

# 4HP16LT

## PRODUCT SPECIFICATIONS

## 16 SEER SPLIT SYSTEM TWO STAGE HEAT PUMP

FORM NO. 4HP16LT-100 (10/2019)



### COMPRESSOR

- High-efficiency 2 stage Copeland Ultra Tech™ scroll compressor
- R410A refrigerant
- Grommet mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Externally protected against high load and loss of charge conditions
- Sound cover for quiet operation

### CABINET

- Individual metal louvered panels for coil guard protection and ease of service
- Corner-mounted controls for easy service
- Rounded corners for safety and attractive appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grill
- External gauge ports for easy service
- Raised base pan with ports allows for excellent water drainage

### COMPONENTS

- Bi-directional solid core filter drier for long-lasting durability and system protection
- Discharge muffler for quiet operation
- Factory installed crankcase heater
- Demand defrost system for power consumption savings

- Charged for 15 feet of line set
- Fan orifice for increased efficiency and quiet operation
- Factory installed TXV for refrigerant control
- Threaded-on low and high pressure switches for quick replacement
- 45° service valve parts for easy service
- Service valves positioned for quick installation and easy service
- Comfort Alert 2 diagnostics factory installed
- Reliable, moisture-proof solid state defrost control
- Defrost control is Quiet Shift™ capable to reduce noise during defrost

### DESIGN

- Designed for ambients up to 125°F
- All units ETL and ETLC approved and AHRI certified

### COIL

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

### FACTORY INSTALLED ACCESSORIES

- Crankcase heater
- Compressor sound cover for quiet operation
- High pressure switch
- Low pressure switch for loss of charge protection

### WARRANTY

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

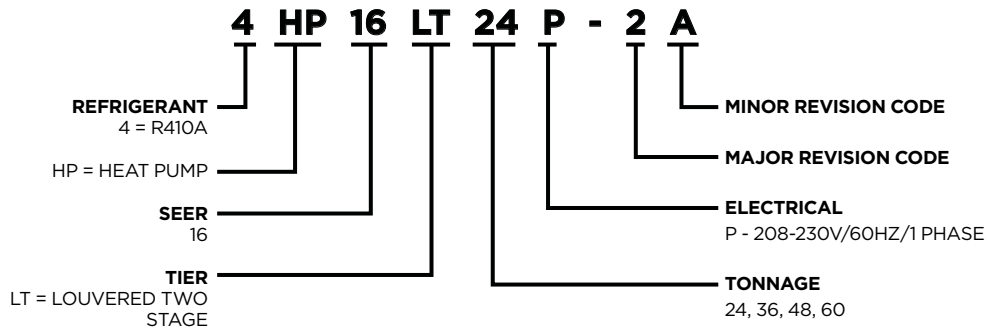
*\*Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty). Warranty must be registered online within 60 days of installation to qualify for 10-year coverage. Unregistered equipment defaults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

#### **NOTE:**

For the latest AHRI system matches, please visit [www.alliedratings.com](http://www.alliedratings.com) or [www.AHRIdirectory.org](http://www.AHRIdirectory.org)



**MODEL NUMBER GUIDE**

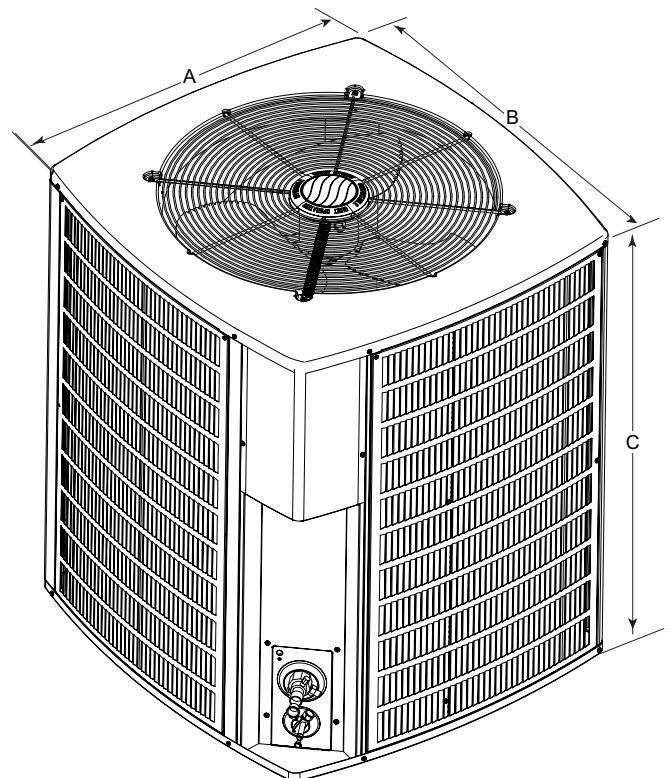


**PHYSICAL AND ELECTRICAL DATA**

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor		Fan Motor		
					Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Nom. RPM
4HP16LT24P-3	208-230/60/1	197-253	15.3	25	11.7	58	0.7	1/10	1075
4HP16LT36P-3	208-230/60/1	197-253	20.8	35	15.3	83	1.7	1/4	825
4HP16LT48P-3	208-230/60/1	197-253	28.3	45	21.2	104	1.8	1/3	825
4HP16LT60P-3	208-230/60/1	197-253	36.7	60	27.1	153	2.8	1/3	ECM

**UNIT DIMENSIONS (IN.)**

Model No.	Dimensions			Weight (lbs.)
	A	B	C	
4HP16LT24P-3	24-3/4	26-3/4	33-3/4	207
4HP16LT36P-3	29-3/8	31-1/4	37-3/4	253
4HP16LT48P-3	35-3/4	37-3/4	37-3/4	288
4HP16LT60P-3	35-3/4	37-3/4	43-3/4	313



**SOUND RATINGS**

Model	Sound Power <sup>1</sup>	Estimated Sound Pressure (dBA) <sup>2</sup>		
		Approximate Distance <sup>3</sup>		
		3.3 Feet (1 Meter)	6.6 Feet (2 Meters)	9.8 Feet (3 Meters)
4HP16LT24P-3	73	65	59	55
4HP16LT36P-3	75	67	61	57
4HP16LT48P-3	75	67	61	57
4HP16LT60P-3	77	69	63	59

<sup>1</sup> Rated in accordance with AHRI standard 270 (2015)

<sup>2</sup> Rated in accordance with AHRI standard 275 (2010)

