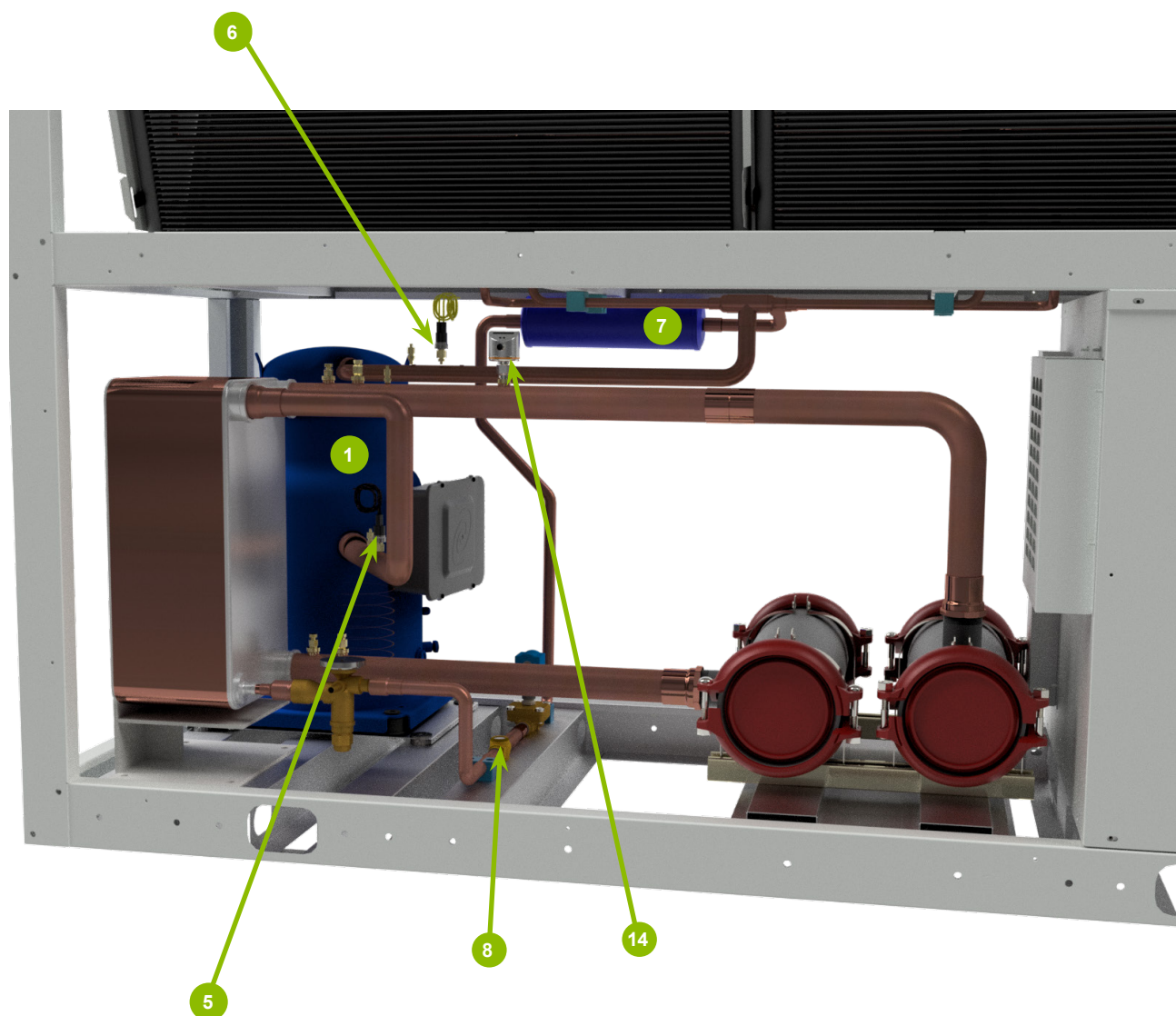
Clima Flex's CLIC STAND ALONE series air-cooled chilled water generators are complete, self-contained, automatic chillers designed for outside installation. The package units are fully assembled, factory wired, charged and tested.

