

4HP14B

PRODUCT SPECIFICATIONS

SPLIT SYSTEM HEAT PUMP
UP TO 15 SEER & 9.0 HSPF

FORM NO. 4HP14B-100 (03/2020)



COMPRESSOR

- High-efficiency scroll compressor
- R410A refrigerant
- Grommet mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation (optional accessory)
- Internally protected against high temperature motor overload conditions

CABINET

- Metal wire guard construction to protect the coil
- Corner-mounted controls for easy service
- Baked polyester paint finished over galvanized steel for maximum durability
- External gauge ports for easy service
- Removable service panel for internal access

COILS

- Omniguard™ total corrosion protection technology designed coil
- Enhanced tube-and-fin design featuring MHT™ Technology
- Lanced fins for maximum heat transfer
- Factory tested for leakproof construction
- Raised coil prevents debris from impeding airflow

DESIGN

- Designed to perform in temperatures up to 125° F
- Designed to perform in temperatures down to 0°F

COMPONENTS

- Factory installed high and low pressure switches
- Thread-on pressure switches with Schrader core for simple, quick replacement
- Factory installed filter drier
- Fan orifice for smoother airflow and sound level reduction
- Charged for 15 feet of line set
- Discharge muffler for quiet operation
- Quiet Shift™ capable to reduce noise during defrost

WARRANTY

10 year limited warranty on compressor
10 year limited warranty on all parts, extended warranty available*

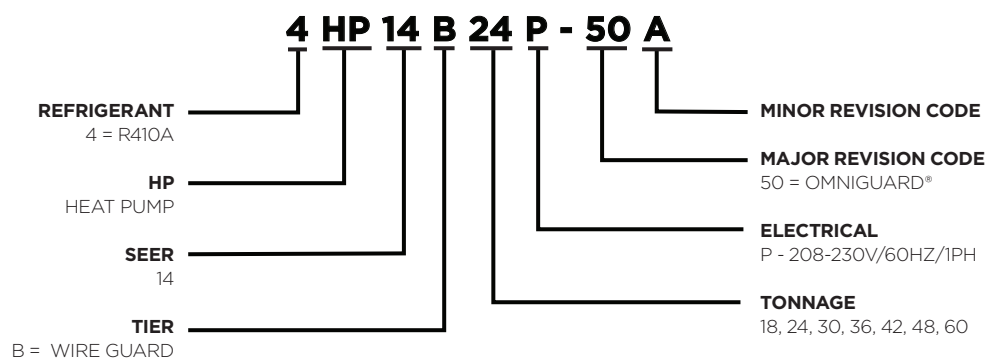
**Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty). Warranty must be registered online within 60 days of installation to qualify for 10-year coverage. Unregistered equipment defaults to 5-year coverage. See full warranty at www.alliedair.com for terms, conditions, and exclusions.*

NOTE:

For the latest AHRI system matches, please visit www.alliedratings.com or www.AHRIdirectory.org



MODEL NUMBER GUIDE



PHYSICAL AND ELECTRICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor		Outdoor Fan Motor		
					Rated Load (amps)	Locked Rotor (amps)	Full Load (amps)	Rated HP	Nom. RPM
4HP14B18P-50	208-230/60/1	197-253	12.3	20	9.0	48	1.1	1/6	825
4HP14B24P-50	208-230/60/1	197-253	17.9	30	13.4	58	1.1	1/6	825
4HP14B30P-50	208-230/60/1	197-253	17.1	25	12.8	64	1.1	1/6	825
4HP14B36P-50	208-230/60/1	197-253	18.7	30	14.1	77	1.1	1/6	825
4HP14B42P-50	208-230/60/1	197-253	25.8	45	19.2	123.9	1.8	1/4	825
4HP14B48P-50	208-230/60/1	197-253	26.2	45	19.6	130	1.8	1/4	825
4HP14B60P-50	208-230/60/1	197-253	29.6	50	22.2	127.9	1.8	1/4	825

