

4SHP22LX

PRODUCT SPECIFICATIONS

HIGH EFFICIENCY
SPLIT HEAT PUMP SYSTEM
UP TO 22 SEER2 & 9 HSPF2

FORM NO. 4SHP22LX-100 (03/2023)



COMFORT SYNC
COMMUNICATING THERMOSTAT ENABLED

COMPRESSOR

- Inverter-driven compressor for true variable capacity operation, precision environmental control, and exceptional energy savings
- R410A refrigerant
- Grommet-mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation
- Internally protected against high temperature motor overload conditions

CABINET

- Full metal louvered construction to protect the coil
- Individual metal louvered panels remove easily for coil cleaning and service
- Specialized corner-mounted controls for easy service
- Baked polyester paint finished over galvanized steel for maximum durability
- Removable PVC coated wire fan discharge grill
- External gauge ports for easy service
- Removable service panel for internal access
- Compliant with Florida Building Code 2020

COILS

- Omniguard® coil corrosion protection with all-aluminum tube-and-fin coil design
- Lanced fins for maximum heat transfer
- Factory tested for leakproof construction
- Raised coil prevents debris from impeding airflow and helps prevent ice buildup

DESIGN

- Designed for installation as a fully communicating system or with a standard 24V thermostat and non-communicating equipment
- Offers five total operating modes, three in cooling and two for heating, to fine-tune the unit's performance to the application and consumer's needs in 24V applications
- Clean-sweep defrost provides a more thorough defrost, reducing the number of cycles during heating operation
- Designed to perform in temperatures from -15°F to 125°F

COMPONENTS

- 45-degree offset gauge ports are positioned for quick installation and easy service
- Variable speed condenser fan motor
- Swept wing fan blade for quiet operation
- Factory-installed crankcase heater
- Factory-installed TXV for excellent refrigeration control
- Factory-installed high and low pressure switches
- Thread-on pressure switches for simple, quick service
- Fan orifice for smoother airflow and sound level reduction
- Comfort Sync® enabled for communicating systems
- Shipped factory charged for 15 feet of line set
- Discharge muffler for quiet operation
- Demand defrost for increased energy efficiency
- Quiet Shift™ capable to reduce noise during defrost

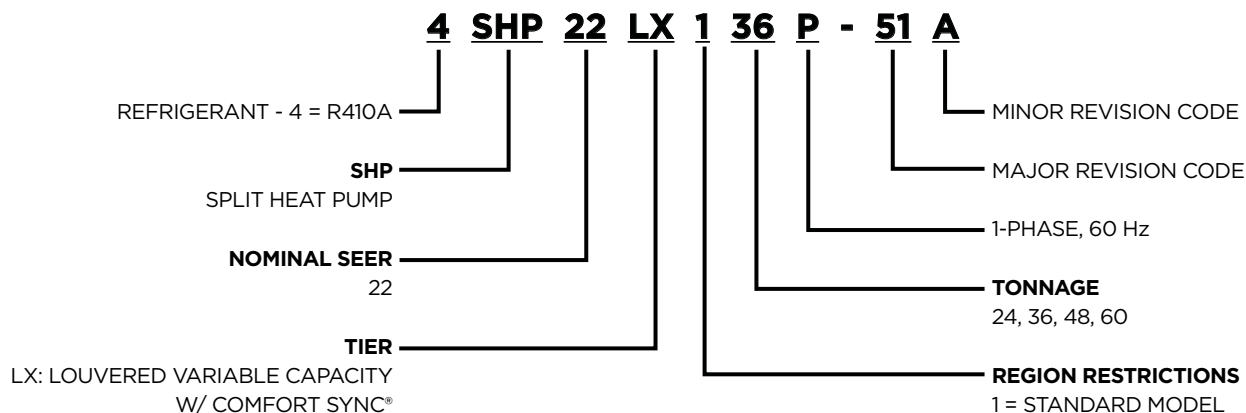
WARRANTY

- 5-year limited warranty
- 10-year limited extended warranty available on all parts and compressor

**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. Lifetime limited heat exchanger warranty applies to registered equipment only (Standard 20 years with no online registration). See full warranty at www.alliedair.com for terms, conditions and exclusions.*



MODEL NUMBER GUIDE



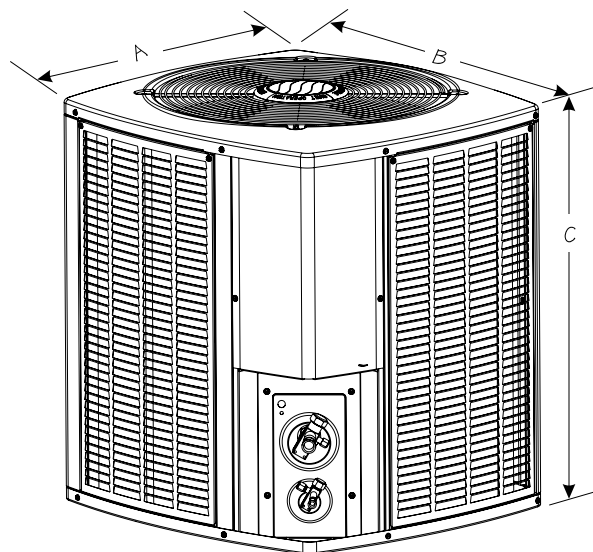
PHYSICAL AND ELECTRICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor	Outdoor Fan Motor		
					Input (amps)	Full Load (amps)	Rated HP	Nom. RPM
4SHP22LX124P-51A	208-230/60/1	197-253	13.4	20	8.6	2.6	1/3	VAR. SPD
4SHP22LX136P-51A	208-230/60/1	197-253	19.9	30	13.9	2.6	1/3	VAR. SPD
4SHP22LX148P-51A	208-230/60/1	197-253	24.6	40	17.6	2.6	1/3	VAR. SPD
4SHP22LX160P-51A	208-230/60/1	197-253	33.5	50	24.7	2.6	1/3	VAR. SPD

UNIT DIMENSIONS (IN.)

Model	Dimensions (inch)			Shipping Weight (Lbs.)
	A - Width	B - Depth	C - Height	
4SHP22LX124P-51A	38.88	36.88	38.25	250
4SHP22LX136P-51A	38.88	36.88	38.25	255
4SHP22LX148P-51A	38.88	36.88	43.75	358
4SHP22LX160P-51A	38.88	36.88	43.75	361

*Note: Dimensions listed are unit sizes w/o packaging
Weights listed are unit weights with packaging*



SOUND RATINGS

Model	Sound Power ¹ (Low)	Estimated Sound Pressure (dBA) ²			Sound Power ¹ (High)	Estimated Sound Pressure (dBA) ²		
		Approximate Distance ³				Approximate Distance ³		
		One Meter (3.3 feet)	Two Meters (6.6 feet)	Three Meters (9.8 feet)		One Meter (3.3 feet)	Two Meters (6.6 feet)	Three Meters (9.8 feet)
4SHP22LX124P-51A	63	55	49	45	71	63	57	53
4SHP22LX136P-51A	61	53	47	43	74	66	60	56
4SHP22LX148P-51A	66	58	52	48	72	64	58	54
4SHP22LX160P-51A	64	56	50	46	77	69	63	59

1 Rated in accordance with AHRI standard 270 (2015)
 2 Rated in accordance with AHRI standard 275 (2010)
 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

REFRIGERATION DATA

Model	Refrig. Charge (oz.) *	TXV	Refrigerant Line Size		Outdoor Unit Connection		Indoor Unit Connection	
			Suction	Liquid	Suction	Liquid	Suction	Liquid
4SHP22LX124P-51A	176	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4SHP22LX136P-51A	182	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4SHP22LX148P-51A	172	H4TXV03	7/8	3/8	7/8	3/8	7/8	3/8
4SHP22LX160P-51A	217	H4TXV03	1-1/8	3/8	1-1/8	3/8	7/8	3/8

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

COOLING PERFORMANCE WITH DTC¹

Outdoor Model	Indoor Model	Cooling				Heating				High CFM	Med CFM	Low CFM	
		SEER ²	EER ²	AHRI Rated Capacity ²	Sensible Capacity	HSPF ²	47°		17°				
							Btuh	COP	Btuh				COP
4SHP22LX124P-51A	BCE7S30M	21.0	13.5	24,000	19,000	9.0	22,400	3.90	14,300	2.80	800	500	350
4SHP22LX136P-51A	BCE7S36M	20.0	12.0	34,200	27,000	9.0	33,400	3.40	22,800	2.60	1170	750	415
4SHP22LX148P-51A	BCE7S60M	19.5	12.0	47,000	36,500	8.5	44,500	3.50	27,200	2.35	1600	1000	770
4SHP22LX160P-51A	BCE7S60M	19.0	12.0	55,000	41,500	8.7	55,500	3.30	37,000	2.40	1800	1100	920

