

4AC16LT Features and Benefits

R4AC16LT-100 (06/2012)

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

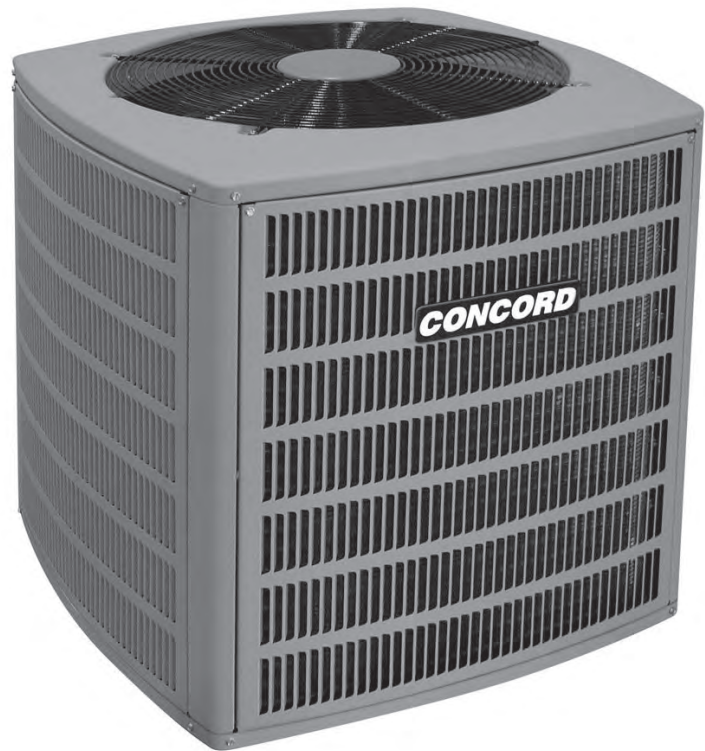
- Full metal louvered panels remove for easy coil cleaning and service
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grille
- 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
- High and low pressure switches factory installed
- Comfort Alert 2™ diagnostics is factory installed
- Trade available components
- Factory installed crank case heater
- Charged for 15 ft. of line set

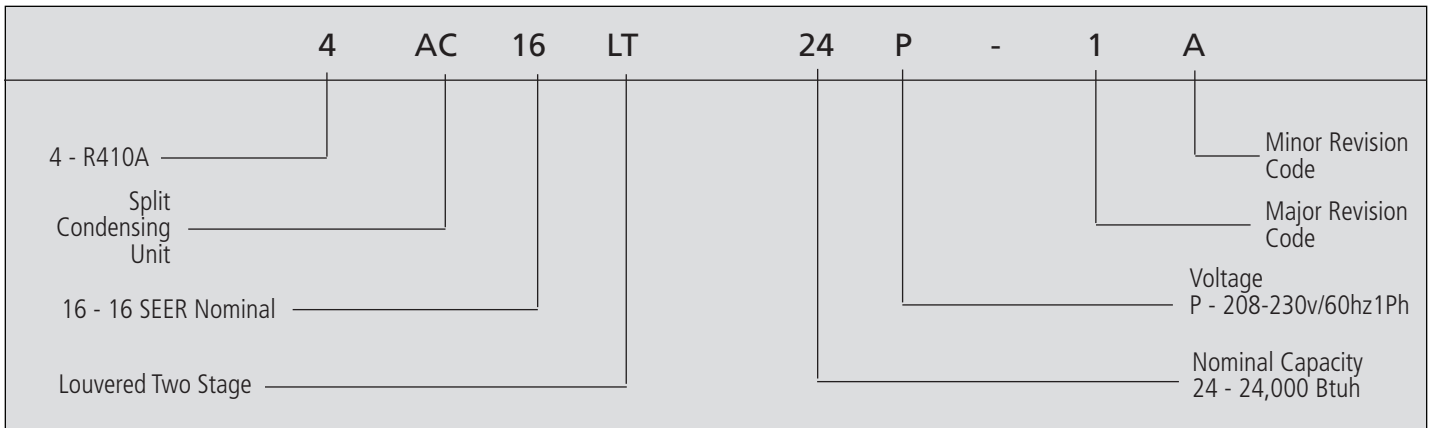
WARRANTY

- 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.

