4SHP13

3 Phase Split System Heat Pump

Form No. 4SHP13LC-100 (01/2012)

FEATURES:

COMPRESSOR

- High-efficiency scroll compressor
- R410a refrigerant
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions

CABINET

- Full metal louvered panel coil guard protection
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- External gauge ports for easy service
- Raised base pan with ports allows for excellent water and debris drainage

COMPONENTS

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Bi-directional filter drier for long-lasting durability and system protection
- Discharge muffler for quiet operation
- Reliable, solid-state, time-initiated, temperature-terminated defrost system
- Service valves positioned for quick installation and easy service
- Low pressure switch for loss of charge system protection
- Trade-available components
- Defrost control features built-in diagnostics for easier service
- Defrost control has short cycle protection to protect compressor
- Defrost control is Quiet Shift™ capable
- Defrost cycle is field selectable 30/60/90 minutes

COIL

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

DESIGN

- Designed for ambients up to 125°F

ACCESSORIES

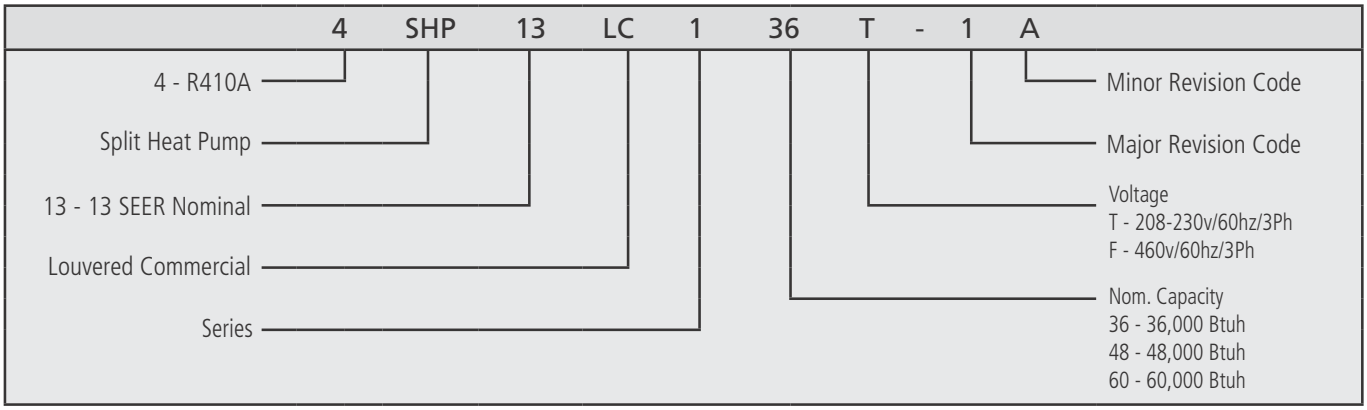
- Fossil fuel kit
- Low ambient kit
- Crank Case Heater

WARRANTIES

- 1 year parts; 5 year compressor

ALLIED Commercial

Model Number Guide

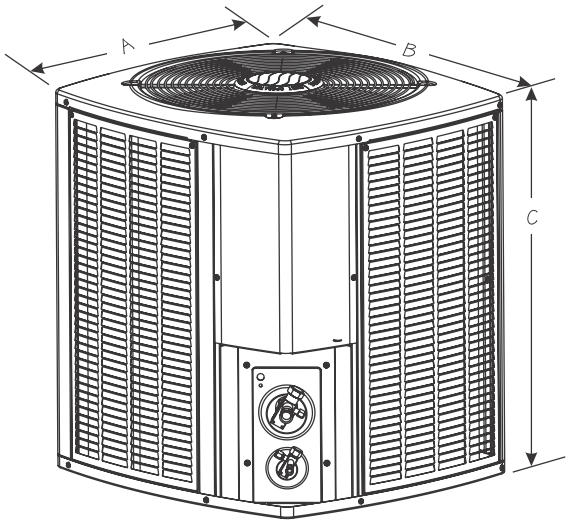


Electrical and Physical Data

Model	Voltage/ Phase/ Hz	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		
4SHP13LC136T	208-230/3/60	197 - 253	14.2	20	10.4	73.0	1.1	1/5	1075	162	202
4SHP13LC148T	208-230/3/60	197 - 253	18.8	30	13.7	83.1	1.7	1/4	825	186	260
4SHP13LC160T	208-230/3/60	197 - 253	21.3	35	15.6	110.0	1.7	1/4	825	240	299
4SHP13LC136F	460/3/60	414 - 506	7.8	15	5.8	38.0	0.55	1/5	1075	162	202
4SHP13LC148F	460/3/60	414 - 506	8.8	15	6.2	41.0	1.0	1/4	825	186	260
4SHP13LC160F	460/3/60	414 - 506	10.7	15	7.8	52.0	1.0	1/4	825	240	299