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 air handler products

NOTE:

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

COOLING PERFORMANCE EXTENDED RATINGS

4SH22LX124P-51A- BCE7S30M (MAXIMUM CAPACITY)

Entering 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 Input		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input					
cfm	L/s	kBtu/h	kW	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	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						
700	330	23.0	6.7	1370	.94	1.00	.97	1.00	1.00	20.6	6.0	1700	1.00	1.00	1.00	19.6	5.7	1910	1.00	1.00	1.00	18.4	5.4	2130	1.00	1.00	1.00
800	380	24.2	7.1	1300	.99	1.00	1.00	1.00	1.00	21.8	6.4	1700	1.00	1.00	1.00	20.4	6.0	1910	1.00	1.00	1.00	19.2	5.6	2140	1.00	1.00	1.00
900	425	25.0	7.3	1290	1.00	1.00	1.00	1.00	1.00	22.4	6.6	1700	1.00	1.00	1.00	21.2	6.2	1920	1.00	1.00	1.00	19.9	5.8	2140	1.00	1.00	1.00
700	330	24.0	7.0	1300	.77	.90	.79	.94	1.00	21.2	6.2	1700	.81	.97	1.00	19.6	5.7	1910	.84	1.00	1.00	18.4	5.4	2130	.87	1.00	1.00
800	380	24.6	7.2	1300	.80	.95	.82	.98	1.00	21.8	6.4	1700	.85	1.00	1.00	20.4	6.0	1910	.88	1.00	1.00	19.2	5.6	2140	.92	1.00	1.00
900	425	25.2	7.4	1290	.83	.99	.86	1.00	1.00	22.4	6.6	1700	.89	1.00	1.00	21.2	6.2	1920	.92	1.00	1.00	19.9	5.8	2140	.96	1.00	1.00
700	330	25.4	7.4	1290	.61	.74	.62	.76	.90	22.6	6.6	1700	.64	.79	.93	21.0	6.2	1920	.65	.81	.97	19.6	5.7	2140	.67	.84	1.00
800	380	26.2	7.7	1280	.63	.78	.64	.78	.92	24.8	7.3	1480	.66	.83	.99	23.2	6.8	1700	.66	.83	.99	21.6	6.3	1920	.68	.86	1.00
900	425	26.8	7.9	1270	.65	.80	.66	.83	.99	25.4	7.4	1480	.68	.86	1.00	22.2	6.5	1920	.71	.90	1.00	20.6	6.0	2150	.73	.94	1.00
700	330	27.0	7.9	1270	.47	.59	.47	.61	.74	24.0	7.0	1690	.48	.62	.76	22.4	6.6	1920	.49	.64	.79	21.0	6.2	2150	.50	.66	.82
800	380	27.8	8.1	1260	.48	.62	.49	.63	.77	24.8	7.3	1690	.49	.65	.80	23.0	6.7	1920	.50	.67	.83	21.6	6.3	2150	.51	.69	.87
900	425	28.4	8.3	1260	.49	.64	.49	.65	.80	25.4	7.4	1690	.51	.67	.84	23.8	7.0	1920	.52	.70	.88	22.0	6.4	2160	.53	.72	.91

4SH22LX124P-51A- BCE7S30M (INTERMEDIATE CAPACITY)

Entering 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 Input		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input					
cfm	L/s	kBtu/h	kW	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	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						
420	200	14.5	4.2	580	.92	1.00	.94	1.00	1.00	13.2	3.9	820	.97	1.00	1.00	12.5	3.7	950	1.00	1.00	1.00	11.6	3.4	1090	1.00	1.00	1.00
500	235	15.5	4.5	570	.98	1.00	1.00	1.00	1.00	14.1	4.1	810	1.00	1.00	1.00	13.2	3.9	940	1.00	1.00	1.00	12.4	3.6	1080	1.00	1.00	1.00
580	275	16.2	4.7	550	1.00	1.00	1.00	1.00	1.00	14.8	4.3	800	1.00	1.00	1.00	13.8	4.0	940	1.00	1.00	1.00	13.0	3.8	1080	1.00	1.00	1.00
420	200	15.2	4.5	570	.75	.89	.77	.91	1.00	13.6	4.0	810	.79	.94	1.00	12.7	3.7	950	.82	.97	1.00	11.7	3.4	1090	.85	1.00	1.00
500	235	15.9	4.7	560	.79	.94	.81	.97	1.00	14.2	4.2	810	.84	1.00	1.00	13.2	3.9	940	.87	1.00	1.00	12.4	3.6	1080	.91	1.00	1.00
580	275	16.4	4.8	550	.83	1.00	.85	1.00	1.00	14.8	4.3	800	.89	1.00	1.00	13.8	4.0	940	.92	1.00	1.00	13.0	3.8	1080	.97	1.00	1.00
420	200	16.2	4.7	560	.60	.73	.61	.74	.87	14.5	4.2	800	.62	.76	.90	13.5	4.0	940	.64	.79	.93	12.5	3.7	1080	.66	.82	.98
500	235	16.9	5.0	540	.63	.77	.64	.79	.93	15.0	4.4	800	.65	.81	.97	14.0	4.1	940	.67	.84	1.00	13.0	3.8	1080	.70	.88	1.00
580	275	17.4	5.1	530	.64	.81	.66	.83	.99	15.5	4.5	790	.69	.86	1.00	14.4	4.2	930	.71	.90	1.00	13.3	3.9	1080	.73	.94	1.00
420	200	17.1	5.0	540	.47	.58	.47	.60	.72	15.3	4.5	790	.47	.61	.74	14.3	4.2	930	.48	.62	.76	13.4	3.9	1080	.49	.64	.79
500	235	17.8	5.2	520	.48	.61	.48	.63	.76	16.0	4.7	790	.49	.64	.79	14.9	4.4	930	.50	.66	.82	13.9	4.1	1070	.51	.68	.85
580	275	18.4	5.4	510	.49	.64	.49	.66	.80	16.4	4.8	780	.51	.67	.83	15.4	4.5	920	.52	.70	.87	14.3	4.2	1070	.53	.72	.91

COOLING PERFORMANCE EXTENDED RATINGS

4SHP22LX124P-51A- BCE7S30M (MINIMUM CAPACITY)

Entering 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)		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	L/s	kBtuh	kW	Comp. Motor Watts Input	Indoor Dry Bulb	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	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		
59°F (15°C)	310	145	10.6	3.1	380	.93	1.00	1.00	1.01	1.00	9.5	2.8	550	.99	1.00	1.00	8.9	2.6	650	1.00	1.00	1.00
	350	165	11.0	3.2	370	.97	1.00	1.00	10.5	1.00	9.9	2.9	550	1.00	1.00	1.00	9.3	2.7	650	1.00	1.00	1.00
	395	185	11.5	3.4	370	1.00	1.00	1.00	11.0	1.00	10.4	3.0	540	1.00	1.00	1.00	9.7	2.8	640	1.00	1.00	1.00
63°F (17.2°C)	310	145	11.0	3.2	380	.75	.90	1.00	10.3	1.00	9.6	2.8	550	.80	.96	1.00	9.0	2.6	650	.82	.99	1.00
	350	165	11.3	3.3	370	.78	.94	1.00	10.6	1.00	10.0	2.9	550	.83	1.00	1.00	9.3	2.7	640	.86	1.00	1.00
	395	185	11.6	3.4	370	.81	.98	1.00	11.0	1.00	10.4	3.0	540	.87	1.00	1.00	9.7	2.8	640	.91	1.00	1.00
67°F (19.4°C)	310	145	11.6	3.4	370	.59	.73	.86	11.0	1.00	10.3	3.0	540	.61	.77	.92	9.6	2.8	640	.63	.80	.96
	350	165	12.0	3.5	360	.61	.76	.90	11.4	1.00	10.6	3.1	540	.64	.80	.96	9.9	2.9	640	.65	.83	1.00
	395	185	12.3	3.6	350	.63	.79	.94	11.7	1.00	10.9	3.2	540	.66	.84	1.00	10.1	3.0	640	.68	.88	1.00
71°F (21.7°C)	310	145	12.3	3.6	350	.45	.57	.70	11.7	1.00	11.0	3.2	540	.45	.60	.74	10.3	3.0	640	.46	.62	.77
	350	165	12.7	3.7	350	.45	.59	.73	12.1	1.00	11.4	3.3	530	.46	.62	.77	10.6	3.1	630	.47	.64	.80
	395	185	13.1	3.8	340	.46	.61	.76	12.4	1.00	11.7	3.4	530	.47	.64	.81	10.8	3.2	630	.48	.67	.85