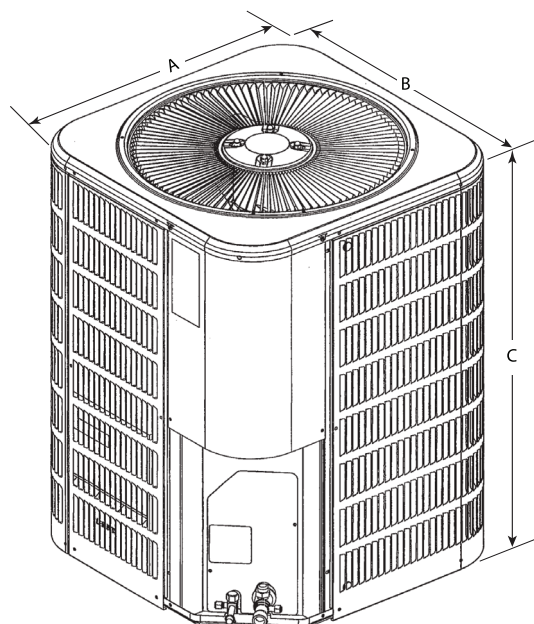
UNIT DIMENSIONS (IN.)

Model	Dimensions (inch)			Shipping Weight (lbs.)
	A - Width	B - Depth	C - Height	
4HP14B18P-50	28.25	28.25	43.25	163
4HP14B24P-50	28.25	28.25	43.25	165
4HP14B30P-50	28.25	28.25	43.25	165
4HP14B36P-50	28.25	28.25	37.25	186
4HP14B42P-50	32.25	32.25	37.25	230
4HP14B48P-50	32.25	32.25	37.25	233
4HP14B60P-50	32.25	32.25	43.25	247

Note:

Dimensions listed are unit sizes w/o packaging

Weights listed are unit weights with packaging



SOUND RATINGS

Model	Sound Power ¹	Estimated Sound Pressure (dBA) ²		
		Approximate Distance ³		
		3.3 Feet (1 Meter)	6.6 Feet (2 Meters)	9.8 Feet (3 Meters)
4HP14B18P-50	76	68	62	58
4HP14B24P-50	76	68	62	58
4HP14B30P-50	76	68	62	58
4HP14B36P-50	76	68	62	58
4HP14B42P-50	79	71	65	61
4HP14B48P-50	80	72	66	62
4HP14B60P-50	80	72	66	62

¹ Rated in accordance with AHRI standard 270 (2015). AHRI Standard 270 establishes a method of rating outdoor unitary equipment in terms of Sound Power.

² Rated in accordance with AHRI standard 275 (2010). AHRI Standard 275 provides the calculations for estimating the A-Weighted Sound Pressure at a given distance from the equipment. That is a more useful number because that is what humans will hear.

³ Based only on distance factor; other factors may change this value such as:

- Unit location (reflective surfaces adjacent to the unit)
- Barrier shielding sources
- Sound path/elevation
- Outside noise sources

ACCESSORIES

System Accessory	Where Used	Kit Number	Purpose
Liquid Line solenoid	All models	60M52	Prevents liquid migration to the compressor especially for high liquid riser applications
Low ambient HP units (cooling operation)	All models	54M89	Enables cooling demand down to 30 °F. Will require freeze stat, CC heater and TXV
Mild ambient (heating operation)	All models	11B97	Enables heating demand above 60 °F ambient
Cold weather	Control Board Integrated Feature		To allow unit to operate in very low ambient conditions
Fossil Fuel Kit (Heat Pump Only)	All models	1.841185	Required for furnace with heat pump installations
Hard Start	24 & 36	10J42	Scroll compressors usually do not require hard start; maybe needed for utility brown-out or low voltage areas
Hard Start	48 & 60	81J69	
Crankcase Heater	18, 24, 30	93M04	Prevents liquid migration to compressor in cold weather
Crankcase Heater	36, 42, 48, 60	Factory Installed	
Sound Cover	18, 24, 30, 36	14W00	Lowers compressor sound level
Sound Cover	42, 48, 60	14W01	
Loss of Charge Kit	Factory Installed		Protects the compressor if refrigerant charge is too low
Additional System Accessories (indoor section)			
TXV Kit	18, 24, 30	H4TXV01	TXVs provide superior refrigerant flow control, comfort and efficiency compared to pistons
	36, 42, 48	H4TXV02	
	60	H4TXV03	
Outdoor Thermostat - electric heat	All models	10Z23	Prevents electric heat operation above specific ambient conditions
Outdoor Thermostat - Mounting box	All models	31461	Mounting box for outdoor thermostat
Freeze stat	All models	93G35	Protects the compressor at low suction pressure conditions
Over flow switch	All models	11U75	Turn the system off, if condensate water overflows due to clogged drain pipes
Single point power supply	All models	21H39	Provide single power source in one junction box
Auxiliary blower relay	All models	85W66	Maybe required to select multiple indoor blower speeds

