

BHP15L

PRODUCT SPECIFICATIONS

HIGH EFFICIENCY
SPLIT SYSTEM HEAT PUMP
UP TO 16 SEER & 9.0 HSPF

FORM NO. 4HP15L-100 (05/2021)



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

- Full metal louvered panel with 2 screws to remove for ease of coil cleaning and service
- 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

DESIGN

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

COILS

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

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

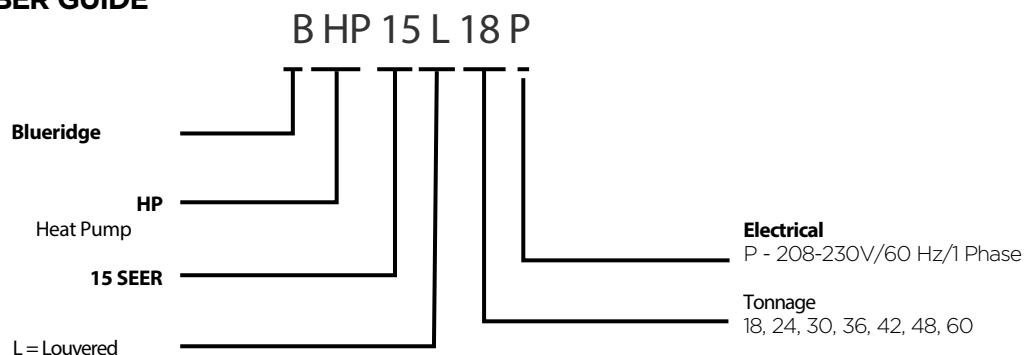
10 year limited warranty on compressor
10 year limited warranty on all parts, extended warranty available*

**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



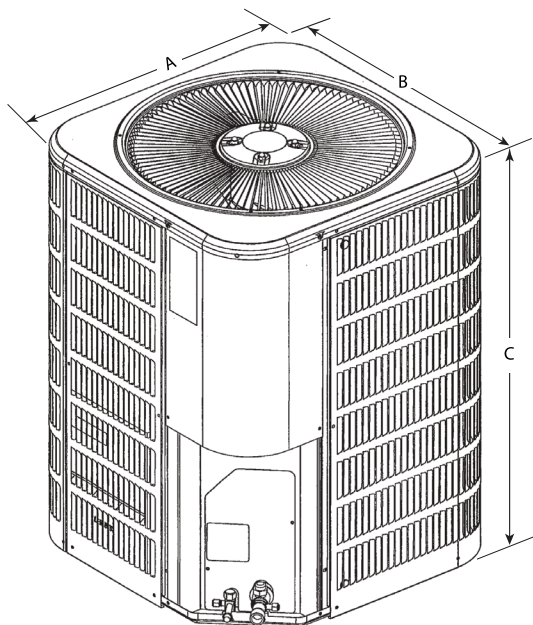
MODEL NUMBER GUIDE**PHYSICAL AND ELECTRICAL DATA**

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
BHP15L18P	208-230/60/1	197-253	12.2	20	9.0	48.0	1.0	1/6	825
BHP15L24P	208-230/60/1	197-253	13.6	20	10.1	52.0	1.0	1/6	825
BHP15L30P	208-230/60/1	197-253	17.0	25	12.8	67.8	1.0	1/6	825
BHP15L36P	208-230/60/1	197-253	18.6	30	14.1	72.2	1.0	1/6	825
BHP15L42P	208-230/60/1	197-253	25.8	45	19.2	123.9	1.8	1/4	825
BHP15L48P	208-230/60/1	197-253	26.2	45	19.6	130.0	1.8	1/4	825
BHP15L60P	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	
BHP15L18P	28.25	28.25	43.25	182
BHP15L24P	28.25	28.25	43.25	184
BHP15L30P	28.25	28.25	43.25	183
BHP15L36P	28.25	28.25	37.25	199
BHP15L42P	32.25	32.25	37.25	249
BHP15L48P	32.25	32.25	37.25	252
BHP15L60P	32.25	32.25	43.25	270

