4SHP16LS
PRODUCT SPECIFICATIONS

16 SEER SPLIT
TWO STAGE HEAT PUMP

FORM NO. 4SHP16LS-100 (02/2017)

COMFORT SYNC
COMMUNICATING THERMOSTAT ENABLED

COMPRESSOR

- Two stage Scroll Compressor for exceptional energy savings
- R410a refrigerant
- Heavy-duty compressor sound blanket for quiet operation
- Internally and externally protected against overload conditions

CABINET

- Individual metal louvered panels easily removable 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

COIL

- Enhanced tube-and-fin coil design featuring MHT™ Technology
- Raised coil prevents debris from impeding airflow

DESIGN

- Designed to perform in temperatures up to 125 Degrees Fahrenheit
- Designed to perform in temperatures down to 0 Degrees Fahrenheit

COMPONENTS

- 45-degree offset service valves ports for easy service
- 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
- Specialized sensors monitor ambient, liquid line, and discharge temperatures for prescision system control
- Charged for 15 feet of line set
- Discharge muffler for quiet operation
- Demand defrost for increased energy efficiency
- Quiet Shift™ capable to reduce noise durning defrost
- Operates most efficienctly with Comfort Sync™ thermostat and communicating indoor unit
- Operates with standard thermostat and non-communicating indoor unit

WARRANTY

- 10 year limited warranty on compressor
- 10 year limited warranty on parts (matched systems), 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 defauLSs 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.*

AHRI CERTIFIED www.ahridirectory.org

ETL LISTED c US Intertek

MODEL NUMBER GUIDE

4 SHP 16 LS 1 24 P - 2 A

- 4 — REFRIGERANT - 4 = R410A
- SHP — SPLIT HEAT PUMP
- 16 — 16 SEER NOMINAL
- LS — TWO STAGE COMMUNICATING CAPABLE
- 1 — **REGION RESTRICTIONS** **1:** STANDARD MODEL
- 24 — **TONNAGE** 24, 36, 48, 60
- P — **VOLTAGE** P - 208 - 230V/60HZ/1PH
- 2 — MAJOR REVISION CODE
- A — MINOR REVISION CODE

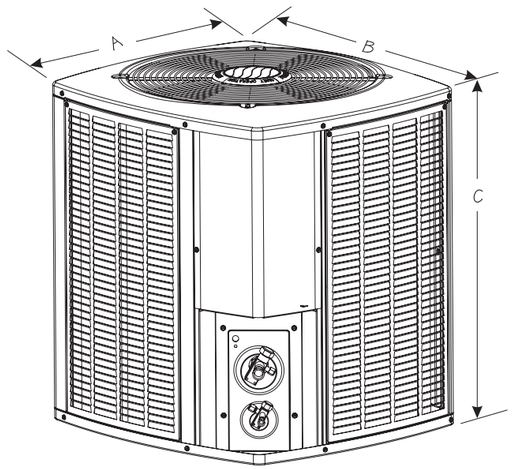
PHYSICAL AND ELECTRICAL

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over current Device (amps)	Compressor		Fan Motor			Refrig. Charge (oz.)	Weight (lbs.)
					Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Nom. RPM		
4SHP16LS124P-3	208-230-60/1	197-253	15.3	25	11.7	58	0.7	1/10	1075	146	207
4SHP16LS136P-3	208-230-60/1	197-253	22.5	35	16.6	83	1.7	1/4	825	192	268
4SHP16LS148P-3	208-230-60/1	197-253	28.3	45	21.2	104	1.8	1/3	825	236	288
4SHP16LS160P-3	208-230-60/1	197-253	36.7	60	27.1	153	2.8	1/3	ECM	244	313

Note:
1. Weights listed are unit weights with packing
2. + Factory charged for 15 feet of line set. Adjust per installation instructions.

UNIT DIMENSIONS (IN.) AND SOUND RATINGS

Model No.	Dimensions			Sound Rating dBA
	A	B	C	
4SHP16LS124P-3	24-3/4	26-3/4	33-3/4	73
4SHP16LS136P-3	29-1/4	31-1/4	43-3/4	77
4SHP16LS148P-3	35-3/4	37-3/4	37-3/4	75
4SHP16LS160P-3	35-3/4	37-3/4	43-3/4	74



Note:
Dimensions listed are unit sizes w/o packaging

REFRIGERATION DATA

Model	Refrig. Charge (oz.) *	TXV	Refridgerant Line Size		Outdoor Unit Connection		Indoor Unit Connection	
			Suction	Liquid	Suction	Liquid	Suction	Liquid
4SHP16LS124P-3	146	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4SHP16LS136P-3	229	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4SHP16LS148P-3	236	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4SHP16LS160P-3	244	H4TXV03	1-1/8	3/8	7/8**	3/8	7/8	3/8

Note:
** Factory charged for 15 feet of line set; adjust per installation instructions.*
*** Reducer fitting supplied with OD unit*

COOLING PERFORMANCE WITH EVAPORATOR COILS

Outdoor Model	Indoor Model	Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evap. Coil or Air Handler[3]	SEER	EER	AHRI Rated Capacity[1]	Sensible Capacity	HSPF (IV)	47 °		17 °					
							BTUH	COP	BTUH	COP			Piston[2]	TXV
4SHP16LS136P-3	E*1P43(B,C)+H4TXV02+45 SEC BLOWER DELAY	14.00	11.00	3400	27700	8.20	34000	3.4	21600	2.5	1230	850	NA	H4TXV02
4SHP16LS136P-3	E*1P49C+H4TXV02+45 SEC BLOWER DELAY	14.00	11.00	3400	27700	8.20	34000	3.4	21600	2.5	1230	850	NA	H4TXV02
4SHP16LS136P-3	E*1P62C+H4TXV02+45 SEC BLOWER DELAY	14.00	11.00	3400	27700	8.20	34000	3.4	21600	2.5	1230	850	NA	H4TXV02
4SHP16LS136P-3	EC4X43(B,C)+45 SEC BLOWER DELAY	14.00	11.00	3400	27700	8.20	34000	3.4	21600	2.5	1230	850	NA	Factory Installed
4SHP16LS136P-3	EC4X49C+45 SEC BLOWER DELAY	14.00	11.00	3400	27700	8.20	34000	3.4	21600	2.5	1230	850	NA	Factory Installed
4SHP16LS136P-3	EC4X62C+45 SEC BLOWER DELAY	14.00	11.00	3400	27700	8.20	34000	3.4	21600	2.5	1230	850	NA	Factory Installed
4SHP16LS148P-3	E*1P62C+H4TXV02+45 SEC BLOWER DELAY	14.00	11.00	46000	35800	8.20	42000	3.4	28000	2.5	1650	1170	NA	H4TXV02
4SHP16LS148P-3	E*1P62D+H4TXV02+45 SEC BLOWER DELAY	14.00	11.00	46000	35800	8.20	42000	3.4	28000	2.5	1650	1170	NA	H4TXV02
4SHP16LS148P-3	EC4X62C+45 SEC BLOWER DELAY	14.00	11.00	46000	35800	8.20	42000	3.4	28000	2.5	1650	1170	NA	Factory Installed
4SHP16LS148P-3	EC4X62D+45 SEC BLOWER DELAY	14.00	11.00	46000	35800	8.20	42000	3.4	28000	2.5	1650	1170	NA	Factory Installed
4SHP16LS160P-3	E*1P62D+H4TXV03+45 SEC BLOWER DELAY	14.00	11.00	5700	44500	8.20	53000	3.4	34000	2.5	1870	1870	NA	H4TXV03
4SHP16LS160P-3	EC4X62D+45 SEC BLOWER DELAY	14.00	11.00	5700	44500	8.20	53000	3.4	34000	2.5	1870	1870	NA	Factory Installed

Note:
1. Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
2. Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
3. A blower time delay relay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterpriese furnace and AH prodoucts.

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated[1] Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS124P-3	BCE4M30S*		16.00	12.50	24000	17500	8.50	22000	3.5	13000	2.5	850	600	NA	Factory Installed
	BCE4M36S*		16.00	12.50	24000	17500	8.50	22000	3.5	13000	2.5	850	600	NA	Factory Installed
	E*1P29A+H4TXV01	A80DF1E045A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P29A+H4TXV01	A80DS2V070A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P29B+H4TXV01	A80DS2V090B16	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P29B+H4TXV01	A96DS2V045B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P29B+H4TXV01	A97DSMV070B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P29B+H4TXV01	L85B*1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P29B+H4TXV01	L85UF1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P29B+H4TXV01	EFV08BC	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P29B+H4TXV01	A95UH1E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P29B+H4TXV01	A96UH2E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P29B+H4TXV01	A80US2V090B12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P29B+H4TXV01	A80US2V090B16	14.50	11.50	23000	17500	8.20	21000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P29B+H4TXV01	A97USMV070B12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36A+H4TXV01	A80UH1E045A12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36A+H4TXV01	A80US2V070A12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36A+H4TXV01	A80DF1E045A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36A+H4TXV01	A80DS2V070A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36B+H4TXV01	A80DF1E070B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36B+H4TXV01	A80DS2V090B16	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36B+H4TXV01	A96DS2V045B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36B+H4TXV01	A97DSMV070B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36B+H4TXV01	A97USMV070B12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	L85B*1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36B+H4TXV01	L85UF1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	H4TXV01
	E*1P36B+H4TXV01	EFV08BC	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	A80US2V090B12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	A80US2V090B16	14.50	11.50	23000	17500	8.20	21000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	A96US2V045B12	15.00	11.50	23000	17500	8.20	21600	3.5	13000	2.5	850	600	NA	H4TXV01

+ DF or DS
 # UH or US
@ V or S

Note:
1 Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.
2 Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required
3 A blower time delay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnace and air handler products.

