

Wine Cooling System

WM-6500HZD-DE, WM-8500HZD-DE
Installation, Use & Care Manual





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Read and save these instructions

Important Safety Information

NOTES:

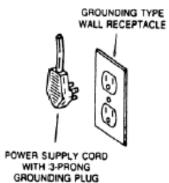
- Do not plug in until 24 hours after delivery.
- Do not use a ground fault interrupter (GFI).
- Do not use an electrical extension cord.
- A dedicated 30 AMP circuit is required.

A WARNING



To avoid the risk of electrical shock, property damage, personal injury, or death:

- The power cord must be plugged into a 3-prong grounding type wall receptacle, grounded in accordance with the National Electrical Code, ANSI/NFPA 70 latest edition and local codes and ordinances.
- It is the personal responsibility of the consumer to have a proper 3-prong wall receptacle installed by a qualified electrician.
- DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE POWER CORD GROUNDING PRONG.
- A separate adequately fused and grounded circuit should be available for this appliance.
- Do not remove any grounding wires from individual components while servicing unless the component is to be removed and replaced. It is extremely important to replace all grounding wires when components are replaced.



A WARNING

ELECTRICAL SHOCK HAZARD

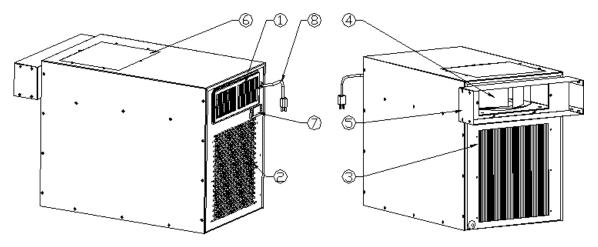
- Disconnect electrical supply from appliance before servicing.
 - Replace all panels before operating.
 - Failure to do so could result in death or electrical shock.

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Features and Specifications

- HZD-DE series cooling units are designed and used to provide a stable temperature between 50~65 °F for a properly insulated space.
- o The refrigerated space will maintain humidity ranges within 50~70% RH.
- These temperature and humidity ranges are optimized for long termstorage of wine.
- o Temperature is controlled and humidity is adjusted using
 - innovative technology.
- Horizontal cold-air supply is optimized for use in the wine cellars.
- Backward-curved impeller fan can duct the condenser hot air 50 ft in totalto exhaust outside.
- The unit is self-contained ready for easy installation and use.



- 1. COLD-AIR SUPPLY
- 2. CELLAR-AIR RETURN
- 3. AMBIENT-AIR INTAKE
- 4. HOT-AIR REAR EXHAUST
- 5. DUCT HOOD ADAPTER
- 6. HOT-AIR TOP EXHAUST (OPTION)
- 7. DIGITAL CONTROLLER
- 8. POWER CORD

Fig. 1.1 FEATURE DESCRIPTIONS

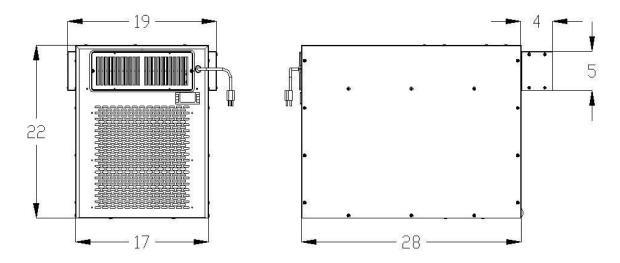


Fig. 1.2 DIMENSIONS

The specifications and dimensions are listed as follows:

MODEL	CFM	CELLAR SIZE (CUFT)	DUCT HOOD WXDXH – DIA (EXHAUST/INTAKE)	DUCT SIZEDIA (")	ELECTRICAL	WEIGHT (lb)
WM-	500	1500	18.5"X4.5"X8" – 10"	10	115V/60Hz/10A	140
6500HZD-DE			12"X12"X10" - 10"			
WM-	500	2000	18.5"X4.5"X8" – 10"	10	115V/60Hz/12A	140
8500HZD-DE			12"X12"X10" – 10"			

NOTES:

- Also see the voltage, frequency and current specified on the label at the cooling unit.
- The rated capacity is determined under the cellar and ambienttemperatures of 55°F and 75°F with R13 interior and R19 exterior insulations. Any lower cellar temperature, higher ambient temperature and less insulation will cause reducing capacity and may not maintain 55°F.
- The ambient temperatures shall not be higher than 100°F or lower than 50°F in order to operate properly.

