



PINNACLE

Submittal Data: SC-30WPL-HP230 / SC-30ZPL-HP230 30,000 BTU/H Wall Mounted Heat- Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	<input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction
Unit Designation	Schedule No.	

- GENERAL FEATURES**
- Variable Speed (Inverter) Two-Stage/3 Cylinder Compressor
 - Ultra Heating (down to -31° F)
 - Ultra Cooling (0°F to 115° F)
 - WiFi Controls
 - 4 Indoor Fan Speeds
 - 2 Way Airflow Operation
 - Wireless Remote with LCD Display
 - Copper Tube/Aluminum Fins w/ Acrylic Resin Anti-Corrosion
 - Energy Saving Mode



System Ratings	Indoor Unit Data
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Cooling	
Rated Capacity	28,000 BTU/H
Capacity Range Power	5,500 -30,700 BTU/H
Input (Max)	3,650 W
SEER	23
EER	11.2

Fan Motor	Type	Cross-flow
	Output Power	70 W
	FLA	0.4 A
Airflow	(Low/High)	441/824 CFM
Air Throw	(Max)	31 ft
Sound Pressure Levels for All Settings		
	Cooling & Heating	65/60/56/47 dB(A)
Dehumidification		6.34 pt/hr

Heating at 47° F	
Rated Capacity	28,800 BTU/H
Capacity Range	4,400 -35,200 BTU/H
Power Input (Max)	5,800 W
HSPF	10.5
COP	3.11

Outdoor Unit Data		
Compressor	Type	DC Inverter Driven 2-Stage Rotary
	RLA	23 A
Fan Motor	Output Power	170 W
	RLA	0.73 A
Sound Pressure Level		61 dB(A)

Heating at 17° F	
Rated Capacity	28,800 BTU/H

Operating Range			
Cooling	(Max)	115°F(46°C)	
	(Min)	0°F(-18°C)	
Heating	(Max)	75°F (24°C)	
	(Min)	-31°F(-35°C)	

Refrigerant Piping Data		
Gas Pipe Size (OD)		5/8-in
Liquid Pipe Size (OD)		1/4-in
Connection Method		Flared
Factory Charge		123.5 oz
Additional Charge		0.30 oz/ft
Pre-Charge Length		25-ft
MAX Refrigerant Pipe Length		165-ft
MIN Refrigerant Pipe Length		10-ft
MAX Refrigerant Pipe Elevation		100-ft

Power Supply	
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
Main Power Wire Size	8-2 AWG
Interconnecting Cable Wire Size	14-4 AWG
MCA	30 A
MOCP/Breaker Size	50 A



Features & Function Summary**SC-30WPL-HP230**

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Two Stage Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Indoor & Outdoor Fin Coating	Acrylic Resin/Anti-Corrosion
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface	NO
WIFI Included	YES
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
Indoor Unit Display	YES
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	NO
Display On/Off Control	YES

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient Temperature (DB) °F	Indoor Entering Air Temperatures					
	68F DB		73°F DB		80°F DB	
	57F WB		61°FWB		67°FWB	
	TC	SHC	TC	SHC	TC	SHC
0°F	9520	6902	11760	8526	14000	10150
5°F	10920	7972	13160	9607	15400	11242
14°F	12320	9055	14560	10702	16800	12348
23°F	12880	9531	15120	11189	17360	12846
32°F	13440	10013	15680	11682	17920	13350
41°F	15120	11340	17360	13020	19600	14700
50°F	16800	12684	19040	14375	21280	16066
59°F	17920	13619	20160	15322	22400	17024
68°F	18760	14351	21000	16065	23240	17779
77°F	23520	18110	25760	19835	28000	21560
86°F	26040	20181	28280	21917	30520	23653
95°F	23520	18346	25760	20093	28000	21840
104°F	22120	17364	24360	19123	26600	20881
113°F	19320	15263	21560	17032	23800	18802

