

ENFINITY™ Heat Pump



Job Information		Technical Data Sheet
Job Name	WSHP	
Date	10/31/2016	
Submitted By	GENERAFRIO S.A.C.	
Software Version	04.90	
Unit Tag	30 000BTU (230-60-1)	



Unit Overview							
Model Number	Voltage V/Hz/Phase	Air Flow CFM	Fluid Flow gpm	Cooling Capacity Btu/hr	Cooling Efficiency EER @ design	Heating Capacity Btu/hr	Heating Efficiency COP @ design
669808300	208-230/60/1	1000	7.60	30287	14.10	37568	4.60

Unit	
Model Number:	669808300
Unit Type:	Enfinity - Horizontal, Geothermal Range
Unit Construction:	Fiberglass Insulation
Approval:	ETL, CETL, ARI
Refrigerant Type	R-410A
Refrigerant Weight	48.0 oz


Unit Performance									
Air & Water Flow									
Airflow		Total External Static Pressure		Fluid Flow		Fluid Type		Fluid Pressure Drop	
1000 CFM		0.32 inH ₂ O		7.60 gpm / 3.04 gpm/ton		Water		5.80 ft H ₂ O	
Cooling Performance									
Fluid Temperature		Air Temperature				Capacity		Heat of Rejection Btu/hr	EER @ design
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	94.9	80.0	67.0	59.5	57.0	30287	21726	37621	14.10
Heating Performance									
Fluid Temperature		Air Temperature		Capacity		Heat of Absorption Btu/hr	COP @ design		
Entering °F	Leaving °F	Entering Dry Bulb °F	Leaving Dry Bulb °F	Total Btu/hr					
70.0	62.3	70.0	104.9	37568		29411	4.60		

Electrical			
Unit Voltage	Minimum Voltage	Total Unit MCA	Total Unit Full Load Current
208-230/60/1	197 V	19.30 A	15.80 A
Compressor RLA	Compressor LRA	Motor FLA	Maximum Recommended Fuse Size / HACR Breaker Size
14.10 A	73.0 A	1.70 A	30 A

Physical						
Unit						
Length	Height	Width	Weight		Connections	
			Shipping	Operating	Water, FPT	Condensate, FPT
46.00 in	20.00 in	21.00 in	244 lb	225 lb	0.75	0.75 in
Cabinet						
Construction Type				Color		
Fiberglass Insulation				Galvanized		
Fan					Controls	
Type	Motor		Drive		Type	
	Type	Horsepower	Type			
DWDI Centrifugal	Standard PSC	0.333 hp	Direct	Microtech III - Standalone		
Airstream						
Air				Filter		
Discharge		Return		(Quantity) Height x Width x Depth		
Straight Discharge		Left Hand Return Air		(1) 19 in x 27 in x 1 in		

Options	
Heating	
Heat Exchanger:	Copper Inner Tube / Steel Outer Tube
Controls	
Control Transformer:	50VA Control Transformer

Warranty	
Unit Warranty:	Standard

AHRI Certification	
	<p>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-1995 for the United States and CAN/CSA-C22.2 NO.236 for Canada.</p>

Accessories	
Optional	
Part Number	Description
668375401	Non-Programmable, 2-Stage (2H/2C)