Installation Instructions

A WARNING



- Always check wiring harness connections before initiating any test procedures.
- Disconnect electric power from the appliance before performing any maintenance or repairs.
- Voltage checks should be made by inserting meter proves beside the wires in the connector blocks with the electric power source on and the connector block plugged in.
- Resistance checks should be made on components with the electric power off and the connector block disconnected.

NOTES:

- o Mounting brackets, screws, gaskets and other seal materials are not included.
- o Do not install any ducts onto the cold-air supply and cellar-air return.
- o Ducts can be used on the hot-air exhaust and ambient-air intake side
- o Mounting brackets, screws, gaskets and other seal materials are not included.

1. General Instructions

- The cooling unit produces cooling supplied into the cellar, meanwhile it also generates heat that must be exhausted outside the cellar. So the cold- air supply with cellar-air return side and the hot-air exhaust with ambient-air intake side must be separated and sealed. Through-wall installations can separate these two sides.
- Furthermore, the condenser of cooling unit must intake adequate fresh ambient-air to work properly. The ambient-air intake and hot-air exhaust must not be short-circulated. Both of them must remain unobstructed 36" clearance all around. The area into which the hot air is exhausted must be well ventilated. If it is not, heat generated by the unit will build up and the unit will not operate properly.
- Additionally, cold-air supply from the front grille must remain unobstructed 36" clearance.
- The ambient temperatures shall not be above and below what are specified.

2. WM-6500~8500HZD-DE through-wall installation

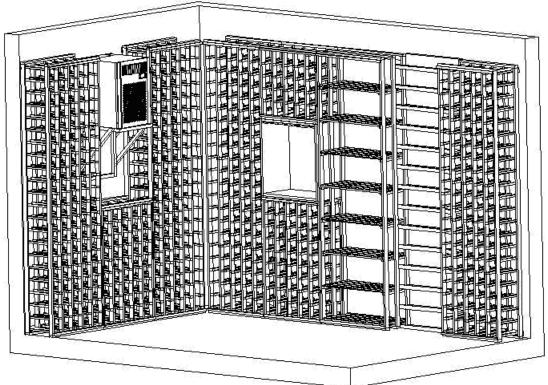


Fig. 2.1 THROUGH- WALL INSTALLATION

- The cooling unit shall be mounted near the ceiling with equal distance from each side of the cellar.
- Cut a rectangular opening at the wine cellar wall as illustrated. The dimensions of the opening shall be 1/4" larger than the width and height of the cooling unit.
- Construct a shelf as shown. The shelf must be capable of supporting the weight of the cooling unit and preventing it from moving.
- Place the cooling unit on the shelf with the back of the unit flush with the outside of the wall.
- Seal the clearance between the cooling unit and opening with a high quality weather stripping, polyurethane spray foam, or foam tape. Cover the seal withmolding and attach the molding to the wall not the unit.
- Attach the adapter of hot-air exhaust duct hood to the rear of the cooling unit with screws; then attach the hot-air exhaust duct hood with adhesive tapes.
- Attach the ambient-air duct hood to the rear of the cooling unit with adhesive tapes.
- Attach the insulated ducts to the hoods with adhesive tapes.
- Secure the ducts with conduits to the cellar exterior walls and make sure they are not curled, twisted, bent and clogged.
- Plug the unit into a properly grounded and dedicated outlet of adequate capacity.

NOTE:

- The cooling unit can be installed with the front of the unit flush with the inside of the wall. Construct a shelf outside the cellar accordingly.
- The exhaust and intake ducts can be 50 ft in total.

