



INSTALLATION INSTRUCTION, PARTS LIST AND CONFIGURATION GUIDE

BLIZZARD GLYCOL CHILLER

MODEL GC1.5HPxP1PHZ

MODEL GC2.0HPxP1PHZ

MODEL GC1.5HPxP3PHZ

MODEL GC2.0HPxP3PHZ

MODEL GC3.0HPxP3PHZ

MODEL GC4.0HPxP3PHZ



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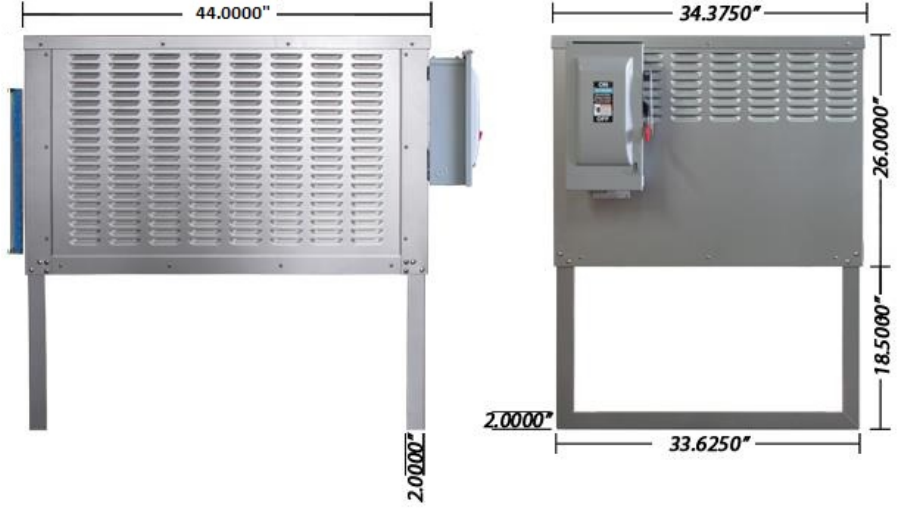
THIS DOCUMENT CONTAINS IMPORTANT INFORMATION

THIS MANUAL MUST BE READ AND UNDERSTOOD BEFORE THE INSTALLATION AND OPERATION OF THIS UNIT.

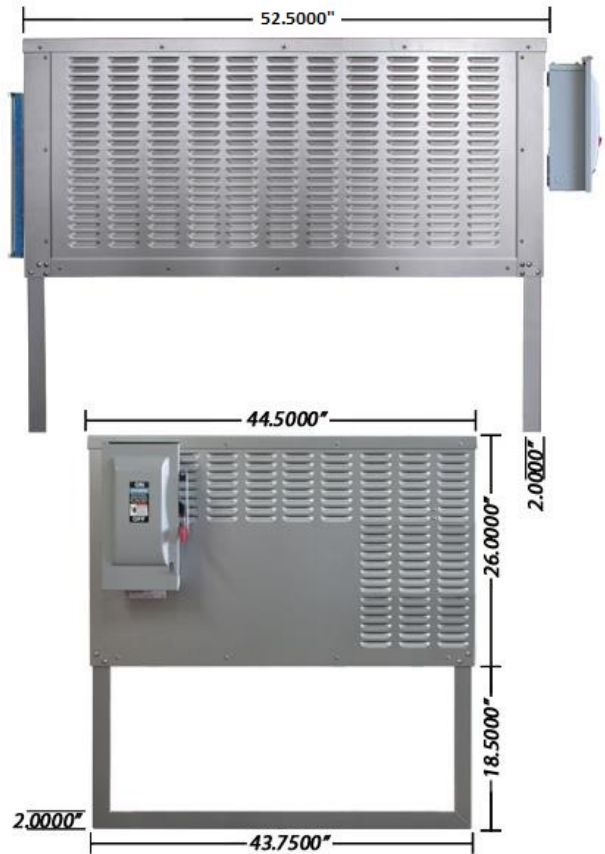
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1. CHILLER DIMENSIONS

