

#### **CLIMAGUARD AIR-TO-WATER INDOOR**



WCHE01 2968 BTU/Hr. 870 Watts

WCHE04/WCHE06 7506/10577 BTU/Hr. 2200/3100 Watts

WCHE14 22861 BTU/Hr. 6700 Watts

### **INDUSTRY STANDARDS**

UL/cUL Listed; Type 12; File No. SA33866

EAC (230V models only)

### **APPLICATION**

- · Industrial process controls
- Industrial robotics controls
- Electronic cabinets in harsh environments
- Conveyor systems

#### **FEATURES**

- Capacities ranging from 870 watts to 6700 watts
- Filterless design
- NEMA power cord connection standard
- Copper pipe and aluminum fins heat exchanger core Air movers with thermal protection
- Regulating mechanical thermostat set at 35 C (95 F), differential of 4 C (7 F)
- Inside cabinet temperature from 10-50 C (50-122 F)
  Ambient operating temperature range from 10-70 C (50-158 F)
- Solenoid water valve
- UL Listed to save customers time and money with agency approvals
- Recovery of condensation system and condensation discharge
- Requires an available cooled water source

**FINISH** 

- Standard models constructed of rugged steel
- RAL 7035 light-gray, powder-coat polyester paint

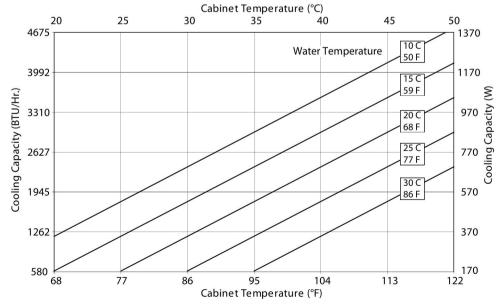
THERMAL MANAGEMENT



## Performance Data WCHE01 Models 870 Watt

remormance Data WCHEUT Woders 670 Watt			
CATALOG NUMBER	WOLFOAAAAA	WOLFSTOOLS	
OOOLING DEDECOMANGE	WCHE01916002	WCHE01926002	
COOLING PERFORMANCE			
Nominal:	2060	2070	
BTU/Hr. @ At 25 C	2968	2968	
Watts @ $\Delta$ t 25 C	870	870	
Refrigerant	NA	NA	
Refrigerant Charge (ounces/grams)	NA	NA	
Inside Cabinet Temperature Range:			
Maximum (°F/°C)	122/50	122/50	
Minimum (°F/°C)	50/10	50/10	
Ambient Operating Temperature Range:			
Maximum (°F/°C)	158/70	158/70	
Minimum (°F/°C)	50/10	50/10	
Flow at 0 Static Pressure:			
Internal loop 50 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	194/330	194/330	
External loop 50 Hz (Waterflow: GPM @ 95 F)	0.66	0.66	
Internal loop 60 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	194/330	194/330	
External loop 60 Hz (Waterflow: GPM @ 95 F)	0.66	0.66	
ELECTRICAL DATA			
Rated Voltage	115	230	
Frequency (Hz)	50/60	50/60	
Operating Range	+/- 10%	+/- 10%	
Max. Power Consumption (W at 50/60 Hz)	28	28	
Max. Nominal Current (A at 50/60 Hz)	0.5	0.5	
Starting Current (Amps)	0.7	0.7	
Agency Approvals	UL/cUL Listed	UL/cUL Listed	
Agency Approvato	CE	CE	
		EAC	
Power Input Description	Cord with NEMA 5-15 plug	Cord with NEMA 6-15 plug	
ENCLOSURE PROTECTION	· •		
UL Type	Type 12/IP55	Type 12/IP55	
CONTROLLER		· ·	
Description	Basic Mechan	ical Thermostat	
Thermostat Location	Behind front co	Behind front cover, near the fan	
Factory Thermostat Setting (°F/°C)	95/35	95/35	
SOUND LEVEL	- W 2 2	- W - S	
At 1.0 Meters	58 dBA	58 dBA	
UNIT CONSTRUCTION			
Material	Mild Steel Sheet Metal Standard		
Finish	RAL 7035 light-grav. semi-text	RAL 7035 light-gray, semi-textured powder-coat paint standard	
JNIT DIMENSIONS			
Height (in./mm)	15.9/404	15.9/404	
Width (in./mm)		12.12/308	
Wigin (in./mm)	12.12/308		
Depth (in./mm)	12.12/308 4.49/114	4.49/114	