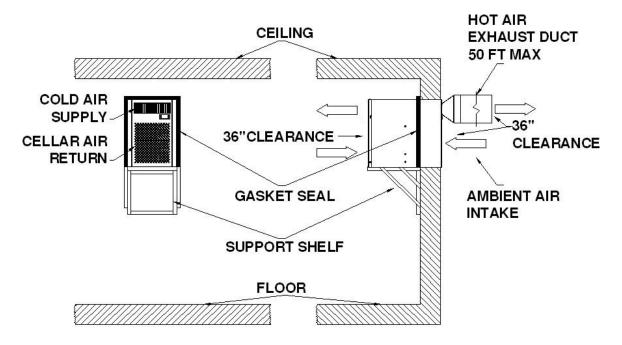


Fig. 2.2 Through-wall Installation with hot-air exhaust duct (outside wall flush)

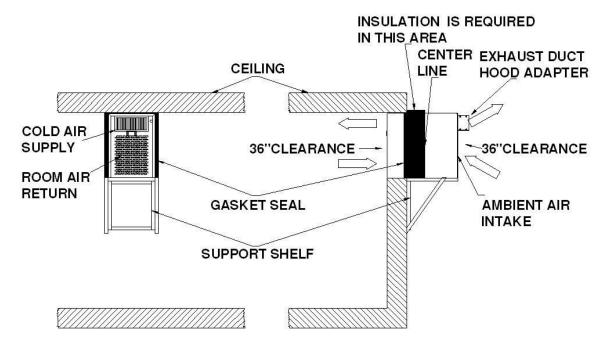


Fig. 2.3 Through-wall Installation with hot-air exhaust duct (inside wall flush)

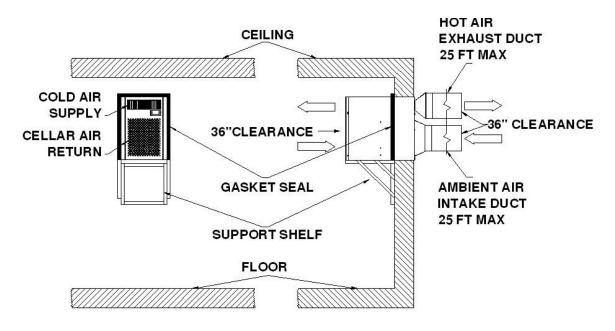


Fig. 2.4 Through-wall Installation with hot-air exhaust and ambient-air intake ducts

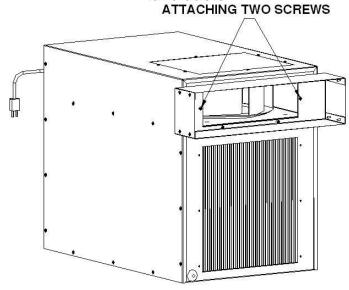


Fig. 2.5 ATTACHING THE ADAPTER OF HOT-AIR EXHAUST DTCT HOOD



Fig. 2.6 HOT-AIR EXHAUST DUCT HOOD (18.5"WX4.5"DX8"H - 10" DIA)



Fig. 2.7 AMBIENT-AIR INTAKE DUCT HOOD (12"WX12"DX10"H - 10" DIA)

4. Cellar Construction

This is only a guide and shall be considered as minimum requirements.

All interior walls and floors shall have a vapor barrier and a minimum of R13 insulation. All exterior walls and ceiling shall have a vapor barrier and a minimum of R19 insulation. The vapor barrier shall be installed on the warm side of the insulation. All joints, door frames, electrical outlets or switches and any pipes or vents that go through the cellar shall be sealed to prevent air and moisture leakage into the cellar. Concrete, rock, and brick are not insulation or vapor barriers.

Doors shall be of a minimum size, insulated to at least R13 and tightly sealed with high quality weather stripping. Be sure to seal the bottom of the door and fill gap between the door's frame and wall before installing the cap molding. In order to maintain 55 °F in the wine cellar, the ambient temperature surrounding the enclosure shall not exceed the temperature of the cellar by morethan 25 °F. No cellar wall shall receive direct sun or strong wind.

Lighting shall be of low wattage, with a timer to insure lights are not left on when the cellar is not occupied.