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)
BHP15L18P	76	68	62	58
BHP15L24P	76	68	62	58
BHP15L30P	76	68	62	58
BHP15L36P	76	68	62	58
BHP15L42P	79	71	65	61
BHP15L48P	80	72	66	62
BHP15L60P	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
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
BHP15L18P	112	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BHP15L24P	115	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BHP15L30P	115	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BHP15L36P	161	H4TXV02	7/8	3/8	7/8	3/8	3/4	3/8
BHP15L42P	171	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BHP15L48P	171	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BHP15L60P	193	H4TXV03	1 1/8	3/8	7/8	3/8	7/8	3/8

Note:

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

COOLING PERFORMANCE WITH DTC¹

Outdoor Model	Indoor Model	Cooling				Heating				
		SEER	EER	AHRI Rated Capacity ²	Sensible Capacity	HSPF	47°		17°	
							Btuh	COP	Btuh	COP
BHP15L18P	BE5C18MA4X	14.00	12.00	18000	14200	8.20	17600	3.5	10800	2.3
BHP15L24P	BE5C24MA4X	14.00	12.00	23800	19000	8.20	22200	3.6	14300	2.4
BHP15L30P	BE5C30MA4X	14.00	11.50	29600	23200	8.20	27000	3.5	17500	2.4
BHP15L36P	BE5C36MA4X	14.00	12.00	33400	25800	8.20	31200	3.4	20000	2.4
BHP15L42P	BE5C42MA4X	14.00	12.00	40500	29500	8.20	39500	3.2	26200	2.4
BHP15L48P	BE5C48MA4X	14.00	11.50	47500	36000	8.20	46000	3.3	29000	2.4
BHP15L60P	BE5C60MA4X	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:

For the latest AHRI system matches, please visit 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

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 Air Volume			Total Cooling Capacity		Comp. Motor Watts		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor Watts		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor Watts		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor Watts		Sensible To Total Ratio (S/T)				
Indoor Wet Bulb Temperature	kBTuh		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C				
	BHP15L30P BE5C30MA4X																												
	59°F (15°C)	845	28.4	1680	.93	1.00	27.0	1900	.95	1.00	1.00	25.8	2160	.98	1.00	1.00	24.2	2440	1.00	1.00	1.00	22.6	2790	1.00	1.00	1.00			
1025		30.2	1690	.99	1.00	28.8	1910	1.00	1.00	1.00	27.4	2170	1.00	1.00	1.00	25.6	2460	1.00	1.00	1.00	23.8	2790	1.00	1.00	1.00				
1150		31.2	1700	1.00	1.00	29.8	1920	1.00	1.00	1.00	28.2	2170	1.00	1.00	1.00	26.4	2460	1.00	1.00	1.00	24.6	2800	1.00	1.00	1.00				
63°F (17.2°C)	845	29.4	1680	.75	.89	27.8	1910	.76	.92	1.00	26.2	2160	.79	.95	1.00	24.4	2440	.82	.98	1.00	22.6	2790	.85	1.00	1.00				
	1025	30.6	1690	.80	.95	29.0	1910	.82	.98	1.00	27.4	2160	.84	1.00	1.00	25.6	2460	.88	1.00	1.00	23.8	2800	.92	1.00	1.00				
	1150	31.4	1700	.83	.99	29.8	1920	.85	1.00	1.00	28.2	2170	.88	1.00	1.00	26.4	2460	.92	1.00	1.00	24.6	2800	.96	1.00	1.00				
67°F (19.4°C)	845	31.2	1690	.59	.73	29.6	1920	.60	.74	.88	27.8	2170	.62	.76	.91	26.0	2460	.63	.79	.95	23.8	2800	.65	.83	.99				
	1025	32.6	1700	.62	.77	30.8	1930	.63	.80	.95	29.0	2180	.65	.82	.98	27.0	2460	.67	.85	1.00	24.6	2800	.69	.89	1.00				
	1150	33.2	1710	.64	.80	31.4	1930	.65	.83	.99	29.6	2180	.67	.85	1.00	27.4	2470	.69	.89	1.00	25.2	2810	.72	.94	1.00				
71°F (21.7°C)	845	33.0	1700	.45	.58	31.2	1930	.45	.58	.72	29.6	2180	.46	.60	.74	27.4	2470	.46	.62	.77	25.4	2810	.47	.64	.80				
	1025	34.4	1710	.46	.61	32.6	1940	.47	.62	.77	30.6	2190	.47	.63	.79	28.6	2480	.48	.65	.83	26.2	2810	.49	.68	.87				
	1150	35.0	1720	.47	.62	33.2	1940	.47	.64	.80	31.2	2190	.48	.66	.83	29.0	2480	.49	.68	.87	26.8	2820	.50	.71	.91				

