

# Genesis GSW Series Water to Water Heat Pumps

## Unit Features

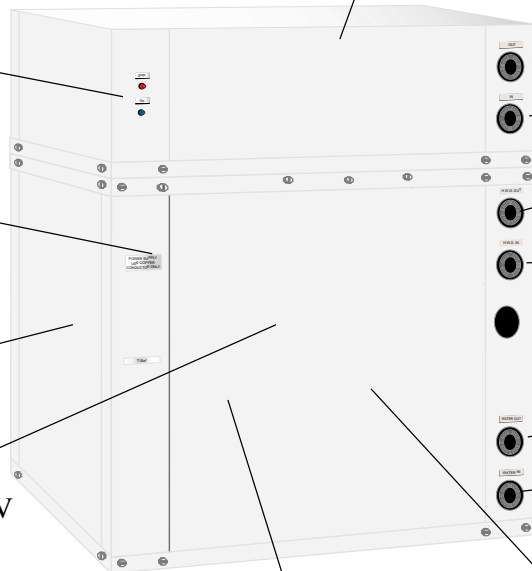
Stackable Powder Coated Heavy Gauge Galvanized Cabinet

Service Friendly  
External Operation  
and Fault Lights

High Efficiency  
Scroll Compressors

ARI/ASHRAE/ISO  
13256-2 Rated

Balanced Port TXV



Water Out, Load  
Water In, Load

Water Out, Source

Water In, HWG

Water Out, HWG

Water In, Source

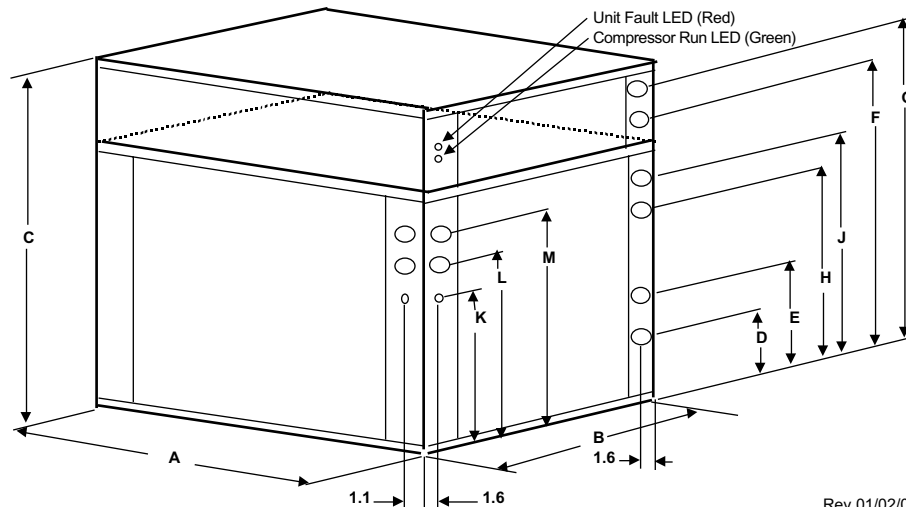
Reliable CXM/DXM Controls

Service Accessible Through  
the Front Panel

## Dimensions

Genesis Water to Water		Overall Cabinet			Water Connections						Electrical Knockouts		
		A Width	B Depth	C Height	D Source In	E HWG Out	F Load In	G Load Out	H HWG In	J Source Out	K Low Voltage	L Ext Pump	M Power Supply
036	in.	25.6	22.4	29.5	2.4	5.4	22.7	26.1	13.9	16.9	5.6	9.6	12.1
	cm.	65.1	56.8	74.9	6.1	13.7	57.5	66.3	35.3	42.9	15.2	24.1	30.5
060	in.	30.6	25.4	33.0	2.4	5.4	26.8	30.9	15.6	18.9	8.1	11.6	14.1
	cm.	77.8	64.5	83.8	6.1	13.7	68.1	78.4	40.4	48.0	20.3	29.2	35.6