REFRIGERATION DATA

Model	Factory Refrig. Charge (Oz.)*	TXV	Refrigerant Line Size		Outdoor Unit Connection		Indoor Unit Connection	
			Suction	Liquid	Suction	Liquid	Suction	Liquid
4HP14B18P-50	112	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4HP14B24P-50	115	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4HP14B30P-50	115	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4HP14B36P-50	161	H4TXV02	7/8	3/8	7/8	3/8	3/4	3/8
4HP14B42P-50	171	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4HP14B48P-50	171	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4HP14B60P-50	193	H4TXV03	11/8	3/8	7/8	3/8	7/8	3/8

* Factory charged for 15 feet of line set; adjust per installation instructions.
Refrigerant charge also varies with indoor unit; Refer to refrigerant charge label

COOLING PERFORMANCE WITH DTC¹

Outdoor Model	Indoor Model	Cooling				Heating				
	Evap. Coil or Air Handler ³	SEER	EER	AHRI Rated Capacity ²	Sensible Capacity	HSPF	47°		17°	
							Btuh	COP	Btuh	COP
4HP14B18P-50	BCE5C18MA4X	14.00	12.00	18000	14200	8.20	17600	3.5	10800	2.3
4HP14B24P-50	BCE5C24MA4X	14.00	12.00	23800	19000	8.20	22200	3.6	14300	2.4
4HP14B30P-50	BCE5C30MA4X	14.00	11.50	29600	23200	8.20	27000	3.5	17500	2.4
4HP14B36P-50	BCE5C36MA4X	14.00	12.00	33400	25800	8.20	31200	3.4	20000	2.4
4HP14B42P-50	BCE5C42MA4X	14.00	12.00	40500	29500	8.20	39500	3.2	26200	2.4
4HP14B48P-50	BCE5C48MA4X	14.00	11.50	47500	36000	8.20	46000	3.3	29000	2.4
4HP14B60P-50	BCE5C60MA4X	14.00	12.00	56500	41500	8.20	54500	3.5	35400	2.6

Note:

¹ DTC = Designated Tested Combination

² Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240

³ A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

NOTE:

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www.alliedratings.com or www.AHRIdirectory.org