<sup>3</sup> 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	All models	1.921145	To allow unit to operate at very low ambient conditions (older models). Board integrated feature on new models.
Fossil Fuel Kit (Heat Pump Only)	All models	1.841185 (AFOSL500)	Required for furnace with heat pump installations
Hard Start	24	63W22	Scroll compressors usually do not require hard start; maybe needed for utility brown-out or low voltage areas
	36 & 48	10J42	
	60	63W24	
Crankcase Heater	All models	Factory Installed	Prevents liquid migration to compressor in cold weather
Sound Cover	All models	Factory Installed	Lowers compressor sound level
Loss of Charge Kit	All models	Factory Installed	Protects the compressor if refrigerant charge is too low
<b>Additional System Accessories (indoor section)</b>			
TXV Kit	24	H4TXV01	TXVs provide superior refrigerant flow control, comfort and efficiency compared to pistons
	36, 48	H4TXV02	
	60	H4TXV03	
Outdoor Thermostat - electric heat	All models	10Z23 (56A87)	Prevents electric heat operation above specific ambient conditions
Outdoor Thermostat - mounting box	All models	31461	Mounting box for outdoor thermostat
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
4HP16LT24P-3	148	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4HP16LT36P-3	206	H4TXV02	3/4	3/8	7/8	3/8	3/4	3/8
4HP16LT48P-3	220	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4HP16LT60P-3	234	H4TXV03	1-1/8	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 AIR HANDLERS AND FURNACES**

Outdoor Model	Indoor Model Evap. Coil or Air Handler <sup>3</sup>	Cooling				Heating				
		SEER	EER	AHRI Rated Capacity <sup>1</sup>	Sensible Capacity	HSPF	47°		17°	
							Btuh	COP	Btuh	COP
4HP16LT24P-3	BCE7E24	15.00	12.50	24000	18600	8.20	21800	3.4	13600	2.5
4HP16LT36P-3	BCE7E42	15.00	12.20	36000	28800	8.20	34600	3.3	22000	2.5
4HP16LT48P-3	BCE7E48	16.00	12.50	48000	37000	8.20	45000	3.1	29400	2.4
4HP16LT60P-3	BCE7E60	16.00	12.20	57500	42000	8.20	52500	3.2	33600	2.4

### 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)		Comp. Motor Watts		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		
		kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)		<b>4HP16LT24 - BCE7E24M (High Stage (2nd Stage))</b>																						
		710	230	1420	.93	1.00	1.00	1590	.95	1.00	1.00	210	1790	.98	1.00	1.00	19.8	2030	100	1.00	1.00	18.6	2330	100
63°F (17.2°C)		800	238	1430	.97	1.00	1600	.99	1.00	1.00	218	1800	1.00	1.00	1.00	20.6	2040	100	1.00	1.00	19.2	2330	100	1.00
		905	246	1430	1.00	1.00	1600	1.00	1.00	1.00	226	1800	1.00	1.00	1.00	21.2	2040	100	1.00	1.00	19.8	2330	100	1.00
67°F (19.4°C)		710	238	1430	.75	.89	1600	.77	.92	1.00	214	1800	.79	.95	1.00	20.0	2040	.81	.98	1.00	18.5	2320	.85	1.00
		800	244	1430	.78	.93	1600	.80	.96	1.00	218	1800	.82	.99	1.00	20.6	2040	.85	1.00	1.00	19.2	2320	.88	1.00
71°F (21.7°C)		905	250	1440	.81	.98	1600	.83	.99	1.00	226	1800	.85	1.00	1.00	21.2	2040	.89	1.00	1.00	19.8	2330	.93	1.00
		710	252	1440	.59	.73	1610	.60	.74	.88	226	1800	.61	.76	.91	21.2	2040	.63	.79	.95	19.7	2330	.65	.82
71°F (21.7°C)		800	258	1440	.61	.76	1610	.62	.78	.93	232	1810	.63	.80	.96	21.6	2040	.65	.83	.99	20.0	2330	.67	.86
		905	264	1440	.63	.79	1610	.64	.81	.97	236	1810	.65	.83	.99	22.2	2050	.68	.87	1.00	20.4	2330	.70	.91
71°F (21.7°C)		710	266	1450	.45	.58	1610	.45	.59	.72	238	1810	.45	.60	.74	22.4	2050	.46	.62	.76	20.8	2340	.47	.64
		800	272	1450	.46	.60	1620	.46	.61	.75	244	1820	.47	.62	.77	23.0	2050	.47	.64	.80	21.2	2340	.48	.66
905		278	1450	.47	.62	1620	.47	.63	.79	250	1820	.48	.64	.81	23.4	2060	.48	.67	.84	21.6	2340	.49	.69	

Indoor Wet Bulb Temperature		Outdoor Air Temperature Entering Outdoor Coil																				
		75° F (23.9° C)				85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)								
		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts						
		kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C					
59°F (15°C)		<b>4HP16LT24 - BCE7E24M (Low Stage (1st Stage))</b>																				
		500	175	870	.91	1.00	1000	.93	1.00	1.00	16.8	1000	.96	1.00	1.00	15.2	1330	.99	1.00	1.00	100	1.00
63°F (17.2°C)		600	186	850	.97	1.00	990	.99	1.00	1.00	17.9	1150	1.00	1.00	1.00	16.1	1320	1.00	1.00	1.00	100	1.00
		635	190	850	.98	1.00	990	1.00	1.00	1.00	18.3	1140	1.00	1.00	1.00	16.4	1320	1.00	1.00	1.00	100	1.00
67°F (19.4°C)		500	183	860	.74	.87	1000	.75	.89	1.00	17.5	1150	.77	.92	1.00	15.4	1330	.79	.95	1.00	100	1.00
		600	191	850	.78	.93	990	.79	.95	1.00	18.2	1150	.82	.98	1.00	16.1	1320	.84	1.00	1.00	100	1.00
71°F (21.7°C)		635	193	850	.79	.95	990	.81	.97	1.00	17.4	1140	.83	1.00	1.00	16.4	1320	.86	1.00	1.00	100	1.00
		500	194	850	.58	.71	84	.59	.72	.85	17.6	1140	.60	.74	.88	16.4	1320	.61	.77	.91	100	1.00
71°F (21.7°C)		600	202	840	.61	.75	89	.62	.77	.92	18.3	1140	.63	.79	.95	17.0	1320	.64	.82	.98	100	1.00
		635	206	840	.62	.77	91	.63	.78	.94	18.4	1130	.64	.81	.97	17.2	1310	.66	.84	1.00	100	1.00
71°F (21.7°C)		500	204	840	.44	.56	68	.45	.58	.70	18.5	1130	.45	.59	.72	17.4	1310	.46	.60	.74	100	1.00
		600	214	850	.46	.59	73	.46	.61	.75	19.3	1130	.47	.62	.77	18.1	1310	.47	.63	.79	100	1.00
635		216	820	.46	.60	74	.46	.61	.76	19.5	1120	.47	.63	.78	18.3	1310	.47	.65	.81	100	1.00	

