14 SEER HEAT PUMPS



Features

- Coils constructed with copper tubing and enhanced aluminum fins.
- Includes factory installed low pressure control.
- Strong, attractive cabinet—louvered design protects the coil from damage.
- Expansion Valves with Internal Check Valve—Provides for quieter refrigerant metering.
- Demand Defrost Control
- Non-Cycling Reversing Valve
- Hot Gas Muffler
- Service Valves
- Grille/motor mount for quiet fan operation.
- Easily accessible control box.
- Bi-Directional Filter Drier (shipped – not installed)
- Certified and rated under AHRI Standard 240.
- U.L listed.

Applications

WeatherKing remote heat pumps offer comfort and dependability for single, multi-family and light commercial applications.

WP14**A SERIES

Nominal Sizes 1.5 to 3.5 Tons [5.28 to 12.3 kW]
Efficiency 14 SEER/11.5 EER/8.5 HSPF

Accredited by the RvA
ABS Quality Evaluations, Inc. Management System Certification
ANAB ACCREDITED
ISO 9001:2008
Certificate Number: 30164

c UL us LISTED

AHRI CERTIFIED
www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER)
THIS MODEL 13.0
13.0 — Uses least energy →21.0

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Heat Pumps (For Reference)**

W	P	14	24	A	J	1	N	A	*
Brand	**Product Category**	**SEER**	**Capacity BTU/HR**	**Major Series***	**Voltage**	**Type**	**Controls**	**Minor Series****	**Option Code**
WeatherKing	P - Heat Pump	14 - 14 SEER	18 - 18,000 [5.28 kW] 24 - 24,000 [7.03 kW] 30 - 30,000 [8.79 kW] 36 - 36,000 [10.55 kW] 42 - 42,000 [12.31 kW]	A - 1st Design	J - 1ph, 208-230/60	1 - Single-stage	N - Non-Communicating	A - 1st Design	N/A

Air Conditioners*

W	A	13	24	A	J	1	N	A	*
Brand	**Product Category**	**SEER**	**Capacity BTU/HR**	**Major Series***	**Voltage**	**Type**	**Controls**	**Minor Series****	**Option Code**
WeatherKing	A - Air Conditioners	13 - 13 SEER 14 - 14 SEER	18 - 18,000 [5.28 kW] 24 - 24,000 [7.03 kW] 30 - 30,000 [8.79 kW] 36 - 36,000 [10.55 kW] 42 - 42,000 [12.31 kW] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 kW]	A - 1st Design	J - 1ph, 208-230/60 C - 3ph, 208-230/60 D - 3ph, 460/60	1 - Single-stage	N - Non-Communicating	A - 1st Design	N/A

Air Handlers (For Reference)**

W	H	1	T	36	17	S	T	A	N	A	A	000	*
Brand	**Product Category**	**Stages of Airflow**	**Motor Type**	**Capacity BTU/HR**	**Width**	**Coil Size**	**Metering Device**	**Major Series***	**Controls**	**Voltage**	**Minor Series****	**Factory Heat Cap**	**Option Code**
WeatherKing	H - Air Handler	1 - Single-Stage	T - Constant Torque P - PSC	24 - 24,000 [7.03 kW] 36 - 36,000 [10.55 kW] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 kW]	14 - 14" 17 - 17.5" 21 - 21" 24 - 24.5"	S - Standard Eff. M -Mid Eff. H - High Eff.	T - TEV	A - 1st Design	C -Communicating N -Non-comm	A - 1ph, 115/60 J - 1ph, 208-240/60 D - 3ph, 480/60	A - 1st Design	00 - no factory heat with option code	*TBD