Note: Shaded area is AHRI Rating Conditions

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COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Indoor Wet Bulb Temperature	Outdoor Air Temperature Entering Outdoor Coil														
	85° F (29.4° C)					95° F (35° C)					105° F (40.6° C)				
	Sensible To Total Ratio (S/T)					Sensible To Total Ratio (S/T)					Sensible To Total Ratio (S/T)				
	Total Cooling Capacity	Comp. Motor Watts	Indoor Dry Bulb	80°F 26.7°C	85°F 29.4°C	Total Cooling Capacity	Comp. Motor Watts	Indoor Dry Bulb	80°F 26.7°C	85°F 29.4°C	Total Cooling Capacity	Comp. Motor Watts	Indoor Dry Bulb	80°F 26.7°C	85°F 29.4°C
Total Air Volume	kBTuh	Input	75°F 23.9°C	75°F 23.9°C	75°F 23.9°C	kBTuh	Input	75°F 23.9°C	75°F 23.9°C	75°F 23.9°C	kBTuh	Input	75°F 23.9°C	75°F 23.9°C	75°F 23.9°C
4HP14B42P-50 - BCE5C42M*4X															
59°F (15°C)	1225	39.0	2280	.91	1.00	37.8	2580	.94	1.00	1.00	36.0	2930	.97	1.00	1.00
	1400	41.0	2280	.96	1.00	39.5	2590	.99	1.00	1.00	37.4	2930	1.00	1.00	1.00
	1575	42.5	2290	1.00	1.00	40.5	2590	1.00	1.00	1.00	39.0	2930	1.00	1.00	1.00
63°F (17.2°C)	1225	40.5	2280	.71	.87	39.0	2590	.73	.90	1.00	36.8	2930	.75	.93	1.00
	1400	42.0	2290	.74	.92	40.0	2580	.77	.95	1.00	37.8	2930	.79	.98	1.00
	1575	43.0	2290	.77	.97	41.0	2590	.80	.99	1.00	39.0	2930	.83	1.00	1.00
67°F (19.4°C)	1225	43.0	2290	.56	.69	41.0	2590	.57	.71	.85	39.0	2930	.58	.72	.88
	1400	44.5	2290	.58	.72	42.5	2590	.59	.74	.91	40.0	2930	.60	.76	.94
	1575	45.0	2280	.60	.75	43.0	2590	.61	.77	.96	40.5	2930	.62	.80	.99
71°F (21.7°C)	1225	45.5	2290	.43	.55	43.5	2590	.43	.56	.68	41.0	2930	.44	.57	.70
	1400	46.5	2290	.44	.57	44.5	2590	.44	.58	.72	42.5	2930	.44	.59	.74
	1575	47.5	2280	.44	.59	45.5	2590	.45	.60	.74	43.0	2930	.45	.61	.77
4HP14B48P-50 - BCE5C48M*4X															
59°F (15°C)	1400	40.5	2800	.91	1.00	39.0	3180	.93	1.00	1.00	37.2	3620	.96	1.00	1.00
	1595	42.5	2800	.95	1.00	40.5	3190	.98	1.00	1.00	38.5	3620	1.00	1.00	1.00
	1840	44.0	2800	1.00	1.00	42.0	3190	1.00	1.00	1.00	40.0	3630	1.00	1.00	1.00
63°F (17.2°C)	1400	42.0	2800	.71	.86	40.0	3190	.72	.89	1.00	38.0	3620	.74	.92	1.00
	1595	43.5	2810	.73	.91	41.0	3190	.76	.94	1.00	39.0	3620	.79	.98	1.00
	1840	44.5	2810	.78	.97	42.5	3190	.80	1.00	1.00	40.5	3630	.83	1.00	1.00
67°F (19.4°C)	1400	44.5	2810	.56	.69	42.5	3190	.57	.70	.85	40.5	3630	.58	.72	.88
	1595	45.5	2810	.57	.71	43.5	3200	.59	.73	.90	41.5	3640	.60	.76	.93
	1840	47.0	2810	.60	.75	44.5	3200	.61	.77	.96	42.0	3640	.62	.80	.99
71°F (21.7°C)	1400	47.0	2810	.43	.55	45.0	3200	.43	.55	.68	42.5	3640	.43	.57	.70
	1595	48.0	2820	.43	.56	46.0	3200	.44	.57	.71	43.5	3640	.44	.59	.73
	1840	49.5	2820	.44	.59	47.0	3210	.45	.60	.75	44.5	3650	.45	.61	.77