## Performance Curves for WCHE01 Models 870 Watt

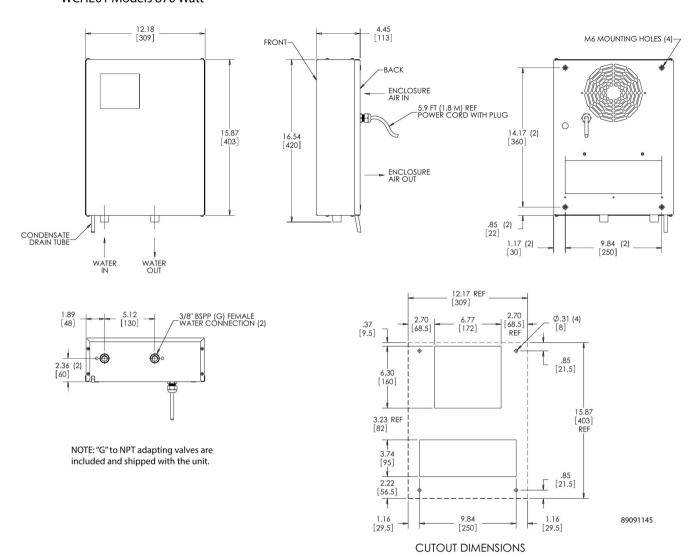








## WCHE01 Models 870 Watt



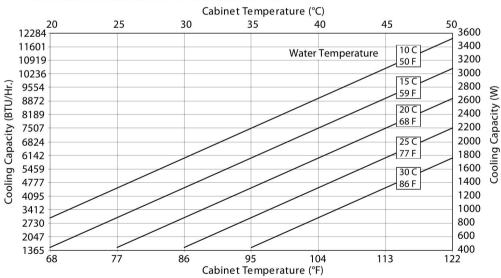
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### Performance Data WCHE04 Models 2200 Watt