The cooling system will not be able to maintain the proper temperature if fresh moisture-laden air is constantly being introduced to the cellar. Symptoms of this condition are; cooling unit runs all the time with only a slight reduction in temperature and/or water overflows from the unit. Because of the temperature difference between the inside and outside, very small cracks can allow large amounts of outside air to enter into the cellar. Please be aware that moisture can pass through solid concrete, paint and wood. Often a newly constructed cellar contains fresh wood, paint, concrete and other building materials. These materials contain large amounts of moisture. When placed into operation in this type of environment, the system will work harder to remove this extra moisture resulting in increased "run" time.

Temperature and Humidity

1. The controller



Fig. 3.1 TEMPERATURE CONTROLLER

1) Keys

SET: To display set-point; in programming mode it selects a parameter or confirms an operation.

To start a manual defrost.

♠: To see the maximum stored temperature; in programming mode it browses the parameter codes or increases the displayed value.

▼: To see the minimum stored temperature; in programming mode it browses the parameter codes or decreases the displayed value.

①: To turn on/off the power to the unit.

△+♥: To lock/unlock the keypad.

SET+ : To enter in the programming mode.

SET+ To return to the temperature display.

2) Lock and unlock the keys

To lock the keys, press up + down keys △+♥ until POF is displayed; to unlock the keys, press up + down keys △+♥ until PON is displayed.

3) Display

During normal operating conditions, the display shows the value measured by the air temperature probe. In case of active alarm, the temperature flashes alternately to the code alarm. The LED functions are listed as follows.

LED	MODE	FUNCTION
*	ON	Compressor enabled
*	Flashing	Anti-short cycle enabled
* *	ON	Defrost cycle enabled
45	ON	Fan enabled
45	Flashing	Fan delay after defrost enabled
(D)	ON	Alarm occurring
°C/°F	ON	Temperature measuring unit
°C/°F	Flashing	Programming mode

4) Alarm Signals

The alarm codes are described as follows.

MESSAGE	CAUSE	FUNCTION
P1	Temperature probe	Compressor switching to Con and
	faulty	CoF
HA	High temperature	Probe temperature ALU higher than
	alarm	thesetting temperature; Outputs
		unchanged
LA	Low temperature alarm	Probe temperature ALL lower than the
		setting temperature; Outputs
		unchanged
CA	External alarm	All outputs off

Probe alarms P1", start a few seconds after the fault in the related probe; they automatically stop a few seconds after the probe restarts normal operation. Check connections before replacing the probe. Temperature alarms "HA", "LA" automatically stops as soon as the temperature returns to normal value. Alarm "CA" (with i1F=PAL) recovers only by switching off and on the instrument.

2. Temperature Setting

- Set the temperature at 55 °F for the optimum aging of wine
- On initial start-up, the time required to reach the desired temperature will vary, depending on the quantity of bottles, temperature setting and surrounding temperature.
- Allow 24 hours to stabilize the temperature for each new temperature setting operation

3. How to see temperature set-point

- 1) Press and immediately release the **SET** key, the display will show the set-point value.
- 2) Press again and immediately release the **SET** key to display the probe value.

4. How to change the set-point

- 1) Press and hold the **SET** key until the "°C" or "°F" LED starts flashing and the set-point is displayed.
- Press the up/down keys △/♥ to change the set-point value within 10 sec.
- 3) Press the **SET** key again to store the new set-point value.

NOTE: The unit turns on at set-point **Set** plus regulation differential **Hy** after antishort cycle **AC** has elapsed; the unit turns off at set-point **Set**.

5. Manual Defrost

Press and hold the defrost key until defrost starts. The defrost indicator will be on.

6. Parameter Programming

- 1) Press and hold the **SET** +♥ keys until the "°C" or "°F" LED starts flashing, then release the keys.
- 2) Press and hold again the **SET** + we keys until the **Pr2** label is displayed, then release the keys. The first parameter **Hy** will be displayed.
- 3) Press up/down keys △/♥ to scroll to the required parameter within 10 sec.
- 4) Press the "**SET**" key to display its value.
- 5) Use up/downteys to change its value within 10 sec.
- 6) Press "SET" to store the new value and the display will flash 3 times.
- 7) **To exit**: Press **SET** + \triangle or wait 15sec without pressing a key.

