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 5 Tons [5.28 to 17.6 kW]
Efficiency 14 SEER/11.5 EER/8.5 HSPF

ISO 9001:2008
Certificate Number: 30164

LISTED

AHRI CERTIFIED
www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240

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] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 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

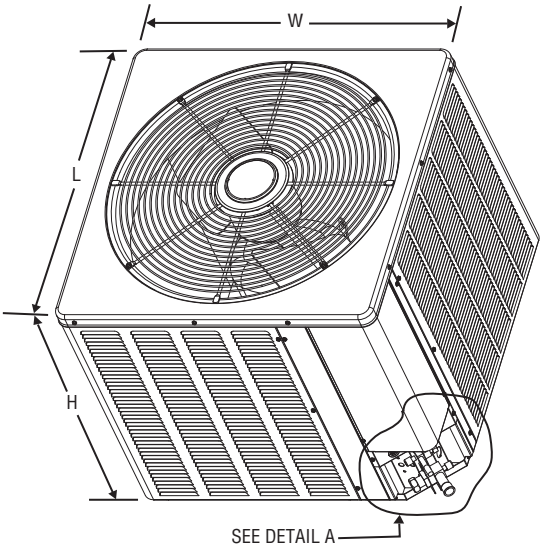
Electrical and Physical Data

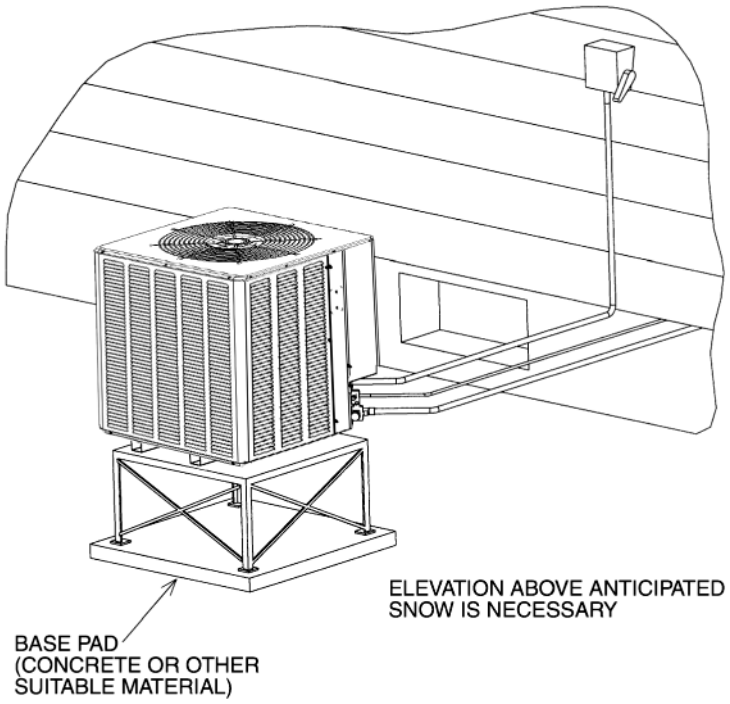
Model Number WP 14**A	ELECTRICAL							PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrig. Per Circuit Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
Rev. 11/29/2016													
18	1-60-208-230	9/9	48	0.5	12/12	15/15	20/20	11.06 [1.03]	1	1572 [742]	79 [2240]	145 [65.8]	152 [68.9]
24	1-60-208-230	12.8/12.8	58.3	0.5	17/17	20/20	25/25	11.06 [1.03]	1	2370 [1118]	79 [2240]	145 [65.8]	152 [68.9]
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]	97 [2750]	201 [91.2]	208 [94.3]
36	1-60-208-230	16.7/16.7	79	1.2	23/23	30/30	35/35	16.39 [1.52]	1	3575 [1687]	101 [2863]	207 [93.9]	214 [97.1]
42	1-60-208-230	17.9/17.9	112	1.2	24/24	30/30	40/40	21.85 [2.03]	1	3575 [1687]	140 [3969]	220 [99.8]	227 [103.0]
48	1-60-208-230	21.8/21.8	117	1.0	29/29	35/35	50/50	21.85 [2.03]	1	3575 [1687]	146 [4139]	223.5 [101.4]	230.5 [104.6]
60	1-60-208-230	26.4/26.4	134	1.7	35/35	45/45	60/60	21.85 [2.03]	2	3360 [1586]	268 [7598]	266.5 [120.9]	273.5 [124.1]