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated[1] Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS124P-3	E*1P36B+H4TXV01	A96US2V070B12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	A80UH1E070B12	14.00	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	A95UH1E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	A95UH1E070B12	14.00	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36B+H4TXV01	A96UH2E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36C+H4TXV01	A96US2V090C12	15.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	H4TXV01
	E*1P36C+H4TXV01	A97USMV090C12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	H4TXV01
	EC4X29A	A80DF1E045A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X29A	A80DS2V070A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X29B	A80DS2V090B16	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X29B	A96DS2V045B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X29B	A97DSMV070B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X29B	EFV08BC	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X29B	A95UH1E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X29B	A96UH2E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X29B	A80US2V090B12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X29B	A80US2V090B16	14.50	11.50	23000	17500	8.20	21000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X29B	A97USMV070B12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X29B	L85B*1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X29B	L85UF1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36A	A80UH1E045A12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36A	A80DF1E045A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36A	A80DS2V070A12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36A	A80US2V070A12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A80US2V090B12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A80US2V090B16	14.50	11.50	23000	17500	8.20	21000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A96US2V045B12	15.00	11.50	23000	17500	8.20	21600	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A96US2V070B12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A80DF1E070B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36B	A80DS2V090B16	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS124P-3	EC4X36B	A96DS2V045B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36B	A97DSMV070B12	14.50	11.00	22000	17500	8.20	21000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36B	A97USMV070B12	16.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A80UH1E070B12	14.00	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A95UH1E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A95UH1E070B12	14.00	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	A96UH2E030B08	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36B	L85B*1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36B	L85UF1V67/87E14	14.50	11.50	22000	17500	8.20	22000	3.5	13000	2.5	825	600	NA	factory installed
	EC4X36B	EFV08BC	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36C	A97USMV090C12	14.50	11.50	23000	17500	8.20	22000	3.5	13000	2.5	850	600	NA	factory installed
	EC4X36C	A96US2V090C12	15.00	12.50	23000	17500	8.50	21600	3.5	13000	2.5	850	600	NA	factory installed
4SHP16LS136P-3	BCE4M36S*		16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1230	850	NA	factory installed
	E*1P36B+H4TXV02	A80UH1E070B12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1155	770	NA	H4TXV02
	E*1P36B+H4TXV02	A80UH1E090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1240	1010	NA	H4TXV02
	E*1P36B+H4TXV02	A80US2V090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1205	850	NA	H4TXV02
	E*1P36B+H4TXV02	A95UH1E045B12	14.50	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1220	1000	NA	H4TXV02
	E*1P36B+H4TXV02	A80US2V090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1205	850	NA	H4TXV02
	E*1P36B+H4TXV02	A95UH1E045B12	14.50	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1220	1000	NA	H4TXV02
	E*1P36B+H4TXV02	A95UH1E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	800	NA	H4TXV02
	E*1P36B+H4TXV02	A96UH2E045B12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1220	740	NA	H4TXV02
	E*1P36B+H4TXV02	A96UH2E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	800	NA	H4TXV02
	E*1P36B+H4TXV02	A96US2V070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1215	790	NA	H4TXV02
	E*1P36B+H4TXV02	A97USMV070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1205	800	NA	H4TXV02
	E*1P36B+H4TXV02	A80DF1E070B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1155	790	NA	H4TXV02
	E*1P36B+H4TXV02	A80DF1E090B16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1185	1000	NA	H4TXV02
	E*1P36B+H4TXV02	A80DS2V090B16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1160	850	NA	H4TXV02
	E*1P36B+H4TXV02	A95DF1E045B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1150	750	NA	H4TXV02
	E*1P36B+H4TXV02	A95DF1E070B16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1185	770	NA	H4TXV02
	E*1P36B+H4TXV02	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P36B+H4TXV02	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P36B+H4TXV02	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	E*1P36B+H4TXV02	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P36B+H4TXV02	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P36B+H4TXV02	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P36B+H4TXV02	A96DF2E045B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1150	750	NA	H4TXV02
	E*1P36B+H4TXV02	A96DF2E070B16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1185	770	NA	H4TXV02
	E*1P36B+H4TXV02	A96DS2V045B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1210	800	NA	H4TXV02
	E*1P36B+H4TXV02	A96DS2V070B16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	820	NA	H4TXV02
	E*1P36B+H4TXV02	A97DFMV070B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	830	NA	H4TXV02
	E*1P36B+H4TXV02	A80US2V090B12	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	850	NA	H4TXV02
	E*1P36C+H4TXV02	A96DF2E090C16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1235	980	NA	H4TXV02
	E*1P36C+H4TXV02	A97DFMV090C16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1220	770	NA	H4TXV02
	E*1P36C+H4TXV02	A97DFMV090C20	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	890	NA	H4TXV02
	E*1P36C+H4TXV02	A96DS2V090C20	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	890	NA	H4TXV02
	E*1P36C+H4TXV02	A95DF1E090C16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	990	NA	H4TXV02
	E*1P36C+H4TXV02	A97USMV090C12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1210	780	NA	H4TXV02
	E*1P36C+H4TXV02	A97USMV090C16	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1235	810	NA	H4TXV02
	E*1P36C+H4TXV02	A96US2V090C12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1190	800	NA	H4TXV02
	E*1P36C+H4TXV02	A96US2V090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1165	830	NA	H4TXV02
	E*1P36C+H4TXV02	A96UH2E090C16	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1200	950	NA	H4TXV02
	E*1P36C+H4TXV02	A95UH1E090C16	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P36C+H4TXV02	A80US2V090C20	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P36C+H4TXV02	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P43B+H4TXV02	A80US2V090B12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	840	NA	H4TXV02
	E*1P43B+H4TXV02	A97DFMV070B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	830	NA	H4TXV02
	E*1P43B+H4TXV02	A80UH1E070B12	16.00	13.00	35000	26900	9.00	34000	3.5	21600	2.5	1155	770	NA	H4TXV02
	E*1P43B+H4TXV02	A80UH1E090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1240	1010	NA	H4TXV02
	E*1P43B+H4TXV02	A80US2V090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1205	850	NA	H4TXV02
	E*1P43B+H4TXV02	A95UH1E045B12	15.10	11.50	35000	26900	8.20	34000	3.5	21600	2.5	1220	730	NA	H4TXV02
	E*1P43B+H4TXV02	A95UH1E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	790	NA	H4TXV02
	E*1P43B+H4TXV02	A96UH2E045B12	15.10	11.50	35000	26900	8.20	34000	3.5	21600	2.5	1220	730	NA	H4TXV02

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	E*1P43B+H4TXV02	A96UH2E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	790	NA	H4TXV02
	E*1P43B+H4TXV02	A80DF1E070B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1155	790	NA	H4TXV02
	E*1P43B+H4TXV02	A80DF1E090B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	1000	NA	H4TXV02
	E*1P43B+H4TXV02	A80DS2V090B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1160	840	NA	H4TXV02
	E*1P43B+H4TXV02	A95DF1E045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1150	750	NA	H4TXV02
	E*1P43B+H4TXV02	A95DF1E070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	770	NA	H4TXV02
	E*1P43B+H4TXV02	A96DF2E045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1150	750	NA	H4TXV02
	E*1P43B+H4TXV02	A96DF2E070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	770	NA	H4TXV02
	E*1P43B+H4TXV02	A96US2V045B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1205	770	NA	H4TXV02
	E*1P43B+H4TXV02	A96US2V070B12	16.00	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1215	790	NA	H4TXV02
	E*1P43B+H4TXV02	A97USMV070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1205	800	NA	H4TXV02
	E*1P43B+H4TXV02	A96DS2V045B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1210	790	NA	H4TXV02
	E*1P43B+H4TXV02	A96DS2V070B16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	820	NA	H4TXV02
	E*1P43C+H4TXV02	A96DS2V090C20	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	890	NA	H4TXV02
	E*1P43C+H4TXV02	A97USMV090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1165	1210	NA	H4TXV02
	E*1P43C+H4TXV02	A97USMV090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1235	810	NA	H4TXV02
	E*1P43C+H4TXV02	A96US2V090C12	16.00	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1190	810	NA	H4TXV02
	E*1P43C+H4TXV02	A96US2V090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1165	830	NA	H4TXV02
	E*1P43C+H4TXV02	A96DF2E090C16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	980	NA	H4TXV02
	E*1P43C+H4TXV02	A96UH2E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	H4TXV02
	E*1P43C+H4TXV02	A95UH1E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	H4TXV02
	E*1P43C+H4TXV02	A80US2V090C20	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P43C+H4TXV02	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P43C+H4TXV02	A97DFMV090C16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1220	770	NA	H4TXV02
	E*1P43C+H4TXV02	A97DFMV090C20	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	880	NA	H4TXV02
	E*1P43C+H4TXV02	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P43C+H4TXV02	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P43C+H4TXV02	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P43C+H4TXV02	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P43C+H4TXV02	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	E*1P43C+H4TXV02	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P43C+H4TXV02	A95DF1E090C16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1235	980	NA	H4TXV02
	E*1P49C+H4TXV02	A80US2V090C20	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P49C+H4TXV02	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P49C+H4TXV02	A95UH1E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	H4TXV02
	E*1P49C+H4TXV02	A96UH2E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	H4TXV02
	E*1P49C+H4TXV02	A96US2V090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1190	810	NA	H4TXV02
	E*1P49C+H4TXV02	A96US2V090C16	16.00	13.00	35000	26900	8.50	34000	3.5	21600	2.5	1165	830	NA	H4TXV02
	E*1P49C+H4TXV02	A97USMV090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1210	780	NA	H4TXV02
	E*1P49C+H4TXV02	A97USMV090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1235	810	NA	H4TXV02
	E*1P49C+H4TXV02	A95DF1E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	H4TXV02
	E*1P49C+H4TXV02	A96DF2E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	H4TXV02
	E*1P49C+H4TXV02	A96DS2V090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	890	NA	H4TXV02
	E*1P49C+H4TXV02	A97DFMV090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1220	770	NA	H4TXV02
	E*1P49C+H4TXV02	A97DFMV090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	880	NA	H4TXV02
	E*1P49C+H4TXV02	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P49C+H4TXV02	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P49C+H4TXV02	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P49C+H4TXV02	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P49C+H4TXV02	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P49C+H4TXV02	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P62C+H4TXV02	A80US2V090C20	16.00	13.00	35000	26900	9.00	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P62C+H4TXV02	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	H4TXV02
	E*1P62C+H4TXV02	A95UH1E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	H4TXV02
	E*1P62C+H4TXV02	A96UH2E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	H4TXV02
	E*1P62C+H4TXV02	A96US2V090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1190	810	NA	H4TXV02
	E*1P62C+H4TXV02	A96US2V090C16	16.00	13.00	35000	26900	9.00	34000	3.5	21600	2.5	1165	830	NA	H4TXV02
	E*1P62C+H4TXV02	A97USMV090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1210	780	NA	H4TXV02
	E*1P62C+H4TXV02	A97USMV090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1235	810	NA	H4TXV02
	E*1P62C+H4TXV02	A95DF1E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	H4TXV02