### 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 kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			
			75°F 23.9°C	80°F 26.7°C			85°F 29.4°C	75°F 23.9°C			80°F 26.7°C	85°F 29.4°C			75°F 23.9°C	80°F 26.7°C			85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
<b>4HP16LT36P - BCE7E42M (High Stage (2nd Stage))</b>																						
59°F (15°C)	1080	2100	.94	1.00	332	2370	.96	1.00	1.00	314	2680	.99	1.00	1.00	296	3050	1.00	1.00	1.00	3460	1.00	1.00
	1200	2100	.97	1.00	342	2380	.99	1.00	1.00	326	2680	1.00	1.00	1.00	306	3050	1.00	1.00	1.00	3450	1.00	1.00
	1435	2120	1.00	1.00	36.0	2380	1.00	1.00	1.00	34.2	2690	1.00	1.00	1.00	32.0	3060	1.00	1.00	1.00	3460	1.00	1.00
63°F (17.2°C)	1080	2110	.76	.90	33.8	2370	.78	.93	1.00	32.0	2690	.80	.96	1.00	29.8	3040	.82	.99	1.00	3450	.86	1.00
	1200	2110	.78	.94	34.6	2380	.80	.97	1.00	32.6	2690	.83	.99	1.00	30.6	3040	.86	1.00	1.00	3460	.90	1.00
	1435	2120	.83	1.00	36.0	2380	.85	1.00	1.00	34.2	2690	.88	1.00	1.00	32.2	3050	.92	1.00	1.00	3470	.97	1.00
67°F (19.4°C)	1080	2120	.60	.73	35.8	2380	.61	.75	.89	34.0	2690	.62	.77	.92	31.6	3050	.64	.80	.96	3460	.66	.84
	1200	2120	.61	.76	36.8	2390	.62	.78	.93	34.6	2700	.64	.80	.97	32.2	3060	.66	.83	1.00	3470	.68	.88
	1435	2130	.64	.81	37.8	2390	.65	.83	.99	35.6	2700	.67	.86	1.00	33.0	3060	.69	.90	1.00	3470	.72	.95
71°F (21.7°C)	1080	2130	.45	.58	38.0	2390	.45	.59	.73	35.8	2700	.46	.61	.75	33.4	3060	.47	.62	.78	3470	.47	.65
	1200	2140	.46	.60	38.5	2400	.46	.61	.76	36.6	2710	.47	.63	.78	34.0	3060	.48	.64	.81	3470	.48	.67
	1435	2150	.47	.63	40.0	2410	.47	.64	.81	37.6	2710	.48	.66	.84	35.0	3070	.49	.68	.87	3480	.50	.72

Indoor Wet Bulb Temperature	Outdoor Air Temperature Entering Outdoor Coil																				
	75° F (23.9° C)				85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)								
	Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity kBTuh	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)						
			75°F 23.9°C	80°F 26.7°C			85°F 29.4°C	75°F 23.9°C			80°F 26.7°C	85°F 29.4°C			75°F 23.9°C	80°F 26.7°C	85°F 29.4°C				
<b>4HP16LT36P - BCE7E42M (Low Stage (1st Stage))</b>																					
59°F (15°C)	980	1150	1.00	1.00	26.2	1320	1.00	1.00	1.00	24.8	1540	1.00	1.00	1.00	236	1780	1.00	1.00	1.00	1.00	1.00
	980	1150	1.00	1.00	26.2	1320	1.00	1.00	1.00	24.8	1540	1.00	1.00	1.00	236	1780	1.00	1.00	1.00	1.00	1.00
	1215	1150	1.00	1.00	27.8	1310	1.00	1.00	1.00	26.4	1520	1.00	1.00	1.00	250	1780	1.00	1.00	1.00	1.00	1.00
63°F (17.2°C)	980	1150	.81	.98	26.2	1320	.84	1.00	1.00	24.8	1540	.86	1.00	1.00	236	1780	.90	1.00	1.00	1.00	1.00
	980	1150	.81	.98	26.2	1320	.84	1.00	1.00	24.8	1540	.86	1.00	1.00	236	1780	.90	1.00	1.00	1.00	1.00
	1215	1130	.88	1.00	27.8	1310	.91	1.00	1.00	26.4	1530	.94	1.00	1.00	250	1780	.97	1.00	1.00	1.00	1.00
67°F (19.4°C)	980	1150	.63	.79	27.6	1310	.64	.81	.97	26.2	1530	.66	.83	1.00	24.6	1780	.68	.87	1.00	1.00	1.00
	980	1130	.63	.79	27.6	1310	.64	.81	.97	26.2	1530	.66	.83	1.00	24.6	1780	.68	.87	1.00	1.00	1.00
	1215	1120	.67	.86	28.8	1300	.69	.88	1.00	27.0	1520	.70	.91	1.00	25.4	1770	.73	.95	1.00	1.00	1.00
71°F (21.7°C)	980	1120	.47	.62	29.4	1300	.47	.63	.79	27.8	1520	.47	.64	.81	26.2	1770	.48	.67	.84	1.00	1.00
	980	1120	.47	.62	29.4	1300	.47	.63	.79	27.8	1520	.47	.64	.81	26.2	1770	.48	.67	.84	1.00	1.00
	1215	1110	.48	.65	30.4	1290	.49	.68	.86	28.8	1510	.50	.69	.89	27.0	1760	.50	.72	.92	1.00	1.00

### 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)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts							
		kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	Indoor Dry Bulb	85°F 29.4°C	80°F 26.7°C	75°F 23.9°C	Input	kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	Indoor Dry Bulb	85°F 29.4°C	80°F 26.7°C	75°F 23.9°C	Input	kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	Indoor Dry Bulb	85°F 29.4°C						
59°F (15°C)		<b>4HP16LT48 - BCE7E48M (High Stage (2nd Stage))</b>																													
		470	1.00	1.00	.94	1.00	1.00	3100	44.5	1.00	1.00	.97	1.00	1.00	40.0	1.00	1.00	4010	37.4	1.00	1.00	.97	1.00	1.00	4600						
63°F (17.2°C)		1600	1.00	1.00	.98	1.00	3110	46.5	1.00	1.00	1.00	1.00	3530	41.5	1.00	1.00	4030	39.0	1.00	1.00	1.00	1.00	1.00	4610							
		1800	1.00	1.00	1.00	1.00	3120	48.0	1.00	1.00	1.00	1.00	3540	43.0	1.00	1.00	4040	40.0	1.00	1.00	1.00	1.00	1.00	4630							
67°F (19.4°C)		1400	.88	1.00	.76	.91	3100	46.0	.91	1.00	.94	1.00	3520	40.5	.94	1.00	4020	.81	.97	1.00	1.00	.84	1.00	4600							
		1600	.78	1.00	.79	.95	3110	47.5	.95	1.00	.82	.98	1.00	3530	41.5	.85	1.00	4030	.85	.86	1.00	1.00	.88	1.00	4620						
71°F (21.7°C)		1800	.80	1.00	.82	.99	3120	48.5	.99	1.00	.85	1.00	3540	43.0	.88	1.00	4040	.88	.88	1.00	1.00	.93	1.00	4640							
		1400	.59	.72	.60	.74	.87	3120	49.0	.61	.76	.90	1.00	3540	42.5	.63	.79	4040	.63	.79	.94	.94	.65	.82	.98						
75°F (23.9°C)		1600	.61	.89	.62	.77	.92	3130	50.0	.62	.77	.92	3550	44.0	.65	.82	4050	.65	.82	.98	.98	.67	.86	1.00							
		1800	.62	.89	.64	.80	.96	3130	51.0	.64	.80	.96	3560	44.5	.67	.86	4060	.67	.86	1.00	1.00	.70	.90	1.00							
79°F (26.1°C)		1400	.45	.58	.45	.59	.72	3130	51.5	.45	.59	.72	3560	44.5	.46	.60	4060	.46	.62	.76	.76	.47	.64	.80							
		1600	.46	.59	.46	.61	.75	3140	52.5	.46	.61	.75	3570	46.0	.47	.62	4070	.47	.64	.80	.80	.48	.66	.84							
83°F (28.3°C)		1800	.46	.61	.47	.63	.78	3150	54.0	.47	.63	.78	3580	47.0	.48	.64	4080	.48	.66	.84	.84	.49	.69	.88							