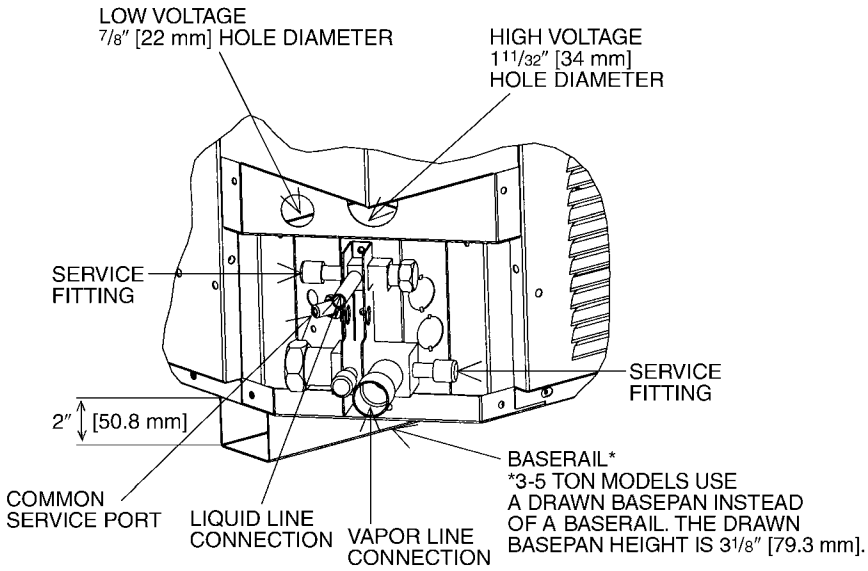
NOTES:
① 20 Fins per inch.
② Factory charged for 15 ft. line set.

[ ] Designates Metric Conversions

Unit Dimensions







DETAIL A

Model Number WP14	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
18, 24	26 1/4 [666.75]	23 5/8 [600]	23 5/8 [600]
30	26 1/4 [666.75]	27 5/8 [702]	27 5/8 [702]
36	27 3/8 [695.32]	31 5/8 [803]	31 5/8 [803]
42, 48, 60	35 3/8 [898.52]	31 5/8 [803]	31 5/8 [803]

[ ] Designates Metric Conversions

Heat Pump Refrigerant Line Size Information

R-410A System Capacity Model	Liquid Line Connection Size (Inch I.D.) [mm]	Liquid Line Size (Inch O.D.) [mm]	Liquid Line Size Elevation (Above or Below) Indoor Coil — Total **Equivalent** Length - Feet [m]											
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [45.72]	150 [45.72]	175 [53.34]	200 [60.96]	225 [68.58]	250 [76.20]	275 [83.82]	300 [91.44]
			Maximum Vertical Separation – Feet [m]											
1.5 Ton	3/8" [9.53]	1/4 [6.35]	25 [7.62]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	50 [15.24]	70 [21.34]	55 [16.76]	40 [12.19]	30 [9.14]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	90 [27.43]	85 [25.91]	80 [24.38]	75 [22.86]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	95 [28.96]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	85 [25.91]	85 [25.91]	85 [25.91]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	95 [28.96]	95 [28.96]	95 [28.96]
2 Ton	3/8" [9.53]	1/4 [6.35]	20 [6.10]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	50 [15.24]	40 [12.19]	20 [6.10]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	75 [22.86]	65 [19.81]	60 [18.29]	55 [16.76]	45 [13.72]	40 [12.19]	30 [9.14]	25 [7.62]	20 [6.10]
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	90 [27.43]	90 [27.43]	85 [25.91]	80 [24.38]	80 [24.38]	75 [22.86]	75 [22.86]	70 [21.34]	65 [19.81]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	95 [28.96]	95 [28.96]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	90 [27.43]	85 [25.91]	85 [25.91]
2.5 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	40 [12.19]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	65 [19.81]	55 [16.76]	45 [13.72]	35 [10.67]	25 [7.62]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	80 [24.38]	75 [22.86]	70 [21.34]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	90 [27.43]	90 [27.43]	85 [25.91]	85 [25.91]	80 [24.38]	80 [24.38]	80 [24.38]	75 [22.86]	75 [22.86]
3 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	10 [3.05]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	50 [15.24]	35 [10.67]	20 [6.10]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	70 [21.34]	65 [19.81]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	35 [10.67]	25 [7.62]	20 [6.10]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	80 [24.38]	80 [24.38]	75 [22.86]	75 [22.86]	70 [21.34]	65 [19.81]	65 [19.81]	60 [18.29]	60 [18.29]
3.5 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	30 [9.14]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	60 [18.29]	55 [16.76]	45 [13.72]	40 [12.19]	30]	25 [7.62]	15 [4.57]	10 [3.05]	**N/R**	**N/R**
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	70 [21.34]	65 [19.81]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	50 [15.24]	45 [13.72]	40 [12.19]
4 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	30 [9.14]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	50 [15.24]	40 [12.19]	30 [9.14]	15 [4.57]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1/2 [12.71]	25 [7.62]	50 [15.24]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	35 [10.67]	30 [9.14]	25 [7.62]	20 [6.10]
5 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	20 [6.10]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	45 [13.72]	30 [9.14]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1/2 [12.71]	25 [7.62]	50 [15.24]	70 [21.34]	60 [18.29]	55 [16.76]	50 [15.24]	40 [12.19]	35 [10.67]	25 [7.62]	20 [6.10]	15 [4.57]	5 [1.52]

