

4SCU18LS

18 SEER Split System Enhanced Air Conditioning

Product Specifications

Form No. 4SCU18LS-100 (04/2013)



Communicating Thermostat enabled



COMPRESSOR

- High-efficiency 2 stage Copeland UltraTech™ scroll compressor
- R410a refrigerant
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

CABINET

- Full metal louvered panels remove easily for coil cleaning and service
- 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
- PVC coated wire fan discharge grill
- External gauge ports for easy service

COILS

- Enhanced aluminum fins and copper tubing for higher 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

COMPONENTS

- Service valves positioned for quick installation and easy service
- Variable speed condenser fan motor with swept-wing fan blade
- High and low pressure switches factory installed
- Trade available components
- Factory installed crank case heater
- Charged for 15 ft. of line set
- Thermostat flexibility:
 - works with the Comfort Sync™ T-Stat (when matched with communicating indoor unit) or a conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption

WARRANTY

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

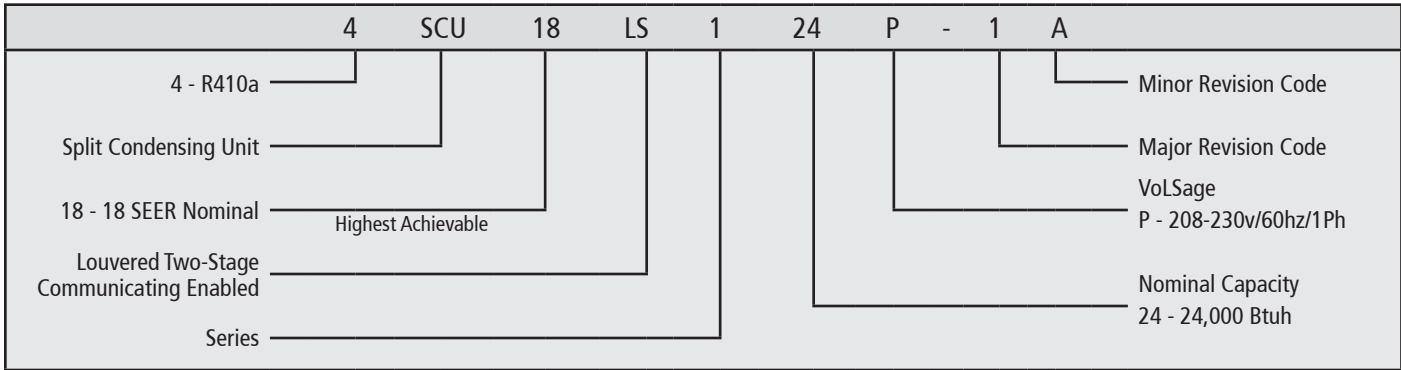
*Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty). Warranty must be registered online within 60 days of installation to qualify for 10-year coverage. Unregistered equipment defaults to 5-year coverage. 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.



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Visit www.energystar.gov for details.