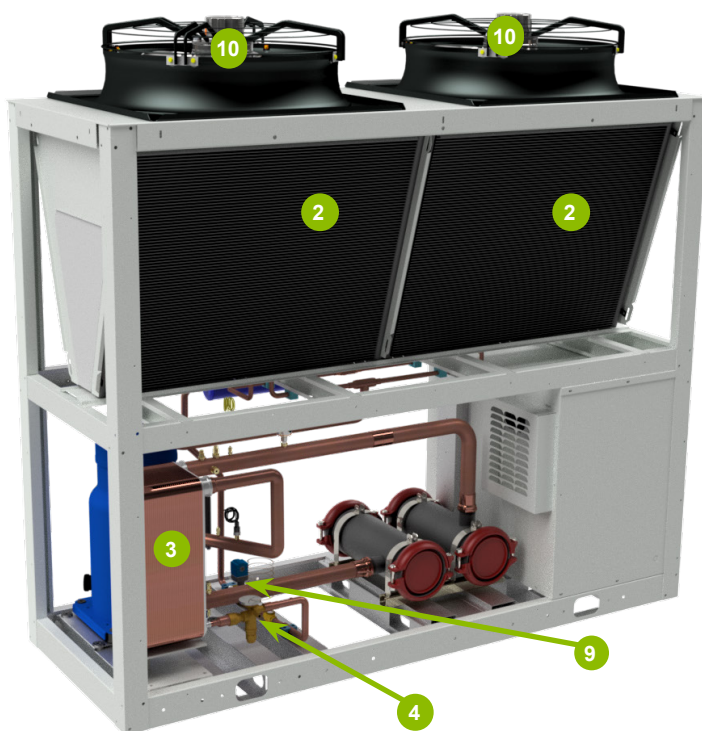
Electrical control center includes all operating controls and equipment protection necessary for reliable automatic operation. Components housed in a weatherproof control panel.

NOMENCLATURE

CLIC-300-VL-C-1-A-N-D-F-M-M-N-N-0-2-S-N-D-N-4-C-0	
FAMILY	EXTRA 0 - TBD
CAPACITY (BTU) 300 - 300,000	CONTROL P - Parametric (Only standalone) C - pCO / pGD
AIR DISCHARGE VL - Vertical Large	REFRIGERANT 4 - R410-A
OPERATION C - Cooling Only H - Heat Pump	SINGLE SKID O - With base N - N/A
UNITS 1 - Stand alone 2 - 2 units 3 - 3 units 4 - 4 units 5 - 5 units 6 - 6 units 7 - 7 units 8 - 8 units 9 - units 10 - 10 units	PACKAGING D - Domestic I - Internacional
CONDENSER FAN A - Axial Fixed	HIDRAULIC CONNECTION N - Not included Y - Yes included
ANTICORROSION C - Coat in Condenser I - Coat in Components M - Total Coating N - None	ELECTRICAL CONNECTION M - Multipoint S - Single Point
VOLTAGE C - 208-230 / 3 / 60 D - 460 / 3 / 60	PIPE 6 - 6"
COMPRESSOR F - Fixed V - Inverter T - Tandem	GRILLS 1 - Painted Grill 0 - N/A
CONDENSER M - Microchannel C - Cu-Al	FREE COOLING N - No
	HEAT RECOVERY N - N/A R - Heat recovery
	PROTOCOL M - Modbus B - BACnet IP