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated[1] Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	E*1P62C+H4TXV02	A96DF2E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	H4TXV02
	E*1P62C+H4TXV02	A96DS2V090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	890	NA	H4TXV02
	E*1P62C+H4TXV02	A97DFMV090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1220	770	NA	H4TXV02
	E*1P62C+H4TXV02	A97DFMV090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	880	NA	H4TXV02
	E*1P62C+H4TXV02	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P62C+H4TXV02	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P62C+H4TXV02	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P62C+H4TXV02	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P62C+H4TXV02	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	E*1P62C+H4TXV02	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	H4TXV02
	EC4X36B	A80DF1E070B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1155	790	NA	factory installed
	EC4X36B	A80DF1E090B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	1000	NA	factory installed
	EC4X36B	A80DS2V090B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1160	840	NA	factory installed
	EC4X36B	A95DF1E045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1150	750	NA	factory installed
	EC4X36B	A95DF1E070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	770	NA	factory installed
	EC4X36B	A97USMV070B12	15.10	12.20	35000	25400	8.20	34000	3.5	21600	2.5	1205	800	NA	factory installed
	EC4X36B	A96DF2E045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1150	750	NA	factory installed
	EC4X36B	A96DF2E070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	770	NA	factory installed
	EC4X36B	A96DS2V045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1210	790	NA	factory installed
	EC4X36B	A96DS2V070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	820	NA	factory installed
	EC4X36B	A97DFMV070B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	830	NA	factory installed
	EC4X36B	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X36B	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X36B	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X36B	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X36B	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X36B	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X36B	A80UH1E070B12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1155	770	NA	factory installed
	EC4X36B	A80UH1E090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1240	1010	NA	factory installed
	EC4X36B	A80US2V090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1205	850	NA	factory installed

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated[1] Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	EC4X36B	A95UH1E045B12	14.50	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1220	1000	NA	factory installed
	EC4X36B	A95UH1E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	790	NA	factory installed
	EC4X36B	A96UH2E045B12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1220	730	NA	factory installed
	EC4X36B	A96UH2E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	790	NA	factory installed
	EC4X36B	A96US2V070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1215	790	NA	factory installed
	EC4X36C	A96US2V090C12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1190	810	NA	factory installed
	EC4X36C	A96US2V090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1165	830	NA	factory installed
	EC4X36C	A96UH2E090C16	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1200	940	NA	factory installed
	EC4X36C	A95UH1E090C16	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X36C	A80US2V090C20	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	factory installed
	EC4X36C	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	factory installed
	EC4X36C	A97DFMV090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1220	770	NA	factory installed
	EC4X36C	A97DFMV090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	880	NA	factory installed
	EC4X36C	A96DS2V090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	890	NA	factory installed
	EC4X36C	A96DF2E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X36C	A97USMV090C12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1210	780	NA	factory installed
	EC4X36C	A97USMV090C16	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1235	810	NA	factory installed
	EC4X36C	A95DF1E090C16	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X43B	A80US2V090B12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	840	NA	factory installed
	EC4X43B	A97DFMV070B12	14.00	11.50	33000	26900	8.20	33000	3.5	21600	2.5	1230	830	NA	factory installed
	EC4X43B	A95UH1E045B12	15.10	11.50	35000	26900	8.20	34000	3.5	21600	2.5	1220	730	NA	factory installed
	EC4X43B	A95UH1E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	790	NA	factory installed
	EC4X43B	A80UH1E070B12	16.00	13.00	35000	26900	9.00	34000	3.5	21600	2.5	1155	770	NA	factory installed
	EC4X43B	A80UH1E090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1240	1010	NA	factory installed
	EC4X43B	A80US2V090B16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1205	850	NA	factory installed
	EC4X43B	A96US2V045B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1205	770	NA	factory installed
	EC4X43B	A96US2V070B12	16.00	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1215	790	NA	factory installed
	EC4X43B	A96UH2E045B12	15.10	11.50	35000	26900	8.20	34000	3.5	21600	2.5	1220	730	NA	factory installed
	EC4X43B	A96UH2E070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1175	790	NA	factory installed
	EC4X43B	A97USMV070B12	15.10	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1205	800	NA	factory installed

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated[1] Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	EC4X43B	A80DF1E070B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1155	790	NA	factory installed
	EC4X43B	A80DF1E090B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	1000	NA	factory installed
	EC4X43B	A80DS2V090B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1160	840	NA	factory installed
	EC4X43B	A95DF1E045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1150	750	NA	factory installed
	EC4X43B	A95DF1E070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	770	NA	factory installed
	EC4X43B	A96DF2E045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1150	750	NA	factory installed
	EC4X43B	A96DF2E070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1185	770	NA	factory installed
	EC4X43B	A96DS2V045B12	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1210	790	NA	factory installed
	EC4X43B	A96DS2V070B16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	820	NA	factory installed
	EC4X43C	A96DS2V090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	890	NA	factory installed
	EC4X43C	A96DF2E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X43C	A95DF1E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X43C	A97USMV090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1165	1210	NA	factory installed
	EC4X43C	A97USMV090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1235	810	NA	factory installed
	EC4X43C	A96UH2E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	factory installed
	EC4X43C	A96US2V090C12	16.00	12.20	35000	26900	8.20	34000	3.5	21600	2.5	1190	810	NA	factory installed
	EC4X43C	A96US2V090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1165	830	NA	factory installed
	EC4X43C	A80US2V090C20	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	factory installed
	EC4X43C	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	factory installed
	EC4X43C	A95UH1E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	factory installed
	EC4X43C	A97DFMV090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1220	770	NA	factory installed
	EC4X43C	A97DFMV090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	880	NA	factory installed
	EC4X43C	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X43C	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X43C	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X43C	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X43C	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X43C	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X49C	A80US2V090C20	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	factory installed
	EC4X49C	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	factory installed

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated[1] Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	EC4X49C	A95UH1E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	factory installed
	EC4X49C	A96UH2E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	factory installed
	EC4X49C	A96US2V090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1190	810	NA	factory installed
	EC4X49C	A96US2V090C16	16.00	13.00	35000	26900	8.50	34000	3.5	21600	2.5	1165	830	NA	factory installed
	EC4X49C	A97USMV090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1210	780	NA	factory installed
	EC4X49C	A97USMV090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1235	810	NA	factory installed
	EC4X49C	A95DF1E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X49C	A96DF2E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X49C	A96DS2V090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	890	NA	factory installed
	EC4X49C	A97DFMV090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1220	770	NA	factory installed
	EC4X49C	A97DFMV090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	880	NA	factory installed
	EC4X49C	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X49C	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X49C	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X49C	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X49C	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X49C	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X62C	A80US2V090C20	16.00	13.00	35000	26900	9.00	34000	3.5	21600	2.5	1220	840	NA	factory installed
	EC4X62C	A80US2V110C20	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1220	840	NA	factory installed
	EC4X62C	A95UH1E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	factory installed
	EC4X62C	A96UH2E090C16	15.10	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1200	940	NA	factory installed
	EC4X62C	A96US2V090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1190	810	NA	factory installed
	EC4X62C	A96US2V090C16	16.00	13.00	35000	26900	9.00	34000	3.5	21600	2.5	1165	830	NA	factory installed
	EC4X62C	A97USMV090C12	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1210	780	NA	factory installed
	EC4X62C	A97USMV090C16	16.00	12.50	35000	26900	8.50	34000	3.5	21600	2.5	1235	810	NA	factory installed
	EC4X62C	A95DF1E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X62C	A96DF2E090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	980	NA	factory installed
	EC4X62C	A96DS2V090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	890	NA	factory installed
	EC4X62C	A97DFMV090C16	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1220	770	NA	factory installed
	EC4X62C	A97DFMV090C20	14.00	11.50	33000	25400	8.20	33000	3.5	21600	2.5	1230	880	NA	factory installed

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS136P-3	EC4X62C	LBR84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X62C	LHF84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X62C	LHR84-95V12	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X62C	LUF112-125V20	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X62C	LUF57-72V12	15.10	11.50	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
	EC4X62C	LUF84-95V14	15.10	12.20	34000	26900	8.20	34000	3.5	21600	2.5	1230	850	NA	factory installed
4SHP16LS148P-3	BCE4M48S*		16.00	12.50	46000	35400	8.50	45000	3.4	28000	2.6	1650	1170	NA	factory installed
	BCE4M60S*		16.00	12.50	46000	35400	8.50	45000	3.4	28000	2.6	1650	1170	NA	factory installed
	E*1P49C+H4TXV02	A80UH1E090C20	14.50	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A80UH1E110C20	14.50	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A97DSMV090C16	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A97DSMV090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A97DSMV110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A80US2V090C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A80US2V110C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A96US2V090C16	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A96US2V090C20	15.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A96US2V110C16	15.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A96US2V110C20	15.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A96UH2E110C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A97USMV090C16	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A97USMV090C20	14.50	11.00	46000	35400	8.20	45500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A97USMV110C20	14.50	11.00	46000	35400	8.20	45500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A80DF1E110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A80DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A96DS2V090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P49C+H4TXV02	A96DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96DS2V090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A80DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS148P-3	E*1P62C+H4TXV02	A80DF1E110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A95DF1E110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A97USMV090C16	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A97USMV090C20	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A97USMV110C20	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96UH2E110C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96UH2E090C16	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96US2V090C16	15.10	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96US2V090C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96US2V110C16	15.10	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A96US2V110C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A80US2V090C20	15.10	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A80US2V110C20	15.10	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A95UH1E110C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A97DSMV090C16	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A97DSMV090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A97DSMV110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A80UH1E090C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62C+H4TXV02	A80UH1E110C20	14.50	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62D+H4TXV02	A80US2V135D20	16.00	11.50	46000	35400	8.20	42500	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62D+H4TXV02	A96US2V135D20	16.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62D+H4TXV02	A96UH2E135DC20	16.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	E*1P62D+H4TXV02	A97USMV135D20	16.00	11.50	46000	35400	8.20	43000	3.4	28000	2.6	1650	1170	NA	H4TXV02
	EC4X49C	A80DF1E110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A96DS2V090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A96DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A97DSMV090C16	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A97DSMV090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A97DSMV110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A97USMV090C16	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS148P-3	EC4X49C	A97USMV090C20	14.50	11.00	46000	35400	8.20	45500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A97USMV110C20	14.50	11.00	46000	35400	8.20	45500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A96US2V090C16	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A96US2V090C20	15.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A96US2V110C16	15.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A96US2V110C20	15.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A80UH1E090C20	14.50	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A80UH1E110C20	14.50	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A80US2V090C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A80US2V110C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A96UH2E110C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X49C	A80DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A80DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A96UH2E110C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A96UH2E090C16	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A80US2V090C20	15.10	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A80US2V110C20	15.10	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A80UH1E090C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A80UH1E110C20	14.50	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A96US2V090C16	15.10	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A96US2V090C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A96US2V110C16	15.10	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A96US2V110C20	15.10	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A97USMV090C16	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A97USMV090C20	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A97USMV110C20	15.00	11.00	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A95UH1E110C20	14.50	11.50	46000	35400	8.20	41500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A97DSMV090C16	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A97DSMV090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A97DSMV110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed

COOLING PERFORMANCE WITH AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model		Cooling				Heating					High CFM	Low CFM	Indoor Expansion Device	
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity	Sensible Capacity	HSPF	47 °		17 °				Piston[2]	TXV
								Btuh	COP	Btuh	COP				
4SHP16LS148P-3	EC4X62C	A96DS2V090C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A96DS2V110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A80DF1E110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62C	A95DF1E110C20	14.00	11.00	45000	34600	8.20	41000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62D	A97USMV135D20	16.00	11.50	46000	35400	8.20	43000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62D	A96US2V135D20	16.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62D	A80US2V135D20	16.00	11.50	46000	35400	8.20	42500	3.4	28000	2.6	1650	1170	NA	factory installed
	EC4X62D	A96UH2E135DC20	16.00	11.50	46000	35400	8.20	42000	3.4	28000	2.6	1650	1170	NA	factory installed
4SHP16LS160P-3	BCE4M60S*		15.50	12.00	57000	44400	8.20	55000	3.7	34000	2.7	1870	1310	NA	factory installed
	E*1P62C+H4TXV03	A80US2V090C20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A80US2V110C20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A95DF1E110C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A80DF2V110C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A80DS2V110C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A95DF2V090C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A95DF2V110C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A96DS2V090C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A96DS2V110C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A97DSMV090C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A97DSMV110C20	14.00	11.00	55000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A95UH1E110C20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A96US2V090C20	14.50	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A96US2V110C20	14.50	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A97USMV090C20	14.50	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62C+H4TXV03	A97USMV110C20	15.00	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62D+H4TXV03	A97USMV135D20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62D+H4TXV03	A96US2V135D20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62D+H4TXV03	A95UH1E135D20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62D+H4TXV03	A80US2V135D20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62D+H4TXV03	A96UH2E135D20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03
	E*1P62D+H4TXV03	A80UH1E135D20	15.20	11.00	58000	44400	8.20	53000	3.7	34000	2.7	1870	1310	NA	H4TXV03

4SHP16LS124P-3 + BCE4M24S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	900	MBh	23.9	24.8	27.2	-	23.4	24.2	26.5	-	22.8	23.6	25.9	-	22.3	23.1	25.3	-	21.1	21.9	24.0	-	19.6	20.3	22.2	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	1.53	1.56	1.61	-	1.65	1.69	1.74	-	1.76	1.80	1.86	-	1.85	1.89	1.96	-	1.93	1.97	2.04	-	2.00	2.05	2.11	-
		AMPS	5.7	5.9	6.1	-	6.2	6.3	6.5	-	6.7	6.9	7.1	-	7.2	7.3	7.6	-	7.6	7.8	8.1	-	8.1	8.3	8.5	-
		HI PR	220	237	250	-	247	266	281	-	281	302	319	-	320	344	364	-	360	387	409	-	398	428	452	-
		LO PR	108	115	125	-	114	121	132	-	118	126	138	-	124	132	144	-	130	139	151	-	135	143	157	-
	820	MBh	23.7	24.6	26.9	-	23.1	24.0	26.3	-	22.6	23.4	25.7	-	22.0	22.8	25.0	-	20.9	21.7	23.8	-	19.4	20.1	22.0	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	1.53	1.56	1.61	-	1.65	1.68	1.74	-	1.75	1.79	1.85	-	1.85	1.89	1.95	-	1.93	1.97	2.04	-	1.99	2.04	2.11	-
		AMPS	5.7	5.9	6.0	-	6.2	6.3	6.5	-	6.7	6.9	7.1	-	7.1	7.3	7.6	-	7.6	7.8	8.0	-	8.0	8.2	8.5	-
		HI PR	220	236	249	-	246	265	280	-	280	301	318	-	319	343	363	-	359	386	408	-	397	427	451	-
		LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-
	700	MBh	21.9	22.7	24.8	-	21.4	22.1	24.3	-	20.8	21.6	23.7	-	20.3	21.1	23.1	-	19.3	20.0	21.9	-	17.9	18.6	20.3	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		Delta T	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	1.49	1.52	1.57	-	1.61	1.64	1.69	-	1.71	1.75	1.80	-	1.80	1.84	1.90	-	1.88	1.92	1.98	-	1.94	1.99	2.05	-
		AMPS	5.6	5.7	5.9	-	6.0	6.2	6.3	-	6.5	6.7	6.9	-	7.0	7.1	7.4	-	7.4	7.6	7.8	-	7.8	8.0	8.3	-
		HI PR	213	229	242	-	239	257	272	-	272	292	309	-	310	333	352	-	348	375	396	-	385	414	437	-
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS124P-3 + BCE4M24S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	900	MBh	24.3	25.1	27.1	29.1	23.8	24.5	26.5	28.4	23.2	23.9	25.9	27.7	22.6	23.3	25.2	27.1	21.5	22.1	24.0	25.7	19.9	20.5	22.2	23.8
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	1.54	1.58	1.63	1.68	1.66	1.70	1.76	1.82	1.77	1.81	1.87	1.94	1.87	1.91	1.97	2.04	1.95	1.99	2.06	2.13	2.02	2.06	2.13	2.21
		AMPS	5.8	5.9	6.1	6.3	6.2	6.4	6.6	6.8	6.8	6.9	7.2	7.4	7.2	7.4	7.7	7.9	7.7	7.9	8.1	8.4	8.1	8.3	8.6	8.9
		HI PR	222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476
		LO PR	109	116	127	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	169
	820	MBh	24.1	24.8	26.8	28.8	23.5	24.2	26.2	28.1	23.0	23.7	25.6	27.5	22.4	23.1	25.0	26.8	21.3	21.9	23.7	25.5	19.7	20.3	22.0	23.6
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
		KW	1.54	1.57	1.62	1.68	1.66	1.70	1.75	1.81	1.77	1.81	1.87	1.93	1.86	1.90	1.97	2.04	1.94	1.99	2.05	2.12	2.01	2.06	2.13	2.20
		AMPS	5.8	5.9	6.1	6.3	6.2	6.4	6.6	6.8	6.8	6.9	7.1	7.4	7.2	7.4	7.6	7.9	7.7	7.9	8.1	8.4	8.1	8.3	8.6	8.9
		HI PR	222	239	252	263	249	268	283	295	283	305	322	335	322	347	366	382	363	390	412	430	401	431	455	475
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	162	136	145	158	168
	700	MBh	22.2	22.9	24.8	26.6	21.7	22.4	24.2	26.0	21.2	21.8	23.6	25.4	20.7	21.3	23.1	24.7	19.7	20.2	21.9	23.5	18.2	18.7	20.3	21.8
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	23	21	18	12	24	22	18	12	24	22	18	12	24	22	18	12	23	22	18	12	22	20	17	11
		KW	1.50	1.53	1.58	1.63	1.62	1.65	1.71	1.77	1.72	1.76	1.82	1.88	1.81	1.86	1.92	1.98	1.89	1.94	2.00	2.07	1.96	2.00	2.07	2.14
		AMPS	5.6	5.8	5.9	6.2	6.1	6.2	6.4	6.6	6.6	6.7	7.0	7.2	7.0	7.2	7.4	7.7	7.5	7.6	7.9	8.2	7.9	8.1	8.4	8.7
		HI PR	215	231	244	255	241	260	274	286	275	295	312	325	313	336	355	371	352	379	400	417	389	418	442	461
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	122	129	141	150	127	136	148	158	132	140	153	163

Notes: Shaded Area is TVA Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capcity listed

4SHP16LS124P-3 + BCE4M24S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	900	MBh	24.8	25.3	27.0	28.9	24.2	24.7	26.4	28.2	23.6	24.1	25.8	27.6	23.0	23.5	25.1	26.9	21.9	22.4	23.9	25.5	20.3	20.7	22.1	23.7
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.99	0.80	0.60	1.00	1.00	0.81	0.61
		Delta T	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	23	20	16	21	21	18	15
		KW	1.56	1.59	1.64	1.69	1.68	1.72	1.77	1.83	1.79	1.83	1.89	1.95	1.88	1.93	1.99	2.06	1.96	2.01	2.08	2.15	2.03	2.08	2.15	2.23
		AMPS	5.8	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.8	7.9	8.2	8.5	8.2	8.4	8.7	9.0
		HI PR	225	242	255	266	252	271	286	299	287	309	326	340	327	351	371	387	367	395	417	435	406	437	461	481
		LO PR	110	117	128	136	116	124	135	144	121	129	140	149	127	135	147	157	133	142	155	165	138	146	160	170
	820	MBh	24.5	25.1	26.8	28.6	23.9	24.5	26.1	27.9	23.4	23.9	25.5	27.3	22.8	23.3	24.9	26.6	21.7	22.1	23.7	25.3	20.1	20.5	21.9	23.4
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	23	22	20	16
		KW	1.55	1.59	1.64	1.69	1.67	1.71	1.77	1.83	1.78	1.82	1.88	1.95	1.88	1.92	1.99	2.05	1.96	2.00	2.07	2.14	2.03	2.08	2.15	2.22
		AMPS	5.8	6.0	6.2	6.4	6.3	6.4	6.6	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.7	7.9	8.2	8.5	8.2	8.4	8.7	9.0
		HI PR	224	241	255	266	251	271	286	298	286	308	325	339	326	350	370	386	366	394	416	434	405	436	460	480
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170
	700	MBh	22.6	23.1	24.7	26.4	22.1	22.6	24.1	25.8	21.6	22.0	23.6	25.2	21.1	21.5	23.0	24.6	20.0	20.4	21.8	23.3	18.5	18.9	20.2	21.6
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	25	22	18	26	25	22	17	24	23	20	16
		KW	1.51	1.55	1.60	1.65	1.63	1.67	1.72	1.78	1.74	1.78	1.84	1.90	1.83	1.87	1.93	2.00	1.91	1.95	2.02	2.09	1.98	2.02	2.09	2.16
		AMPS	5.7	5.8	6.0	6.2	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.3	7.1	7.3	7.5	7.8	7.5	7.7	8.0	8.3	8.0	8.2	8.4	8.8
		HI PR	217	234	247	258	244	262	277	289	277	298	315	329	316	340	359	374	355	382	404	421	393	422	446	465
		LO PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165