MAX HEAT

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures		
	68°F DB	73°F DB	80°F DB
	57°FWB	61°FWB	67°FWB
	TC	TC	TC
-31°F	17651	17220	16790
-22°F	20521	20090	19660
-13°F	23391	22960	22530
-4°F	26261	25830	25400
0°F	27696	27265	26835
6°F	29131	28700	28270
10°F	29131	28700	28270
17°F	29131	28700	28270
19°F	29131	28700	28270
24°F	29131	28700	28270
32°F	29131	28700	28270
41°F	29131	28700	28270
43°F	29705	29274	28844
47°F	29061	28700	28453
53°F	28090	27728	27482
59°F	27242	26904	26693
64°F	25904	25662	25296
70°F	24422	24132	23861
75°F	22983	22681	22435
78°F	22320	21800	21439

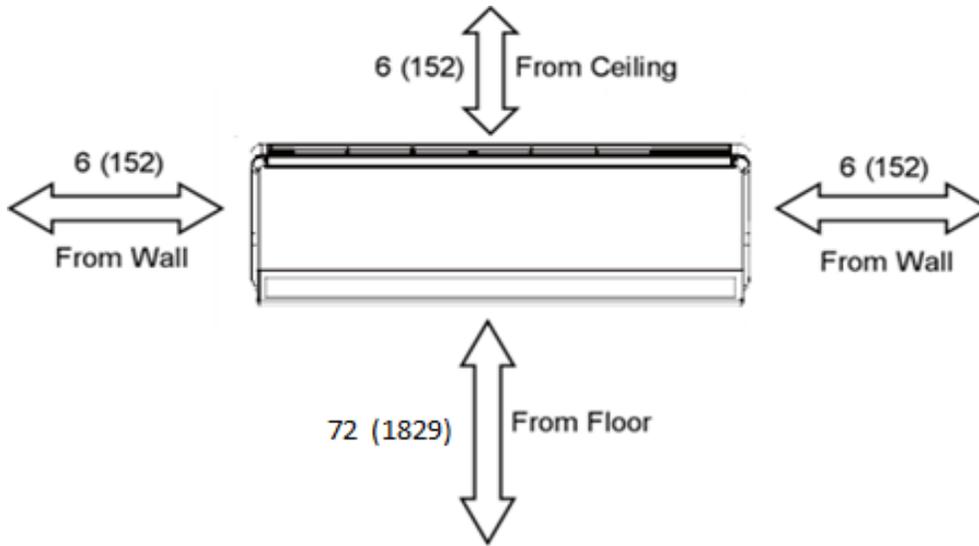
* Maximum system capacity

TC- Total Capacity (BtuH)

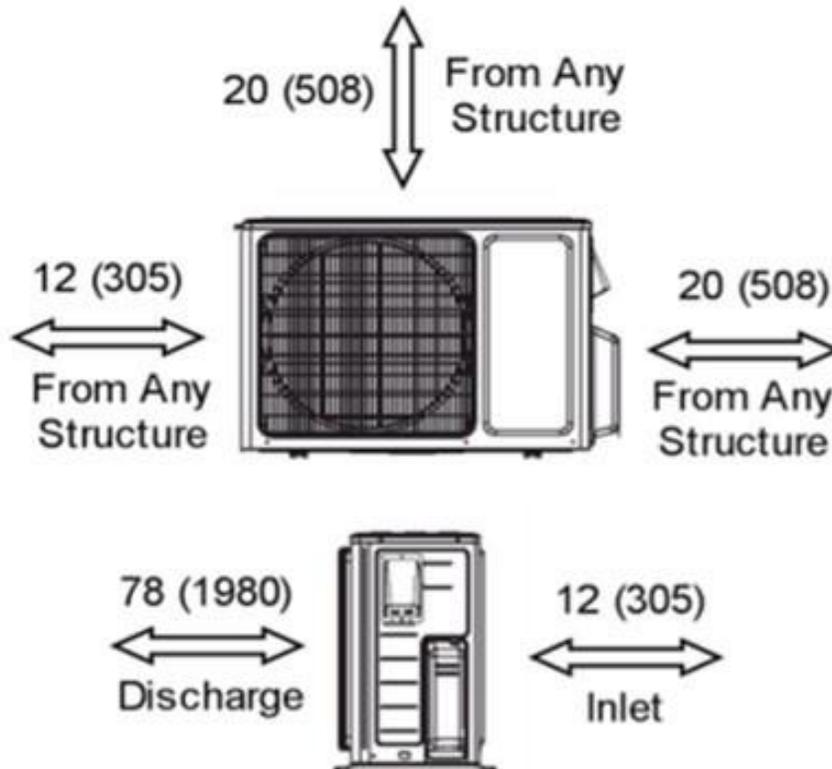
SHC- Sensible Capacity (BtuH)