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Indoor Wet Bulb Temperature		Outdoor Air Temperature Entering Outdoor Coil																													
		85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)							
cfm		Comp. Motor Watts Input		75°F 23.9°C		80°F 26.7°C		85°F 29.4°C		Comp. Motor Watts Input		75°F 23.9°C		80°F 26.7°C		85°F 29.4°C		Comp. Motor Watts Input		75°F 23.9°C		80°F 26.7°C		85°F 29.4°C							
		4HP14B60P-50 - BCE5C60M*4X																													
59°F (15°C)	1565	53.5	3430	.90	1.00	1.00	1.00	.92	1.00	1.00	49.5	4350	.94	1.00	1.00	47.0	4910	.97	1.00	1.00	44.0	5580	1.00	1.00	1.00						
	1800	56.0	3430	.93	1.00	1.00	1.00	.96	1.00	1.00	51.5	4350	.98	1.00	1.00	48.5	4910	1.00	1.00	1.00	45.5	5570	1.00	1.00	1.00						
	2005	58.0	3420	.97	1.00	1.00	1.00	.99	1.00	1.00	53.0	4350	1.00	1.00	1.00	50.5	4910	1.00	1.00	1.00	47.0	5580	1.00	1.00	1.00						
63°F (17.2°C)	1565	56.5	3430	.73	.86	.98	1.00	.75	.88	1.00	51.0	4350	.76	.90	1.00	47.5	4910	.78	.94	1.00	44.5	5570	.81	.97	1.00						
	1800	58.0	3420	.76	.90	1.00	1.00	.77	.92	1.00	52.5	4350	.79	.95	1.00	49.0	4910	.82	.98	1.00	45.5	5580	.85	1.00	1.00						
	2005	59.5	3420	.78	.93	1.00	1.00	.80	.96	1.00	53.5	4350	.82	.99	1.00	50.5	4910	.85	1.00	1.00	47.0	5580	.88	1.00	1.00						
67°F (19.4°C)	1565	59.5	3420	.58	.70	.83	.86	.59	.72	.85	54.0	4350	.60	.74	.87	50.5	4910	.61	.76	.90	47.0	5580	.63	.78	.94						
	1800	61.0	3410	.60	.73	.86	.89	.61	.75	.89	55.0	4350	.62	.77	.92	52.0	4910	.63	.79	.95	48.0	5580	.65	.83	.99						
	2005	62.5	3410	.61	.76	.90	.92	.62	.77	.92	56.5	4350	.64	.80	.95	53.0	4910	.65	.82	.99	49.0	5580	.67	.86	1.00						
71°F (21.7°C)	1565	62.5	3410	.45	.57	.68	.70	.45	.57	.70	57.0	4350	.45	.58	.71	53.5	4910	.46	.60	.73	50.0	5580	.46	.61	.76						
	1800	64.5	3410	.45	.59	.71	.72	.46	.59	.72	58.5	4350	.46	.60	.74	55.0	4910	.47	.62	.77	51.0	5580	.48	.64	.80						
	2005	66.0	3400	.46	.60	.73	.75	.46	.61	.75	59.5	4350	.47	.62	.77	56.0	4920	.48	.64	.80	52.0	5580	.48	.66	.83						

HEATING PERFORMANCE EXTENDED RATINGS

4HP14B18P-50 - BCE5C18M*4X

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil																		
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input				
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW					
525	250	21	6.2	1260	16.3	4.8	1185	11.4	3.3	1105	7.5	2.2	995	3.5	1	740				
675	320	21.7	6.4	1180	17	5	1105	12.1	3.5	1030	8.2	2.4	915	4.2	1.2	665				
710	335	21.8	6.4	1170	17.1	5	1095	12.3	3.6	1015	8.4	2.5	905	4.4	1.3	655				

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		1.18	1.17	1.15	1.13	1.12	1.11	1.08	1.06	1.05	1.03	1.02	1.01	1	0.98	0.92	0.86	0.79	0.73	0.67	0.61
Total Output	kBtuh	21.7	20.6	19.4	18.3	17.6	17	15.4	13.8	12.9	12.1	11.3	10.8	10.3	9.2	8.2	7.2	6.2	5.2	4.2	3.2
	kW	6.4	6	5.7	5.4	5.2	5	4.5	4	3.8	3.5	3.3	3.2	3	2.7	2.4	2.1	1.8	1.5	1.2	0.9

	Inputs					
	Cap	Watts		Cap	Watts	
	Low		Med		High	
CFM	525		675		710	
47°F	16900.354		1192.286		17606.696	
35°F	---		---		13775.951	
17°F	---		---		10801.403	

4HP14B24P-50 - BCE5C24M*4X

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)						
		Total Heating Capacity	Comp. Motor Watts Input	Total Heating Capacity	Comp. Motor Watts Input	Total Heating Capacity	Comp. Motor Watts Input	Total Heating Capacity	Comp. Motor Watts Input	Total Heating Capacity	Comp. Motor Watts Input					
												CFM	L/s	kBtuh	kW	kBtuh
680	320	26.2	7.7	1510	20.5	6	1445	14.6	4.3	1375	10.3	3	1255	4.9	1.4	935
875	415	26.9	7.9	1420	21.3	6.2	1350	15.3	4.5	1280	11	3.2	1165	5.6	1.6	840
915	430	27	7.9	1405	21.4	6.3	1335	15.4	4.5	1270	11.1	3.3	1150	5.7	1.7	825