Indoor Wet Bulb Temperature		Outdoor Air Temperature Entering Outdoor Coil																							
		75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)					
		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts	
		kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	Indoor Dry Bulb	85°F 29.4°C	80°F 26.7°C	75°F 23.9°C	Input	kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	Indoor Dry Bulb	85°F 29.4°C	80°F 26.7°C	75°F 23.9°C	Input	kBtuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	Indoor Dry Bulb	85°F 29.4°C
59°F (15°C)		<b>4HP16LT48 - BCE7E48M (Low Stage (1st Stage))</b>																							
		346	1.00	1.00	.90	1.00	1880	33.2	1.00	1.00	.96	1.00	2190	29.6	1.00	1.00	2530	.99	1.00	1.00	1.00	.99	1.00	2470	
63°F (17.2°C)		1135	1.00	1.00	.95	1.00	1860	35.0	1.00	1.00	1.00	2170	31.2	1.00	1.00	2520	1.00	1.00	1.00	1.00	1.00	1.00	2460		
		1260	1.00	1.00	1.00	1.00	1850	36.2	1.00	1.00	1.00	2160	32.2	1.00	1.00	2510	1.00	1.00	1.00	1.00	1.00	1.00	2450		
67°F (19.4°C)		980	.74	.87	.75	.89	1870	34.6	.75	.89	.92	2170	30.2	.79	.95	2530	.79	.95	1.00	1.00	.83	1.00	.91		
		1135	.77	.91	.78	.93	1850	35.8	.78	.93	.96	2170	31.4	.83	1.00	2520	.83	1.00	1.00	1.00	.86	1.00	.96		
71°F (21.7°C)		1260	.79	.94	.81	.97	1850	36.6	.81	.97	.83	2160	32.4	.88	1.00	2500	.86	1.00	1.00	1.00	.91	1.00	.99		
		980	.58	.71	.59	.72	1850	36.6	.59	.72	.85	2160	32.4	.60	.74	2500	.62	.77	.91	.91	.64	.81	.96		
75°F (23.9°C)		1135	.60	.74	.61	.76	1840	37.8	.61	.76	.90	2150	33.2	.78	.93	2500	.64	.81	.96	.96	.66	.84	.99		
		1260	.61	.76	.63	.78	1830	39.0	.63	.78	.93	2140	34.4	.81	.96	2500	.66	.84	.99	.99	.68	.86	1.00		
79°F (26.1°C)		980	.44	.57	.44	.58	1830	39.0	.45	.58	.70	2140	34.4	.45	.59	2490	.46	.60	.74	.74	.47	.62	.78		
		1135	.45	.58	.45	.59	1820	40.0	.45	.59	.73	2130	35.4	.46	.61	2480	.47	.62	.78	.78	.48	.66	.84		
83°F (28.3°C)		1260	.46	.60	.46	.61	1810	41.0	.46	.61	.76	2130	36.2	.47	.63	2470	.48	.64	.81	.81	.49	.69	.88		

**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)		Comp. Motor Watts		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts			
	kBTuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	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	Input	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		
<b>4HP16LT60 - BCE7E60M (High Stage (2nd Stage))</b>																								
59°F (15°C)	1575	54.5	3500	.88	.99	1.00	.90	1.00	1.00	50.0	4500	.92	1.00	1.00	47.5	5110	.95	1.00	1.00	44.5	5820	.99	1.00	1.00
	1825	57.0	3510	.91	1.00	1.00	.94	1.00	1.00	53.0	4510	.96	1.00	1.00	50.0	5120	.99	1.00	1.00	47.0	5850	1.00	1.00	1.00
	2105	59.5	3530	.95	1.00	1.00	.97	1.00	1.00	55.0	4510	1.00	1.00	1.00	52.0	5130	1.00	1.00	1.00	49.0	5860	1.00	1.00	1.00
63°F (17.2°C)	1575	57.0	3510	.72	.84	.96	.73	.86	.98	52.5	4510	.75	.88	1.00	49.0	5130	.77	.91	1.00	45.5	5830	.80	.96	1.00
	1825	59.5	3530	.75	.88	.99	.76	.90	1.00	54.0	4520	.78	.93	1.00	51.0	5130	.80	.96	1.00	47.0	5840	.83	1.00	1.00
	2105	61.0	3540	.77	.92	1.00	.79	.94	1.00	56.0	4520	.81	.97	1.00	52.5	5140	.84	1.00	1.00	49.0	5870	.87	1.00	1.00
67°F (19.4°C)	1575	60.5	3520	.58	.70	.81	.59	.71	.83	55.0	4520	.59	.72	.85	52.0	5130	.61	.74	.88	48.5	5860	.62	.77	.92
	1825	62.5	3540	.59	.72	.84	.60	.73	.86	57.0	4530	.61	.75	.89	54.0	5160	.63	.78	.92	50.0	5870	.64	.81	.96
	2105	64.5	3560	.61	.75	.88	.62	.76	.91	59.0	4550	.63	.78	.94	55.5	5170	.65	.81	.97	51.0	5890	.67	.85	1.00
71°F (21.7°C)	1575	63.5	3560	.44	.56	.67	.45	.57	.68	60.0	4540	.45	.58	.70	55.0	5150	.45	.59	.72	51.0	5870	.46	.61	.74
	1825	66.0	3570	.45	.58	.70	.46	.59	.71	62.0	4570	.47	.60	.73	56.5	5170	.46	.61	.75	52.5	5890	.47	.63	.78
	2105	68.0	3590	.46	.60	.72	.46	.61	.74	65.0	4570	.47	.62	.76	58.5	5180	.47	.63	.79	54.0	5900	.48	.65	.82