PARAMETER	DESCRIPTION	DEFAULT VALUE
Set	set-point (°)	55
Ну	temperature regulation differential (°)	4
AC	anti-short cycle delay (min)	10
Con	compress on with probe faulty (min)	15
CoF	compress off with probe faulty (min)	30
CF	temperature unit (°F/ °C)	F: Fahrenheit
rES	display resolution	in: integer
dLy	temperature display delay (min)	1
ot	probe calibration (°)	0
LS	minimum set-point (°)	50
US	maximum set-point (°)	65
idF	defrost cycle interval time (hour)	12
MdF	defrost cycle endurance time (min)	30
ALC	temperature alarm type	rE: relative to set-point
ALU	high temperature alarm (°)	10
ALL	low temperature alarm (°)	10
AFH	alarm recovery differential (°)	5
ALd	temperature alarm delay (min)	60
dAO	temperature alarm delay on startup (hr)	23
SAA	heater set-point (°)	40
SHy	heater regulation differential (°)	4
FSU	fan action	Std
FnC	fan operating mode	C-n: on with compressor & off during defrost
Fon	fan on with compressor off (min)	0
FoF	fan off with compressor off (min)	15

NOTE: Depending on the controller, not all parameters are used.

7. How to calibrate the air probe

If the actual cellar temperature differs from the setting temperature, set parameter **ot** = actual cellar temperature minus set-point.

8. How to adjust defrost cycle

In case there is excessive frost, the parameters FnC = C-y, idF = 4 and MdF = 20 can be used to avoid frost.

9. How to adjust the humidity

The parameter **Fon** is used to adjust the humidity in the wine cellar. Higher **Fon** results in higher relative humidity. Use a separate hygrometer to monitor the humidity.

10. How to set alarm call

- 1) Speech notice will be sent to your phones when the cellar temperature is **ALU** higher or **ALL** lower than the set-point **Set**.
- 2) In order to test the call function, set parameters Ald = 0 and dAO = 0. After testing, set Ald = 60 and dAO = 23.

11. How to set low cellar temperature heater

The heater turns on at **SAA** minus **Shy**; the heater turns off at **SAA**. **NOTES:**

- i Use a forced air heater to warm up the wine cellar.
- i If there is a thermostat on the heater, bypass it or set the thermostat at the highest level.

If the heater runs more than 10 A current, use a 120VAC coil contactor.

Care Guide





ELECTRIC SHOCK HAZARD

Disconnect the electrical power before servicing any components. Failure to do so can result in death or electrical shock.

1. Cleaning Condenser

- Clean the condenser regularly at least every 6 months.
- Condenser is located on the ambient air intake side of the cooling unit.
- Use a condenser brush or a vacuum cleaner with an extended attachment to clean the condenser.

2. Removing Condensate

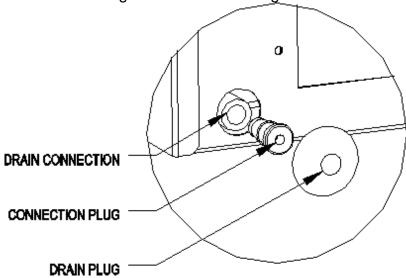
Remove the excessive condensate if it is accumulated on the cooling unit in high humidity conditions.

3. Removing Unit

When you remove the cooling unit, beware water may come out of the unit.

4. Installing Drain Line

The units are equipped with an additional drain fitting. In case of extreme humidity there is a drain line needed, remove the drain plug on the bottom left at the rear, then remove the connection plug and fit a 0.375" OD drain tube into the drain connection. Install the cooling unit with the front higher than the rear.