COOLING PERFORMANCE EXTENDED RATINGS

4SH22LX136P-51A- BCE7S36M (MAXIMUM CAPACITY)

Entering 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 Input		Indoor Dry Bulb		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Indoor Dry Bulb		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Indoor Dry Bulb										
cfm	L/s	kBtu/h	kW	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	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C										
59°F (15°C)		1100	520	33.4	9.8	2100	.97	1.00	1.00	32.0	9.4	2370	.99	1.00	1.00	30.4	8.9	2660	1.00	1.00	28.8	8.4	2970	1.00	1.00	1.00	27.0	7.9	3310	1.00	1.00	1.00	1.00	
		1170	550	34.0	10.0	2100	.99	1.00	1.00	32.6	9.6	2380	1.00	1.00	1.00	31.0	9.1	2660	1.00	1.00	29.4	8.6	2980	1.00	1.00	1.00	27.6	8.1	3310	1.00	1.00	1.00	1.00	
		1350	635	35.8	10.5	2100	1.00	1.00	1.00	34.0	10.0	2370	1.00	1.00	1.00	32.2	9.4	2670	1.00	1.00	30.6	9.0	2990	1.00	1.00	1.00	28.8	8.4	3330	1.00	1.00	1.00	1.00	
63°F (17.2°C)		1100	520	34.4	10.1	2100	.79	.93	1.00	32.6	9.6	2380	.81	.96	1.00	30.8	9.0	2660	.83	.99	28.8	8.4	2970	.86	1.00	1.00	27.0	7.9	3310	.89	1.00	1.00	1.00	
		1170	550	35.0	10.3	2100	.80	.95	1.00	33.2	9.7	2380	.82	.98	1.00	31.2	9.1	2660	.85	1.00	29.4	8.6	2980	.87	1.00	1.00	27.6	8.1	3310	.91	1.00	1.00	1.00	
		1350	635	35.8	10.5	2090	.83	1.00	1.00	34.2	10.0	2370	.86	1.00	1.00	32.6	9.6	2670	.89	1.00	30.6	9.0	2990	.93	1.00	1.00	28.8	8.4	3330	.97	1.00	1.00	1.00	1.00
67°F (19.4°C)		1100	520	36.6	10.7	2090	.62	.76	.90	34.8	10.2	2370	.64	.78	.92	32.8	9.6	2670	.65	.81	30.8	9.0	2990	.67	.83	.99	28.6	8.4	3330	.69	.87	1.00	1.00	1.00
		1170	550	37.0	10.8	2090	.64	.78	.92	35.2	10.3	2370	.65	.80	.95	33.2	9.7	2670	.66	.82	31.2	9.1	2990	.68	.85	1.00	29.0	8.5	3330	.70	.89	1.00	1.00	
		1350	635	38.0	11.1	2090	.66	.82	.97	36.0	10.6	2370	.67	.84	1.00	34.2	10.0	2670	.69	.87	31.8	9.3	2990	.71	.90	1.00	29.6	8.7	3340	.74	.95	1.00	1.00	
71°F (21.7°C)		1100	520	38.5	11.3	2080	.48	.61	.74	36.8	10.8	2370	.48	.62	.76	35.0	10.3	2680	.49	.64	32.8	9.6	3000	.50	.65	.81	30.6	9.0	3340	.51	.68	.84	1.00	1.00
		1170	550	39.0	11.4	2080	.48	.62	.75	37.4	11.0	2370	.49	.64	.78	35.4	10.4	2680	.50	.65	33.2	9.7	3000	.51	.67	.83	31.0	9.1	3350	.52	.69	.86	1.00	1.00
		1350	635	40.5	11.9	2070	.50	.65	.79	38.5	11.3	2360	.50	.66	.82	36.2	10.6	2670	.51	.68	34.0	10.0	3010	.52	.70	.88	31.6	9.3	3360	.53	.73	.92	1.00	1.00

4SH22LX136P-51A- BCE7S36M (INTERMEDIATE CAPACITY)

Entering 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 Input		Indoor Dry Bulb		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Indoor Dry Bulb		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Indoor Dry Bulb									
cfm	L/s	kBtu/h	kW	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	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C									
59°F (15°C)		650	305	19.4	5.7	760	.99	1.00	1.00	18.6	5.5	910	1.00	1.00	1.00	17.6	5.2	1070	1.00	1.00	16.7	4.9	1230	1.00	1.00	1.00	15.6	4.6	1400	1.00	1.00	1.00	
		740	350	20.2	5.9	750	1.00	1.00	1.00	19.3	5.7	900	1.00	1.00	1.00	18.3	5.4	1060	1.00	1.00	17.3	5.1	1220	1.00	1.00	1.00	16.3	4.8	1400	1.00	1.00	1.00	
		830	390	21.0	6.2	750	1.00	1.00	1.00	19.9	5.8	890	1.00	1.00	1.00	18.9	5.5	1050	1.00	1.00	17.8	5.2	1220	1.00	1.00	1.00	16.8	4.9	1400	1.00	1.00	1.00	1.00
63°F (17.2°C)		650	305	19.8	5.8	760	.81	.95	1.00	18.7	5.5	910	.82	.98	1.00	17.6	5.2	1060	.85	1.00	16.6	4.9	1230	.88	1.00	1.00	15.7	4.6	1400	.92	1.00	1.00	1.00
		740	350	20.4	6.0	750	.83	1.00	1.00	19.3	5.7	900	.87	1.00	1.00	18.3	5.4	1060	.89	1.00	17.3	5.1	1220	.93	1.00	1.00	16.3	4.8	1400	.97	1.00	1.00	1.00
		830	390	21.0	6.2	750	.87	1.00	1.00	20.0	5.9	890	.90	1.00	1.00	18.9	5.5	1050	.93	1.00	17.8	5.2	1220	.98	1.00	1.00	16.8	4.9	1400	1.00	1.00	1.00	1.00
67°F (19.4°C)		650	305	21.0	6.2	750	.63	.78	.92	19.9	5.8	890	.64	.80	.95	18.7	5.5	1050	.66	.82	17.5	5.1	1220	.68	.86	1.00	16.4	4.8	1400	.70	.89	1.00	1.00
		740	350	21.4	6.3	750	.66	.81	.97	20.4	6.0	880	.67	.83	1.00	19.2	5.6	1050	.69	.87	18.0	5.3	1220	.71	.91	1.00	16.7	4.9	1400	.73	.94	1.00	1.00
		830	390	22.0	6.4	720	.68	.85	1.00	20.8	6.1	880	.70	.88	1.00	19.6	5.7	1040	.72	.91	18.3	5.4	1220	.74	.95	1.00	17.0	5.0	1390	.77	.99	1.00	1.00
71°F (21.7°C)		650	305	22.2	6.5	710	.48	.62	.76	21.0	6.2	870	.49	.63	.77	19.8	5.8	1040	.49	.65	18.6	5.5	1210	.50	.67	.83	17.4	5.1	1390	.51	.69	.86	1.00
		740	350	22.8	6.7	700	.49	.64	.79	21.6	6.3	860	.50	.66	.81	20.4	6.0	1030	.51	.67	19.1	5.6	1210	.52	.70	.88	17.9	5.2	1390	.53	.73	.91	1.00
		830	390	23.2	6.8	690	.50	.67	.83	22.0	6.4	860	.51	.68	.85	20.8	6.1	1030	.53	.71	19.4	5.7	1210	.54	.73	.92	18.2	5.3	1390	.55	.76	.97	1.00

COOLING PERFORMANCE EXTENDED RATINGS

4SHP22LX136P-51A- BCE7S36M (MINIMUM CAPACITY)