Rev: 2/27/01M



Rev 01/02/01

# Specifications

Genesis Model	036	060
Compressor	Scroll	Scroll
Factory Charge	48	64
Weight - Operating (lbs.)	236	343
Weight - Packaged (lbs.)	255	362
<b>Water Connection Size Indoor</b>		
Swivel - Residential Class	1"	1"
FPT - All Other	3/4"	1"
<b>HWG Water Connection Size</b>		
Swivel - Residential Class	1"	1"
FPT - All Other	1/2"	1/2"
<b>Water Connection Size Outdoor</b>		
Swivel - Residential Class	1"	1"
FPT - All Other	3/4"	1"

## Features:

Spring mounted scroll compressor.  
Balanced Port Expansion Valve.  
Insulated Indoor and Outdoor Water Coils.  
Compressor on (Green) and Fault (Red) Light.  
Insulated Refrigerant Lines (Except compressor discharge).  
CXM or DXM Microprocessor Controller.

Rev.: 2/15/01M

## Residential Unit



# Electrical

Model	Product Class	Rated Voltage	Voltage Min/Max	Compressor		Optional Pumps		Total Unit FLA	Min Circ Amp	Max Fuse/HACR
						HWG	Source			
				RLA	LRA	FLA	FLA			
036	Residential	208-230/60/1	197/254	15.0	73.0	0.4	4.0	19.4	23.2	35
036	Commercial	208-230/60/1	197/254	15.0	73.0	-	-	15.0	18.8	30
		265/60/1	239/292	14.3	71.0	-	-	14.3	17.9	30
		208-230/60/3	197/254	10.7	63.0	-	-	10.7	13.4	20
		460/60/3	414/506	5.0	31.0	-	-	5.0	6.3	15
060	Residential	208-230/60/1	197/254	28.0	169.0	0.4	4.0	32.4	39.4	60
060	Commercial	208-230/60/1	197/254	28.0	169.0	-	-	28.0	35.0	60
		208-230/60/3	197/254	19.3	123.0	-	-	19.3	24.1	40
		460/60/3	414/506	7.5	49.5	-	-	7.5	9.4	15
		575/60/3	518/633	6.4	40.0	-	-	6.4	8.0	15

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# Rated Performance Under ARI/ISO-13256-2 Conditions

MODEL	APPLICATION	COOLING PERFORMANCE									HEATING PERFORMANCE								
		CAPACITY BTUH	EER	LOAD COIL			SOURCE COIL			CAPACITY BTUH	COP	LOAD COIL			SOURCE COIL				
				GPM	PSI	FT	GPM	PSI	FT			GPM	PSI	FT	GPM	PSI	FT		
GSW036	WLHP	30400	14.7	9	5.9	13.6	9	4.7	10.9	43400	5.0	9	4	9.2	9	5.3	12.2		
	GLHP	31700	16.9	9	5.9	13.6	9	5.0	11.5	27500	3.2	9	4	9.2	9	7.8	18.0		
	GWHP	33200	21.5	9	5.9	13.6	9	5.6	12.9	35100	4.0	9	4	9.2	9	6.2	14.3		
GSW060	WLHP	44300	12.2	15	5	11.5	15	3.8	8.8	60000	3.9	15	3.4	7.9	15	4.7	10.9		
	GLHP	45200	13.8	15	5	11.5	15	4.0	9.3	40400	2.8	15	3.4	7.9	15	6.6	15.4		
	GWHP	47000	17.3	15	5	11.5	15	4.7	10.8	51800	3.5	15	3.4	7.9	15	5.2	11.9		

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## Note :

APPLICATION	Cooling		Heating	
	Load Water In	Source Water In	Load Water In	Source Water In
WLHP=Water-Loop Heat Pumps	53.6°F	86°F	104°F	68°F
GLHP=Ground-Loop Heat	53.6°F	77°F	104°F	32°F
GWHP=Ground-Water Heat Pumps	53.6°F	59°F	104°F	50°F

Rev.: 2/27/01E



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