NOTES:
N/R = Application not recommended.
Grey = This application is acceptable, but the long line guidelines must be followed. Reference Long Line Set section in the I&O.

[ ] Designates Metric Conversions

Heat Pump Refrigerant Line Size Information

R-410A System Capacity Model	Liquid Line Connection Size (Inch I.D.) [mm]	Liquid Line Size (Inch O.D.) [mm]	Liquid Line Size Elevation (Above or Below) Indoor Coil Total **Equivalent** Length - Feet [m]											
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [45.72]	150 [45.72]	175 [53.34]	200 [60.96]	225 [68.58]	250 [76.20]	275 [83.82]	300 [91.44]
			Maximum Vertical Separation – Feet [m]											
1.5 Ton	3/8" [9.53]	1/4 [6.35]	25 [7.62]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	50 [15.24]	65 [19.81]	55 [16.76]	40 [12.19]	30 [9.14]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	90 [27.43]	85 [25.91]	80 [24.38]	75 [22.86]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	90 [27.43]	85 [25.91]	85 [25.91]	85 [25.91]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	95 [28.96]	95 [28.96]	95 [28.96]	95 [28.96]
2 Ton	3/8" [9.53]	1/4 [6.35]	25 [7.62]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	50 [15.24]	40 [12.19]	20 [6.10]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	75 [22.86]	65 [19.81]	60 [18.29]	55 [16.76]	45 [13.72]	40 [12.19]	30 [9.14]	25 [7.62]	20 [6.10]
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	90 [27.43]	85 [25.91]	85 [25.91]	80 [24.38]	80 [24.38]	75 [22.86]	70 [21.34]	70 [21.34]	65 [19.81]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	95 [28.96]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	85 [25.91]	85 [25.91]
2.5 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	40 [12.19]	10 [3.05]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	65 [19.81]	55 [16.76]	45 [13.72]	35 [10.67]	25 [7.62]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	80 [24.38]	75 [22.86]	70 [21.34]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	90 [27.43]	90 [27.43]	85 [25.91]	85 [25.91]	80 [24.38]	80 [24.38]	75 [22.86]	75 [22.86]	75 [22.86]
3 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	10 [3.05]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	50 [15.24]	35 [10.67]	20 [6.10]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	70 [21.34]	65 [19.81]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	35 [10.67]	25 [7.62]	20 [6.10]
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	80 [24.38]	80 [24.38]	75 [22.86]	75 [22.86]	70 [21.34]	65 [19.81]	65 [19.81]	60 [18.29]	60 [18.29]
3.5 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	25 [7.62]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	50 [15.24]	30 [9.14]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	60 [18.29]	55 [16.76]	45 [13.72]	40 [12.19]	30 [9.14]	25 [7.62]	15 [4.57]	10 [3.05]	**N/R**	**N/R**
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	70 [21.34]	65 [19.81]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	50 [15.24]	45 [13.72]	40 [12.19]
4 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	30 [9.14]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	50 [15.24]	40 [12.19]	30 [9.14]	15 [4.57]	5 [1.52]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1/2 [12.71]	25 [7.62]	50 [15.24]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	35 [10.67]	30 [9.14]	25 [7.62]	20 [6.10]
5 Ton	3/8" [9.53]	1/4 [6.35]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		5/16 [7.94]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/8 [9.53]	25 [7.62]	20 [6.10]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/16 [11.12]	25 [7.62]	50 [15.24]	45 [13.72]	30 [9.14]	15 [4.57]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1/2 [12.71]	25 [7.62]	50 [15.24]	70 [21.34]	60 [18.29]	55 [16.76]	50 [15.24]	40 [12.19]	35 [10.67]	25 [7.62]	20 [6.10]	15 [4.57]	5 [1.52]

NOTES:
N/R = Application not recommended.
Grey = This application is acceptable, but the long line guidelines must be followed. Reference Long Line Set section in the I&O.