Model Number Guide

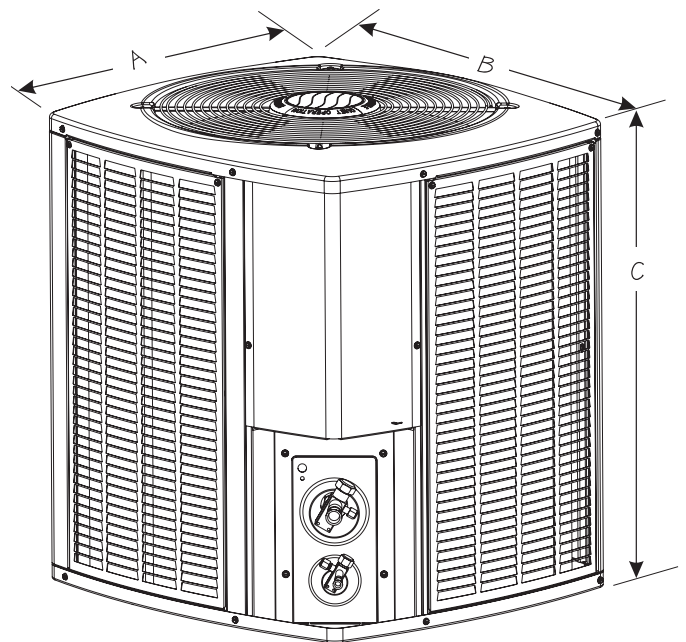


Electrical and Physical Data

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		
4SCU18LS124P	230/60/1	216 - 253	15.6	25	10.2	52.0	.7	1/3	825	302	297
4SCU18LS136P	230/60/1	216 - 253	23.7	40	16.6	82.0	.6	1/3	825	240	297
4SCU18LS148P	230/60/1	216 - 253	29.3	50	21.1	96.0	.8	1/3	825	252	297
4SCU18LS160P	230/60/1	216 - 253	34.4	60	25.6	118.0	.8	1/3	825	244	321

Dimensions (in.) and Sound Ratings

Model No.	A	B	C	Sound Rating dBA
4SCU18LS124P	35.66	37.66	44	72
4SCU18LS136P	35.66	37.66	44	75
4SCU18LS148P	35.66	37.66	44	77
4SCU18LS160P	35.66	37.66 <td 44	77	



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Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 124P	BCS2M36@00NA1P		18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	EFV08BC	17.8	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	EFV08BC	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30A	A80DF1E045A12	17.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80DF1E070B12	16.5	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80DF1E070B12	16.5	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30A	A80+2V070A12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80+2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80+2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30A	A80UH1E045A12*	17.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80UH1E070B12*	16.5	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80UH1E070B12*	16.5	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30A	A80#2V070A12	17.5	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80#2V090B12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80#2V090B12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80#2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80#2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95DF1E045B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95DF1E045B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95DF2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95DF2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95UH1E045B12S	16.5	13.0	24,000	18,500	830	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95UH1E045B12S	16.5	13.0	24,000	18,500	830	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95UH1E070B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95UH1E070B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95UH2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
E(U,C,M,H)1P43B	A95UH2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01	
E(U,C,M)1P30B	A95UH2V070B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01	

+ DF or DS
UH or US
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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.

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Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 124P	E(U,C,M,H)1P43B	A95UH2V070B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95UH2V090C12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95UH2V090C12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A96DFMV070B12 A97DSMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A96DFMV070B12 A97DSMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A96UHMV070B12 A97USMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A96UHMV070B12 A97USMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A96UHMV090C12 A97USMV090C12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A96UHMV090C12 A97USMV090C12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	LBR,LUF****V14	17.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	LHF,LHR,LUF****V12	17.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	LUF,LBF,LBR****V14	17.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
4SCU18LS 136P	BCS2M48@00NA1P		17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	EFV12BC	17.0	12.0	34,000	25,500	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	EFV12BC	17.5	12.4	35,600	26,700	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	EFV12BC	17.5	12.5	35,600	26,700	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	EFV16CC	18.0	12.5	34,500	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30A	A80DF1E045A12	16.0	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36A	A80DF1E045A12	16.5	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80DF1E070B12	17.0	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A80DF1E070B12	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80DF1E070B12	17.0	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80DF1E090B16	16.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A80DF1E090B16	16.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80DF1E090B16	16.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A80+2V090B16	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80+2V090B16	17.0	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01

+ DF or DS
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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.