BHP15L36P BE5C36MA4X																									
59°F (15°C)	1050	32.6	1910	.93	1.00	1.00	1.00	1.00	29.8	2450	.99	1.00	1.00	28.2	2760	1.00	1.00	1.00	1.00	26.4	3130	1.00	1.00	1.00	
	1200	34.0	1910	.98	1.00	1.00	1.00	1.00	31.0	2450	1.00	1.00	1.00	29.4	2770	1.00	1.00	1.00	1.00	27.4	3140	1.00	1.00	1.00	
	1350	35.2	1910	1.00	1.00	1.00	1.00	1.00	32.0	2450	1.00	1.00	1.00	30.2	2770	1.00	1.00	1.00	1.00	28.2	3140	1.00	1.00	1.00	
63°F (17.2°C)	1050	33.6	1910	.71	.88	1.00	32.0	2170	.73	.91	1.00	30.2	2450	.75	.95	1.00	28.2	2770	.78	.99	1.00	26.2	3130	.82	1.00
	1200	34.6	1910	.74	.94	1.00	32.8	2170	.77	.97	1.00	31.0	2450	.79	1.00	1.00	29.2	2770	.83	1.00	1.00	27.2	3140	.88	1.00
	1350	35.2	1910	.78	.99	1.00	33.6	2170	.80	1.00	1.00	32.0	2450	.84	1.00	1.00	30.2	2770	.88	1.00	1.00	28.2	3140	.93	1.00
67°F (19.4°C)	1050	35.4	1910	.56	.69	.84	33.8	2170	.57	.70	.87	32.0	2450	.58	.72	.90	30.0	2770	.59	.75	.95	27.6	3140	.61	.79
	1200	36.4	1910	.58	.72	.89	34.8	2170	.59	.74	.93	32.8	2450	.60	.76	.96	30.6	2770	.62	.80	1.00	28.2	3140	.64	.85
	1350	37.2	1910	.60	.75	.95	35.4	2170	.61	.78	.98	33.4	2460	.62	.81	1.00	31.2	2770	.64	.85	1.00	28.8	3140	.66	.90
71°F (21.7°C)	1050	37.4	1910	.42	.54	.66	35.8	2170	.42	.56	.68	33.8	2450	.43	.57	.70	31.8	2770	.44	.58	.72	29.4	3140	.44	.60
	1200	38.5	1910	.43	.57	.70	36.6	2170	.43	.58	.71	34.6	2460	.44	.59	.74	32.4	2780	.45	.61	.77	30.0	3150	.45	.63
	1350	39.0	1900	.44	.59	.73	37.4	2170	.44	.60	.75	35.4	2460	.45	.61	.78	33.0	2780	.45	.63	.82	30.4	3150	.46	.66