SERVICE PARTS - REFRIGERATION





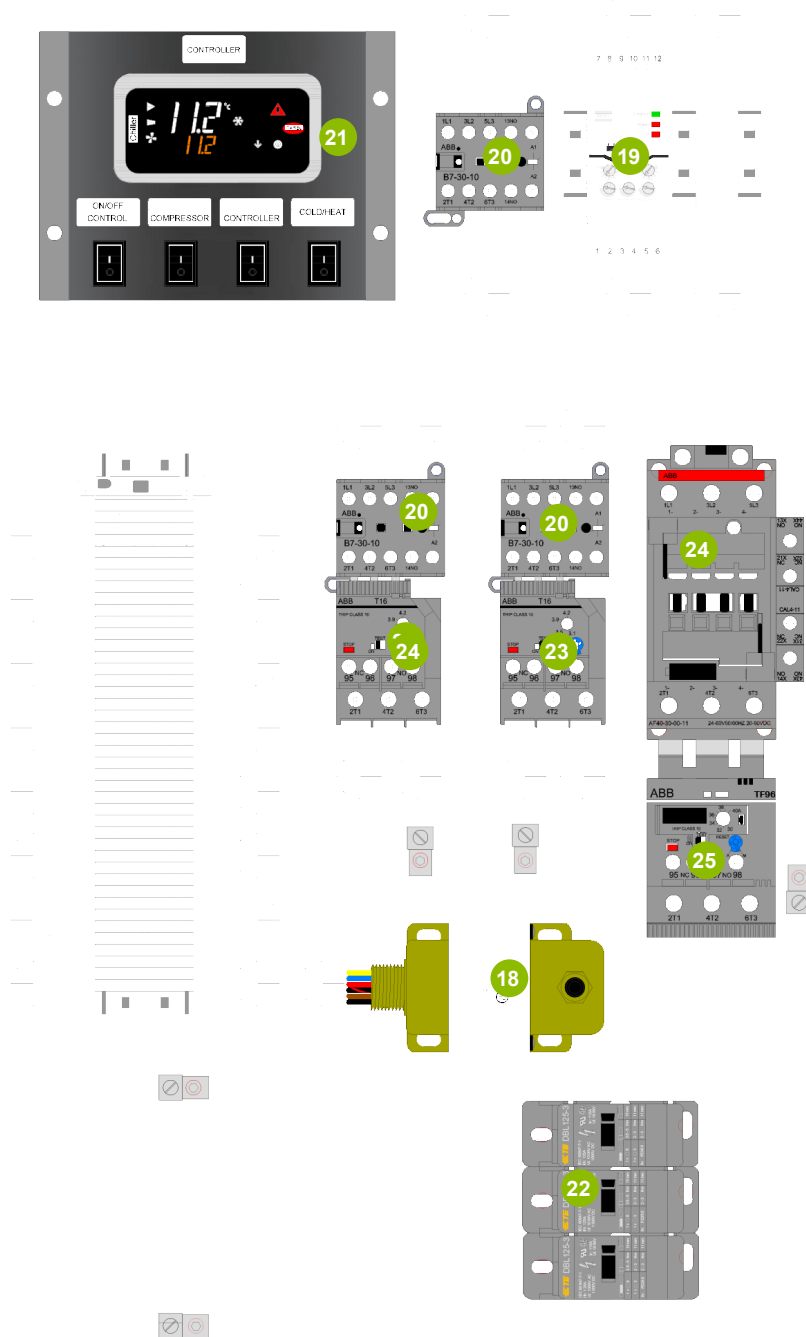
COMPONENT		QTY	UM	PART NUMBER	PART NUMBER
				208-230 / 3 / 60	460 / 3 / 60
1	COMPRESSOR	1	PC	3000410	3000651
2	CONDENSER	4	PC	3008927	3008927
3	EVAPORATOR	1	PC	3000491	3000491
4	EXPANSION VALVE	1	PC	1024778	1024778
5	HIGH PRESSURE CONTROL	1	PC	1001249	1001249
6	LOW PRESSURE CONTROL	1	PC	103689	1036389
7	FILTER	1	PC	1026170	1026170
8	FLOW AND HUMIDITY INDICATOR	1	PC	1001239	1001239
9	SOLENOID VALVE	1	PC	1001247	1001247
10	FAN	2	PC	3010999	3010999
11	MOUNTING KIT	1	PC	1000210	1000210
12	TERMOPOZO	1	PC	1022328	1022328
13	BASE FOR EXCHANGER	1	PC	3000541	3000541
PLUMBING					
14	FLOW SENSOR	1	PC	3014528	3014528