Troubleshooting

This Troubleshooting Chart is not prepared to replace the training required for a professional refrigeration service person, not is it comprehensive

Complaint	Possible Causes	Response
Unit not starting , buttemperature rising high	Power cord not plugged No power from supply Incorrect or loose wirings Low voltage Setting higher than ambient temperature Cut-in too high Defrost light blinking Compressor light blinking Defective controller a. Anti-short cycle	Check power cord Check receptacle and fuses Check all wirings and connections Contact an authorized electrician Lower temperature setting Reduce Hy Unit is under defrost mode Unit is under anti-short cycle delay Call service for diagnosis a. Reset AC
3. Temperature fluctuating	a. Air probe	a. When using an air probe, the wine bottle temperature is mainly controlled by the average air temperature. If the set-point is 55°F with the differential 4F, the cooling unit turns on at 59°F of air temperature (It may be higher than 59°F if it is in anti-short cycle or defrost cycle) and turns off at 55°Fof air temperature. The average air temperature is 57°F, and then the wine temperature is around 57+/- 0.5°F. The air is light enough to change so quickly that it maintains relatively constant average temperature that would prevent wine bottle temperature from fluctuating.
4. Temperature high, unit stopping and starting normally	a. Temperature setting high	a. Lower the setting
5. Temperature high, unit stopping and starting with short running time	Air probe touching the evaporator coil, displaying temperature ok Short circuit of air flow between coldair supply and cellar-air return, displaying temperatureok Failed controller and probe	Move the air probe away from the evaporator Deflect the supply air down Call service for diagnosis
6. Temperature	a. Improper cellar insulation & seal	a. Check insulation, gasket and door

[iva	1	T
high or not cooling and	Cellar too large	opening Check for excessive size
running	Ambient temperature too high	Check installation location
continually	Exhaust restricted	Leave minimum 3 feet clearance forthe
Continually		hot air exhaust side and leave minimum
		1 foot clearance for the fresh air intake
	Malfunctioning fans	side
		Check for both evaporator and
	Evaporator or condenser airflow	condenser fans
		Check for air restrictions, air short-
	Dirty Condenser	circulation, grille directions
	Iced evaporator	Clean condenser
	Refrigeration system restriction	Defrost and reset temperature
	Refrigerant leak	Call service Call service
	Undercharge or overcharge	Call service
	Failed components	Check compressor windings, startrelay
		and overload protector
7. Unit runningtoo	Improper cellar insulation & seal	Check insulation, gasket and door
_	Improper cellar insulation & sear	opening
long	Cellar too large	Check for excessive size
	Ambient temperature higher >90°F	Check for installation location
	Exhaust restricted	
	Exhaust restricted	Leave minimum 3 feet clearance for the
		hot air exhaust side and leave minimum
	Dirty Condonoor	1 foot clearance for the fresh air intake
	Dirty Condenser Improper condenser air flow	side
		Clean condenser
		Check for fan and air short circulation
8. Fan motor	Post-compressor fan	Check fan running time FON
running but	runningmode	and the second s
compressornot	Incorrect or loose wirings	Check all wirings and connections
running	Failed components	Check start relay, start capacitor,
Turining		overload protector, compressor.
	Liquid refrigerant in the	Call service.
0.0	compressor	Olas I for an analysis and
9. Compressor	Fan blade stuck	Check for proper clearance
running butfan not	Incorrect or loose wirings Failed motors	Check all wirings Call service
running	Falled Hiotors	Call Service
10.Temperature	Failed components	Check compressor windings, startrelay
high, compressor		
		and overload protector.
stopping and	Improper condenser airflow	and overload protector. Check for condenser fan
stopping and starting but very	Improper condenser airflow Dirty condenser	and overload protector. Check for condenser fan Clean condenser
stopping and	Improper condenser airflow Dirty condenser Overcharge of refrigerant	and overload protector. Check for condenser fan Clean condenser Call service for removing refrigerant
stopping and starting but very	Improper condenser airflow Dirty condenser Overcharge of refrigerant Discharge or suction pressuretoo	and overload protector. Check for condenser fan Clean condenser
stopping and starting but very	Improper condenser airflow Dirty condenser Overcharge of refrigerant	and overload protector. Check for condenser fan Clean condenser Call service for removing refrigerant
stopping and starting but very	Improper condenser airflow Dirty condenser Overcharge of refrigerant Discharge or suction pressuretoo	and overload protector. Check for condenser fan Clean condenser Call service for removing refrigerant
stopping and starting but very short running time	Improper condenser airflow Dirty condenser Overcharge of refrigerant Discharge or suction pressuretoo	and overload protector. Check for condenser fan Clean condenser Call service for removing refrigerant
stopping and starting but very short running time 11.Fan runningtoo	Improper condenser airflow Dirty condenser Overcharge of refrigerant Discharge or suction pressuretoo high	and overload protector. Check for condenser fan Clean condenser Call service for removing refrigerant Call service for information
stopping and starting but very short running time	Improper condenser airflow Dirty condenser Overcharge of refrigerant Discharge or suction pressuretoo high a. Post-compressor fan	and overload protector. Check for condenser fan Clean condenser Call service for removing refrigerant Call service for information