Entering 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)		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	L/s	kBtuh	kW	Comp. Motor Watts Input	Indoor Dry Bulb	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	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	
375	175	11.1	3.3	370	1.00	1.00	1.00	1.00	1.00	1.00	450	1.00	1.00	1.00	1.00	550	1.00	1.00	1.00	1.00	660	1.00	1.00	1.00	1.00	1.00
415	195	11.5	3.4	360	1.00	1.00	1.00	1.00	1.00	1.00	450	1.00	1.00	1.00	1.00	540	1.00	1.00	1.00	1.00	650	1.00	1.00	1.00	1.00	1.00
465	220	12.0	3.5	350	1.00	1.00	1.00	1.00	1.00	1.00	440	1.00	1.00	1.00	1.00	540	1.00	1.00	1.00	1.00	650	1.00	1.00	1.00	1.00	1.00
375	175	11.2	3.3	360	.82	.98	1.00	.84	1.00	1.00	450	.84	1.00	1.00	1.00	550	.87	1.00	1.00	.87	650	.91	1.00	1.00	1.00	1.00
415	195	11.5	3.4	360	.85	1.00	1.00	.88	1.00	1.00	450	.88	1.00	1.00	1.00	540	.91	1.00	1.00	.91	650	.95	1.00	1.00	1.00	1.00
485	220	12.0	3.5	350	.89	1.00	1.00	.92	1.00	1.00	440	.92	1.00	1.00	1.00	540	.96	1.00	1.00	.96	650	1.00	1.00	1.00	1.00	1.00
375	175	12.0	3.5	350	.64	.80	.95	.66	.82	.98	440	.66	.82	.98	1.00	540	.67	.85	1.00	.67	650	.70	.88	1.00	1.00	1.00
415	195	12.2	3.6	340	.66	.83	.99	.68	.85	1.00	440	.68	.85	1.00	1.00	540	.70	.88	1.00	.70	650	.72	.92	1.00	1.00	1.00
465	220	12.5	3.7	340	.69	.87	1.00	.70	.89	1.00	430	.70	.89	1.00	1.00	530	.72	.93	1.00	.72	640	.75	.97	1.00	1.00	1.00
375	175	12.8	3.8	330	.48	.63	.77	.49	.64	.79	430	.49	.64	.79	1.00	530	.50	.66	.82	.50	640	.51	.68	.85	1.00	1.00
415	195	13.1	3.8	320	.50	.65	.80	.50	.66	.82	420	.50	.66	.82	1.00	520	.51	.68	.85	.51	630	.52	.71	.89	1.00	1.00
465	220	13.4	3.9	320	.50	.68	.84	.52	.69	.87	420	.52	.69	.87	1.00	520	.52	.71	.90	.52	630	.54	.74	.94	1.00	1.00

COOLING PERFORMANCE EXTENDED RATINGS

4SHP22LX148P-51A- BCE7S60M (MAXIMUM CAPACITY)

Table with 4 columns for outdoor air temperature entering the outdoor coil (95°F, 105°F, 115°F, 125°F) and multiple rows for entering wet bulb temperatures (59°F to 85°F). Each cell contains a grid of Total Cooling Capacity (kBtuh, kW), Sensible to Total Ratio (S/T), and Motor Wattage Input.

4SHP22LX148P-51A- BCE7S60M (INTERMEDIATE CAPACITY)

Table with 4 columns for outdoor air temperature entering the outdoor coil (95°F, 105°F, 115°F, 125°F) and multiple rows for entering wet bulb temperatures (59°F to 85°F). Each cell contains a grid of Total Cooling Capacity (kBtuh, kW), Sensible to Total Ratio (S/T), and Motor Wattage Input.

COOLING PERFORMANCE EXTENDED RATINGS

4SHP22LX148P-51A- BCE7S60M (MINIMUM CAPACITY)

Total Air Volume		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)		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	L/s	kBtuh	kW	Comp. Motor Watts Input	Indoor Dry Bulb	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	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						
59°F (15°C)	700	330	20.8	6.1	770	.99	1.00	1.00	20.0	5.9	980	1.00	1.00	1.00	19.3	5.7	1200	1.00	1.00	1.00	18.5	5.4	1420	1.00	1.00	1.00
	750	355	21.2	6.2	760	1.00	1.00	1.00	20.6	6.0	970	1.00	1.00	1.00	19.8	5.8	1190	1.00	1.00	1.00	18.9	5.5	1420	1.00	1.00	1.00
	800	380	21.8	6.4	750	1.00	1.00	1.00	21.0	6.2	960	1.00	1.00	1.00	20.2	5.9	1180	1.00	1.00	1.00	19.1	5.6	1410	1.00	1.00	1.00
63°F (17.2°C)	700	330	21.0	6.2	760	.81	.96	1.00	20.2	5.9	980	.83	.98	1.00	19.4	5.7	1200	.85	1.00	1.00	18.5	5.4	1420	.88	1.00	1.00
	750	355	21.4	6.3	750	.82	.98	1.00	20.6	6.0	970	.85	1.00	1.00	19.8	5.8	1190	.87	1.00	1.00	18.9	5.5	1420	.90	1.00	1.00
	800	380	21.8	6.4	750	.84	1.00	1.00	21.0	6.2	960	.87	1.00	1.00	20.2	5.9	1180	.89	1.00	1.00	19.1	5.6	1410	.93	1.00	1.00
67°F (19.4°C)	700	330	22.4	6.6	740	.64	.78	.92	21.4	6.3	960	.65	.80	.95	20.4	6.0	1180	.67	.83	.98	19.3	5.7	1410	.68	.85	1.00
	750	355	22.8	6.7	730	.65	.80	.95	21.8	6.4	950	.66	.82	.98	20.6	6.0	1170	.68	.85	1.00	19.6	5.7	1410	.70	.88	1.00
	800	380	23.0	6.7	720	.66	.82	.97	22.0	6.4	950	.68	.84	1.00	21.0	6.2	1170	.69	.87	1.00	19.8	5.8	1400	.71	.90	1.00
71°F (21.7°C)	700	330	23.6	6.9	710	.48	.63	.76	22.6	6.6	940	.48	.64	.78	21.6	6.3	1160	.48	.65	.80	20.4	6.0	1390	.49	.67	.83
	750	355	24.0	7.0	710	.49	.64	.78	23.0	6.7	930	.49	.65	.80	22.0	6.4	1160	.50	.67	.82	20.8	6.1	1390	.50	.68	.85
	800	380	24.4	7.2	700	.50	.65	.80	23.2	6.8	930	.50	.67	.82	22.2	6.5	1150	.51	.68	.84	21.0	6.2	1380	.51	.70	.88

COOLING PERFORMANCE EXTENDED RATINGS

4SH22LX160P-51A- BCE7S60M (MAXIMUM CAPACITY)

Entering 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)																			
	Sensible To Total Ratio (S/T)		Comp. Motor Watts Input	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input														
	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW												
59°F (15° C)	1700	800	54.0	15.8	3290	.93	1.00	1.00	52.5	15.4	3730	.95	1.00	1.00	50.5	14.8	4240	.97	1.00	1.00	48.5	14.2	4870	1.00	1.00	1.00	46.5	13.6	5650	1.00	1.00	1.00
	1750	825	54.5	16.0	3300	.94	1.00	1.00	53.0	15.5	3730	.96	1.00	1.00	51.0	14.9	4240	.98	1.00	1.00	49.0	14.4	4880	1.00	1.00	1.00	47.0	13.8	5660	1.00	1.00	1.00
	1850	875	56.0	16.4	3300	.96	1.00	1.00	54.0	15.8	3730	.97	1.00	1.00	51.5	15.1	4250	.99	1.00	1.00	50.0	14.7	4890	1.00	1.00	1.00	47.5	13.9	5670	1.00	1.00	1.00
63°F (17.2° C)	1700	800	56.0	16.4	3300	.76	.90	1.00	53.5	15.7	3730	.78	.92	1.00	51.5	15.1	4250	.79	.94	1.00	49.5	14.5	4880	.81	.97	1.00	47.0	13.8	5660	.84	.99	1.00
	1750	825	56.5	16.6	3300	.77	.91	1.00	54.0	15.8	3730	.78	.93	1.00	52.0	15.2	4250	.80	.95	1.00	49.5	14.5	4890	.82	.98	1.00	47.0	13.8	5660	.85	1.00	1.00
	1850	875	57.0	16.7	3310	.78	.92	1.00	55.0	16.1	3740	.80	.94	1.00	52.5	15.4	4260	.82	.97	1.00	50.5	14.8	4890	.84	.99	1.00	47.5	13.9	5670	.86	1.00	1.00
67°F (19.4° C)	1700	800	59.5	17.4	3310	.62	.74	.86	57.0	16.7	3750	.62	.76	.88	54.5	16.0	4270	.63	.77	.91	52.0	15.2	4910	.64	.79	.94	49.5	14.5	5690	.66	.81	.97
	1750	825	59.5	17.4	3310	.62	.75	.88	57.5	16.9	3750	.63	.76	.89	54.5	16.0	4270	.64	.78	.92	52.5	15.4	4910	.65	.80	.95	49.5	14.5	5690	.66	.82	.98
	1850	875	60.5	17.7	3320	.63	.76	.89	57.5	16.9	3750	.64	.78	.91	55.5	16.3	4280	.65	.79	.94	53.0	15.5	4920	.66	.81	.97	50.0	14.7	5690	.67	.84	.99
71°F (21.7° C)	1700	800	62.0	18.2	3320	.47	.60	.72	60.0	17.6	3760	.47	.61	.73	57.0	16.7	4290	.48	.62	.75	54.5	16.0	4930	.48	.63	.77	51.5	15.1	5710	.49	.65	.79
	1750	825	62.5	18.3	3320	.47	.61	.73	60.0	17.6	3760	.48	.62	.74	57.5	16.9	4290	.48	.63	.76	55.0	16.1	4940	.49	.64	.78	52.0	15.2	5720	.49	.65	.80
	1850	875	63.5	18.6	3330	.48	.61	.74	60.5	17.7	3760	.48	.62	.75	58.0	17.0	4290	.49	.64	.77	55.0	16.1	4940	.49	.65	.79	52.5	15.4	5720	.50	.66	.81