Indoor Wet Bulb Temperature	Outdoor Air Temperature Entering Outdoor Coil																							
	75° F (23.9° C)				85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)											
	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts			
	kBTuh	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	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	Input	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		
<b>4HP16LT60 - BCE7E60M (Low Stage (1st Stage))</b>																								
59°F (15°C)	1225	42.0	2120	.89	1.00	1.00	.89	1.00	1.00	38.5	2840	.94	1.00	1.00	36.6	3270	.98	1.00	1.00	32.70	3270	.99	1.00	1.00
	1275	42.5	2120	.90	1.00	1.00	.93	1.00	1.00	39.0	2840	.95	1.00	1.00	37.0	3270	.99	1.00	1.00	32.70	3270	.99	1.00	1.00
	1475	45.0	2110	.94	1.00	1.00	.96	1.00	1.00	41.0	2830	.99	1.00	1.00	39.0	3260	1.00	1.00	1.00	32.60	3260	1.00	1.00	1.00
63°F (17.2°C)	1225	44.0	2110	.73	.86	.97	.73	.88	1.00	39.5	2830	.76	.91	1.00	37.2	3270	.79	.94	1.00	32.70	3270	.94	1.00	1.00
	1275	44.5	2110	.74	.87	.98	.74	.89	1.00	40.0	2830	.77	.92	1.00	37.6	3270	.80	.95	1.00	32.70	3270	.95	1.00	1.00
	1475	46.0	2100	.76	.91	1.00	.78	.93	1.00	41.5	2830	.80	.96	1.00	39.0	3260	.83	.99	1.00	32.60	3260	.99	1.00	1.00
67°F (19.4°C)	1225	46.5	2100	.59	.71	.82	.59	.72	.84	42.0	2820	.60	.74	.87	39.5	3250	.62	.76	.90	32.50	3250	.62	.77	.91
	1275	47.0	2100	.59	.71	.83	.60	.73	.85	42.5	2820	.61	.75	.88	40.0	3250	.62	.77	.91	32.50	3250	.62	.77	.91
	1475	49.0	2090	.61	.74	.87	.62	.76	.89	44.0	2820	.63	.78	.93	41.0	3250	.64	.81	.96	32.50	3250	.64	.81	.96
71°F (21.7°C)	1225	49.5	2090	.45	.57	.68	.45	.58	.70	44.5	2810	.45	.59	.71	42.0	3240	.46	.60	.74	32.40	3240	.46	.60	.74
	1275	50.0	2080	.45	.57	.69	.45	.58	.70	45.0	2810	.46	.59	.72	42.5	3240	.46	.61	.74	32.40	3240	.46	.61	.74
	1475	51.5	2070	.45	.59	.72	.45	.60	.73	46.5	2800	.46	.61	.75	44.0	3240	.47	.63	.78	32.40	3240	.47	.63	.78



**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT24 - BCE7E24M (Low Stage (1st Stage))**

Indoor Coil Air Volume <b>65°F db</b> (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
		CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
498	235	19.5	5.7	1265	18.4	5.4	1245	17.2	5.0	1230	16.1	4.7	1210				
600	285	19.9	5.8	1175	18.8	5.5	1155	17.6	5.2	1140	16.5	4.8	1120				
634	300	20.2	5.9	1160	19.0	5.6	1140	17.9	5.2	1125	16.8	4.9	1105				

**4HP16LT24 - BCE7E24M (High Stage (2nd Stage))**

Indoor Coil Air Volume <b>65°F db</b> (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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input
710	335	27.1	7.9	1750	21.3	6.2	1570	15.5	4.5	1390	10.7	3.1	1195	5.4	1.6	895					
800	380	27.2	8.0	1695	21.5	6.3	1520	15.6	4.6	1335	10.8	3.2	1145	5.5	1.6	845					
905	425	27.8	8.1	1655	22.1	6.5	1475	16.2	4.7	1295	11.5	3.4	1100	6.2	1.8	800					

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		1.7	1.66	1.61	1.57	1.54	1.52	1.47	1.41	1.37	1.34	1.3	1.28	1.27	1.22	1.15	1.07	1	0.92	0.85	0.77
Total Output	kBtuh	27.2	25.8	24.5	23.1	22.3	21.5	19.5	17.5	16.6	15.6	14.6	14.1	13.5	12.1	10.8	9.5	8.2	6.9	5.5	4.2
	kW	8	7.6	7.2	6.8	6.5	6.3	5.7	5.1	4.9	4.6	4.3	4.1	4	3.5	3.2	2.8	2.4	2	1.6	1.2

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	498		600		634	
62 Low	18816.068		1252.261		19200.86	
47 Low	---		---		15828.99	
CFM	710		800		905	
47°F	22128.395		1591.76		22280.178	
35°F	---		---		17523.015	
17°F	---		---		14065.344	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT24 - BCE7E24M (Low Stage (1st Stage))**

Indoor Coil Air Volume <b>70°F db</b> (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
		CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
498	235	19.1	5.6	1350	18.0	5.3	1325	16.9	5.0	1305	15.8	4.6	1285				
600	285	19.4	5.7	1265	18.3	5.4	1245	17.2	5.0	1220	16.1	4.7	1200				
634	300	19.8	5.8	1235	18.6	5.5	1215	17.5	5.1	1195	16.4	4.8	1175				

**4HP16LT24 - BCE7E24M (High Stage (2nd Stage))**

Indoor Coil Air Volume <b>70°F db</b> (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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input
710	335	26.6	7.8	1855	20.9	6.1	1665	15.1	4.4	1470	10.5	3.1	1265	5.3	1.6	945					
800	380	26.8	7.9	1800	21.1	6.2	1610	15.3	4.5	1415	10.6	3.1	1210	5.4	1.6	890					
905	425	27.4	8.0	1755	21.8	6.4	1565	15.9	4.7	1370	11.3	3.3	1165	6.1	1.8	845					

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		1.8	1.75	1.71	1.66	1.63	1.61	1.55	1.5	1.46	1.42	1.38	1.35	1.34	1.29	1.21	1.13	1.05	0.97	0.89	0.81
Total Output	kBtuh	26.8	25.4	24.1	22.7	21.9	21.1	19.1	17.1	16.2	15.3	14.4	13.8	13.3	11.9	10.6	9.3	8	6.7	5.4	4.1
	kW	7.9	7.4	7.1	6.7	6.4	6.2	5.6	5	4.7	4.5	4.2	4	3.9	3.5	3.1	2.7	2.3	2	1.6	1.2