Dimensions (in.) and Sound Ratings

Model No. (T and F Models)	A	B	C	Sound Ratings dBA
4SHP13LC136	24-3/4	26-3/4	29-3/4	76
4SHP13LC148	29-3/8	31-1/4	33-3/4	78
4SHP13LC160	29-3/8	31-1/4	43-3/4	78



Cooling Performance with Air Handlers and Furnaces

Armstrong, AirEase, Ducane and Concord

Outdoor Model	Indoor Model		Cooling				Heating					CFM	Refrigerant Connection				Refrig. Line Size		Indoor Expansion Device	
								47		17			Outdoor		Indoor					
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity[1]	Rated Sensible Capacity	HSPF	Btuh	COP	Btuh	COP		Suction	Liquid	Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SHP13LC136F	E(U,C,M,H)1P36A	80G2UH070AV12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	80G2UH090BV16	13.0	10.5	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	80G2UH110CV20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36A	A80DF1E045A12	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80DF1E070B12	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80DF1E090B16	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80DF1E110C20	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36A	A80DF2V070A12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80DF2V090B16	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80DF2V110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH1E070B12*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH1E090B16*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH1E090C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH1E110C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36A	A80UH2V070A12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH2V090B12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH2V090B16	13.0	10.5	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH2V090C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH2V110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95DF1E070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95DF2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95DF2V070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02

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 Enterprises furnace and AH products.

Cooling Performance with Air Handlers and Furnaces

Armstrong, AirEase, Ducane and Concord

Outdoor Model	Indoor Model		Cooling				Heating					CFM	Refrigerant Connection				Refrig. Line Size		Indoor Expansion Device	
								47		17			Outdoor		Indoor					
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity[1]	Rated Sensible Capacity	HSPF	Btuh	COP	Btuh	COP		Suction	Liquid	Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SHP13LC136F	E(U,C,M,H)1P36C	A95UH1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95UH2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95UH2V070B12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V090C12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V110C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A96DFMV070B12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96DFMV090C16	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96DFMV090C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96DFMV110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A96UHMV070B12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96UHMV090C12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96UHMV110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	EFV12BC	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	EFV16CC	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	BCS2M36C****4X		13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	7/8	3/8	7/8	3/8	NA	NA
	BCS2M36C00NA-1P		13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV02
4SHP13LC136T	E(U,C,M,H)1P36A	80G2UH070AV12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	80G2UH090BV16	13.0	10.5	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	80G2UH110CV20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36A	A80DF1E045A12	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80DF1E070B12	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80DF1E090B16	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02

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4SHP13LC136T	E(U,C,M,H)1P36C	A80DF1E110C20	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36A	A80DF2V070A12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80DF2V090B16	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80DF2V110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH1E070B12*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH1E090B16*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH1E090C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH1E110C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36A	A80UH2V070A12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH2V090B12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A80UH2V090B16	13.0	10.5	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH2V090C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A80UH2V110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95DF1E070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95DF2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95DF2V070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95DF2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95UH2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A95UH2V070B12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V090C12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02

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 standard on all Allied Air Enterprises furnaces and AH products.

Cooling Performance with Air Handlers and Furnaces

Armstrong, AirEase, Ducane and Concord

Outdoor Model	Indoor Model		Cooling				Heating					CFM	Refrigerant Connection				Refrig. Line Size		Indoor Expansion Device	
								47		17			Outdoor		Indoor					
	Evaporator Coil or Air Handler[2]	Furnaces	SEER	EER	ARI Rated Capacity[1]	Rated Sensible Capacity	HSPF	Btuh	COP	Btuh	COP		Suction	Liquid	Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SHP13LC136T	E(U,C,M,H)1P36C	A95UH2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V110C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A95UH2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A96DFMV070B12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96DFMV090C16	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96DFMV090C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96DFMV110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	A96UHMV070B12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96UHMV090C12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	A96UHMV110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36B	EFV12BC	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	E(U,C,M,H)1P36C	EFV16CC	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	3/4	3/8	7/8	3/8	NA	H4TXV02
	BCS2M36C****4X		13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	7/8	3/8	7/8	3/8	NA	NA
	BCS2M36C00NA-1P		13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV02
4SHP13LC148F	E(U,C)1P60D	A80UH2V135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV03
	E(U,C)1P60D	A96UHMV135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV03
	E(U,C)1P60D	EFV20DC	13.0	11.0	47,500	34,200	7.7	43,500	3.5	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV03
	ACBX32CM-148		13.0	11.0	47,500	34,200	7.7	44,500	3.5	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	NA
4SHP13LC148T	E(U,C)1P60D	A80UH2V135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV03
	E(U,C)1P60D	A96UHMV135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV03
	E(U,C)1P60D	EFV20DC	13.0	11.0	47,500	34,200	7.7	43,500	3.5	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	H4TXV03
	ACBX32CM-148		13.0	11.0	47,500	34,200	7.7	44,500	3.5	27,600	2.40	1,600	7/8	3/8	7/8	3/8	7/8	3/8	NA	NA
4SHP13LC160F	BCS2M60C****4X		13.0	10.8	57,000	40,500	7.7	56,000	3.3	36,000	2.50	1,800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	NA
	BCS2M60C00NA-1P		13.0	10.8	57,000	40,500	7.7	56,000	3.3	36,000	2.50	1,800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
4SHP13LC160F	BCS2M60C****4X		13.0	10.8	57,000	40,500	7.7	56,000	3.3	36,000	2.50	1,800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	NA
	BCS2M60C00NA-1P		13.0	10.8	57,000	40,500	7.7	56,000	3.3	36,000	2.50	1,800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03