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Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 136P	E(U,C,H)1P62C	A80+2V110C20	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A80+2V110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A80+2V110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30A	A80UH1E045A12*	16.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36A	A80UH1E045A12*	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80UH1E070B12*	16.0	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A80UH1E070B12*	16.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80UH1E070B12*	16.0	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A80UH1E090B16*	16.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A80UH1E090B16*	16.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80UH1E090B16*	16.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36A	A80#2V070A12	16.5	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A80#2V090B12	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80#2V090B12	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A80#2V090B16	16.5	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A80#2V090B16	17.0	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A80#2V090C20	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A80#2V090C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A80#2V090C20	17.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95DF1E045B12S	15.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A95DF1E045B12S	15.5	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95DF1E045B12S	15.5	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95DF1E070B16S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A95DF1E070B16S	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95DF1E070B16S	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95DF1E090C16S	16.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
E(U,C,M)1P30C	A95DF1E090C16S	16.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01	

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Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 136P	E(U,C,M,H)1P36C	A95DF1E090C16S	16.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95DF1E090C16S	16.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95DF2V045B12S	16.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A95DF2V045B12S	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95DF2V045B12S	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95DF2V070B16S	16.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A95DF2V070B16S	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95DF2V070B16S	17.0	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95DF2V090C20S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95DF2V090C20S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A95DF2V090C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95DF2V090C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95DF2V110C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95DF2V110C20S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A95DF2V110C20S	17.5	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95DF2V110C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95UH1E045B12S	15.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A95UH1E045B12S	15.5	11.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95UH1E045B12S	15.5	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95UH1E070B12S	16.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A95UH1E070B12S	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95UH1E070B12S	17.0	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95UH1E090C16S	16.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95UH1E090C16S	16.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
E(U,C,M,H)1P36C	A95UH1E090C16S	16.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01	
E(U,C,M,H)1P43C	A95UH1E090C16S	16.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01	
E(U,C,M)1P30B	A95UH2V045B12S	16.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01	

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 36,

Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 136P	E(U,C,M,H)1P36B	A95UH2V045B12S	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95UH2V045B12S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30B	A95UH2V070B12S	17.0	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A95UH2V070B12S	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A95UH2V070B12S	17.5	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95UH2V090C12S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95UH2V090C12S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A95UH2V090C12S	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95UH2V090C12S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95UH2V090C16S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95UH2V090C16S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A95UH2V090C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95UH2V090C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95UH2V090C20S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95UH2V090C20S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A95UH2V090C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95UH2V090C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A95UH2V110C16S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M)1P30C	A95UH2V110C16S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A95UH2V110C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A95UH2V110C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A96DFMV070B12 A97DSMV070B12	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A96DFMV070B12 A97DSMV070B12	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A96DFMV090C16 A97DSMV090C16	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
E(U,C,M,H)1P36C	A96DFMV090C16 A97DSMV090C16	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01	
E(U,C,M,H)1P43C	A96DFMV090C16 A97DSMV090C16	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01	
E(U,C,H)1P62C	A96DFMV090C20 A97DSMV090C20	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01	

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 36,

Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 136P	E(U,C,M,H)1P36C	A96DFMV090C20 A97DSMV090C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A96DFMV090C20 A97DSMV090C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A96DFMV110C20 A97DSMV110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A96DFMV110C20 A97DSMV110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36B	A96UHMV070B12 A97USMV070B12	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43B	A96UHMV070B12 A97USMV070B12	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A96UHMV090C12 A97USMV090C12	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A96UHMV090C12 A97USMV090C12	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A96UHMV090C12 A97USMV090C12	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	A96UHMV110C20 A97USMV110C20	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P36C	A96UHMV110C20 A97USMV110C20	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,M,H)1P43C	A96UHMV110C20 A97USMV110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	LBR84-95V14	15.8	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	LHF84-95V12	15.8	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	LHR84-95V12	15.8	12.3	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	LUF112-125V20	15.8	12.3	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
	E(U,C,H)1P62C	LUF57-72V12	15.8	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01
E(U,C,H)1P62C	LUF84-95V14	15.8	12.3	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV01	

Note:

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- 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 48,

Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 148P	BCS2M48@00NA1P		15.5	12.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	EFV16CC	15.5	12.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	EFV16CC	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	EFV16CC	15.1	11.5	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	EFV20DC	15.5	12.0	46,000	34,100	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80DF1E110C20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80DF1E110C20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A80DF1E110C20	14.5	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80+2V110C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80+2V110C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A80+2V110C20	15.0	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80UH1E090C20*	15.1	12.0	46,500	34,400	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80UH1E090C20*	15.1	12.0	47,000	34,800	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A80UH1E090C20*	14.5	11.7	46,000	34,100	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80UH1E110C20*	15.1	12.0	46,500	34,400	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80UH1E110C20*	15.1	12.0	47,000	34,800	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A80UH1E110C20*	14.5	11.7	46,000	34,100	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80#2V090C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80#2V090C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A80#2V090C20	14.5	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80#2V110C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80#2V110C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A80#2V110C20	14.5	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	A80#2V135D20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
E(U,C,H)1P49C	A95DF1E110C20S	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03	
E(U,C,H)1P62C	A95DF1E110C20S	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03	
E(U,C,M)1P48C	A95DF1E110C20S	14.0	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03	

+ 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 relay is standard on all Allied Air Enterprises furnaces and AH products.

Cooling Performance with Air Handlers and Furnaces 48,

Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 148P	E(U,C,H)1P49C	A95DF2V090C20S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95DF2V090C20S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A95DF2V090C20S	14.8	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95DF2V110C20S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95DF2V110C20S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A95DF2V110C20S	14.8	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH1E110C20S	15.1	12.0	46,500	34,400	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH1E110C20S	15.1	12.0	47,000	34,800	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A95UH1E110C20S	14.0	11.7	46,000	34,100	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH2V090C16S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH2V090C16S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A95UH2V090C16S	14.8	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH2V090C20S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH2V090C20S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A95UH2V090C20S	14.8	11.5	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH2V110C16S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH2V110C16S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A95UH2V110C16S	14.8	11.5	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH2V110C20S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH2V110C20S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A95UH2V110C20S	14.8	11.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	A95UH2V135D20S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96DFMV090C16 A97DSMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96DFMV090C16 A97DSMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
E(U,C,M)1P48C	A96DFMV090C16 A97DSMV090C16	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03	
E(U,C,H)1P49C	A96DFMV090C20 A97DSMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03	
E(U,C,H)1P62C	A96DFMV090C20 A97DSMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03	

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.
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Cooling Performance with Air Handlers and Furnaces 48,

Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 148P	E(U,C,M)1P48C	A96DFMV090C20 A97DSMV090C20	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96DFMV110C20 A97DSMV110C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A96DFMV110C20 A97DSMV110C20	15.0	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96UHMV090C16 A97USMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96UHMV090C16 A97USMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A96UHMV090C16 A97USMV090C16	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96UHMV090C20 A97USMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96UHMV090C20 A97USMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A96UHMV090C20 A97USMV090C20	15.0	11.5	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96UHMV110C20 A97USMV110C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96UHMV110C20 A97USMV110C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,M)1P48C	A96UHMV110C20 A97USMV110C20	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	A96UHMV135D20 A97USMV135D20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	LUF*****V20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03

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 60

Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 160P	BCS2M60@00NA1P		15.5	11.7	57,000	41,600	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	EFV16CC	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	EFV20DC	15.0	11.5	57,000	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80DF1E110C20	15.1	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80DF1E110C20	15.1	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80+2V110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80+2V110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80UH1E090C20*	15.5	12.0	57,000	41,600	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80UH1E090C20*	15.5	12.0	57,500	42,400	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80UH1E110C20*	15.5	12.0	57,000	41,600	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80UH1E110C20*	15.5	12.0	57,500	42,400	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80#2V090C20	15.0	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80#2V090C20	15.0	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A80#2V110C20	15.0	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A80#2V110C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	A80#2V135D20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95DF1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95DF1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95DF2V090C20S	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95DF2V090C20S	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03

+ DF or DS
UH or US
@ V or S

Note:

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- 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 60