Note: Shaded area is AHRI Rating Conditions

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COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Outdoor Air Temperature Entering Outdoor Coil																
Indoor Wet Bulb Temperature	85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)				115° F (46.1° 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)	
	Comp. Motor Watts Input	Indoor Dry Bulb	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Comp. Motor Watts Input	Indoor Dry Bulb	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Comp. Motor Watts Input	Indoor Dry Bulb	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Comp. Motor Watts Input
Total Air Volume	cfm															
BHP15L60P BE5C60MA4X																
59°F (15°C)	1565	53.5	3430	.90	1.00	3860	.92	1.00	49.5	4350	.94	1.00	47.0	4910	.97	1.00
	1800	56.0	3430	.93	1.00	3860	.96	1.00	51.5	4350	.98	1.00	48.5	4910	1.00	1.00
	2005	58.0	3420	.97	1.00	3860	.99	1.00	53.0	4350	1.00	1.00	50.5	4910	1.00	1.00
63°F (17.2°C)	1565	56.5	3430	.73	.86	3860	.75	.88	51.0	4350	.76	.90	47.5	4910	.78	.94
	1800	58.0	3420	.76	.90	3860	.77	.92	52.5	4350	.79	.95	49.0	4910	.82	.98
	2005	59.5	3420	.78	.93	3860	.80	.96	53.5	4350	.82	.99	50.5	4910	.85	1.00
67°F (19.4°C)	1565	59.5	3420	.58	.70	3860	.59	.72	54.0	4350	.60	.74	50.5	4910	.61	.76
	1800	61.0	3410	.60	.73	3860	.61	.75	55.0	4350	.62	.77	52.0	4910	.63	.79
	2005	62.5	3410	.61	.76	3860	.62	.77	56.5	4350	.64	.80	53.0	4910	.65	.83
71°F (21.7°C)	1565	62.5	3410	.45	.57	3850	.45	.57	57.0	4350	.45	.58	53.5	4910	.46	.60
	1800	64.5	3410	.45	.59	3850	.46	.59	58.5	4350	.46	.60	55.0	4910	.47	.62
	2005	66.0	3400	.46	.60	3850	.46	.61	59.5	4350	.47	.62	56.0	4920	.48	.64

HEATING PERFORMANCE EXTENDED RATINGS

BHP15L18P BE5C18MA4X

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	Cap	Watts
	Low		Med		High	
CFM	525		675		710	
47°F	16900.35		1192.29		17606.7	
35°F	---		13775.95		1057.75	
17°F	---		10801.4		1005.28	

BHP15L24P BE5C24MA4X

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	
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	Cap	Watts
	Low		Med		High	
CFM	680		875		915	
47°F	21467.02		1454.64		22183.98	
35°F	---		16660.5		1302.64	
17°F	---		14252.45		1265.89	

HEATING PERFORMANCE EXTENDED RATINGS

BHP15L30P BE5C30MA4X

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	Cap	Watts
	Low		Med		High	
	CFM	845	1025	1150		
47°F	26232.35	1774.89	26984.67	1684.66	27402.72	1639.43
35°F	---	---	20291.08	1626.71	---	---
17°F	---	---	17491.01	1527.58	---	---

BHP15L36P BE5C36MA4X

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		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	Cap	Watts
	Low		Med		High	
	CFM	1050	1201	1350		
47°F	30449.5	2105.32	31158.56	2035.3	31648.75	1977.59
35°F	---	---	24095.88	1920.62	---	---
17°F	---	---	19986.46	1838.43	---	---

HEATING PERFORMANCE EXTENDED RATINGS

BHP15L42P BE5C42MA4X

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	Cap	Watts
	Low		Med		High	
CFM	1225		1400		1575	
47°F	38902.39		2980.24		39611.37	
35°F	---		29698.14		2500.62	
17°F	---		26173.52		2441.26	

BHP15L48P BE5C48MA4X

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	Cap	Watts
	Low		Med		High	
CFM	1400		1596		1840	
47°F	45521.16		3412.83		46347.87	
35°F	---		34352.78		2924.17	
17°F	---		29049.51		2764.97	

HEATING PERFORMANCE EXTENDED RATINGS

BHP15L60P BE5C60MA4X

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	
	Low		Med		High	
	1565		1800		2005	
47°F	53531.18		3985.3		54579.04	
35°F	---		---		38609.76	
17°F	---		---		35526.85	



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