[ ] Designates Metric Conversions

Heat Pump Refrigerant Line Size Information

R-410A System Capacity Model	Vapor Line Connection Size (Inch I.D.) [mm]	Vapor Line Size (Inch O.D.) [mm]	Vapor Line Size Capacity Multiplier Table — Total **Equivalent** Length - Feet [m]											
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [45.72]	150 [45.72]	175 [53.34]	200 [60.96]	225 [68.58]	250 [76.20]	275 [83.82]	300 [91.44]
1.5 Ton	3/4" [19.06]	5/8 [15.88]	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.96	0.96
		3/4 [19.05]	1.00	0.99	1.00	0.99	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
		7/8 [22.23]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
2 Ton	3/4" [19.06]	5/8 [15.88]	1.00	0.99	0.99	0.98	0.97	0.96	0.95	0.95	0.95	0.94	0.93	0.93
		3/4 [19.05]	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98
		7/8 [22.23]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		1 [25.40]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
2.5 Ton	3/4" [19.06]	5/8 [15.88]	1.00	0.98	0.99	0.97	0.96	0.96	0.95	0.93	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	1.00	1.00	1.00	0.99	0.99	0.98	0.99	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	1.01	1.00	1.01	1.00	1.01	1.00	1.01	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.01	1.02	1.00	1.01	1.01	1.01	1.01	1.02	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
3 Ton	3/4" [19.06]	5/8 [15.88]	0.99	0.97	0.96	0.94	0.93	0.92	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	0.99	0.98	0.99	0.98	0.96	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	1.00	1.00	0.99	0.99	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.00	1.00	1.00	1.00	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
3.5 Ton	3/4" [19.06]	5/8 [15.88]	0.98	0.97	0.95	0.93	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	0.99	0.99	0.98	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	1.00	1.00	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.01	1.00	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	1.01	1.00	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
4 Ton	3/4" [19.06]	5/8 [15.88]	0.98	0.95	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	0.98	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
5 Ton	3/4" [19.06]	5/8 [15.88]	0.97	0.94	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	0.99	0.98	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**

NOTES:
N/R = Application not recommended.
All calculations assume a 3/8" liquid line

[ ] Designates Metric Conversions

Heat Pump Refrigerant Line Size Information

R-410A System Capacity Model	Vapor Line Connection Size (Inch I.D.) [mm]	Vapor Line Size (Inch O.D.) [mm]	Vapor Line Size Capacity Multiplier Table Total **Equivalent** Length - Feet [m]											
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [45.72]	150 [45.72]	175 [53.34]	200 [60.96]	225 [68.58]	250 [76.20]	275 [83.82]	300 [91.44]
1.5 Ton	3/4" [19.06]	5/8 [15.88]	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.96	0.96
		3/4 [19.05]	1.00	0.99	1.00	0.99	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
		7/8 [22.23]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
2 Ton	3/4" [19.06]	5/8 [15.88]	1.00	0.99	0.99	0.98	0.97	0.96	0.95	0.95	0.95	0.94	0.93	0.93
		3/4 [19.05]	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98
		7/8 [22.23]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		1 [25.40]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
2.5 Ton	3/4" [19.06]	5/8 [15.88]	1.00	0.98	0.99	0.97	0.96	0.96	0.95	0.93	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	1.00	1.00	1.00	0.99	0.99	0.98	0.99	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	1.01	1.00	1.01	1.00	1.01	1.00	1.01	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.01	1.02	1.00	1.01	1.01	1.01	1.01	1.02	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
3 Ton	3/4" [19.06]	5/8 [15.88]	0.99	0.97	0.96	0.94	0.93	0.92	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	0.99	0.98	0.99	0.98	0.96	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	1.00	1.00	0.99	0.99	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.00	1.00	1.00	1.00	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
3.5 Ton	3/4" [19.06]	5/8 [15.88]	0.98	0.97	0.95	0.93	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	0.99	0.99	0.98	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	1.00	1.00	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.01	1.00	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	1.01	1.00	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
4 Ton	3/4" [19.06]	5/8 [15.88]	0.98	0.95	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	1.00	0.98	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
5 Ton	3/4" [19.06]	5/8 [15.88]	0.97	0.94	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		3/4 [19.05]	0.99	0.98	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		7/8 [22.23]	1.00	0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1 [25.40]	1.00	1.00	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
		1-1/8 [28.58]	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**