[ ] Designates Metric Conversions

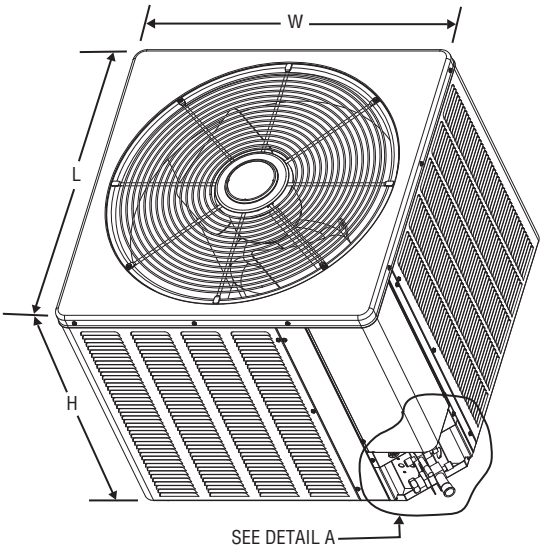
Electrical and Physical Data

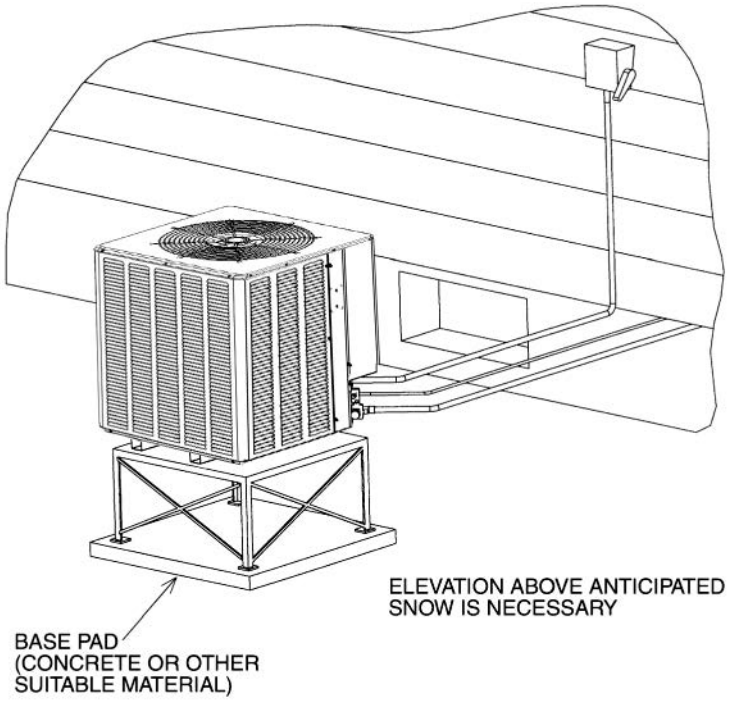
Model Number WP 14**A	ELECTRICAL							PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrig. Per Circuit Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
Rev. 3/12/10													
18	1-60-208/230	9/9	48	0.6	12/12	15/15	20/20	11.06 [1.03]	1	1700 [802]	91 [2580]	144 [65.3]	152 [68.9]
24	1-60-208/230	12.8/12.8	58.3	0.6	17/17	20/20	25/25	11.06 [1.03]	1	2370 [1118]	91 [2580]	130 [59]	138 [62.6]
30	1-60-208/230	14.1/14.1	73	0.8	19/19	25/25	30/30	13.72 [1.27]	1	2800 [1321]	101 [2863]	198 [89.8]	208 [94.3]
36	1-60-208/230	17/17	96.7	1.2	23/23	30/30	35/35	16.39 [1.52]	1	3575 [1687]	109 [3090]	215 [97.5]	227 [103]
42	1-60-208/230	21.8/21.8	112	1.2	29/29	35/35	50/50	21.85 [2.03]	1	3575 [1687]	150 [4252]	202 [91.6]	214 [97.1]