low	Low ambient temperature	Move to another location		
	Air probe fault	Change a new one		
	Temperature controller fault	Change a new one		
13.Evaporator	Evaporator air flow restriction	Check for fans and air flow		
freezing up	Low temperature setting	Check for set-point		
	Low ambient temperature	Change defrost cycle		
	Defective controller or probe	Check for controller and probe		
	Not stopping due to air leak, high	Check for seal, door opening, ambient		
	ambient temperature, condenser air	temperature and condenserair flow		
	flow restriction or pull-down cooling			
	Initially working then stopping,	Call service		
	moisture in the system			
	Refrigerant low or leaking	Call service		
	Capillary tube or expansion valve	Call service		
	blockage			
14.Water leak	Air leak in the wine cellar causing	Check for air leak		
17.VValci icak	excessive condensate	Shook for all leak		
	High humidity causing excessive	Use drain line		
	condensate			
	Evaporator air flow restriction	Check supply air flow or air TD		
	Water passages restricted	Clean the drip tray		
	Drip tray leak (No water overflowbut	· · ·		
	water leak)			
15.Excessive	Air leak in the wine cellar causing	Check for any air leak		
condensatein	excessive condensate	· ·		
wine cellar	High humidity causing excessive	Use drain line		
	condensate			
	Water passages restricted	Clean the drip tray		
16.Condensate	Drain line restricted	Check for drain		
inside ducts	Continually running not stopping	raise temperature setting or		
	Too cold oursely six	increase defrost cycle		
	Too cold supply air	Increase air flow or		
17 Condensate	Duct not insulated	raisetemperature setting Check for insulation		
17.Condensate	High humidity	Use dehumidifier		
outside ducts	Too cold supply air	Increase air flow or		
	100 cold supply all	raisetemperature setting		
18.Circuit	Incorrect fuse or breaker	Check for proper fuse or breaker		
tripping	Incorrect wirings	Check for wirings and connections		
uipping	Failed components	Call service		
19.Noisy	Mounting area not firm	Add support to improve installation		
operation	Loose parts	Check fan blades, bearings, washers,		
operation		tubing contact and loose screws.		
		Check for airflow		
	Compressor overloaded due tohigh			
	ambient temperatures or airflow			
	restriction	Call service for checking internal loose,		
	Defective components	inadequate lubrication and		
		incorrect wirings		