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



MINIMUM OUTDOOR CLEARANCES

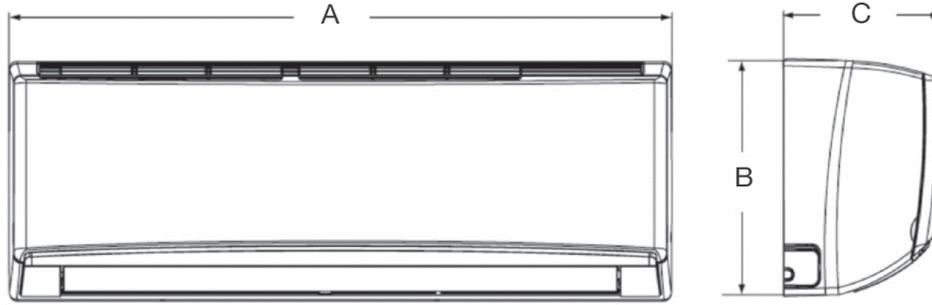


DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Units: inch

Model No: SC-30WPL-HP230



Dimensions	
A	53.1
B	12.8
C	10.0

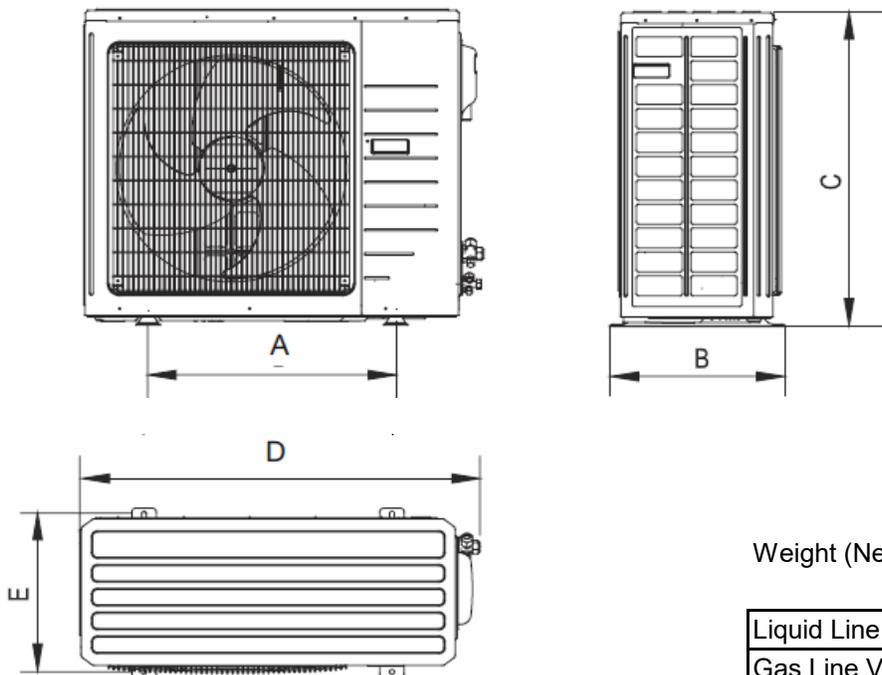
Weight (Net/Gross) 41.9/51.8 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: SC-30ZPL-HP230



Dimensions	
A	23.2
B	17.3
C	43.5
D	43.5
E	15.8

Weight (Net/Gross) 229.3/240.3 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type 14 AWG-4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.