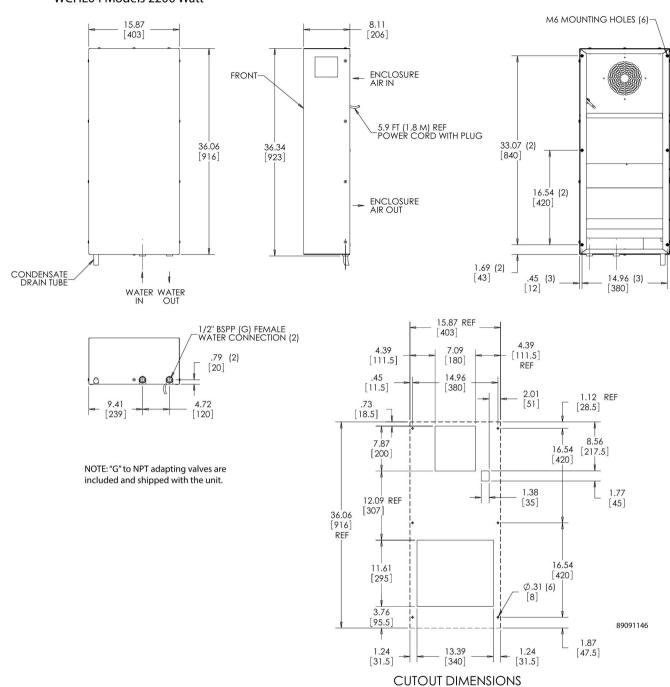
remoninance Data WCHEU4 Models 2200 Watt			
CATALOG NUMBER	WOLIED 4014 000	WOLLED 400 C000	
COOLING PERFORMANCE	WCHE04916002	WCHE04926002	
Nominal:			
BTU/Hr. @ At 25 C	7506	7506	
	2200	2200	
Watts @ Δt 25 C Refrigerant			
	NA NA	NA	
Refrigerant Charge (ounces/grams)	NA	NA	
Inside Cabinet Temperature Range:	100/50	100/50	
Maximum (°F/°C)	122/50	122/50	
Minimum (°F/°C)	50/10	50/10	
Ambient Operating Temperature Range:			
Maximum (°F/°C)	158/70	158/70	
Minimum (°F/°C)	50/10	50/10	
Flow at 0 Static Pressure:			
Internal loop 50 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	339/575	339/575	
External loop 50 Hz (Waterflow: GPM @ 95 F)	0.66	0.66	
Internal loop 60 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	339/575	339/575	
External loop 60 Hz (Waterflow: GPM @ 95 F)	0.66	0.66	
ELECTRICAL DATA			
Rated Voltage	115	230	
Frequency (Hz)	50/60	50/60	
Operating Range	+/- 10%	+/- 10%	
Max. Power Consumption (W at 50/60 Hz)	90	90	
Max. Nominal Current (A at 50/60 Hz)	0.8	0.8	
Starting Current (Amps)	1	1	
Agency Approvals	UL/cUL Listed	UL/cUL Listed	
Agency Approvais	CE	CE	
		EAC	
Power Input Description	Cord with NEMA 5-15 plug	Cord with NEMA 6-15 plug	
ENCLOSURE PROTECTION			
UL Type	Type 12/IP55	Type 12/IP55	
CONTROLLER	.,,,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Description	Basic Mechani	cal Thermostat	
Thermostat Location	Behind front cover, near the fan		
Factory Thermostat Setting (°F/°C)	95/35	95/35	
SOUND LEVEL	7-5/-0-0		
At 1.0 Meters	58 dBA	58 dBA	
UNIT CONSTRUCTION	00 dBA	00 000	
Material	Mild Staal Shaa	t Metal Standard	
Finish		Mild Steel Sheet Metal Standard RAL 7035 light-gray, semi-textured powder-coat paint standard	
JNIT DIMENSIONS	KAL 7033 light-gray, Sellil-textt	neu powder-coat panit standard	
Height (in./mm)	36.41/925	36.41/925	
Width (in./mm)	15.75/400	15.75/400	
Depth (in./mm)	8.07/205	8.07/205	
	8.07/205 44.1/20	8.07/205 44.1/20	
Weight (lb./kg)	44.1/20	44.1/20	

#### Performance Curves for WCHE04 Models 2200 Watt





## WCHE04 Models 2200 Watt



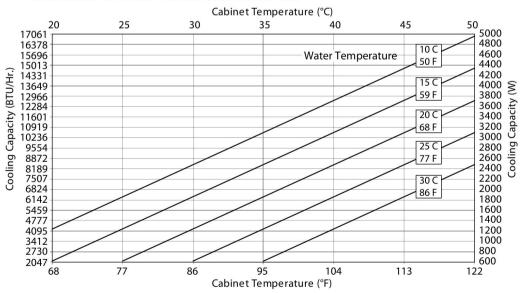
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#### Performance Data WCHE06 Models 3100 Watt