Notes: Shaded Area is AHRI Rating Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS124P-3 + BCE4M24S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	900	MBh	25.2	25.7	26.9	28.7	24.6	25.1	26.3	28.0	24.0	24.5	25.6	27.4	23.4	23.9	25.0	26.7	22.3	22.7	23.8	25.4	20.6	21.0	22.0	23.5
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		Delta T	25	25	23	20	25	25	24	20	25	25	24	20	24	24	24	21	23	23	23	20	21	21	22	19
		KW	1.57	1.60	1.65	1.71	1.69	1.73	1.79	1.85	1.80	1.84	1.90	1.97	1.90	1.94	2.01	2.08	1.98	2.03	2.09	2.17	2.05	2.10	2.17	2.25
		AMPS	5.9	6.0	6.2	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486
		LO PR	111	118	129	138	117	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172
	820	MBh	24.9	25.4	26.6	28.4	24.4	24.8	26.0	27.8	23.8	24.2	25.4	27.1	23.2	23.7	24.8	26.4	22.0	22.5	23.5	25.1	20.4	20.8	21.8	23.3
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		Delta T	27	26	25	21	27	26	25	22	27	27	25	22	26	27	25	22	25	25	25	22	23	23	23	20
		KW	1.56	1.60	1.65	1.70	1.69	1.73	1.78	1.84	1.80	1.84	1.90	1.96	1.89	1.94	2.00	2.07	1.98	2.02	2.09	2.16	2.05	2.09	2.17	2.24
		AMPS	5.9	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.9	7.0	7.3	7.5	7.3	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1
		HI PR	226	243	257	268	254	273	288	301	289	311	328	342	329	354	374	390	370	398	420	438	409	440	465	484
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
	700	MBh	23.0	23.5	24.6	26.2	22.5	22.9	24.0	25.6	22.0	22.4	23.4	25.0	21.4	21.8	22.9	24.4	20.3	20.7	21.7	23.2	18.8	19.2	20.1	21.5
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		Delta T	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	27	26	22	25	25	24	21
		KW	1.53	1.56	1.61	1.66	1.65	1.68	1.74	1.80	1.75	1.79	1.85	1.91	1.85	1.89	1.95	2.02	1.93	1.97	2.04	2.11	1.99	2.04	2.11	2.18
		AMPS	5.7	5.9	6.0	6.3	6.2	6.3	6.5	6.8	6.7	6.9	7.1	7.3	7.1	7.3	7.6	7.8	7.6	7.8	8.0	8.3	8.0	8.2	8.5	8.8
		HI PR	219	236	249	260	246	265	280	292	280	301	318	332	319	343	362	378	359	386	408	425	397	427	451	470
		LO PR	108	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS136P-3 + BCE4M36S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1350	MBh	34.8	36.1	39.5	-	34.0	35.2	38.6	-	33.2	34.4	37.7	-	32.4	33.5	36.7	-	30.7	31.9	34.9	-	28.5	29.5	32.3	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.72	0.50	-	0.87	0.73	0.51	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.26	2.30	2.37	-	2.42	2.47	2.54	-	2.56	2.62	2.70	-	2.69	2.75	2.83	-	2.80	2.86	2.95	-	2.89	2.95	3.05	-
		AMPS	8.8	9.0	9.3	-	9.5	9.7	10.0	-	10.2	10.5	10.8	-	10.9	11.2	11.5	-	11.6	11.9	12.2	-	12.2	12.5	12.9	-
		HI PR	211	227	239	-	236	254	269	-	269	289	306	-	306	330	348	-	344	371	391	-	381	410	433	-
		LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	154	-
	1230	MBh	34.4	35.7	39.1	-	33.6	34.9	38.2	-	32.8	34.0	37.3	-	32.0	33.2	36.4	-	30.4	31.5	34.6	-	28.2	29.2	32.0	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	2.25	2.30	2.36	-	2.41	2.46	2.54	-	2.56	2.61	2.69	-	2.68	2.74	2.83	-	2.79	2.85	2.94	-	2.89	2.95	3.04	-
		AMPS	8.8	9.0	9.2	-	9.4	9.7	10.0	-	10.2	10.4	10.8	-	10.9	11.1	11.5	-	11.6	11.8	12.2	-	12.2	12.5	12.9	-
		HI PR	210	226	239	-	236	254	268	-	268	288	305	-	305	329	347	-	343	370	390	-	379	408	431	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1050	MBh	31.8	32.9	36.1	-	31.0	32.2	35.3	-	30.3	31.4	34.4	-	29.6	30.6	33.6	-	28.1	29.1	31.9	-	26.0	27.0	29.6	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.47	-	0.83	0.69	0.48	-
		Delta T	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	2.20	2.25	2.31	-	2.36	2.41	2.48	-	2.50	2.55	2.63	-	2.62	2.68	2.76	-	2.73	2.78	2.87	-	2.82	2.88	2.97	-
		AMPS	8.5	8.7	9.0	-	9.2	9.4	9.7	-	9.9	10.2	10.5	-	10.6	10.8	11.2	-	11.2	11.5	11.9	-	11.9	12.2	12.6	-
		HI PR	204	219	232	-	229	246	260	-	260	280	295	-	296	319	337	-	333	359	379	-	368	396	418	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS136P-3 + BCE4M36S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	1350	MBh	35.4	36.4	39.4	42.3	34.6	35.6	38.5	41.3	33.7	34.7	37.6	40.3	32.9	33.9	36.7	39.4	31.3	32.2	34.8	37.4	29.0	29.8	32.3	34.6
		S/T	0.87	0.77	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	0.99	0.89	0.67	0.43
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	2.27	2.32	2.39	2.46	2.44	2.49	2.56	2.64	2.58	2.64	2.72	2.81	2.71	2.77	2.86	2.95	2.82	2.88	2.97	3.07	2.92	2.98	3.07	3.17
		AMPS	8.9	9.1	9.3	9.7	9.5	9.8	10.1	10.4	10.3	10.6	10.9	11.3	11.0	11.3	11.6	12.1	11.7	12.0	12.3	12.8	12.4	12.7	13.1	13.5
		HI PR	213	229	242	252	239	257	271	283	272	292	309	322	309	333	352	367	348	374	395	412	384	414	437	456
		LO PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	1230	MBh	35.0	36.1	39.0	41.9	34.2	35.2	38.1	40.9	33.4	34.4	37.2	39.9	32.6	33.5	36.3	39.0	31.0	31.9	34.5	37.0	28.7	29.5	32.0	34.3
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.86	0.65	0.42	0.98	0.87	0.66	0.42
		Delta T	22	20	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
		KW	2.27	2.31	2.38	2.46	2.43	2.48	2.56	2.64	2.58	2.63	2.71	2.80	2.71	2.76	2.85	2.94	2.82	2.88	2.97	3.06	2.91	2.97	3.07	3.17
		AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.5	10.9	11.3	11.0	11.2	11.6	12.0	11.7	11.9	12.3	12.8	12.3	12.6	13.0	13.5
		HI PR	212	228	241	251	238	256	271	282	271	291	308	321	308	332	350	366	347	373	394	411	383	413	436	454
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166
	1050	MBh	32.3	33.3	36.0	38.7	31.6	32.5	35.2	37.8	30.8	31.7	34.4	36.9	30.1	31.0	33.5	36.0	28.6	29.4	31.8	34.2	26.5	27.2	29.5	31.7
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		Delta T	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	20	16	11
		KW	2.22	2.26	2.33	2.40	2.38	2.43	2.50	2.58	2.52	2.57	2.65	2.73	2.64	2.70	2.78	2.87	2.75	2.81	2.89	2.99	2.84	2.90	2.99	3.09
		AMPS	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.1	10.0	10.3	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.6	12.0	12.4	12.0	12.3	12.7	13.1
		HI PR	206	221	234	244	231	249	262	274	263	283	298	311	299	322	340	355	337	362	382	399	372	400	423	441
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

Notes: Shaded Area is TVA Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS136P-3 + BCE4M36S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1350	MBh	36.0	36.8	39.3	42.0	35.2	35.9	38.4	41.0	34.3	35.1	37.5	40.1	33.5	34.2	36.6	39.1	31.8	32.5	34.7	37.1	29.5	30.1	32.2	34.4
		S/T	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.59	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		Delta T	23	22	19	16	24	23	20	16	23	23	20	16	23	23	20	16	22	22	20	16	20	21	18	15
		KW	2.29	2.34	2.41	2.48	2.46	2.51	2.58	2.67	2.60	2.66	2.74	2.83	2.73	2.79	2.88	2.97	2.84	2.91	3.00	3.09	2.94	3.00	3.10	3.20
		AMPS	8.9	9.1	9.4	9.8	9.6	9.8	10.2	10.5	10.4	10.7	11.0	11.4	11.1	11.4	11.7	12.2	11.8	12.1	12.5	12.9	12.5	12.8	13.2	13.7
		HI PR	215	231	244	255	241	260	274	286	274	295	312	325	312	336	355	370	352	378	399	417	388	418	441	460
		LO PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
	1230	MBh	35.6	36.4	38.9	41.6	34.8	35.6	38.0	40.6	34.0	34.7	37.1	39.7	33.2	33.9	36.2	38.7	31.5	32.2	34.4	36.8	29.2	29.8	31.9	34.1
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	22	22	19	16
		KW	2.29	2.33	2.40	2.47	2.45	2.50	2.58	2.66	2.60	2.65	2.74	2.82	2.73	2.79	2.87	2.97	2.84	2.90	2.99	3.09	2.93	3.00	3.09	3.19
		AMPS	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.4	10.6	11.0	11.4	11.1	11.3	11.7	12.1	11.8	12.0	12.4	12.9	12.4	12.7	13.1	13.6
		HI PR	214	231	244	254	240	259	273	285	274	294	311	324	312	335	354	369	350	377	398	415	387	417	440	459
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1050	MBh	32.9	33.6	35.9	38.4	32.1	32.8	35.1	37.5	31.4	32.1	34.2	36.6	30.6	31.3	33.4	35.7	29.1	29.7	31.7	33.9	26.9	27.5	29.4	31.4
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.92	0.75	0.56	1.02	0.96	0.78	0.58	1.03	0.97	0.79	0.59
		Delta T	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	18	26	25	22	17	24	23	20	16
		KW	2.23	2.28	2.35	2.42	2.40	2.44	2.52	2.60	2.54	2.59	2.67	2.75	2.66	2.72	2.80	2.89	2.77	2.83	2.92	3.01	2.86	2.92	3.02	3.11
		AMPS	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.2	10.1	10.4	10.7	11.1	10.8	11.0	11.4	11.8	11.4	11.7	12.1	12.5	12.1	12.4	12.8	13.3
		HI PR	208	224	236	246	233	251	265	276	265	286	301	314	302	325	343	358	340	366	386	403	376	404	427	445
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162