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		1.42	1.41	1.39	1.37	1.36	1.35	1.33	1.31	1.29	1.28	1.27	1.27	1.26	1.25	1.17	1.08	1	0.92	0.84	0.76
Total Output	kBtuh	26.9	25.6	24.3	23	22.2	21.3	19	16.7	16	15.3	14.7	14.3	13.7	12.4	11	9.7	8.3	7	5.6	4.3
	kW	7.9	7.5	7.1	6.7	6.5	6.2	5.6	4.9	4.7	4.5	4.3	4.2	4	3.6	3.2	2.8	2.4	2.1	1.6	1.3

	Inputs					
	Cap	Watts		Cap	Watts	
	Low		Med		High	
CFM	680		875		915	
47°F	21467.016		1454.642		22183.983	
35°F	---		---		16660.501	
17°F	---		---		14252.452	

HEATING PERFORMANCE EXTENDED RATINGS

4HP14B30P-50 - BCE5C30M*4X

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil																		
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input				
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW					
845	400	31.9	9.3	1870	25.1	7.4	1765	18	5.3	1660	12.9	3.8	1485	6.2	1.8	1105				
1025	485	32.7	9.6	1780	25.9	7.6	1675	18.7	5.5	1570	13.6	4	1395	6.9	2	1010				
1150	545	33.1	9.7	1735	26.3	7.7	1630	19.2	5.6	1525	14	4.1	1350	7.3	2.1	965				

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		1.78	1.76	1.73	1.7	1.69	1.68	1.65	1.63	1.6	1.57	1.55	1.53	1.52	1.49	1.4	1.3	1.21	1.11	1.01	0.92
Total Output	kBtuh	32.7	31.1	29.5	27.9	27	25.9	23.1	20.3	19.5	18.7	18	17.5	16.9	15.3	13.6	11.9	10.3	8.6	6.9	5.2
	kW	9.6	9.1	8.6	8.2	7.9	7.6	6.8	5.9	5.7	5.5	5.3	5.1	5	4.5	4	3.5	3	2.5	2	1.5

	Inputs					
	Cap	Watts		Cap	Watts	
	Low		Med		High	
	CFM	845		1025		1150
47°F	26232.35	1774.885		26984.668		1639.426
35°F	---	---		20291.075		1626.705
17°F	---	---		17491.005		1527.581

4HP14B36P-50 - BCE5C36M*4X

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil																		
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input				
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW					
1050	495	37.2	10.9	2225	29.3	8.6	2085	21.1	6.2	1945	14.8	4.3	1750	7.2	2.1	1290				
1201	565	37.9	11.1	2155	30	8.8	2015	21.8	6.4	1875	15.5	4.5	1680	7.9	2.3	1220				
1350	635	38.4	11.3	2095	30.5	8.9	1960	22.3	6.5	1815	16	4.7	1620	8.4	2.5	1160				

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		2.16	2.12	2.09	2.06	2.04	2.02	1.97	1.92	1.9	1.88	1.85	1.84	1.83	1.79	1.68	1.57	1.45	1.34	1.22	1.11
Total Output	kBtuh	37.9	36	34.1	32.3	31.2	30	27	24.1	23	21.8	20.7	20	19.2	17.4	15.5	13.6	11.7	9.8	7.9	6
	kW	11.1	10.6	10	9.5	9.1	8.8	7.9	7.1	6.7	6.4	6.1	5.9	5.6	5.1	4.5	4	3.4	2.9	2.3	1.8

	Inputs					
	Cap	Watts		Cap	Watts	
	Low		Med		High	
	CFM	1050		1201		1350
47°F	30449.502	2105.323		31158.564		1977.585
35°F	---	---		24095.877		1920.618
17°F	---	---		19986.457		1838.431