Performance Data WCHEU0 Models 3 100 Wat	L .		
CATALOG NUMBER			
	WCHE06916002	WCHE06926002	
COOLING PERFORMANCE			
Nominal:			
BTU/Hr. @ Δt 25 C	10577	10577	
Watts @ Δt 25 C	3100	3100	
Refrigerant	NA	NA	
Refrigerant Charge (ounces/grams)	NA	NA	
Inside Cabinet Temperature Range:			
Maximum (°F/°C)	122/50	122/50	
Minimum (°F/°C)	50/10	50/10	
Ambient Operating Temperature Range:			
Maximum (°F/°C)	158/70	158/70	
Minimum (°F/°C)	50/10	50/10	
Flow at 0 Static Pressure:			
Internal loop 50 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	507/860	507/860	
External loop 50 Hz (Waterflow: GPM @ 95 F)	2.2	2.2	
Internal loop 60 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	507/860	507/860	
External loop 60 Hz (Waterflow: GPM @ 95 F)	2.2	2.2	
ELECTRICAL DATA	2.2	2.2	
Rated Voltage	115	230	
Frequency (Hz)	50/60	50/60	
Operating Range	+/- 10%	+/- 10%	
Max. Power Consumption (W at 50/60 Hz)	110	115	
Max. Nominal Current (A at 50/60 Hz)	2	1	
Starting Current (Amps)	2.4	1.2	
	UL/cUL Listed	UL/cUL Listed	
Agency Approvals	CE	CE	
	OL.	EAC	
Power Input Description	Cord with NEMA 5-15 plug	Cord with NEMA 6-15 plug	
ENCLOSURE PROTECTION			
UL Type	Type 12/IP55	Type 12/IP55	
CONTROLLER	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Description	Basic Mechani	cal Thermostat	
Thermostat Location		Behind front cover, near the fan	
Factory Thermostat Setting (°F/°C)	95/35	95/35	
SOUND LEVEL	70,00	70,00	
At 1.0 Meters	58 dBA	58 dBA	
UNIT CONSTRUCTION	00 dbA	00 001	
Material	Mild Steel Sheet Metal Standard		
Finish		RAL 7035 light-gray, semi-textured powder-coat paint standard	
UNIT DIMENSIONS	ICAL 7000 light gray, Selli-text	nea ponaci coat paint standard	
Height (in./mm)	36.41/925	36.41/925	
Width (in./mm)	15.75/400	15.75/400	
Depth (in./mm)	8.07/205	8.07/205	
Weight (lb./kg)	46.3/21	46.3/21	
weight (ib./kg)	40.3/21	40.3/21	

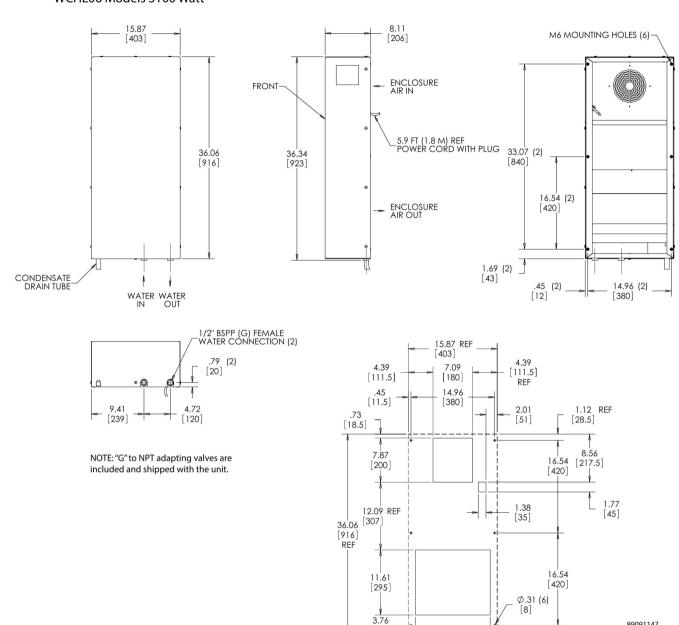
## Performance Curves for WCHE06 Models 3100 Watt







# WCHE06 Models 3100 Watt



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[95.5]

1.24

[31.5]

13.39

[340] **CUTOUT DIMENSIONS**  89091147

1.87 [47.5]

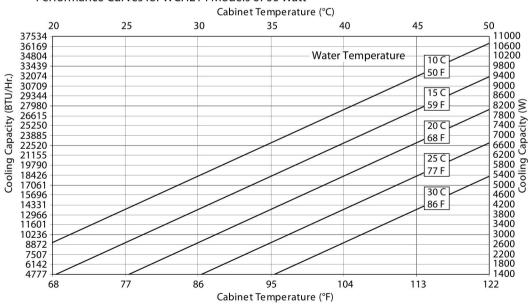
1.24 [31.5]