4SH22LX160P-51A- BCE7S60M (INTERMEDIATE CAPACITY)

Entering 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)																				
	Sensible To Total Ratio (S/T)		Comp. Motor Watts Input	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input															
	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW	Indoor Dry Bulb	Indoor Dry Bulb		kBtuh	kW													
59°F (15° C)	1050	495	34.4	10.1	1460	.93	1.00	1.00	33.2	9.7	1750	.95	1.00	1.00	32.2	9.4	2050	.97	1.00	1.00	30.8	9.0	2380	1.00	1.00	1.00	29.4	8.6	2780	1.00	1.00	1.00	
	1110	525	35.0	10.3	1460	.94	1.00	1.00	33.8	9.9	1750	.97	1.00	1.00	32.6	9.6	2040	.99	1.00	1.00	31.2	9.1	2380	1.00	1.00	1.00	30.0	8.8	2770	1.00	1.00	1.00	
	1175	555	35.8	10.5	1450	.96	1.00	1.00	34.6	10.1	1740	.98	1.00	1.00	33.4	9.8	2040	1.00	1.00	1.00	31.8	9.3	2370	1.00	1.00	1.00	30.4	8.9	2770	1.00	1.00	1.00	
63°F (17.2° C)	1050	495	35.6	10.4	1450	.76	.89	1.00	34.2	10.0	1750	.78	.92	1.00	32.8	9.6	2040	.80	.94	1.00	31.0	9.1	2380	.82	.97	1.00	29.6	8.7	2780	1.00	1.00	1.00	
	1110	525	36.0	10.6	1450	.77	.91	1.00	34.6	10.1	1740	.79	.93	1.00	33.2	9.7	2040	.81	.96	1.00	31.6	9.3	2380	.83	.99	1.00	30.0	8.8	2770	1.00	1.00	1.00	
	1175	555	36.6	10.7	1440	.78	.93	1.00	35.0	10.3	1730	.80	.95	1.00	33.6	9.8	2030	.82	.98	1.00	32.0	9.4	2370	.84	1.00	1.00	30.4	8.9	2770	1.00	1.00	1.00	
67°F (19.4° C)	1050	495	37.8	11.1	1430	.61	.74	.86	36.2	10.6	1720	.62	.75	.88	34.4	10.1	2020	.63	.77	.91	32.8	9.6	2360	.64	.79	.93	31.0	9.1	2760	1.00	1.00	.82	.97
	1110	525	38.0	11.1	1420	.62	.75	.88	36.6	10.7	1720	.63	.77	.90	34.8	10.2	2020	.64	.79	.93	33.2	9.7	2350	.65	.81	.96	31.4	9.2	2750	1.00	1.00	.83	.99
	1175	555	38.5	11.3	1420	.63	.76	.89	37.0	10.8	1710	.64	.78	.92	35.2	10.3	2010	.65	.80	.94	33.6	9.8	2350	.66	.82	.98	31.8	9.3	2750	1.00	1.00	.85	1.00
71°F (21.7° C)	1050	495	40.0	11.7	1400	.47	.60	.72	38.0	11.1	1700	.48	.61	.73	36.4	10.7	2000	.48	.62	.75	34.6	10.1	2330	.48	.63	.77	32.8	9.6	2730	1.00	1.00	.65	.79
	1110	525	40.5	11.9	1400	.47	.61	.73	38.5	11.3	1700	.48	.62	.74	36.8	10.8	1990	.48	.63	.76	35.0	10.3	2330	.49	.64	.78	33.2	9.7	2720	1.00	1.00	.66	.81
	1175	555	41.0	12.0	1390	.48	.62	.74	39.0	11.4	1690	.48	.63	.76	37.2	10.9	1990	.49	.64	.78	35.6	10.4	2320	.49	.65	.80	33.6	9.8	2710	1.00	1.00	.67	.80

COOLING PERFORMANCE EXTENDED RATINGS

4SHP22LX16OP-51A- BCE7S60M (MINIMUM CAPACITY)

Entering 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 Input		Indoor Dry Bulb		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Indoor Dry Bulb		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input		Indoor Dry Bulb		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts Input	
59°F (15°C)	cfm	875	415	23.4	6.9	750	1.00	1.00	750	1.00	1.00	960	1.00	1.00	960	1.00	1.00	1190	1.00	1.00	1190	1.00	1.00	1430	1.00	1.00	1430	1.00	1.00
		915	430	23.6	6.9	750	1.00	1.00	960	1.00	1.00	960	1.00	1.00	1190	1.00	1.00	1190	1.00	1.00	1190	1.00	1.00	1430	1.00	1.00	1430	1.00	1.00
		965	455	24.0	7.0	740	1.00	1.00	960	1.00	1.00	960	1.00	1.00	1200	1.00	1.00	1200	1.00	1.00	1200	1.00	1.00	1430	1.00	1.00	1430	1.00	1.00
63°F (17.2°C)	cfm	875	415	23.4	6.9	750	.84	1.00	960	.86	1.00	960	.86	1.00	960	.86	1.00	1190	.89	1.00	1190	.89	1.00	1430	.92	1.00	1430	.92	1.00
		915	430	23.8	7.0	750	.85	1.00	960	.88	1.00	960	.88	1.00	1190	.90	1.00	1190	.90	1.00	1190	.90	1.00	1430	.94	1.00	1430	.94	1.00
		965	455	24.0	7.0	740	.87	1.00	960	.89	1.00	960	.89	1.00	1200	.92	1.00	1200	.92	1.00	1200	.92	1.00	1430	.96	1.00	1430	.96	1.00
67°F (19.4°C)	cfm	875	415	24.6	7.2	740	.66	.82	970	.68	.84	960	.68	.84	960	.68	.84	1200	.69	.87	1200	.69	.87	1430	.71	.90	1430	.71	.90
		915	430	25.0	7.3	740	.67	.83	970	.68	.85	960	.68	.85	1200	.70	.88	1200	.70	.88	1200	.70	.88	1430	.72	.92	1430	.72	.92
		965	455	25.2	7.4	740	.68	.85	970	.69	.87	970	.69	.87	1200	.71	.90	1200	.71	.90	1200	.71	.90	1440	.73	.94	1440	.73	.94
71°F (21.7°C)	cfm	875	415	26.0	7.6	740	.50	.65	970	.50	.66	970	.50	.66	970	.50	.66	1210	.51	.68	1210	.51	.68	1450	.52	.70	1450	.52	.70
		915	430	26.4	7.7	740	.50	.66	970	.50	.67	970	.50	.67	1210	.50	.67	1210	.50	.67	1210	.50	.67	1450	.53	.71	1450	.53	.71
		965	455	26.6	7.8	740	.51	.67	970	.51	.69	970	.51	.69	1210	.51	.68	1210	.51	.68	1210	.51	.68	1450	.53	.71	1450	.53	.71

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX124P-51A - BCE7S30M - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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				
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
350	165	11.5	3.4	495	10.8	3.2	485	10.1	3.0	480	9.3	2.7	475	9.3	2.7	475
355	170	11.5	3.4	490	10.8	3.2	485	10.1	3.0	480	9.3	2.7	475	9.3	2.7	475
400	190	11.7	3.4	465	11.0	3.2	455	10.2	3.0	450	9.5	2.8	445	9.5	2.8	445