Notes: Shaded Area is AHRI Rating Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS136P-3 + BCE4M36S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	1350	MBh	36.6	37.3	39.1	41.7	35.8	36.5	38.2	40.8	34.9	35.6	37.3	39.8	34.1	34.7	36.4	38.8	32.4	33.0	34.6	36.9	30.0	30.6	32.0	34.2
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		Delta T	25	24	23	20	24	25	23	20	24	24	23	20	23	24	24	20	22	22	23	20	20	21	22	19
		KW	2.31	2.35	2.43	2.50	2.48	2.53	2.60	2.69	2.63	2.68	2.76	2.85	2.76	2.81	2.90	3.00	2.87	2.93	3.02	3.12	2.96	3.03	3.12	3.23
		AMPS	9.0	9.2	9.5	9.8	9.7	9.9	10.2	10.6	10.5	10.8	11.1	11.5	11.2	11.5	11.8	12.3	11.9	12.2	12.6	13.0	12.6	12.9	13.3	13.8
		HI PR	217	234	247	257	244	262	277	289	277	298	315	328	316	340	359	374	355	382	403	421	392	422	446	465
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170
	1230	MBh	36.3	37.0	38.7	41.3	35.4	36.1	37.8	40.3	34.6	35.3	36.9	39.4	33.7	34.4	36.0	38.4	32.1	32.7	34.2	36.5	29.7	30.3	31.7	33.8
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
		Delta T	26	26	25	21	26	26	25	22	26	26	25	22	25	26	25	22	24	24	25	21	22	23	23	20
		KW	2.30	2.35	2.42	2.49	2.47	2.52	2.60	2.68	2.62	2.67	2.76	2.84	2.75	2.81	2.90	2.99	2.86	2.92	3.01	3.11	2.96	3.02	3.12	3.22
		AMPS	9.0	9.2	9.5	9.8	9.7	9.9	10.2	10.6	10.5	10.7	11.1	11.5	11.2	11.4	11.8	12.2	11.9	12.1	12.5	13.0	12.5	12.8	13.3	13.8
		HI PR	216	233	246	257	243	261	276	288	276	297	314	327	315	339	358	373	354	381	402	420	391	421	444	464
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1050	MBh	33.5	34.1	35.7	38.1	32.7	33.3	34.9	37.2	31.9	32.5	34.1	36.4	31.1	31.7	33.2	35.5	29.6	30.2	31.6	33.7	27.4	27.9	29.3	31.2
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	28	27	26	22	28	27	26	22	28	28	26	23	27	28	26	23	26	26	26	22	24	24	24	21
		KW	2.25	2.30	2.36	2.44	2.41	2.46	2.54	2.62	2.56	2.61	2.69	2.78	2.68	2.74	2.83	2.92	2.79	2.85	2.94	3.04	2.88	2.95	3.04	3.14
		AMPS	8.8	9.0	9.2	9.6	9.4	9.6	10.0	10.3	10.2	10.4	10.8	11.2	10.9	11.1	11.5	11.9	11.5	11.8	12.2	12.6	12.2	12.5	12.9	13.4
		HI PR	210	226	239	249	236	254	268	279	268	288	305	318	305	328	347	362	343	369	390	407	379	408	431	450
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS148P-3 + BCE4M48S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1800	MBh	46.1	47.8	52.4	-	45.1	46.7	51.2	-	44.0	45.6	49.9	-	42.9	44.5	48.7	-	40.8	42.2	46.3	-	37.8	39.1	42.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	3.12	3.19	3.29	-	3.36	3.43	3.54	-	3.57	3.65	3.77	-	3.76	3.84	3.96	-	3.91	4.00	4.13	-	4.05	4.14	4.28	-
		AMPS	10.8	11.1	11.6	-	11.9	12.3	12.8	-	13.2	13.6	14.2	-	14.4	14.8	15.4	-	15.5	16.0	16.6	-	16.6	17.1	17.8	-
		HI PR	226	243	257	-	254	273	288	-	289	311	328	-	329	354	374	-	370	398	420	-	409	440	464	-
		LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-
	1690	MBh	45.7	47.3	51.9	-	44.6	46.2	50.7	-	43.5	45.1	49.4	-	42.5	44.0	48.2	-	40.4	41.8	45.8	-	37.4	38.7	42.5	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	3.12	3.18	3.28	-	3.35	3.42	3.53	-	3.56	3.64	3.76	-	3.75	3.83	3.95	-	3.90	3.99	4.12	-	4.04	4.13	4.26	-
		AMPS	10.8	11.1	11.6	-	11.9	12.3	12.8	-	13.2	13.6	14.1	-	14.3	14.7	15.4	-	15.4	15.9	16.6	-	16.6	17.1	17.7	-
		HI PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-
		LO PR	105	112	122	-	111	118	129	-	116	123	134	-	122	129	141	-	127	135	148	-	132	140	153	-
	1400	MBh	42.1	43.7	47.9	-	41.2	42.7	46.8	-	40.2	41.7	45.6	-	39.2	40.6	44.5	-	37.2	38.6	42.3	-	34.5	35.8	39.2	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		KW	3.04	3.11	3.20	-	3.27	3.34	3.45	-	3.48	3.55	3.66	-	3.65	3.73	3.85	-	3.81	3.89	4.02	-	3.94	4.02	4.16	-
		AMPS	10.4	10.7	11.2	-	11.5	11.8	12.3	-	12.7	13.1	13.7	-	13.8	14.3	14.8	-	14.9	15.4	16.0	-	16.0	16.5	17.1	-
		HI PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	395	425	449	-
		LO PR	102	109	119	-	108	115	125	-	112	119	130	-	118	125	137	-	124	131	143	-	128	136	148	-

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS148P-3 + BCE4M48S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	1800	MBh	46.9	48.3	52.3	56.1	45.8	47.2	51.1	54.8	44.7	46.0	49.8	53.5	43.6	44.9	48.6	52.2	41.5	42.7	46.2	49.6	38.4	39.5	42.8	45.9
		S/T	0.86	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		KW	3.15	3.21	3.32	3.42	3.39	3.46	3.57	3.69	3.60	3.68	3.80	3.92	3.79	3.87	4.00	4.13	3.95	4.03	4.17	4.31	4.08	4.17	4.31	4.46
		AMPS	10.9	11.3	11.7	12.3	12.1	12.4	13.0	13.6	13.4	13.8	14.4	15.0	14.5	15.0	15.6	16.3	15.7	16.1	16.8	17.6	16.8	17.3	18.0	18.8
		HI PR	228	246	260	271	256	276	291	304	292	314	331	346	332	357	377	394	374	402	424	443	413	444	469	489
		LO PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165
	1690	MBh	46.4	47.8	51.8	55.5	45.4	46.7	50.6	54.3	44.3	45.6	49.3	53.0	43.2	44.5	48.1	51.7	41.0	42.3	45.7	49.1	38.0	39.1	42.4	45.5
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		Delta T	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	3.14	3.21	3.31	3.41	3.38	3.45	3.56	3.68	3.59	3.67	3.79	3.91	3.78	3.86	3.99	4.12	3.94	4.02	4.16	4.29	4.07	4.16	4.30	4.45
		AMPS	10.9	11.2	11.7	12.2	12.0	12.4	12.9	13.5	13.3	13.7	14.3	15.0	14.5	14.9	15.5	16.2	15.6	16.1	16.7	17.5	16.7	17.2	17.9	18.7
		HI PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	372	401	423	441	412	443	468	488
		LO PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165
	1400	MBh	42.9	44.1	47.8	51.3	41.9	43.1	46.7	50.1	40.9	42.1	45.5	48.9	39.9	41.1	44.4	47.7	37.9	39.0	42.2	45.3	35.1	36.1	39.1	42.0
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11
		KW	3.07	3.13	3.23	3.33	3.30	3.37	3.48	3.59	3.50	3.58	3.69	3.82	3.68	3.76	3.89	4.02	3.84	3.92	4.05	4.19	3.97	4.06	4.19	4.33
		AMPS	10.5	10.8	11.3	11.8	11.6	12.0	12.5	13.1	12.9	13.3	13.8	14.5	14.0	14.4	15.0	15.7	15.1	15.6	16.2	16.9	16.2	16.7	17.3	18.1
		HI PR	221	238	251	262	248	267	282	294	282	303	320	334	321	346	365	381	361	389	411	428	399	430	454	473
		LO PR	103	110	120	128	109	116	127	135	113	121	132	140	119	127	138	147	125	133	145	154	129	137	150	160

Notes: Shaded Area is TVA Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS148P-3 + BCE4M48S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1800	MBh	47.7	48.8	52.1	55.7	46.6	47.6	50.9	54.4	45.5	46.5	49.7	53.1	44.4	45.4	48.5	51.8	42.2	43.1	46.1	49.2	39.1	39.9	42.7	45.6
		S/T	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.61
		Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	22	22	19	15	20	20	18	14
		KW	3.17	3.24	3.34	3.45	3.42	3.49	3.60	3.72	3.63	3.71	3.83	3.95	3.82	3.90	4.03	4.16	3.98	4.07	4.20	4.34	4.12	4.21	4.35	4.50
		AMPS	11.1	11.4	11.9	12.4	12.2	12.6	13.1	13.7	13.5	14.0	14.5	15.2	14.7	15.1	15.8	16.5	15.9	16.3	17.0	17.8	17.0	17.5	18.2	19.0
		HI PR	231	248	262	273	259	279	294	307	294	317	335	349	335	361	381	398	377	406	429	447	417	449	474	494
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167
	1690	MBh	47.3	48.3	51.6	55.2	46.2	47.2	50.4	53.9	45.1	46.1	49.2	52.6	44.0	44.9	48.0	51.3	41.8	42.7	45.6	48.7	38.7	39.5	42.2	45.2
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	19	15
		KW	3.17	3.23	3.33	3.44	3.41	3.48	3.59	3.71	3.62	3.70	3.82	3.95	3.81	3.89	4.02	4.15	3.97	4.06	4.19	4.33	4.11	4.20	4.34	4.48
		AMPS	11.0	11.4	11.8	12.4	12.2	12.5	13.1	13.7	13.5	13.9	14.5	15.1	14.7	15.1	15.7	16.4	15.8	16.3	16.9	17.7	16.9	17.4	18.1	18.9
		HI PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	428	446	416	447	472	493
		LO PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	1400	MBh	43.6	44.6	47.6	50.9	42.6	43.5	46.5	49.7	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.4	38.6	39.4	42.1	45.0	35.7	36.5	39.0	41.7
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
		Delta T	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	24	21	17	24	23	20	16
		KW	3.09	3.16	3.25	3.36	3.33	3.40	3.50	3.62	3.53	3.61	3.72	3.85	3.72	3.80	3.92	4.05	3.87	3.96	4.09	4.22	4.00	4.09	4.23	4.37
		AMPS	10.6	11.0	11.4	12.0	11.7	12.1	12.6	13.2	13.0	13.4	14.0	14.6	14.2	14.6	15.2	15.9	15.3	15.7	16.4	17.1	16.4	16.9	17.5	18.3
		HI PR	223	240	254	265	250	269	285	297	285	306	324	338	324	349	369	384	365	393	415	433	403	434	458	478
		LO PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161

