

Job Information		Technical Data Sheet
Job Name	Stock WSHP 2023-I Generafrio	
Date	12/26/2022	
Submitted By	Kenny Ayasta	
Software Version	11.30	
Unit Tag	WSHP 36mbtu Stock	



Unit Overview									
Stock Part Number	Voltage V/Hz/Phase	Airflow CFM	Fluid Flow gpm	Cooling Capacity Btu/hr	Cooling Efficiency EER@AHRI	Cooling Efficiency EER@Design	Heating Capacity Btu/hr	Heating Efficiency COP@AHRI	Heating Efficiency COP@Design
670276434	208-230/60/1	1399	9.00	38856	16.5	14.9	44792	3.2	4.7
Unit									
Model Number:		WGCH036							
Unit Type:		SmartSource Compact - Single Stage							
Approval:		ETL, CETL, AHRI							
Configuration		Refrigerant Type		Refrigerant Weight		Loop Temperature Range			
Horizontal		R-410A		50.0 oz		Ground Loop (Geothermal)			

Unit Performance										
Air & Fluid Flow										
Airflow		Total External Static Pressure		Fluid Flow		Fluid Type		Altitude		
1399 CFM		0.20 inH ₂ O		9.00 gpm		Water		0 ft		
Cooling Performance										
Fluid Temperature		Air Temperature				Capacity		Heat of Rejection Btu/hr	EER @ design	Fluid Pressure Drop ft H ₂ O
Entering °F	Leaving °F	Entering		Leaving		Total Btu/hr	Sensible Btu/hr			
		Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F					
85.0	95.6	80.0	70.0	63.2	61.6	38856	25432	47776	14.9	16.33
Heating Performance										
Fluid Temperature		Air Temperature			Capacity	Heat of Absorption Btu/hr	COP @ design	Fluid Pressure Drop ft H ₂ O		
Entering °F	Leaving °F	Entering	Leaving	Total Btu/hr						
		Dry Bulb °F	Dry Bulb °F							
70.0	62.1	70.0	99.5	44792	35356	4.7	16.78			
Electrical										
Unit Voltage		Minimum Voltage		Total Unit Full Load Current		Total Unit MCA				
208-230/60/1		197 v		20.0 A		24.2 A				
Compressor RLA		Compressor LRA		Motor FLA		Maximum Recommended Fuse Size / HACR Breaker Size				
16.7 A		79.0 A		3.3 A		40 A				

*Short-Circuit Current = 5 kA rms symmetrical, 600 V maximum

Physical						
Unit						
Length	Height	Width	Weight		Connection	
			Shipping	Operating	Water	Condensate
48.9 in	19.0 in	21.4 in	255 lb	218 lb	0.75 in	0.75 in
Fan						
Motor Type				Motor Horsepower		
PSC - Standard Static				0.33 hp		

Unit Options
Controls

Unit Control:	Microtech III
Control Transformer:	Standard 50 VA Transformer
Thermostat / Sensor Control:	Thermostat Control

Unit Airflow Configuration

Return Air Location:	Left Hand
Discharge Air Location:	Straight

Construction Options
Drain Pan Material

Primary:	Stainless Steel
----------	-----------------

Filters

Filter Rack Type:	Standard 1-inch 2-Sided
Filter Type:	1-inch Throwaway
(Quantity) Nominal Filter Dimensions:	(1) 30 in x 18 in x 1 in

Insulation

Compressor Compartment:	1/2 inch Fiberglass, Skin-faced
Air Compartment:	1/2 inch Fiberglass, Skin-faced

Miscellaneous

Coil Treatment:	None
-----------------	------

Warranty

Unit Warranty:	1st Year Labor Allowance
----------------	--------------------------

AHRI Certification


All equipment is rated and certified in accordance with AHRI / ISO 13256-1 and tested, investigated, and determined to comply with the requirements of the standards for Heating and Cooling Equipment UL 60335-2-40 Version 2 for the United States and CAN/CSA-C22.2 NO. 60335-2-40 Version 2 for Canada.