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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			
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW		
800	380	28.1	8.2	1525	22.5	6.6	1410	16.9	5.0	1290	12.0	3.5	1155	6.0	1.8	855	6.0	1.8	855
900	425	28.2	8.3	1485	22.7	6.7	1370	17.0	5.0	1250	12.2	3.6	1115	6.2	1.8	810	6.2	1.8	810
950	450	28.4	8.3	1465	22.9	6.7	1350	17.2	5.0	1230	12.4	3.6	1100	6.4	1.9	795	6.4	1.9	795

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		1.49	1.46	1.43	1.41	1.39	1.37	1.32	1.28	1.26	1.25	1.24	1.23	1.22	1.19	1.12	1.04	0.97	0.89	0.81	0.74
Total Output	kBtuh	28.2	26.9	25.5	24.2	23.4	22.7	20.7	18.8	17.9	17	16.1	15.5	15	13.7	12.2	10.7	9.2	7.7	6.2	4.7
	kW	8.3	7.9	7.5	7.1	6.9	6.7	6.1	5.5	5.2	5	4.7	4.5	4.4	4	3.6	3.1	2.7	2.3	1.8	1.4
<u>COP</u>		4.75	4.61	4.42	4.27	4.18	4.08	3.84	3.58	3.45	3.3	3.14	3.05	2.97	2.77	2.63	2.47	2.3	2.09	1.83	1.55

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	350		355		400	
62°F Low	11065.243		489.814		11071.873	
47°F Low	---		---		8902.21	
CFM	800		900		950	
47°F	23322.877		1429.024		23436.501	
35°F	---		---		18777.257	
17°F	---		---		15512.77	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX124P-51A - BCE7S30M - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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		
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	Comp. Motor Watts Input
350	165	11.2	3.3	535	10.5	3.1	530	9.8	2.9	520	9.1	2.7	515	
355	170	11.3	3.3	535	10.5	3.1	525	9.8	2.9	520	9.1	2.7	510	
400	190	11.4	3.3	505	10.7	3.1	500	10.0	2.9	490	9.3	2.7	485	

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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				
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	Comp. Motor Watts Input		
800	380	27.7	8.1	1625	22.1	6.5	1490	16.4	4.8	1350	11.6	3.4	1205	5.8	1.7	890
900	425	27.9	8.2	1585	22.3	6.5	1450	16.6	4.9	1310	11.8	3.5	1160	6.0	1.8	850
950	450	28.1	8.2	1565	22.6	6.6	1435	16.8	4.9	1295	12.0	3.5	1145	6.2	1.8	835

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		1.59	1.55	1.52	1.49	1.47	1.45	1.4	1.34	1.33	1.31	1.3	1.29	1.27	1.24	1.16	1.09	1.01	0.93	0.85	0.77
Total Output	kBtuh	27.9	26.6	25.3	23.9	23.1	22.3	20.4	18.4	17.5	16.6	15.7	15.1	14.6	13.3	11.8	10.4	8.9	7.5	6	4.5
	kW	8.2	7.8	7.4	7	6.8	6.5	6	5.4	5.1	4.9	4.6	4.4	4.3	3.9	3.5	3	2.6	2.2	1.8	1.3
<u>COP</u>		4.44	4.31	4.16	4	3.91	3.82	3.6	3.35	3.22	3.1	2.97	2.87	2.8	2.6	2.45	2.33	2.16	1.96	1.72	1.42

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	350		355		400	
62°F Low	10820.529		532.595		10827.913 529.886 11007.339 502.178	
47°F Low	---		---		8701.139 507.195 --- ---	
CFM	800		900		950	
47°F	22927.448 1511.444		23131.705 1471.123		23336.973 1454.932	
35°F	---		---		18424.25 1340.945 --- ---	
17°F	---		---		15137.893 1284.341 --- ---	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX124P-51A - BCE7S30M - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW		
350	165	11.0	3.2	580	10.3	3.0	575	9.6	2.8	565	8.9	2.6	555	8.9	2.6		
355	170	11.0	3.2	580	10.3	3.0	570	9.6	2.8	560	8.9	2.6	550	8.9	2.6		
400	190	11.2	3.3	550	10.5	3.1	540	9.8	2.9	535	9.1	2.7	525	9.1	2.7		

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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	kBtuh	kW	kBtuh	kW	kBtuh	kW		
800	380	27.2	8.0	1720	21.7	6.4	1570	16.1	4.7	1415	11.4	3.3	1255	5.7	1.7	930	5.7	1.7	930		
900	425	27.4	8.0	1680	21.9	6.4	1530	16.3	4.8	1375	11.6	3.4	1215	5.9	1.7	890	5.9	1.7	890		
950	450	27.6	8.1	1665	22.1	6.5	1515	16.5	4.8	1355	11.8	3.5	1200	6.1	1.8	870	6.1	1.8	870		

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		1.68	1.65	1.61	1.58	1.56	1.53	1.47	1.41	1.39	1.38	1.36	1.35	1.33	1.3	1.22	1.14	1.05	0.97	0.89	0.81
Total Output	kBtuh	27.4	26.1	24.8	23.5	22.7	21.9	20	18	17.2	16.3	15.4	14.8	14.3	13	11.6	10.2	8.7	7.3	5.9	4.5
	kW	8	7.6	7.3	6.9	6.7	6.4	5.9	5.3	5	4.8	4.5	4.3	4.2	3.8	3.4	3	2.5	2.1	1.7	1.3
<u>COP</u>		4.14	4.02	3.89	3.76	3.67	3.58	3.39	3.16	3.05	2.91	2.79	2.69	2.64	2.44	2.33	2.2	2.02	1.84	1.63	1.37

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	350		355		400	
62°F Low	10567.331		576.329		10573.301	
47°F Low	---		---		8493.109	
CFM	800		900		950	
47°F	22487.211		1595.792		22698.463	
35°F	---		---		18048.547	
17°F	---		---		14849.007	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX136P-51A - BCE7S36M - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW		
600	285	11.8	3.5	390	11.3	3.3	390	10.7	3.1	395	10.1	3.0	395	10.1	3.0		
650	305	11.9	3.5	380	11.3	3.3	380	10.7	3.1	385	10.1	3.0	385	10.1	3.0		
700	330	11.9	3.5	370	11.4	3.3	370	10.8	3.2	375	10.2	3.0	375	10.2	3.0		

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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	kBtuh	kW	kBtuh	kW	kBtuh	kW		
1200	565	41.4	12.1	2530	33.7	9.9	2300	26.0	7.6	2065	18.3	5.4	1790	9.1	2.7	1325	9.1	2.7	1325		
1300	615	41.6	12.2	2485	34.0	10.0	2255	26.3	7.7	2020	18.5	5.4	1745	9.3	2.7	1280	9.3	2.7	1280		
1400	660	42.0	12.3	2450	34.4	10.1	2215	26.7	7.8	1980	18.9	5.5	1705	9.7	2.8	1240	9.7	2.8	1240		

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		2.49	2.43	2.38	2.32	2.28	2.26	2.19	2.12	2.07	2.02	1.97	1.94	1.92	1.86	1.75	1.63	1.52	1.4	1.28	1.17
Total Output	kBtuh	41.6	39.7	37.8	36	34.8	34	31.9	29.8	28.1	26.3	24.5	23.5	22.7	20.8	18.5	16.2	13.9	11.6	9.3	7
	kW	12.2	11.6	11.1	10.6	10.2	10	9.3	8.7	8.2	7.7	7.2	6.9	6.7	6.1	5.4	4.7	4.1	3.4	2.7	2.1
<u>COP</u>		4.04	3.93	3.82	3.7	3.62	3.57	3.44	3.29	3.17	3.02	2.86	2.78	2.7	2.54	2.41	2.26	2.09	1.9	1.66	1.38

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	600		650		700	
62°F Low	11494.464		391.116		11511.595	
47°F Low	---		---		9747.725	
CFM	1200		1300		1400	
47°F	34557.406		2327.423		34819.892	
35°F	---		---		29826.381	
17°F	---		---		23479.26	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX136P-51A - BCE7S36M - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW		
600	285	11.7	3.4	430	11.1	3.3	435	10.5	3.1	435	9.9	2.9	435				
650	305	11.8	3.5	420	11.2	3.3	420	10.6	3.1	425	10.0	2.9	425				
700	330	11.8	3.5	410	11.2	3.3	415	10.6	3.1	415	10.0	2.9	415				