Notes: Shaded Area is AHRI Rating Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS148P-3 + BCE4M48S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	1800	MBh	48.6	49.5	51.9	55.3	47.4	48.4	50.6	54.0	46.3	47.2	49.4	52.7	45.2	46.1	48.2	51.5	42.9	43.8	45.8	48.9	39.8	40.5	42.4	45.3
		S/T	0.98	0.95	0.86	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
		Delta T	24	24	23	20	24	24	23	20	24	24	23	20	23	24	23	20	22	22	23	20	20	21	21	18
		KW	3.20	3.27	3.37	3.48	3.44	3.52	3.63	3.75	3.66	3.74	3.86	3.99	3.85	3.93	4.06	4.20	4.01	4.10	4.24	4.38	4.15	4.24	4.39	4.53
		AMPS	11.2	11.5	12.0	12.6	12.3	12.7	13.3	13.9	13.7	14.1	14.7	15.4	14.9	15.3	15.9	16.7	16.0	16.5	17.2	17.9	17.2	17.7	18.4	19.2
		HI PR	233	251	265	276	262	281	297	310	297	320	338	353	339	365	385	402	381	410	433	452	421	453	478	499
		LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
	1690	MBh	48.1	49.0	51.3	54.8	47.0	47.9	50.1	53.5	45.9	46.7	49.0	52.2	44.7	45.6	47.8	51.0	42.5	43.3	45.4	48.4	39.4	40.1	42.0	44.8
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		Delta T	25	25	23	20	26	25	24	21	25	25	24	21	24	25	24	21	23	24	24	20	21	22	22	19
		KW	3.19	3.26	3.36	3.47	3.44	3.51	3.62	3.74	3.65	3.73	3.85	3.98	3.84	3.93	4.05	4.19	4.00	4.09	4.23	4.37	4.14	4.23	4.37	4.52
		AMPS	11.1	11.5	12.0	12.5	12.3	12.7	13.2	13.8	13.7	14.1	14.6	15.3	14.8	15.3	15.9	16.6	16.0	16.5	17.1	17.9	17.1	17.6	18.3	19.2
		HI PR	232	250	264	275	261	281	296	309	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498
		LO PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
	1400	MBh	44.4	45.2	47.4	50.6	43.4	44.2	46.3	49.4	42.3	43.1	45.2	48.2	41.3	42.1	44.1	47.0	39.2	40.0	41.9	44.7	36.3	37.0	38.8	41.4
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	27	27	25	22	27	27	25	22	27	27	26	22	27	27	26	22	26	26	25	22	24	24	24	20
		KW	3.12	3.18	3.28	3.38	3.35	3.42	3.53	3.65	3.56	3.64	3.76	3.88	3.75	3.83	3.95	4.08	3.90	3.99	4.12	4.26	4.04	4.13	4.26	4.41
		AMPS	10.8	11.1	11.6	12.1	11.9	12.2	12.8	13.4	13.2	13.6	14.1	14.8	14.3	14.7	15.3	16.0	15.4	15.9	16.5	17.3	16.6	17.0	17.7	18.5
		HI PR	225	243	256	267	253	272	287	300	288	310	327	341	328	353	372	388	369	397	419	437	407	438	463	483
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS160P-3 + BCE4M60S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2250	MBh	58.7	60.8	66.6	-	57.3	59.4	65.1	-	56.0	58.0	63.5	-	54.6	56.6	62.0	-	51.9	53.8	58.9	-	48.0	49.8	54.6	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	3.70	3.78	3.91	-	4.00	4.09	4.22	-	4.26	4.36	4.50	-	4.49	4.59	4.75	-	4.69	4.79	4.96	-	4.85	4.97	5.14	-
		AMPS	14.0	14.4	14.9	-	15.2	15.6	16.1	-	16.6	17.0	17.6	-	17.8	18.3	18.9	-	19.0	19.5	20.2	-	20.2	20.7	21.4	-
		HI PR	230	247	261	-	258	278	293	-	293	316	334	-	334	360	380	-	376	405	427	-	415	447	472	-
		LO PR	103	110	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	145	-	129	137	150	-
	1800	MBh	56.7	58.8	64.4	-	55.4	57.4	62.9	-	54.1	56.0	61.4	-	52.7	54.7	59.9	-	50.1	51.9	56.9	-	46.4	48.1	52.7	-
		S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
		Delta T	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	3.64	3.72	3.84	-	3.93	4.02	4.15	-	4.19	4.28	4.43	-	4.41	4.52	4.67	-	4.61	4.71	4.87	-	4.77	4.88	5.05	-
		AMPS	13.8	14.1	14.6	-	14.9	15.3	15.8	-	16.3	16.7	17.3	-	17.5	17.9	18.5	-	18.6	19.1	19.8	-	19.8	20.3	21.0	-
		HI PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-
		LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-
	1750	MBh	56.1	58.2	63.7	-	54.8	56.8	62.3	-	53.5	55.5	60.8	-	52.2	54.1	59.3	-	49.6	51.4	56.3	-	46.0	47.6	52.2	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
		Delta T	20	17	13	-	20	18	13	-	20	18	13	-	21	18	13	-	20	18	13	-	19	16	12	-
		KW	3.60	3.68	3.80	-	3.89	3.98	4.11	-	4.14	4.24	4.38	-	4.37	4.47	4.62	-	4.56	4.66	4.82	-	4.72	4.83	4.99	-
		AMPS	13.6	13.9	14.4	-	14.7	15.1	15.6	-	16.1	16.5	17.1	-	17.2	17.7	18.3	-	18.4	18.9	19.5	-	19.5	20.0	20.8	-
		HI PR	223	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	414	-	402	433	457	-
		LO PR	100	106	116	-	105	112	122	-	109	116	127	-	115	122	133	-	120	128	140	-	125	133	145	-

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS160P-3 + BCE4M60S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	2250	MBh	59.7	61.4	66.5	71.4	58.3	60.0	65.0	69.7	56.9	58.6	63.4	68.1	55.5	57.2	61.9	66.4	52.7	54.3	58.8	63.1	48.9	50.3	54.4	58.4
		S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
		KW	3.73	3.82	3.94	4.07	4.03	4.12	4.26	4.40	4.30	4.39	4.54	4.70	4.53	4.63	4.79	4.96	4.73	4.84	5.00	5.18	4.90	5.01	5.18	5.36
		AMPS	14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.8	17.2	17.8	18.5	18.0	18.4	19.1	19.8	19.2	19.7	20.4	21.2	20.4	20.9	21.6	22.5
		HI PR	232	250	264	275	261	281	296	309	296	319	337	351	338	363	384	400	380	409	432	450	420	452	477	497
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161
	1800	MBh	57.7	59.4	64.3	69.0	56.3	58.0	62.8	67.4	55.0	56.6	61.3	65.8	53.6	55.2	59.8	64.2	51.0	52.5	56.8	61.0	47.2	48.6	52.6	56.5
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
		Delta T	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	20	16	11
		KW	3.67	3.75	3.88	4.01	3.97	4.05	4.19	4.33	4.23	4.32	4.47	4.62	4.45	4.55	4.71	4.87	4.65	4.75	4.92	5.09	4.81	4.93	5.09	5.27
		AMPS	13.9	14.2	14.7	15.3	15.1	15.5	16.0	16.6	16.5	16.9	17.5	18.1	17.6	18.1	18.7	19.5	18.8	19.3	20.0	20.8	20.0	20.5	21.2	22.1
		HI PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	372	401	423	441	412	443	468	488
		LO PR	102	108	118	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	152	128	136	148	158
	1750	MBh	57.1	58.8	63.6	68.3	55.8	57.4	62.1	66.7	54.4	56.0	60.7	65.1	53.1	54.7	59.2	63.5	50.4	51.9	56.2	60.3	46.7	48.1	52.1	55.9
		S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39
		Delta T	23	21	18	12	24	22	18	12	24	22	18	12	24	22	18	12	23	22	18	12	22	20	17	11
		KW	3.63	3.71	3.83	3.96	3.92	4.01	4.14	4.28	4.18	4.27	4.42	4.57	4.40	4.50	4.66	4.82	4.60	4.70	4.86	5.03	4.76	4.87	5.04	5.21
		AMPS	13.7	14.1	14.6	15.1	14.9	15.3	15.8	16.4	16.2	16.7	17.2	17.9	17.4	17.9	18.5	19.2	18.6	19.1	19.7	20.5	19.7	20.2	21.0	21.8
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
		LO PR	101	107	117	125	106	113	124	132	111	118	128	137	116	124	135	144	122	129	141	151	126	134	146	156

Notes: Shaded Area is TVA Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS160P-3 + BCE4M60S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2250	MBh	60.7	62.1	66.3	70.9	59.3	60.6	64.8	69.2	57.9	59.2	63.2	67.6	56.5	57.7	61.7	65.9	53.7	54.9	58.6	62.6	49.7	50.8	54.3	58.0
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
		Delta T	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	15	22	22	19	15	20	21	18	14
		KW	3.77	3.85	3.97	4.11	4.07	4.16	4.30	4.44	4.33	4.43	4.58	4.74	4.57	4.67	4.83	5.00	4.77	4.88	5.05	5.22	4.94	5.06	5.23	5.41
		AMPS	14.3	14.7	15.2	15.8	15.5	15.9	16.5	17.1	16.9	17.4	18.0	18.7	18.2	18.6	19.3	20.0	19.4	19.9	20.6	21.4	20.6	21.1	21.8	22.7
		HI PR	235	253	267	278	263	283	299	312	299	322	340	355	341	367	388	404	384	413	436	455	424	456	482	503
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163
	1800	MBh	58.7	60.0	64.1	68.5	57.3	58.6	62.6	66.9	56.0	57.2	61.1	65.3	54.6	55.8	59.6	63.7	51.9	53.0	56.6	60.5	48.0	49.1	52.4	56.1
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
		Delta T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	18	26	25	22	17	24	23	20	16
		KW	3.70	3.79	3.91	4.04	4.00	4.09	4.23	4.37	4.26	4.36	4.50	4.66	4.49	4.59	4.75	4.91	4.69	4.80	4.96	5.13	4.86	4.97	5.14	5.32
		AMPS	14.0	14.4	14.9	15.5	15.2	15.6	16.2	16.8	16.6	17.0	17.6	18.3	17.8	18.3	18.9	19.6	19.0	19.5	20.2	21.0	20.2	20.7	21.4	22.3
		HI PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	428	446	416	447	472	493
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159
	1750	MBh	58.1	59.4	63.4	67.8	56.8	58.0	62.0	66.2	55.4	56.6	60.5	64.7	54.0	55.2	59.0	63.1	51.3	52.5	56.1	59.9	47.6	48.6	51.9	55.5
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	25	22	18	26	25	22	17	24	23	20	16
		KW	3.66	3.74	3.87	4.00	3.96	4.04	4.18	4.32	4.21	4.31	4.45	4.61	4.44	4.54	4.70	4.86	4.64	4.74	4.90	5.07	4.80	4.91	5.08	5.26
		AMPS	13.9	14.2	14.7	15.3	15.0	15.4	16.0	16.6	16.4	16.8	17.4	18.1	17.6	18.0	18.7	19.4	18.8	19.2	19.9	20.7	19.9	20.4	21.2	22.0
		HI PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	375	391	371	400	422	440	410	441	466	486
		LO PR	102	108	118	126	107	114	125	133	112	119	130	138	117	125	136	145	123	131	143	152	127	135	148	157