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	498		600		634	
62 Low	18426.788		1335.33		1223.173	
47 Low	---		---		---	
CFM	710		800		905	
47°F	21759.437		1686.071		1587.069	
35°F	---		---		---	
17°F	---		---		---	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT24 - BCE7E24M (Low Stage (1st Stage))**

Indoor Coil Air Volume 75°F db (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input				
498	235	18.7	5.5	1440	17.6	5.2	1415	16.5	4.8	1390	15.3	4.5	1370				
600	285	19.0	5.6	1355	17.9	5.2	1330	16.8	4.9	1305	15.7	4.6	1285				
634	300	19.4	5.7	1330	18.2	5.3	1305	17.1	5.0	1285	16.0	4.7	1260				

**4HP16LT24 - BCE7E24M (High Stage (2nd Stage))**

Indoor Coil Air Volume 75°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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
710	335	26.2	7.7	1965	20.6	6.0	1760	14.8	4.3	1555	10.3	3.0	1345	5.2	1.5	1005					
800	380	26.3	7.7	1905	20.7	6.1	1705	14.9	4.4	1500	10.4	3.0	1285	5.3	1.6	950					
905	425	27.0	7.9	1865	21.4	6.3	1665	15.6	4.6	1460	11.1	3.3	1245	6.0	1.8	910					

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		1.91	1.86	1.81	1.76	1.73	1.71	1.64	1.58	1.54	1.5	1.46	1.44	1.42	1.37	1.29	1.2	1.12	1.03	0.95	0.87
Total Output	kBtuh	26.3	25	23.7	22.3	21.5	20.7	18.7	16.6	15.8	14.9	14.1	13.6	13	11.7	10.4	9.2	7.9	6.6	5.3	4.1
	kW	7.7	7.3	6.9	6.5	6.3	6.1	5.5	4.9	4.6	4.4	4.1	4	3.8	3.4	3	2.7	2.3	1.9	1.6	1.2

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	498		600		634	
62 Low	18017.725		1424.947		18374.207	
47 Low	---		---		15019.423	
CFM	710		800		905	
47°F	21412.215		1787.937		21541.388	
35°F	---		---		16614.913	
17°F	---		---		13561.708	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT36P - BCE7E42M (Low Stage (1st Stage))**

Indoor Coil Air Volume <b>65°F db</b> (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input				
980	465	30.4	8.9	1805	28.6	8.4	1760	26.9	7.9	1710	25.1	7.4	1665				
980	465	30.4	8.9	1805	28.6	8.4	1760	26.9	7.9	1710	25.1	7.4	1665				
1214	575	30.8	9.0	1685	29.0	8.5	1640	27.3	8.0	1590	25.5	7.5	1545				

**4HP16LT36P - BCE7E42M (High Stage (2nd Stage))**

Indoor Coil Air Volume <b>65°F db</b> (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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
1079	510	42.5	12.5	2825	34.0	10.0	2520	25.4	7.4	2215	17.2	5.0	1875	8.5	2.5	1405					
1200	565	42.9	12.6	2750	34.4	10.1	2445	25.8	7.6	2135	17.6	5.2	1800	9.0	2.6	1330					
1434	675	43.4	12.7	2630	34.9	10.2	2325	26.4	7.7	2020	18.1	5.3	1680	9.5	2.8	1210					

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		2.75	2.68	2.6	2.52	2.48	2.45	2.36	2.28	2.21	2.14	2.07	2.02	1.99	1.92	1.8	1.68	1.57	1.45	1.33	1.22
Total Output	kBtuh	42.9	40.8	38.7	36.6	35.3	34.4	32.1	29.8	27.8	25.8	23.9	22.7	21.8	19.7	17.6	15.4	13.3	11.1	9	6.8
	kW	12.6	12	11.3	10.7	10.3	10.1	9.4	8.7	8.1	7.6	7	6.7	6.4	5.8	5.2	4.5	3.9	3.3	2.6	2

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	980		980		1214	
62 Low	29318.604		1777.975		29318.604	
47 Low	---		---		24063.107	
CFM	1079		1200		1434	
47°F	34905.999		2553.587		35323.879	
35°F	---		---		29772.828	
17°F	---		---		22679.451	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT36P - BCE7E42M (Low Stage (1st Stage))**

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input				
980	465	29.9	8.8	1940	28.2	8.3	1895	26.5	7.8	1845	24.8	7.3	1795				
980	465	29.9	8.8	1940	28.2	8.3	1895	26.5	7.8	1845	24.8	7.3	1795				
1214	575	30.3	8.9	1815	28.6	8.4	1770	26.9	7.9	1720	25.1	7.4	1670				

**4HP16LT36P - BCE7E42M (High Stage (2nd Stage))**

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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
1079	510	41.9	12.3	3005	33.6	9.8	2685	25.1	7.4	2365	17.0	5.0	2005	8.5	2.5	1505					
1200	565	42.3	12.4	2915	34.0	10.0	2595	25.5	7.5	2275	17.4	5.1	1915	8.9	2.6	1415					
1434	675	42.9	12.6	2795	34.5	10.1	2475	26.1	7.6	2155	18.0	5.3	1795	9.4	2.8	1295					

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		2.92	2.84	2.76	2.68	2.63	2.6	2.51	2.43	2.35	2.28	2.2	2.15	2.12	2.04	1.92	1.79	1.67	1.54	1.42	1.29
Total Output	kBtuh	42.3	40.3	38.2	36.1	34.9	34	31.7	29.3	27.4	25.5	23.6	22.5	21.6	19.6	17.4	15.3	13.2	11	8.9	6.7
	kW	12.4	11.8	11.2	10.6	10.2	10	9.3	8.6	8	7.5	6.9	6.6	6.3	5.7	5.1	4.5	3.9	3.2	2.6	2

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	980		980		1214	
62 Low	28857.639		1912.732		28857.639	
47 Low	---		---		23725.545	
CFM	1079		1200		1434	
47°F	34488.157		2719.242		34886.758	
35°F	---		---		29342.438	
17°F	---		---		22471.473	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT36P - BCE7E42M (Low Stage (1st Stage))**

Indoor Coil Air Volume <b>75°F db</b> (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
		CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
980	465	29.5	8.6	2090	27.7	8.1	2035	26.0	7.6	1980	24.3	7.1	1925				
980	465	29.5	8.6	2090	27.7	8.1	2035	26.0	7.6	1980	24.3	7.1	1925				
1214	575	29.8	8.7	1955	28.1	8.2	1900	26.4	7.7	1845	24.7	7.2	1790				