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Cooling Performance Extended Ratings

Outdoor Model	Indoor Model	Indoor Temp DB/WB ºF	Outdoor Temp - DBºF														
			65			82			95			105			115		
			Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
4SHP13LC136	ACBX32CM-136 EFV12BC/E(U,C,M)1P36B EFV16CC/E(U,C,M)1P36C	85/72	38,200	.67	2.30	37,000	.68	2.68	35,200	.71	3.14	34,000	.73	3.41	32,000	.74	3.87
		80/67	37,200	.70	2.27	36,000	.71	2.65	34,200	.74	3.11	33,000	.76	3.38	31,000	.77	3.84
		75/63	36,200	.73	2.24	35,000	.74	2.62	33,200	.77	3.08	32,000	.79	3.35	30,000	.80	3.81
4SHP13LC148	ACBX32CM-148 EFV20DC/E(U,C,M)1P60D	85/72	55,400	.67	3.17	52,000	.69	3.79	50,000	.72	4.39	48,000	.73	4.53	45,800	.75	4.85
		80/67	53,400	.70	3.14	50,000	.72	3.76	48,000	.75	4.36	46,000	.76	4.50	43,800	.78	4.82
		75/63	51,400	.73	3.11	48,000	.75	3.73	46,000	.78	4.33	44,000	.79	4.47	41,800	.81	4.79
4SHP13LC160	ACBX32M-160 E(U,C,H)1P60D E(U,C,H)1P62C,D EFV20DC/E(U,C,M)1P60D EFV20DC/E(U,C,M)1P62D	85/72	62,000	.68	3.67	61,000	.70	4.37	59,000	.73	5.31	57,000	.74	5.58	55,000	.76	6.26
		80/67	60,000	.71	3.64	59,000	.73	4.34	57,000	.76	5.28	55,000	.77	5.55	53,000	.79	6.23
		75/63	58,000	.74	3.61	57,000	.76	4.31	55,000	.79	5.25	53,000	.80	5.52	51,000	.82	6.20

NOTE: M coils are in both painted and embossed metal cabinets - check the coil specification for specifics.
NOTE: H coils are available in embossed metal only.

Heating Performance Extended Ratings

Outdoor Model	Indoor Model	Outdoor Temp - DB/WBºF														
		0/0			17/15			35/33			47/43			62/56		
		Btuh	COP	kW	Btuh	COP	kW	Btuh	COP	kW	Btuh	COP	kW	Btuh	COP	kW
4SHP13LC136	ACBX32CM-136 EFV12BC/E(U,C,M)1P36B EFV16CC/E(U,C,M)1P36C	13,400	1.80	2.33	21,400	2.50	2.51	29,900	3.20	2.74	35,600	3.70	2.82	42,700	4.30	2.91
4SHP13LC148	ACBX32CM-148 EFV20DC/E(U,C)1P60D	18,000	1.70	3.23	27,600	2.40	3.37	37,700	3.10	3.56	44,500	3.60	3.62	53,000	4.20	3.70
4SHP13LC160	ACBX32CM-160 E(U,C,H)1P60C00NA-1P EFV20DC/E(U,C)1P60D EFV20DC/E(U,CH)1P62D	24,700	2.00	3.88	36,000	2.50	4.22	48,000	3.00	4.69	56,000	3.40	4.80	66,000	3.90	4.90

Accessories

Kit Number	Description	Used with
40K58	Blower Off Delay Kit	All 4SHP13LC's
69J03	Compressor Sound covers	All 4SHP13LC's
45F08	Compressor Low ambient Cut-off	All 4SHP13LC's
93G35	Freezestats - 3/8"	All 4SHP13LC's
39H29	Freezestats - 1/2"	All 4SHP13LC's
50A93	Freezestats - 5/8"	All 4SHP13LC's
34M72	Low Ambient Kit	All 4SHP13LC's
33M07	Mild Ambient Kit	All 4SHP13LC's
H4TXV02	TXV Kit	4SHP13LC 36
H4TXV03	TXV Kit	4SHP13LC 48, 60

Form No. 4SHP13LC-100 (01/2012)

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