MODEL GC1.5HPxP1PHZ
MODEL GC2.0HPxP1PHZ
MODEL GC1.5HPxP3PHZ
MODEL GC2.0HPxP3PHZ



MODEL GC3.0HPxP3PHZ
MODEL GC4.0HPxP3PHZ



2. ELECTRICAL / WEIGHT / DIMENSIONS / REFRIGERATION

R507A

Model No.	Volts	Hertz	Phase	Amp	Weight	Length	Width	Height	Ref. LBs
GC1.5HP1P1PHz	208V	/ 60Hz	/ 1PHz	16.70 MCC	514 lbs	47"	34"	45"	9lbs
GC1.5HP2P1PHz	208V	/ 60Hz	/ 1PHz	19.00 MCC	533 lbs	47"	34"	45"	9lbs
GC1.5HP3P1PHz	208V	/ 60Hz	/ 1PHz	21.30 MCC	552 lbs	47"	34"	45"	9lbs
GC1.5HP4P1PHz	208V	/ 60Hz	/ 1PHz	23.60 MCC	571 lbs	47"	34"	45"	9lbs
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GC2.0HP1P1PHz	208V	/ 60Hz	/ 1PHz	24.50 MCC	514 lbs	47"	34"	45"	9lbs
GC2.0HP2P1PHz	208V	/ 60Hz	/ 1PHz	26.80 MCC	533 lbs	47"	34"	45"	9lbs
GC2.0HP3P1PHz	208V	/ 60Hz	/ 1PHz	29.10 MCC	552 lbs	47"	34"	45"	9lbs
GC2.0HP4P1PHz	208V	/ 60Hz	/ 1PHz	31.40 MCC	571 lbs	47"	34"	45"	9lbs
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GC1.5HP1P3PHz	208V	/ 60Hz	/ 3PHz	13.60 MCC	514 lbs	47"	34"	45"	9lbs
GC1.5HP2P3PHz	208V	/ 60Hz	/ 3PHz	15.90 MCC	533 lbs	47"	34"	45"	9lbs
GC1.5HP3P3PHz	208V	/ 60Hz	/ 3PHz	18.20 MCC	552 lbs	47"	34"	45"	9lbs
GC1.5HP4P3PHz	208V	/ 60Hz	/ 3PHz	20.50 MCC	571 lbs	47"	34"	45"	9lbs
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GC2.0HP1P3PHz	208V	/ 60Hz	/ 3PHz	18.30 MCC	514 lbs	47"	34"	45"	9lbs
GC2.0HP2P3PHz	208V	/ 60Hz	/ 3PHz	20.60 MCC	533 lbs	47"	34"	45"	9lbs
GC2.0HP3P3PHz	208V	/ 60Hz	/ 3PHz	22.90 MCC	552 lbs	47"	34"	45"	9lbs
GC2.0HP4P3PHz	208V	/ 60Hz	/ 3PHz	25.20 MCC	571 lbs	47"	34"	45"	9lbs
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GC3.0HP1P3PHz	208V	/ 60Hz	/ 3PHz	26.10 MCC	630 lbs	54"	44"	45"	11lbs
GC3.0HP2P3PHz	208V	/ 60Hz	/ 3PHz	28.40 MCC	649 lbs	54"	44"	45"	11lbs
GC3.0HP3P3PHz	208V	/ 60Hz	/ 3PHz	30.70 MCC	668 lbs	54"	44"	45"	11lbs
GC3.0HP4P3PHz	208V	/ 60Hz	/ 3PHz	33.00 MCC	687 lbs	54"	44"	45"	11lbs
GC3.0HP5P3PHz	208V	/ 60Hz	/ 3PHz	35.30 MCC	706 lbs	54"	44"	45"	11lbs
GC3.0HP6P3PHz	208V	/ 60Hz	/ 3PHz	37.60 MCC	725 lbs	54"	44"	45"	11lbs
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GC4.0HP1P3PHz	208V	/ 60Hz	/ 3PHz	33.70 MCC	630 lbs	54"	44"	45"	13lbs
GC4.0HP2P3PHz	208V	/ 60Hz	/ 3PHz	36.00 MCC	649 lbs	54"	44"	45"	13lbs
GC4.0HP3P3PHz	208V	/ 60Hz	/ 3PHz	38.30 MCC	668 lbs	54"	44"	45"	13lbs
GC4.0HP4P3PHz	208V	/ 60Hz	/ 3PHz	40.60 MCC	687 lbs	54"	44"	45"	13lbs
GC4.0HP5P3PHz	208V	/ 60Hz	/ 3PHz	42.90 MCC	706 lbs	54"	44"	45"	13lbs
GC4.0HP6P3PHz	208V	/ 60Hz	/ 3PHz	45.20 MCC	725 lbs	54"	44"	45"	13lbs

MCC = Maximum Continuous Current



Intertek
4007182

Installation

- 1) Remove the unit from shipping carton/crate and visually check for any damage that may have occurred during shipping. Report all damage to carrier immediately.
- 2) Locate the unit in a well ventilated area with a dedicated 208 Volt, single or three phase (depending on the model number) grounded power source.
- 3) Place the unit on treated 4" x 4" lumber making sure that the unit is level. (Important: Do not energize unit at this time.)
- 4) Install "Cold Out" recirculating line on the male ½" barb quick disconnect fitting (located underneath the unit) labeled "OUT", and then the "Return Line" on the ½" barb quick disconnect fitting labeled "IN".
- 5) Locate the On/Off refrigeration switch and the On/Off Pump Switches. Make sure they are placed in the off position before powering on the unit. (They are located inside the unit. Please remove the top lid to get inside)

Operation

- 1) Mix proper ratio of (50%) Propylene Glycol and (50%) Distilled water into a container of your choosing.
- 2) Make certain that all installation connections have been clamped properly with oetiker clamps.
- 3) Loosen the large blue wing nut located at the center of the glycol tank.
- 4) Begin filling the glycol tank with the mixed glycol you made in step 1 until it is 1" from the top of the tank.
- 5) With the Refrigeration and Glycol Pump(s) toggle switches in the off positions, turn on the power to the machine.
- 6) Turn on Glycol Pump 1 to fill the line. Add the premixed glycol to the tank as needed until you have primed the entire line for Pump 1.
- 7) Repeat step 6 for all over Glycol Pumps.
- 8) Turn on the Refrigeration switch to have the compressor turn on.
- 9) Make sure you set the temperature dial on the control board to the correct off temperature as desired.