**4HP16LT36P - BCE7E42M (High Stage (2nd Stage))**

Indoor Coil Air Volume <b>75°F db</b> (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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input
1079	510	41.4	12.1	3195	33.1	9.7	2855	24.8	7.3	2515	16.8	4.9	2130	8.3	2.4	1600					
1200	565	41.8	12.3	3105	33.5	9.8	2765	25.2	7.4	2420	17.3	5.1	2040	8.8	2.6	1505					
1434	675	42.4	12.4	2980	34.1	10.0	2640	25.8	7.6	2300	17.8	5.2	1915	9.4	2.8	1385					

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		3.11	3.02	2.94	2.85	2.8	2.77	2.68	2.59	2.51	2.42	2.34	2.29	2.26	2.17	2.04	1.91	1.77	1.64	1.51	1.38
Total Output	kBtuh	41.8	39.8	37.7	35.7	34.5	33.5	31.2	28.9	27.1	25.2	23.4	22.2	21.4	19.4	17.3	15.1	13	10.9	8.8	6.7
	kW	12.3	11.7	11	10.5	10.1	9.8	9.1	8.5	7.9	7.4	6.9	6.5	6.3	5.7	5.1	4.4	3.8	3.2	2.6	2

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	980		980		1214	
62 Low	28431.16	2057.769	28431.16	2057.769	28817.089	1923.1
47 Low	---	---	23321.529	1891.41	---	---
CFM	1079		1200		1434	
47°F	34018.067	2890.128	34458.839	2797.648	35023.401	2673.683
35°F	---	---	28943.039	2588.429	---	---
17°F	---	---	22235.378	2289.484	---	---

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT48 - BCE7E48M (Low Stage (1st Stage))**

Indoor Coil Air Volume <b>65°F db</b> (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input				
980	465	39.4	11.5	2855	37.2	10.9	2780	35.0	10.3	2700	32.8	9.6	2625				
1135	535	39.8	11.7	2690	37.6	11.0	2615	35.4	10.4	2535	33.2	9.7	2460				
1261	595	40.8	12.0	2590	38.6	11.3	2515	36.4	10.7	2435	34.2	10.0	2360				

**4HP16LT48 - BCE7E48M (High Stage (2nd Stage))**

Indoor Coil Air Volume <b>65°F db</b> (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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
1400	660	54.6	16.0	3950	43.6	12.8	3465	32.1	9.4	2960	22.8	6.7	2515	11.2	3.3	1900					
1600	755	55.4	16.2	3835	44.3	13.0	3345	32.8	9.6	2840	23.6	6.9	2400	11.9	3.5	1785					
1800	850	56.1	16.4	3740	45.0	13.2	3250	33.5	9.8	2745	24.3	7.1	2305	12.7	3.7	1690					

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		3.84	3.72	3.61	3.49	3.42	3.35	3.17	3	2.92	2.84	2.77	2.72	2.67	2.56	2.4	2.25	2.09	1.94	1.79	1.63
Total Output	kBtuh	55.4	52.7	50.1	47.5	45.9	44.3	40.2	36.2	34.5	32.8	31.1	30.1	29.1	26.5	23.6	20.7	17.7	14.8	11.9	9
	kW	16.2	15.4	14.7	13.9	13.5	13	11.8	10.6	10.1	9.6	9.1	8.8	8.5	7.8	6.9	6.1	5.2	4.3	3.5	2.6

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	980		1135		1261	
62 Low	38064.877		2809.66		38472.331	
47 Low	---		---		31847.606	
CFM	1400		1600		1800	
47°F	45177.576		3532.415		45901.257	
35°F	---		---		36163.774	
17°F	---		---		30134.051	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT48 - BCE7E48M (Low Stage (1st Stage))**

Indoor Coil Air Volume 70°F db (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input				
980	465	38.6	11.3	3065	36.5	10.7	2980	34.3	10.1	2895	32.1	9.4	2810				
1135	535	39.1	11.5	2885	36.9	10.8	2800	34.7	10.2	2715	32.5	9.5	2630				
1261	595	40.1	11.8	2785	37.9	11.1	2700	35.7	10.5	2615	33.6	9.8	2530				

**4HP16LT48 - BCE7E48M (High Stage (2nd Stage))**

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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
1400	660	54.1	15.9	4210	43.1	12.6	3690	31.7	9.3	3155	22.6	6.6	2695	11.1	3.3	2035					
1600	755	54.8	16.1	4080	43.8	12.8	3565	32.4	9.5	3030	23.3	6.8	2565	11.8	3.5	1905					
1800	850	55.4	16.2	3960	44.4	13.0	3440	33.1	9.7	2905	23.9	7.0	2445	12.5	3.7	1785					

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		4.08	3.96	3.84	3.72	3.64	3.57	3.38	3.19	3.11	3.03	2.95	2.91	2.86	2.73	2.57	2.4	2.24	2.07	1.91	1.74
Total Output	kBtuh	54.8	52.2	49.6	47	45.4	43.8	39.8	35.7	34.1	32.4	30.8	29.8	28.8	26.2	23.3	20.4	17.6	14.7	11.8	8.9
	kW	16.1	15.3	14.5	13.8	13.3	12.8	11.7	10.5	10	9.5	9	8.7	8.4	7.7	6.8	6	5.2	4.3	3.5	2.6

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	980		1135		1261	
62 Low	37326.703		3012.754		37775.295	
47 Low	---		---		31230.619	
CFM	1400		1600		1800	
47°F	44718.29		3767.594		45406.955	
35°F	---		---		35718.645	
17°F	---		---		29801.77	



**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT48 - BCE7E48M (Low Stage (1st Stage))**

Indoor Coil Air Volume 75°F db (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
		CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
980	465	37.9	11.1	3280	35.8	10.5	3185	33.6	9.8	3095	31.5	9.2	3000				
1135	535	38.3	11.2	3105	36.2	10.6	3010	34.0	10.0	2915	31.9	9.3	2820				
1261	595	39.3	11.5	2990	37.2	10.9	2895	35.0	10.3	2805	32.9	9.6	2710				

**4HP16LT48 - BCE7E48M (High Stage (2nd Stage))**

Indoor Coil Air Volume 75°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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input
1400	660	53.6	15.7	4480	42.7	12.5	3945	31.3	9.2	3390	22.3	6.5	2910	11.0	3.2	2200					
1600	755	54.2	15.9	4320	43.3	12.7	3785	32.0	9.4	3230	23.0	6.7	2750	11.7	3.4	2040					
1800	850	54.9	16.1	4225	44.0	12.9	3690	32.7	9.6	3135	23.7	6.9	2655	12.3	3.6	1945					

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		4.32	4.2	4.07	3.94	3.87	3.79	3.59	3.39	3.31	3.23	3.16	3.11	3.06	2.93	2.75	2.58	2.4	2.22	2.04	1.87
Total Output	kBtuh	54.2	51.7	49.1	46.5	44.9	43.3	39.3	35.2	33.6	32	30.4	29.5	28.4	25.8	23	20.2	17.3	14.5	11.7	8.8
	kW	15.9	15.2	14.4	13.6	13.2	12.7	11.5	10.3	9.8	9.4	8.9	8.6	8.3	7.6	6.7	5.9	5.1	4.2	3.4	2.6