Notes: Shaded Area is AHRI Rating Conditions
** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

4SHP16LS160P-3 + BCE4M60S

Cooling Expanded Performance Data

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	2250	MBh	61.8	63.0	66.0	70.4	60.4	61.5	64.4	68.8	58.9	60.1	62.9	67.1	57.5	58.6	61.4	65.5	54.6	55.7	58.3	62.2	50.6	51.6	54.0	57.6
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	24	24	22	19	24	24	23	20	24	24	23	20	23	24	23	20	22	23	23	20	21	21	21	18
		KW	3.80	3.88	4.01	4.14	4.10	4.19	4.33	4.48	4.37	4.47	4.62	4.78	4.61	4.71	4.87	5.04	4.81	4.92	5.09	5.27	4.98	5.10	5.28	5.46
		AMPS	14.4	14.8	15.3	15.9	15.7	16.1	16.6	17.3	17.1	17.5	18.1	18.9	18.3	18.8	19.4	20.2	19.6	20.1	20.8	21.6	20.8	21.3	22.1	22.9
		HI PR	237	255	269	281	266	286	302	315	302	325	344	358	344	371	391	408	388	417	440	459	428	461	487	508
		LO PR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164
	1800	MBh	59.7	60.9	63.7	68.0	58.3	59.5	62.3	66.4	56.9	58.0	60.8	64.8	55.5	56.6	59.3	63.3	52.8	53.8	56.3	60.1	48.9	49.8	52.2	55.7
		S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
		Delta T	27	27	26	22	28	27	26	22	28	27	26	22	28	28	26	23	27	27	26	22	25	25	24	21
		KW	3.73	3.82	3.94	4.07	4.03	4.12	4.26	4.41	4.30	4.39	4.54	4.70	4.53	4.63	4.79	4.96	4.73	4.84	5.00	5.18	4.90	5.01	5.18	5.37
		AMPS	14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.8	17.2	17.8	18.5	18.0	18.4	19.1	19.8	19.2	19.7	20.4	21.2	20.4	20.9	21.6	22.5
		HI PR	232	250	264	275	261	281	296	309	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161
	1750	MBh	59.1	60.3	63.1	67.3	57.7	58.9	61.6	65.8	56.4	57.5	60.2	64.2	55.0	56.1	58.7	62.6	52.2	53.3	55.8	59.5	48.4	49.3	51.7	55.1
		S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72
		Delta T	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	27	26	22	25	26	24	21
		KW	3.69	3.78	3.90	4.03	3.99	4.08	4.21	4.36	4.25	4.35	4.49	4.65	4.48	4.58	4.74	4.90	4.67	4.78	4.95	5.12	4.84	4.96	5.13	5.30
		AMPS	14.0	14.3	14.8	15.4	15.2	15.6	16.1	16.7	16.6	17.0	17.6	18.3	17.8	18.2	18.8	19.6	18.9	19.4	20.1	20.9	20.1	20.6	21.4	22.2
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	138	147	124	132	144	154	128	137	149	159

** Entering Indoor Dry Bulb Temperature*
KW= Total systems watts
Amps= Outdoor units Amps

Expanded Performance Data Heating Operation

4SHP16LS124P-3 + BCE4M24S

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	27.5	26.1	24.5	22.9	21.9	21.2	19.7	18.2	17.8	16.4	15.1	14.3	13.8	12.4	11.0	9.6	8.2	6.7
T/R	31.1	29.4	27.7	25.9	24.7	24.0	22.3	20.5	20.1	18.6	17.1	16.1	15.5	14.0	12.4	10.8	9.2	7.5
KW	1.97	1.93	1.89	1.85	1.83	1.81	1.77	1.73	1.77	1.72	1.68	1.66	1.64	1.60	1.56	1.52	1.47	1.43
AMPS	10.4	9.7	9.0	8.5	8.2	8.0	7.6	7.2	6.9	6.6	6.3	6.1	6.0	5.7	5.3	5.0	4.6	4.2
COP	4.08	3.95	3.79	3.62	3.50	3.43	3.25	3.07	2.95	2.79	2.64	2.53	2.46	2.26	2.06	1.84	1.62	1.36
EER	14.0	13.5	13.0	12.4	12.0	11.7	11.1	10.5	10.1	9.5	9.0	8.6	8.4	7.7	7.0	6.3	5.5	4.7
HI PR	392	375	361	345	337	331	318	305	292	279	268	262	257	247	238	228	220	212
LO PR	138	128	120	110	104	100	92	82	74	66	58	54	52	44	38	32	28	22

4SHP16LS136P-3 + BCE4M36S

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	43.7	41.4	39.0	36.4	34.8	33.7	31.3	28.9	26.8	24.7	22.8	21.5	20.7	18.6	16.5	14.4	12.3	10.0
T/R	32.9	31.2	29.3	27.4	26.2	25.4	23.6	21.7	20.2	18.6	17.1	16.2	15.6	14.0	12.4	10.8	9.2	7.6
KW	3.15	3.09	3.03	2.97	2.93	2.91	2.85	2.79	2.65	2.59	2.53	2.50	2.48	2.42	2.36	2.30	2.24	2.18
AMPS	15.2	14.1	13.2	12.4	12.0	11.8	11.1	10.6	10.1	9.7	9.2	9.0	8.9	8.5	7.9	7.5	6.9	6.3
COP	4.06	3.92	3.76	3.59	3.47	3.39	3.22	3.03	2.96	2.79	2.63	2.52	2.45	2.25	2.04	1.83	1.60	1.35
EER	13.9	13.4	12.9	12.3	11.9	11.6	11.0	10.4	10.1	9.5	9.0	8.6	8.4	7.7	7.0	6.2	5.5	4.6
HI PR	417	400	384	368	359	352	339	325	311	297	285	279	274	263	253	243	234	226
LO PR	145	134	126	115	109	105	96	86	77	69	61	57	55	46	40	34	29	23

4SHP16LS148P-3 + BCE4M48S

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	55.3	52.4	49.3	46.1	44.0	42.6	39.6	36.5	36.9	34.0	31.3	29.6	28.5	25.6	22.7	19.8	16.9	13.8
T/R	30.3	28.7	27.0	25.2	24.1	23.4	21.7	20.0	20.2	18.7	17.2	16.2	15.6	14.0	12.4	10.8	9.2	7.6
KW	4.03	3.95	3.87	3.79	3.75	3.71	3.63	3.55	3.47	3.39	3.31	3.27	3.23	3.15	3.08	3.00	2.92	2.84
AMPS	22.8	20.8	19.2	17.9	17.1	16.7	15.6	14.6	13.8	13.0	12.2	11.8	11.6	10.9	9.9	9.1	8.1	7.0
COP	4.02	3.88	3.73	3.56	3.44	3.36	3.19	3.01	3.11	2.94	2.77	2.65	2.58	2.37	2.16	1.93	1.69	1.42
EER	13.7	13.3	12.7	12.2	11.7	11.5	10.9	10.3	10.6	10.0	9.5	9.1	8.8	8.1	7.4	6.6	5.8	4.9
HI PR	407	390	375	358	350	343	330	317	303	290	278	272	267	257	247	237	228	220
LO PR	137	127	119	109	103	99	91	81	73	65	57	53	52	44	38	32	28	22

4SHP16LS160P-3 + BCE4M60S

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	69.9	66.2	62.3	58.2	55.6	53.9	50.0	46.1	46.0	42.4	39.1	36.9	35.5	31.9	28.3	24.6	21.0	17.2
T/R	35.6	33.7	31.7	29.6	28.3	27.4	25.5	23.5	23.4	21.6	19.9	18.8	18.1	16.2	14.4	12.6	10.7	8.8
KW	5.70	5.58	5.46	5.34	5.27	5.22	5.10	4.98	4.69	4.57	4.46	4.39	4.35	4.23	4.12	4.00	3.89	3.78
AMPS	25.1	23.2	21.6	20.3	19.5	19.1	18.0	17.0	16.2	15.4	14.6	14.3	14.1	13.3	12.3	11.5	10.6	9.4
COP	3.59	3.47	3.34	3.19	3.09	3.02	2.87	2.71	2.87	2.72	2.57	2.46	2.39	2.21	2.01	1.80	1.58	1.34
EER	12.3	11.9	11.4	10.9	10.6	10.3	9.8	9.3	9.8	9.3	8.8	8.4	8.2	7.5	6.9	6.2	5.4	4.6
HI PR	496	476	457	437	427	419	403	386	370	354	339	331	325	313	301	289	278	269
LO PR	131	122	114	105	99	95	88	78	70	63	55	51	50	42	36	30	27	21

KW= Total systems watts
Amps= Outdoor units Amps
Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capcity listed

ACCESSORIES

DESCRIPTION	WHERE USED	KIT CATALOG NO.
TXV Kit	4SHP16LS124	H4TXV01
	4SHP16LS136 & 48	H4TXV02
	4SHP16LS160	H4TXV03
Crankcase Heater	All Models	Factory Installed
Sound Cover	All Models	Factory Installed
Loss of Charge Kit	All Models	Factory Installed
Blower Time Delay	All Models	58M81
Const. Torque Furnace Relay	All Models	85M66
Electric Heat Outdoor Thermostat & Mounting Box	All Models	56A87 / 31461
Fossil Fuel Kit	All Models	1.841189
Liquid Line Solinoid	All Models	60M5201
Single Point Power Supply	All Models	21H39
Low Ambient (Cooling Operation)	All Models	68M04
Mild Ambient (Heating Operation)	All Models	33M07
Cold Weather	All Models	1.921145
Const. Torque Furnace Relay	All Models	85W66
Comfort Sync™ Wi-Fi Thermostat	All Models	1.841197
Comfort Sync™ Zoning Controller	All Models	1.851399
Comfort Sync™ In-Zone Sensor	All Models	1.851400
Discharge Temperature Sensor	All Models	88K38

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FORM NO. 4SHP16LS-100 (02/2017)

Printed in the U.S.A.