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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	kBtuh	kW	kBtuh	kW	kBtuh	kW		
1200	565	40.8	12.0	2670	33.2	9.7	2415	25.6	7.5	2155	17.9	5.2	1865	8.9	2.6	1380					
1300	615	41.1	12.0	2630	33.5	9.8	2370	25.9	7.6	2110	18.2	5.3	1820	9.2	2.7	1340					
1400	660	41.4	12.1	2590	33.9	9.9	2335	26.2	7.7	2075	18.6	5.5	1780	9.6	2.8	1300					

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		2.63	2.57	2.51	2.44	2.41	2.37	2.3	2.22	2.17	2.11	2.06	2.03	2.01	1.94	1.82	1.7	1.58	1.46	1.34	1.22
Total Output	kBtuh	41.1	39.2	37.3	35.5	34.3	33.5	31.4	29.3	27.6	25.9	24.1	23.1	22.4	20.5	18.2	16	13.7	11.5	9.2	6.9
	kW	12	11.5	10.9	10.4	10.1	9.8	9.2	8.6	8.1	7.6	7.1	6.8	6.6	6	5.3	4.7	4	3.4	2.7	2
<u>COP</u>		3.81	3.7	3.61	3.5	3.42	3.37	3.25	3.12	3	2.86	2.72	2.63	2.58	2.42	2.29	2.16	2	1.81	1.59	1.31

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	600		650		700	
62°F Low	11373.106		432.91		11396.299	
47°F Low	---		---		9604.999	
CFM	1200		1300		1400	
47°F	34039.158		2446.321		34330.591	
35°F	---		---		29313.87	
17°F	---		---		23109.763	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX136P-51A - BCE7S36M - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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	
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
600	285	11.6	3.4	475	11.0	3.2	475	10.4	3.0	475	9.8	2.9	475
650	305	11.6	3.4	465	11.0	3.2	465	10.4	3.0	465	9.8	2.9	465
700	330	11.7	3.4	455	11.1	3.3	455	10.5	3.1	455	9.9	2.9	455

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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				
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1200	565	40.0	11.7	2805	32.7	9.6	2535	25.3	7.4	2255	17.8	5.2	1950	8.8	2.6	1445
1300	615	40.3	11.8	2760	33.0	9.7	2490	25.6	7.5	2210	18.1	5.3	1905	9.1	2.7	1400
1400	660	40.7	11.9	2725	33.3	9.8	2450	25.9	7.6	2175	18.5	5.4	1870	9.5	2.8	1365

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		2.76	2.7	2.63	2.57	2.53	2.49	2.41	2.32	2.27	2.21	2.16	2.13	2.1	2.03	1.91	1.78	1.66	1.53	1.4	1.28
Total Output	kBtuh	40.3	38.5	36.7	34.9	33.8	33	30.9	28.9	27.2	25.6	23.9	22.9	22.2	20.4	18.1	15.9	13.6	11.4	9.1	6.9
	kW	11.8	11.3	10.8	10.2	9.9	9.7	9.1	8.5	8	7.5	7	6.7	6.5	6	5.3	4.7	4	3.3	2.7	2
<u>COP</u>		3.59	3.49	3.4	3.3	3.24	3.2	3.08	2.97	2.85	2.73	2.59	2.52	2.46	2.33	2.2	2.07	1.91	1.74	1.51	1.26

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	600		650		700	
62°F Low	11232.176		476.211		11259.244	
47°F Low	---		---		9482.946	
CFM	1200		1300		1400	
47°F	33517.085		2567.88		33792.639	
35°F	---		---		28859.193	
17°F	---		---		22911.995	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX148P-51A - BCE7S60M - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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	
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
925	435	21.0	6.2	735	19.7	5.8	745	18.4	5.4	755	17.2	5.0	765
975	460	20.9	6.1	720	19.7	5.8	730	18.4	5.4	740	17.1	5.0	750
1025	485	21.0	6.2	705	19.8	5.8	715	18.5	5.4	725	17.2	5.0	735

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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				
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW			
1450	685	55.0	16.1	3125	43.2	12.7	2925	31.2	9.1	2725	20.5	6.0	2430	10.4	3.0	1795
1650	780	55.5	16.3	3015	43.7	12.8	2815	31.7	9.3	2615	21.0	6.2	2325	10.8	3.2	1690
1850	875	56.4	16.5	2930	44.6	13.1	2735	32.6	9.6	2530	22.0	6.4	2240	11.8	3.5	1605

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		3.02	2.97	2.92	2.87	2.84	2.82	2.76	2.7	2.66	2.62	2.58	2.55	2.53	2.48	2.33	2.17	2.01	1.85	1.69	1.53
Total Output	kBtuh	55.5	52.6	49.7	46.8	45	43.7	40.2	36.8	34.2	31.7	29.2	27.6	26.5	23.6	21	18.5	15.9	13.4	10.8	8.3
	kW	16.3	15.4	14.6	13.7	13.2	12.8	11.8	10.8	10	9.3	8.6	8.1	7.8	6.9	6.2	5.4	4.7	3.9	3.2	2.4
COP		4.42	4.25	4.07	3.87	3.76	3.67	3.43	3.19	3	2.81	2.62	2.5	2.42	2.18	2.08	1.96	1.83	1.67	1.48	1.25

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	925		975		1025	
62°F Low	20216.4	742.526	20159.249	725.301	20266.217	709.255
47°F Low	---	---	16370.647	756.498	---	---
CFM	1450		1650		1850	
47°F	44568.949	2948.895	45048.855	2840.191	45994.055	2758.011
35°F	---	---	36768.63	2694.579	---	---
17°F	---	---	27635.012	2550.037	---	---

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX148P-51A - BCE7S60M - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
925	435	20.8	6.1	825	19.5	5.7	840	18.3	5.4	850	17.0	5.0	865	17.0	5.0	865	17.0	5.0
975	460	20.7	6.1	805	19.5	5.7	820	18.2	5.3	835	17.0	5.0	845	17.0	5.0	845	17.0	5.0
1025	485	20.8	6.1	790	19.6	5.7	805	18.4	5.4	815	17.1	5.0	830	17.1	5.0	830	17.1	5.0

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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	kBtuh	kW	kBtuh	kW	kBtuh	kW		
1450	685	54.4	15.9	3315	42.7	12.5	3110	30.9	9.1	2895	20.4	6.0	2590	10.3	3.0	1910	10.3	3.0	1910		
1650	780	54.9	16.1	3205	43.2	12.7	3000	31.4	9.2	2785	20.9	6.1	2480	10.8	3.2	1800	10.8	3.2	1800		
1850	875	55.8	16.4	3120	44.1	12.9	2910	32.2	9.4	2700	21.8	6.4	2390	11.6	3.4	1715	11.6	3.4	1715		

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		3.21	3.16	3.11	3.06	3.03	3	2.94	2.87	2.83	2.79	2.75	2.72	2.7	2.65	2.48	2.31	2.14	1.97	1.8	1.63
Total Output	kBtuh	54.9	52.1	49.2	46.3	44.6	43.2	39.8	36.3	33.8	31.4	28.9	27.5	26.3	23.4	20.9	18.4	15.8	13.3	10.8	8.2
	kW	16.1	15.3	14.4	13.6	13.1	12.7	11.7	10.6	9.9	9.2	8.5	8.1	7.7	6.9	6.1	5.4	4.6	3.9	3.2	2.4
<u>COP</u>		4.16	4	3.82	3.65	3.54	3.45	3.23	3	2.82	2.65	2.47	2.37	2.28	2.06	1.96	1.86	1.72	1.58	1.4	1.18

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	925		975		1025	
62°F Low	20030.978		833.587		19970.298	
47°F Low	---		---		16236.084	
CFM	1450		1650		1850	
47°F	44116.592		3133.713		44622.277	
35°F	---		---		36302.719	
17°F	---		---		27455.465	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX148P-51A - BCE7S60M - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
925	435	20.6	6.0	915	19.4	5.7	925	18.1	5.3	935	16.9	5.0	945	16.9	5.0	945	16.9	5.0
975	460	20.5	6.0	900	19.3	5.7	910	18.0	5.3	920	16.8	4.9	930	16.8	4.9	930	16.8	4.9
1025	485	20.7	6.1	885	19.4	5.7	895	18.2	5.3	905	16.9	5.0	915	16.9	5.0	915	16.9	5.0