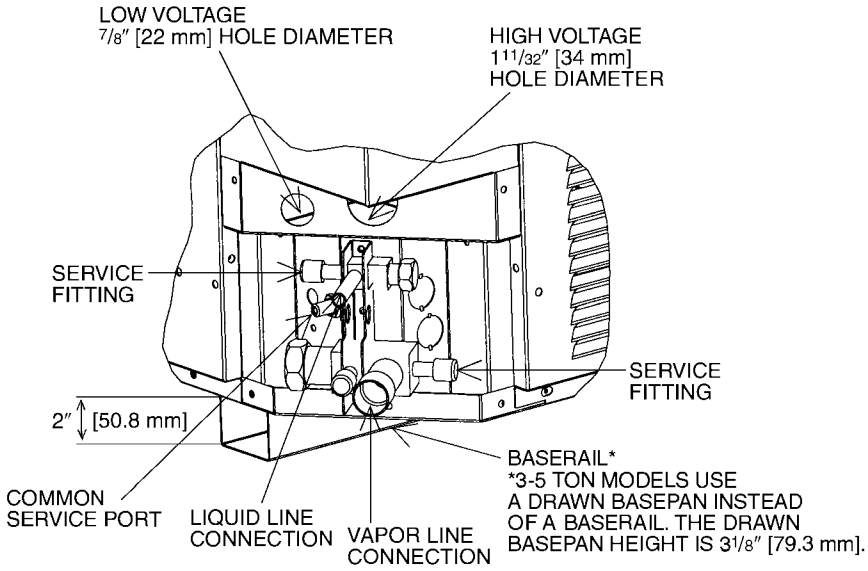
NOTES:
① 20 Fins per inch.
② Factory charged for 15 ft. line set.

[ ] Designates Metric Conversions

Unit Dimensions







DETAIL A

Model Number WA14**A	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
18, 24	26 1/4 [666.75]	23 5/8 [600.07]	23 5/8 [600.07]
30	26 1/4 [666.75]	27 5/8 [701.67]	27 5/8 [701.67]
36	27 3/8 [695.32]	31 5/8 [803.27]	31 5/8 [803.27]
42	35 3/8 [898.52]	31 5/8 [803.27]	31 5/8 [803.27]

[ ] Designates Metric Conversions

Heat Pump Refrigerant Line Size Information

System Capacity	Line Size Connection Size (Inch I.D.) [mm]	Line Size (Inch O.D.) [mm]	Liquid Line Sizing (R410A) Outdoor Unit Above or Below Indoor Coil (Heat Pumps Only)					
			Total Equivalent Length—Feet [m]					
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [38.10]	150 [45.72]
			Maximum Vertical Separation—Feet [m]					
1½ Ton	3/8" [9.53]	1/4 [6.35]	25 [7.62]	40 [12.19]	25 [7.62]	9 [2.74]	N/A	N/A
		5/16 [7.94]	25 [7.62]	50 [15.24]	62 [18.90]	58 [17.68]	53 [16.15]	49 [14.94]
		3/8* [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	72 [21.95]	70 [21.34]	68 [20.73]
2 Ton	3/8" [9.53]	1/4 [6.35]	23 [7.01]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	25 [7.62]	36 [10.97]	29 [8.84]	23 [7.01]	16 [4.88]	9 [2.74]
		3/8* [9.53]	25 [7.62]	50 [15.24]	72 [21.95]	70 [21.34]	68 [20.73]	65 [19.81]
2½ Ton	3/8" [9.53]	1/4 [6.35]	25 [7.62]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	25 [7.62]	49 [14.94]	38 [11.58]	27 [8.23]	17 [5.18]	6 [1.83]
		3/8* [9.53]	25 [7.62]	50 [15.24]	68 [20.73]	65 [19.81]	62 [18.90]	58 [17.68]
3 Ton	3/8" [9.53]	5/16 [7.94]	25 [7.62]	50 [15.24]	37 [11.28]	22 [6.71]	7 [2.13]	N/A
		3/8* [9.53]	25 [7.62]	50 [15.24]	68 [20.73]	63 [19.20]	58 [17.68]	53 [16.15]
3½ Ton	3/8" [9.53]	5/16 [7.94]	25 [7.62]	23 [7.01]	4 [1.22]	N/A	N/A	N/A
		3/8* [9.53]	25 [7.62]	50 [15.24]	43 [13.11]	36 [10.97]	30 [9.14]	24 [7.32]

NOTES:
*Standard line size
N/A = Application not recommended.