NOTES:
N/R = Application not recommended.
All calculations assume a 3/8" liquid line

[ ] Designates Metric Conversions

Heat Pump Refrigerant Line Size Information

R-410A System Capacity Model	Liquid Line Connection Size (Inch I.D.) [mm]	Liquid Line Size (Inch O.D.) [mm]	Liquid Line Size Outdoor Unit Below/Abve Indoor Coil Differences Below = Sheet 1 Above = Sheet 2 Total **Equivalent** Length - Feet [m]											
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [45.72]	150 [45.72]	175 [53.34]	200 [60.96]	225 [68.58]	250 [76.20]	275 [83.82]	300 [91.44]
			Maximum Vertical Separation – Feet [m]											
1.5 Ton	3/8" [9.53]	1/4 [6.35]	0	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		5/16 [7.94]	0	0	5 (Above)	0	0	0	0	N/R	N/R	N/R	N/R	N/R
		3/8 [9.53]	0	0	0	0	0	0	0	0	0	0	0	0
		7/16 [11.12]	0	0	0	0	0	0	5 (Above)	0	0	0	0	0
		1/2 [12.71]	0	0	0	0	0	0	0	0	5 (Above)	0	0	0
2 Ton	3/8" [9.53]	1/4 [6.35]	5 (Below)	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		5/16 [7.94]	0	0	0	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		3/8 [9.53]	0	0	0	0	0	0	0	0	0	0	0	0
		7/16 [11.12]	0	0	0	0	5 (Above)	0	0	0	0	5 (Above)	0	0
		1/2 [12.71]	0	0	0	0	0	0	5 (Above)	0	0	0	0	0
2.5 Ton	3/8" [9.53]	1/4 [6.35]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		5/16 [7.94]	0	0	5 (Below)	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		3/8 [9.53]	0	0	0	0	0	0	0	0	N/R	N/R	N/R	N/R
		7/16 [11.12]	0	0	0	0	0	0	0	0	0	0	0	0
		1/2 [12.71]	0	0	0	0	0	0	0	0	0	5 (Above)	0	0
3 Ton	3/8" [9.53]	1/4 [6.35]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		5/16 [7.94]	0	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		3/8 [9.53]	0	0	0	0	0	0	N/R	N/R	N/R	N/R	N/R	N/R
		7/16 [11.12]	0	0	0	0	0	0	0	0	0	0	0	0
		1/2 [12.71]	0	0	0	0	0	0	0	0	0	0	0	0
3.5 Ton	3/8" [9.53]	1/4 [6.35]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		5/16 [7.94]	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		3/8 [9.53]	0	0	0	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		7/16 [11.12]	0	0	0	0	0	0	0	0	0	0	N/R	N/R
		1/2 [12.71]	0	0	0	0	0	0	0	0	0	0	0	0
4 Ton	3/8" [9.53]	1/4 [6.35]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		5/16 [7.94]	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		3/8 [9.53]	0	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		7/16 [11.12]	0	0	0	0	0	0	0	N/R	N/R	N/R	N/R	N/R
		1/2 [12.71]	0	0	0	0	0	0	0	0	0	0	0	0
5 Ton	3/8" [9.53]	1/4 [6.35]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		5/16 [7.94]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		3/8 [9.53]	0	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		7/16 [11.12]	0	0	0	0	0	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		1/2 [12.71]	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
N/R = Application not recommended.
Grey = This application is acceptable, but the long line guidelines must be followed. Reference Long Line Set section in the I&O.

[ ] 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]	2.40	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
WP1448AJ1	WH1T4821STAN	47000 [13.8]	36400 [10.7]	11600 [3.4]	14	11.5	1600 [755.1]	47000 [13.8]	3.60	29600 [8.7]	2.50	8.2	10157444
WP1460AJ1	RHLL-HM6024	57000 [16.7]	43000 [12.6]	14000 [4.1]	14	11.5	1800 [849.5]	57000 [16.7]	3.60	40000 [11.7]	2.74	8.2	10157445

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	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	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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