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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	kBtuh	kW	kBtuh	kW	kBtuh	kW		
1450	685	53.8	15.8	3520	42.2	12.4	3300	30.5	8.9	3070	20.1	5.9	2745	10.1	3.0	2025	10.1	3.0	2025		
1650	780	54.3	15.9	3405	42.8	12.5	3185	31.0	9.1	2960	20.6	6.0	2630	10.6	3.1	1910	10.6	3.1	1910		
1850	875	55.2	16.2	3320	43.7	12.8	3100	31.9	9.3	2870	21.5	6.3	2545	11.5	3.4	1825	11.5	3.4	1825		

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		3.41	3.35	3.3	3.25	3.21	3.19	3.12	3.05	3.01	2.96	2.91	2.89	2.87	2.81	2.63	2.45	2.27	2.09	1.91	1.73
Total Output	kBtuh	54.3	51.5	48.7	45.8	44.1	42.8	39.4	36	33.5	31	28.6	27.1	26	23.1	20.6	18.1	15.6	13.1	10.6	8.1
	kW	15.9	15.1	14.3	13.4	12.9	12.5	11.5	10.6	9.8	9.1	8.4	7.9	7.6	6.8	6	5.3	4.6	3.8	3.1	2.4
<u>COP</u>		3.91	3.75	3.59	3.43	3.33	3.25	3.05	2.83	2.67	2.5	2.33	2.22	2.15	1.94	1.85	1.74	1.62	1.48	1.31	1.11

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	925		975		1025	
62°F Low	19866.077		922.96		19787.691	
47°F Low	---		---		16037.682	
CFM	1450		1650		1850	
47°F	43554.695		3324.572		4418.003	
35°F	---		---		35961.729	
17°F	---		---		27109.069	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX160P-51A - BCE7S60M - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW		
875	415	24.2	7.1	985	22.7	6.7	1000	21.2	6.2	1015	19.7	5.8	1030	19.7	5.8		
930	440	24.2	7.1	955	22.7	6.7	970	21.2	6.2	985	19.7	5.8	1000	19.7	5.8		
965	455	24.4	7.2	940	22.8	6.7	955	21.3	6.2	970	19.8	5.8	985	19.8	5.8		

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°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	kBtuh	kW	kBtuh	kW	kBtuh	kW		
1700	800	68.6	20.1	4295	55.1	16.1	3940	41.2	12.1	3565	29.3	8.6	3175	14.8	4.3	2330	14.8	4.3	2330		
1750	825	68.8	20.2	4260	55.3	16.2	3905	41.4	12.1	3530	29.4	8.6	3140	14.9	4.4	2290	14.9	4.4	2290		
1850	875	69.3	20.3	4195	55.8	16.4	3840	41.9	12.3	3465	30.0	8.8	3075	15.4	4.5	2230	15.4	4.5	2230		

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		4.26	4.18	4.1	4.01	3.96	3.91	3.76	3.61	3.57	3.53	3.49	3.47	3.44	3.35	3.14	2.93	2.72	2.51	2.29	2.08
Total Output	kBtuh	68.8	65.5	62.3	59	57.1	55.3	50.7	46.1	43.7	41.4	39	37.6	36.3	33	29.4	25.8	22.2	18.5	14.9	11.3
	kW	20.2	19.2	18.3	17.3	16.7	16.2	14.9	13.5	12.8	12.1	11.4	11	10.6	9.7	8.6	7.6	6.5	5.4	4.4	3.3
<u>COP</u>		3.99	3.86	3.73	3.59	3.51	3.44	3.24	3.04	2.91	2.79	2.66	2.58	2.51	2.32	2.21	2.08	1.94	1.75	1.54	1.29

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	875		930		965	
62°F Low	23302.091		992.795		23311.163	
47°F Low	---		---		18783.336	
CFM	1700		1750		1850	
47°F	56942.958		3997.943		57081.021	
35°F	---		---		46098.137	
17°F	---		---		37587.956	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX160P-51A - BCE7S60M - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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	
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
875	415	23.9	7.0	1095	22.4	6.6	1105	20.9	6.1	1120	19.4	5.7	1135
930	440	23.9	7.0	1065	22.4	6.6	1080	21.0	6.2	1090	19.5	5.7	1105
965	455	24.0	7.0	1045	22.5	6.6	1060	21.0	6.2	1075	19.5	5.7	1090

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°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				
CFM	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW			
1700	800	67.9	19.9	4560	54.6	16.0	4185	40.8	12.0	3785	29.1	8.5	3380	14.7	4.3	2480
1750	825	68.1	20.0	4520	54.7	16.0	4145	40.9	12.0	3745	29.2	8.6	3340	14.8	4.3	2440
1850	875	68.5	20.1	4450	55.1	16.1	4075	41.4	12.1	3675	29.7	8.7	3270	15.2	4.5	2365

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		4.52	4.44	4.35	4.26	4.21	4.15	3.98	3.82	3.79	3.75	3.71	3.69	3.66	3.57	3.34	3.12	2.89	2.67	2.44	2.22
Total Output	kBtuh	68.1	64.9	61.7	58.5	56.5	54.7	50.1	45.5	43.2	40.9	38.7	37.3	36	32.8	29.2	25.6	22	18.4	14.8	11.2
	kW	20	19	18.1	17.1	16.6	16	14.7	13.3	12.7	12	11.3	10.9	10.6	9.6	8.6	7.5	6.4	5.4	4.3	3.3
<u>COP</u>		3.76	3.64	3.52	3.39	3.3	3.24	3.05	2.86	2.74	2.62	2.51	2.43	2.37	2.2	2.09	1.96	1.82	1.65	1.46	1.22

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	875		930		965	
62°F Low	23024.617		1101.129		23046.704	
47°F Low	---		---		18555.773	
CFM	1700		1750		1850	
47°F	56400.838		4248.12		56538.188	
35°F	---		---		45475.632	
17°F	---		---		37320.062	

HEATING PERFORMANCE EXTENDED RATINGS

4SHP22LX160P-51A - BCE7S60M - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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		kBtuh	kW		kBtuh	kW		kBtuh	kW					
875	415	23.6	6.9	1205	22.1	6.5	1220	20.7	6.1	1235	19.2	5.6	1250				
930	440	23.6	6.9	1175	22.1	6.5	1190	20.7	6.1	1205	19.2	5.6	1220				
965	455	23.7	6.9	1155	22.2	6.5	1170	20.8	6.1	1185	19.3	5.7	1200				

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°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			
1700	800	67.1	19.7	4850	54.0	15.8	4445	40.5	11.9	4020	29.0	8.5	3590	14.6	4.3	2630					
1750	825	67.3	19.7	4805	54.1	15.9	4405	40.6	11.9	3975	29.1	8.5	3550	14.7	4.3	2590					
1850	875	67.8	19.9	4730	54.7	16.0	4325	41.1	12.0	3900	29.6	8.7	3470	15.2	4.5	2515					

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		4.81	4.72	4.62	4.53	4.48	4.41	4.23	4.05	4.02	3.98	3.94	3.92	3.88	3.79	3.55	3.31	3.07	2.83	2.59	2.35
Total Output	kBtuh	67.3	64.1	61	57.8	55.9	54.1	49.6	45.1	42.8	40.6	38.4	37.1	35.8	32.7	29.1	25.5	21.9	18.3	14.7	11.1
	kW	19.7	18.8	17.9	16.9	16.4	15.9	14.5	13.2	12.5	11.9	11.3	10.9	10.5	9.6	8.5	7.5	6.4	5.4	4.3	3.3
COP		3.52	3.41	3.3	3.18	3.11	3.04	2.88	2.7	2.59	2.48	2.37	2.3	2.24	2.09	1.98	1.86	1.73	1.57	1.38	1.15

	Inputs					
	Cap		Watts		Watts	
	Low		Med		High	
CFM	875		930		965	
62°F Low	22721.675		1212.801		22732.235	
47°F Low	---		---		18324.852	
CFM	1700		1750		1850	
47°F	55819.921		4515.294		55947.373	
35°F	---		---		4051.413	
17°F	---		---		37075.101	

ACCESSORIES

Description	Where Used	Kit Number
H4TXV01 (TXV Kit)	24	1.851363
H4TXV02 (TXV Kit)	36	1.851364
H4TXV03 (TXV Kit)	48, 60	1.851365
Freezestat	3/8 tubing	93G35
Crankcase Heater	All models	Factory Installed
Sound Cover	All models	Factory Installed
Loss of Charge Kit	All models	Factory Installed
Comfort Sync® Thermostat	All Models	1.841226
Comfort Sync® Zoning Controller	All models	1.851399
Comfort Sync® Zone Sensor	All Models	1.851422
Discharge Temperature Sensor	All models	88K38



1-800-448-5872

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