Outdoor Model	Indoor Model		SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
								Suction	Liquid	Suction	Liquid				
4SCU18LS 160P	E(U,C,H)1P49C	A95DF2V110C20S	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95DF2V110C20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH2V090C20S	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH2V090C20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A95UH2V110C20S	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A95UH2V110C20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	A95UH2V135D20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96DFMV090C20 A97DSMV090C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96DFMV090C20 A97DSMV090C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96DFMV110C20 A97DSMV110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96UHMV090C20 A97USMV090C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96UHMV090C20 A99USMV090C20	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P49C	A96UHMV110C20 A97USMV110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62C	A96UHMV110C20 A97USMV110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	A96UHMV135D20 A99USMV135D20	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	NA	H4TXV03
	E(U,C,H)1P62D	LUF*****V20	15.1	11.5	57,500	42,000	1800	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 °F	Outdoor Temp - DB°F														
			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
4SCU18LS 124P	EC1P43B+EFV08	85/72	33,100	.65	1.43	30,400	.68	1.77	28,300	.71	2.03	26,700	.73	2.23	25,100	.75	2.43
		80/67	30,400	.72	1.40	27,900	.75	1.74	26,000	.77	2.00	24,500	.79	2.20	23,100	.80	2.40
		75/63	28,500	.76	1.38	26,000	.77	1.72	24,100	.78	1.98	22,600	.79	2.18	21,200	.80	2.38
4SCU18LS 136P	EC1P62C+EFV16	85/72	45,900	.64	2.19	42,100	.69	2.60	39,200	.73	2.92	37,000	.75	3.17	34,700	.78	3.42
		80/67	42,200	.72	2.14	38,700	.76	2.56	36,000	.79	2.88	33,900	.81	3.13	31,800	.84	3.37
		75/63	39,800	.76	2.11	36,100	.78	2.53	33,300	.80	2.85	31,100	.82	3.09	29,000	.83	3.34
4SCU18LS 148P	EC1P62D+EFV20	85/72	58,800	.62	2.99	54,500	.67	3.55	51,200	.71	3.98	48,700	.73	4.31	46,100	.76	4.64
		80/67	54,200	.70	2.93	50,100	.74	3.49	47,000	.77	3.92	44,600	.79	4.25	42,200	.82	4.58
		75/63	50,900	.74	2.89	46,700	.76	3.45	43,500	.78	3.88	41,000	.80	4.21	38,600	.81	4.54
4SCU18LS 160P	EC1P62D+EFV20	85/72	67,800	.62	4.18	64,600	.66	4.81	63,100	.68	5.07	59,900	.70	5.24	55,500	.71	5.48
		80/67	63,900	.64	4.01	60,900	.68	4.61	59,400	.70	4.86	56,400	.73	5.07	52,300	.73	5.25
		75/63	59,200	.71	3.86	56,400	.72	4.43	55,000	.75	4.66	52,300	.78	4.86	48,400	.78	5.04

* All ratings are with required indoor variable speed matches.
 Extended data shown is actual for models listed and typical for all AHRI matches.

Accessories

Kit Number	Description	Used with
93G35	Freezestats (3/8")	All 4SCU18LS's
50A93	Freezestats (5/8")	All 4SCU18LS's
47J27	Timed Off Control	All 4SCU18LS's
10J42	Hard Start Kit 1.5 — 3.5 ton	4SCU18LS 24-36
81J69	Hard Start Kit 4 — 5 ton	4SCU18LS 48-60
34M72	Low Ambient	All 4SCU18LS's
40K58	Blower Off Delay Kit	All 4SCU18LS's
1.851361	TXV kit A4TXV01	4SCU18LS 24-36
1.851363	TXV kit H4TXV01	4SCU18LS 24-36
1.851365	TXV kit H4TXV03	4SCU18LS 48-60
85W66	Relay Kit - Constant Torque	All Constant Torque Furnaces

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