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	980		1135		1261	
62 Low	36638.208		3224.635		37049.064	
47 Low	---		---		30612.687	
CFM	1400		1600		1800	
47°F	44278.006		4022.255		44944.623	
35°F	---		---		35183.404	
17°F	---		---		29455.105	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT60 - BCE7E60M (Low Stage (1st Stage))**

Indoor Coil Air Volume <b>65°F db</b> (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	
1225	580	46.2	13.5	3075	43.7	12.8	3010	41.2	12.1	2950	38.7	11.3	2885				
1275	600	46.4	13.6	3030	43.9	12.9	2970	41.4	12.1	2905	38.9	11.4	2845				
1474	695	47.9	14.0	2885	45.4	13.3	2825	42.9	12.6	2760	40.4	11.8	2700				

**4HP16LT60 - BCE7E60M (High Stage (2nd Stage))**

Indoor Coil Air Volume <b>65°F db</b> (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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
1575	745	64.9	19.0	4340	51.3	15.0	3995	37.2	10.9	3690	26.3	7.7	3055	13.1	3.8	2290					
1825	860	65.4	19.2	4175	51.8	15.2	3830	37.7	11.0	3525	26.8	7.9	2890	13.7	4.0	2125					
2105	995	66.9	19.6	4030	53.3	15.6	3690	39.2	11.5	3380	28.3	8.3	2750	15.1	4.4	1980					

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		4.18	4.08	3.98	3.88	3.82	3.83	3.87	3.9	3.71	3.53	3.34	3.22	3.18	3.08	2.89	2.7	2.51	2.32	2.13	1.93
Total Output	kBtuh	65.4	62.2	59	55.8	53.9	51.8	46.7	41.6	39.7	37.7	35.7	34.6	33.3	30.1	26.8	23.5	20.2	16.9	13.7	10.4
	kW	19.2	18.2	17.3	16.4	15.8	15.2	13.7	12.2	11.6	11	10.5	10.1	9.8	8.8	7.9	6.9	5.9	5	4	3

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	1225		1275		1474	
62 Low	44727.737		3037.214		44900.267	
47 Low	---		---		37387.592	
CFM	1575		1825		2105	
47°F	53358.795		3980.249		53867.376	
35°F	---		---		41617.776	
17°F	---		---		34575.242	

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT60 - BCE7E60M (Low Stage (1st Stage))**

Indoor Coil Air Volume <b>70°F db</b> (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input				
1225	580	45.5	13.3	3285	43.0	12.6	3215	40.6	11.9	3145	38.1	11.2	3080				
1275	600	45.6	13.4	3240	43.1	12.6	3170	40.7	11.9	3105	38.2	11.2	3035				
1474	695	47.0	13.8	3085	44.5	13.0	3020	42.1	12.3	2950	39.6	11.6	2885				

**4HP16LT60 - BCE7E60M (High Stage (2nd Stage))**

Indoor Coil Air Volume <b>70°F db</b> (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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
1575	745	64.2	18.8	4615	50.7	14.9	4240	36.8	10.8	3905	25.9	7.6	3220	12.9	3.8	2415					
1825	860	64.7	19.0	4440	51.3	15.0	4065	37.4	11.0	3735	26.5	7.8	3045	13.5	4.0	2240					
2105	995	66.3	19.4	4300	52.8	15.5	3925	38.9	11.4	3590	28.0	8.2	2900	15.0	4.4	2095					

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		4.44	4.34	4.23	4.12	4.05	4.07	4.11	4.15	3.94	3.74	3.53	3.4	3.36	3.25	3.05	2.85	2.64	2.44	2.24	2.04
Total Output	kBtuh	64.7	61.6	58.4	55.2	53.3	51.3	46.3	41.3	39.3	37.4	35.4	34.2	32.9	29.7	26.5	23.2	20	16.7	13.5	10.3
	kW	19	18.1	17.1	16.2	15.6	15	13.6	12.1	11.5	11	10.4	10	9.6	8.7	7.8	6.8	5.9	4.9	4	3

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	1225		1275		1474	
62 Low	43984.148	3241.994	44100.158	3198.227	45514.089	3045.547
47 Low	---	---	36753.582	2995.085	---	---
CFM	1575		1825		2105	
47°F	52733.995	4224.402	53279.521	4049.811	54808.551	3907.439
35°F	---	---	41331.925	4151.928	---	---
17°F	---	---	34170.063	3396.988	---	---

**HEATING PERFORMANCE EXTENDED RATINGS**

**4HP16LT60 - BCE7E60M (Low Stage (1st Stage))**

Indoor Coil Air Volume 75°F db (28°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°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	
CFM	L/s	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input				
1225	580	44.7	13.1	3505	42.2	12.4	3435	39.8	11.7	3360	37.4	11.0	3285				
1275	600	44.8	13.1	3460	42.4	12.4	3385	39.9	11.7	3315	37.5	11.0	3240				
1474	695	46.1	13.5	3300	43.7	12.8	3230	41.2	12.1	3155	38.8	11.4	3085				

**4HP16LT60 - BCE7E60M (High Stage (2nd Stage))**

Indoor Coil Air Volume 75°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	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input	kBtuh	kW	Watts Input		
1575	745	63.6	18.6	4900	50.3	14.7	4505	36.6	10.7	4150	25.8	7.6	3430	13.0	3.8	2575					
1825	860	63.9	18.7	4700	50.7	14.9	4305	37.0	10.8	3950	26.2	7.7	3230	13.3	3.9	2375					
2105	995	65.5	19.2	4545	52.2	15.3	4150	38.5	11.3	3795	27.7	8.1	3075	14.9	4.4	2225					

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		4.7	4.59	4.47	4.36	4.29	4.31	4.34	4.38	4.17	3.95	3.73	3.6	3.56	3.45	3.23	3.02	2.8	2.59	2.38	2.16
Total Output	kBtuh	63.9	60.8	57.7	54.5	52.6	50.7	45.8	40.9	39	37	35	33.8	32.5	29.4	26.2	23	19.8	16.6	13.3	10.1
	kW	18.7	17.8	16.9	16	15.4	14.9	13.4	12	11.4	10.8	10.3	9.9	9.5	8.6	7.7	6.7	5.8	4.9	3.9	3

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	1225		1275		1474	
62 Low	43195.732		3461.95		43327.087	
47 Low	---		---		36033.711	
CFM	1575		1825		2105	
47°F	52256.687		4488.347		52633.317	
35°F	---		---		40946.642	
17°F	---		---		33780.77	



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