HEATING PERFORMANCE EXTENDED RATINGS

4HP14B42P-50 - BCE5C42M*4X

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input					
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1225	580	47	13.8		3225	37.3	10.9		2920	27	7.9		2600	19.8	5.8		2330	9.7	2.8		1745
1400	660	47.7	14		3090	38	11.1		2790	27.7	8.1		2470	20.5	6		2200	10.4	3		1610
1575	745	48.4	14.2		2990	38.7	11.3		2690	28.5	8.4		2365	21.2	6.2		2100	11.1	3.3		1510

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		3.09	3.03	2.96	2.89	2.85	2.79	2.65	2.5	2.49	2.47	2.45	2.44	2.42	2.35	2.2	2.06	1.91	1.76	1.61	1.47
Total Output	kBtuh	47.7	45.4	43.2	41	39.6	38	33.8	29.7	28.7	27.7	26.8	26.2	25.3	23	20.5	18	15.4	12.9	10.4	7.9
	kW	14	13.3	12.7	12	11.6	11.1	9.9	8.7	8.4	8.1	7.9	7.7	7.4	6.7	6	5.3	4.5	3.8	3	2.3

	Inputs					
	Cap	Watts		Cap	Watts	
	Low		Med		High	
	CFM	1225		1400		1575
47°F	38902.389	2980.237		39611.371		40345.129
35°F	---	---		29698.136		2500.615
17°F	---	---		26173.516		2441.262

4HP14B48P-50 - BCE5C48M*4X

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input					
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1400	660	55.9	16.4	3715	43.5	12.7	3355	30.6	9	2980	21.5	6.3	2625	10.6	3.1	1965					
1596	755	56.7	16.6	3570	44.3	13	3210	31.4	9.2	2835	22.3	6.5	2485	11.4	3.3	1825					
1840	870	57.4	16.8	3445	45	13.2	3085	32.1	9.4	2710	23	6.7	2355	12.1	3.5	1695					

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		3.57	3.49	3.41	3.32	3.27	3.21	3.07	2.93	2.88	2.84	2.79	2.77	2.73	2.65	2.49	2.32	2.16	1.99	1.83	1.66
Total Output	kBtuh	56.7	53.8	51	48.1	46.3	44.3	39.4	34.4	32.9	31.4	29.9	29	27.9	25	22.3	19.6	16.9	14.1	11.4	8.7
	kW	16.6	15.8	14.9	14.1	13.6	13	11.5	10.1	9.6	9.2	8.8	8.5	8.2	7.3	6.5	5.7	5	4.1	3.3	2.5

	Inputs					
	Cap	Watts		Cap	Watts	
	Low		Med		High	
	CFM	1400		1596		1840
47°F	45521.163	3412.831		46347.869		3269.071
35°F	---	---		34352.781		2924.166
17°F	---	---		29049.513		2764.974

HEATING PERFORMANCE EXTENDED RATINGS

4HP14B60P-50 - BCE5C60M*4X

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input					
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1565	740	65	19		4310	50.9	14.9		3955	35.8	10.5		3600	26.6	7.8		3125	13	3.8		2335
1800	850	66	19.3		4130	51.9	15.2		3780	36.9	10.8		3425	27.7	8.1		2950	14.1	4.1		2160
2005	945	66.8	19.6		4020	52.7	15.4		3665	37.7	11		3310	28.5	8.4		2835	14.9	4.4		2045

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		4.13	4.05	3.96	3.87	3.81	3.78	3.7	3.62	3.52	3.43	3.33	3.27	3.24	3.15	2.95	2.75	2.56	2.36	2.16	1.97
Total Output	kBtuh	66	62.8	59.7	56.5	54.6	51.9	45.3	38.6	37.8	36.9	36	35.5	34.3	31.1	27.7	24.3	20.9	17.5	14.1	10.7
	kW	19.3	18.4	17.5	16.6	16	15.2	13.3	11.3	11.1	10.8	10.6	10.4	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1

	Inputs					
	Cap	Watts		Cap	Watts	
	Low		Med		High	
	CFM	1565		1800		2005
47°F	53531.181	3985.299		54579.041		3809.621
35°F	---	---		38609.755		3618.114
17°F	---	---		35526.852		3272.006



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All specifications and illustrations subject to change without notice and without incurring obligations.