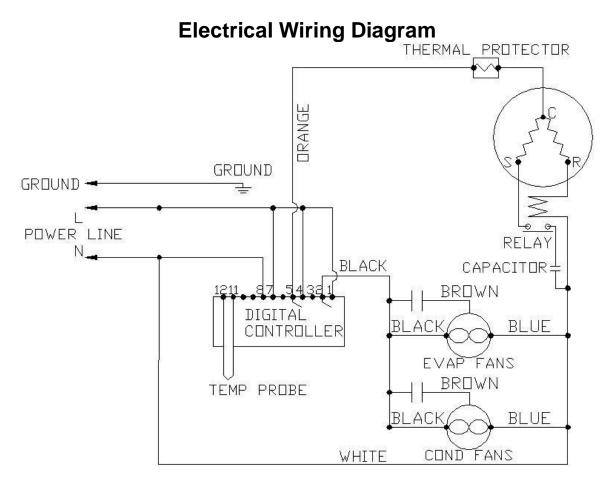


Fig. 6.1 WM-6500~8500HZD-DE WIRING DIAGRAM

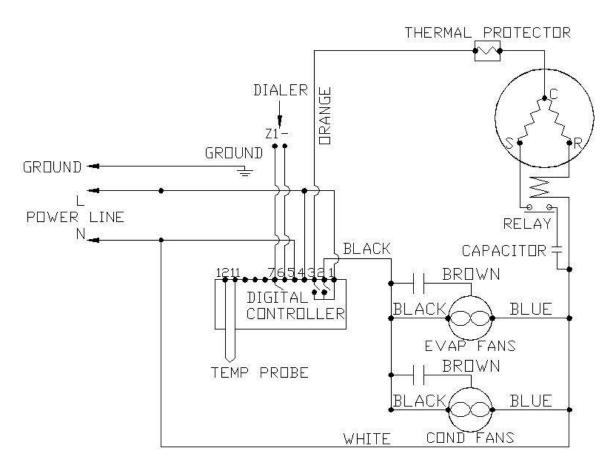


Fig. 6.2 WM-6500~8500HZD-DE WIRING DIAGRAM (ALARM CALL)

Customer Support

If you need further assistance, please contact us at:

Vinotemp International 732 South Racetrack Road Henderson, NV 89015

Tel: (310) 886-3332 Fax: (310) 886-3310

Email: info@vinotemp.com

Warranty

Thank you for choosing a Vinotemp cooling unit.

Please enter the complete model and serial numbers in the space provided:

Model		
Serial No.		

Attach your purchase receipt to this owner's manual.

1. Limited Warranty

VINOTEMP warrants its products to be free from defects due to workmanship or materials under normal use and service, for twelve months after the initial sale. If the product is defective due to workmanship or materials, is removed within twelve months of the initial sale and is returned to VINOTEMP, in the original shipping carton, shipping prepaid, VINOTEMP will at its option, repair or replace the product free of charge. Additionally VINOTEMP warrants all parts to be free from defects for a period of sixty months after initial sale.

This warranty constitutes the entire warranty of the VINOTEMP with respect to its products and is in lieu of all other warranties, express or implied, including any of fitness for a particular purpose. In no event shall VINOTEMP be responsible for any consequential damages what is so ever. Any modification or unauthorized repair of VINOTEMP products shall void this warranty.

Service under Warranty

This service is provided to customers within the continental UNITED STATES only. VINOTEMP cooling units are warranted to produce the stated number of BTU/H. While every effort has been made to provide accurate guidelines, VINOTEMP can not warranty its units to cool a particular enclosure.

In case of failure, VINOTEMP cooling units must be repaired by the factory or its authorized agent. Repairs or modifications made by anyone else will void the warranty.

Shall a VINOTEMP cooling unit fail, contact the dealer for instructions, do not return the unit to the factory without authorization from VINOTEMP. If the unit requires repair, re-pack it in the original shipping carton and return it to the factory, shipping prepaid. VINOTEMP will not accept COD shipments. If the unit is determined to be faulty and is within the twelve month warranty period

VINOTEMP will, at its discretion, repair or replace the unit and return it free of charge to the original retail customer. If the unit is found to be in good working order, or beyond the initial twelve month period, it will be returned freight collect.

2. Limitation of Implied Warranty

VINOTEMP'S SOLE LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO, AT OUR OPTION, REPAIRING OR REPLACING OF UNIT.

VINOTEMP SHALL NOT BE LIABLE FOR:

DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE UNIT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE UNIT, LOSS OF TIME OR COMMERCIAL LOSS, ANY OUTER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

THIS WARRANTY IS EXCLUSIBE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR INPLIED, INCLUDING BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

While great effort has been made to provide accurate guidelines VINOTEMP cannot warrant its units to properly cool a particular enclosure. Customers are cautioned that enclosure construction, unit location and many other factors can affect the operation and performance of the unit. There for suitability of the unit for a specific enclosure or application must be determined by the customer and cannot be warranted by VINOTEMP.