Suction Line Length/Size versus Capacity Multiplier (R-410A)						
Unit Size		1½ Ton	2 Ton	2½ Ton	3 Ton	3½ Ton
Suction Line Connection Size		3/4" [19.05] I.D.			7/8" [22.23] I.D.	
Suction Line Run—Feet [m]		5/8" [15.88 mm] O.D. Opt. 3/4" [19.05 mm] O.D. Std.*		5/8" [15.88 mm] O.D. Opt. 3/4" [19.05 mm] O.D. Std.* 7/8" [22.23 mm] O.D. Opt.	3/4" [19.05 mm] O.D. Opt. 7/8" [22.23 mm] O.D. Std.*	
25' [7.62]	Optional	1.00	1.00	1.00	1.00	1.00
	Standard	1.00	1.00	1.00	1.00	1.00
	Optional	—	—	1.00	—	—
50' [15.24]	Optional	0.98	0.98	0.96	0.98	0.99
	Standard	0.99	0.99	0.98	0.99	0.99
	Optional	—	—	0.99	—	—
100' [30.48]	Optional	0.95	0.95	0.94	0.96	0.96
	Standard	0.96	0.96	0.96	0.97	0.98
	Optional	—	—	0.97	—	—
150' [45.72]	Optional	0.92	0.92	0.91	0.94	0.94
	Standard	0.93	0.94	0.93	0.95	0.96
	Optional	—	—	0.95	—	—

NOTES:
*Standard line size
N/A = Using suction line larger than shown in chart will result in poor oil return and is not recommended.

[ ] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Heat Pump

High Sales Volume Tested Combination (HSVTC)													
Outdoor Unit	Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	47 Degree Heating Capacity BTU/H [kW]	47 Degree COP	17 Degree Heating Capacity BTU/H [kW]	17 Degree COP	Region IV HSPF	AHRI#
WP1418AJ1	WH1T2417STAN	18000 [5.3]	13500 [4.0]	4500 [1.3]	14	11.5	575 [271.4]	16600 [4.9]	3.66	10500 [3.1]	2.4	8.5	8937149
WP1424AJ1	WH1T2417STAN	23800 [7.0]	18300 [5.4]	5500 [1.6]	14	11.5	800 [377.6]	22000 [6.4]	3.66	13900 [4.1]	2.46	8.5	8937150
WP1430AJ1	WH1T3617STAN	29000 [8.5]	22000 [6.4]	7000 [2.1]	14	11.5	1025 [483.7]	26000 [7.6]	3.46	15200 [4.5]	2.20	8.5	8937152
WP1436AJ1	WH1T3617STAN	35400 [10.4]	26800 [7.9]	8600 [2.5]	14	11.5	1200 [566.3]	34200 [10.0]	3.40	21400 [6.3]	2.26	8.5	8937153
WP1442AJ1	WH1T4821STAN	40500 [11.9]	30000 [8.8]	10500 [3.1]	14	11.5	1400 [660.7]	40500 [11.9]	3.76	25800 [7.6]	2.66	8.5	8937195

Air Handler Ratings													
Outdoor Unit	Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	47 Degree Heating Capacity BTU/H [kW]	47 Degree COP	17 Degree Heating Capacity BTU/H [kW]	17 Degree COP	Region IV HSPF	AHRI#
WP1418AJ1	RHBL-FR24T	18000 [5.3]	13500 [4.0]	4500 [1.3]	14	11.5	600 [283.2]	16400 [4.8]	3.60	10000 [2.9]	2.30	8.5	8937193
	WBHP-17	17900 [5.2]	13000 [3.8]	4900 [1.4]	14	11.5	600 [283.2]	16800 [4.9]	3.70	9000 [2.6]	2.40	8.5	8937148
WP1430AJ1	RHBL-FR36T	28800 [8.4]	22100 [6.5]	6700 [2.0]	14	11.5	1000 [471.9]	28200 [8.3]	3.90	17300 [5.1]	2.60	8.5	8937194
	WBHP-21	29000 [8.5]	21500 [6.3]	7500 [2.2]	14	11.5	1000 [471.9]	26800 [7.9]	3.84	14500 [4.2]	2.60	8.5	8937151
WP1442AJ1	WBHP-24	40000 [11.7]	28200 [8.3]	11800 [3.5]	14	11.5	1400 [660.7]	42000 [12.3]	3.70	28000 [8.2]	2.66	8.5	8937154

[ ] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

WeatherKing will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Parts.....Five (5) Years

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

"In keeping with its policy of continuous progress and product improvement, WeatherKing reserves the right to make changes without notice."

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