SERVICE PARTS - ELECTRICAL 1



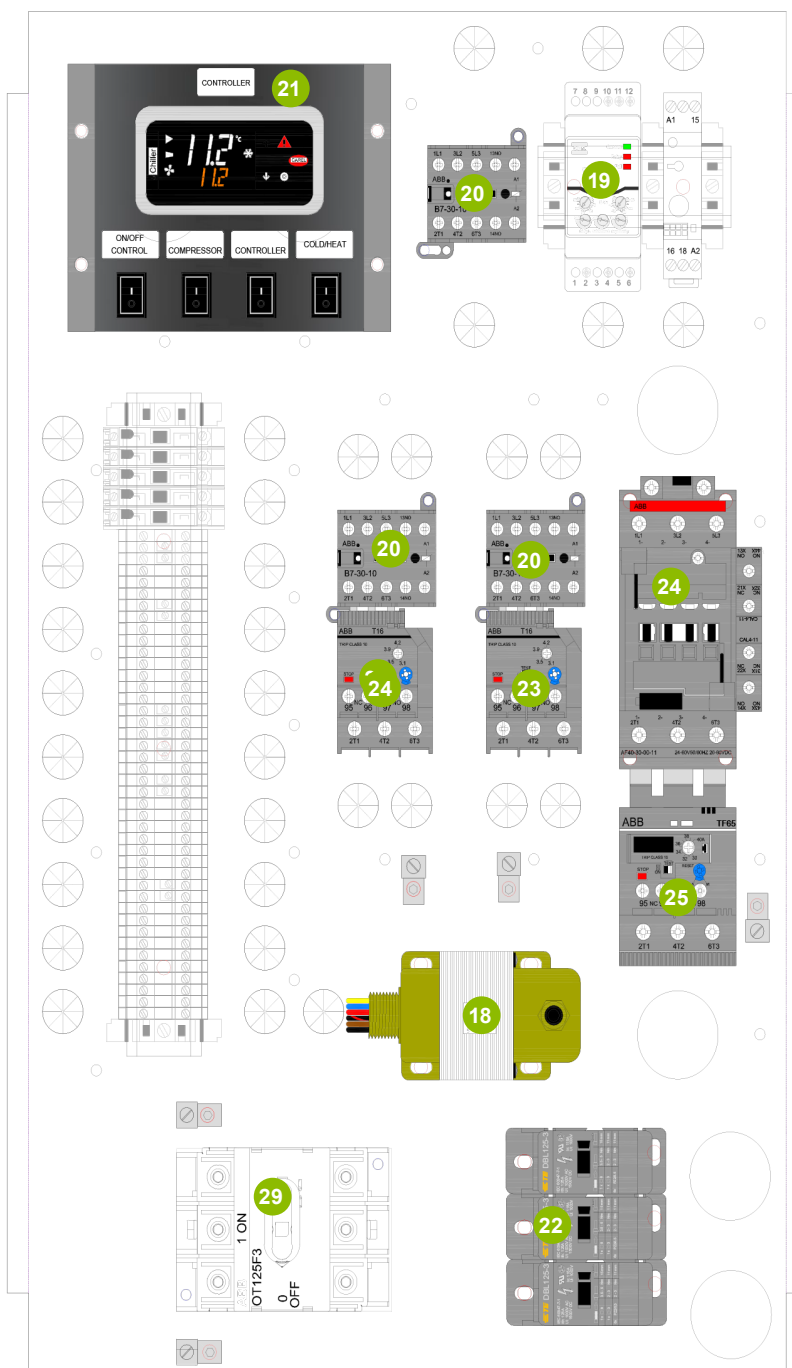
COMPONENT		QTY	UM	PART NUMBER	PART NUMBER
				208-230 / 3 / 60	460 / 3 / 60
15	SELECTOR TYPE HANDLE	1	PC	1042145	1042145
16	METAL ROD FOR SELECTOR	1	PC	1042146	1042146
17	EMERGENCY STOP	1	PC	4002181	4002180

Figure 1. Schematic layout 220V.



SERVICE PARTS - ELECTRICAL 2

Figure 2. Schematic layout 440V.



COMPONENT		QTY	UM	PART NUMBER	PART NUMBER
				208-230 / 3 / 60	460 / 3 / 60
18	TRANSFORMER	1	PC	3000042	3000126
19	PHASE PROTECTOR	1	PC	1035910	1035911
20	MINIATURE CONTACTOR	3	PC	1000144	1000144
21	MICROCHILLER	1	PC	1037179	1037179
22	DISTRIBUTION BLOCK	1	PC	1034621	1034621
23	FAN RELAY	2	PC	1000586	1000586
24	COMPRESSOR CONTACTOR	1	PC	1001320	1001201
25	COMPRESSOR RELAY	1	PC	1013094	1001196
26	3 AMP FUSE	2	PC	1000233	1000233
27	COMPRESSOR CRANCKASE	1	PC	1001343	1001344
28	TIMER RELAY	1	PC	1001438	1001438
29	DISCONNECTOR SWITCH	1	PC	1042202	1042202
30	TEMPERATURE SENSOR	4	PC	1001435	1001435
31	1 TO 250 V FUSE	2	PC	1034404	1034404
32	BALANCIN SWITCH	4	PC	1000166	1000166

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