### Performance Data WCHE14 Models 6700 Watt

remonitance Data WCHE14 Models 0700 Wat	<u>į</u>		
CATALOG NUMBER	WOLIE4 404 5000	WOULEAAOOCOOG	
OOOLING REPEOPMANIOE	WCHE14916002	WCHE14926002	
COOLING PERFORMANCE			
Nominal:	00044	00044	
BTU/Hr. @ Δt 25 C	22861	22861	
Watts @ Δt 25 C	6700	6700	
Refrigerant	NA	NA	
Refrigerant Charge (ounces/grams)	NA	NA	
Inside Cabinet Temperature Range:			
Maximum (°F/°C)	122/50	122/50	
Minimum (°F/°C)	50/10	50/10	
Ambient Operating Temperature Range:			
Maximum (°F/°C)	158/70	158/70	
Minimum (°F/°C)	50/10	50/10	
Flow at 0 Static Pressure:			
Internal loop 50 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	855/1450	855/1450	
External loop 50 Hz (Waterflow: GPM @ 95 F)	3.78	3.78	
Internal loop 60 Hz (Airflow: CFM / m <sup>3</sup> /hr.)	855/1450	855/1450	
External loop 60 Hz (Waterflow: GPM @ 95 F)	3.78	3.78	
ELECTRICAL DATA	3.70	3.70	
Rated Voltage	115	230	
Frequency (Hz)	50/60	50/60	
Operating Range	+/- 10%	+/- 10%	
Max. Power Consumption (W at 50/60 Hz)	200	245	
Max. Nominal Current (A at 50/60 Hz)	2	1.3	
Starting Current (Amps)	2.4	1.4	
Agency Approvals	UL/cUL Listed	UL/cUL Listed	
Agency Approvais	CE	CE	
	GE .	EAC	
Power Input Description	Cord with NEMA 5-15 plug	Cord with NEMA 6-15 plug	
ENCLOSURE PROTECTION	COIG WILL HE MA O TO Play	Cord With NEWA C To plug	
UL Type	Type 12/IP55	Type 12/IP55	
CONTROLLER	Type 12/11 55	13pe 12/11 00	
Description	Racio Machani	cal Thermostat	
Thermostat Location		ver, near the fan	
Factory Thermostat Setting (°F/°C)	95/35	95/35	
SOUND LEVEL	73/33	93/33	
At 1.0 Meters	58 dBA	58 dBA	
UNIT CONSTRUCTION	30 UDA	JO UDA	
Material	Mild Ctool Choo	t Motol Standard	
Material Finish		Mild Steel Sheet Metal Standard RAL 7035 light-gray, semi-textured powder-coat paint standard	
FINISN UNIT DIMENSIONS	KAL /U35 light-gray, semi-textu	rea powder-coat paint standard	
	42 24/1101	42.24/1101	
Height (in./mm)	43.34/1101	43.34/1101	
Width (in./mm)	19.72/501	19.72/501	
Depth (in./mm)	11.81/300	11.81/300	
Weight (lb./kg)	86/39	86/39	

## Performance Curves for WCHE14 Models 6700 Watt

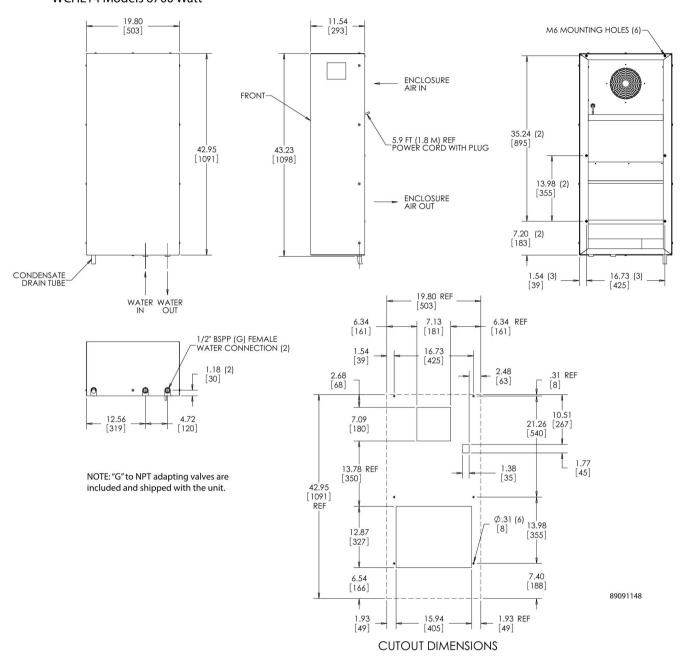








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# **Notes**