16 SEER Split System Air Conditioner

Model Number Guide



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 | | |
| 4AC16LT24P-1 | 230/60/1 | 197 - 253 | 13.9 | 20 | 11.4 | 52.0 | 1.1 | 1/5 | 1075 | 117 | 200 |
| 4AC16LT36P-1 | 230/60/1 | 197 - 253 | 21.9 | 35 | 19.0 | 82.0 | 1.1 | 1/6 | 825 | 137 | 230 |
| 4AC16LT48P-1 | 230/60/1 | 197 - 253 | 28.1 | 45 | 24.0 | 96.0 | 1.1 | 1/6 | 825 | 180 | 262 |
| 4AC16LT60P-1 | 230/60/1 | 197 - 253 | 33.8 | 55 | 26.0 | 118.0 | 1.7 | 1/4 | 825 | 214 | 310 |

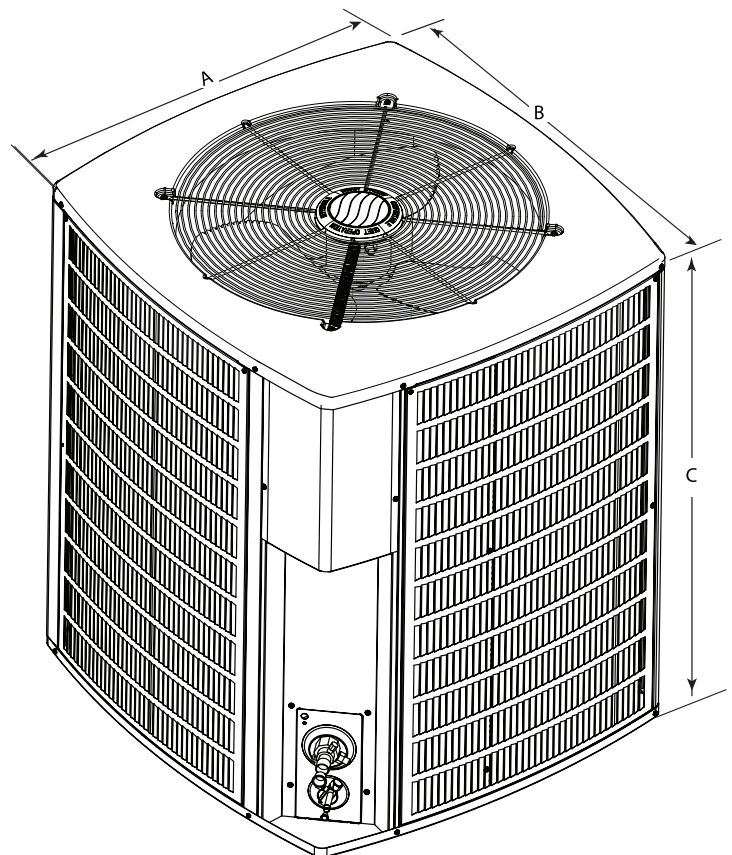
Note: For applications below 230V, use of a Hard Start Kit is recommended.

Sound Ratings

| Model No. | Sound Rating dBA |
|--------------|------------------|
| 4AC16LT24P-1 | 74 |
| 4AC16LT36P-1 | 74 |
| 4AC16LT48P-1 | 76 |
| 4AC16LT60P-1 | 76 |

Dimensions (in.)

| Model No. | A | B | C |
|---------------|--------|--------|--------|
| 4AC16LT24P-1 | 26-3/4 | 24-3/4 | 29-3/4 |
| 4AC16LT36P-1 | 31-1/4 | 29-3/8 | 29-3/4 |
| 4AC16LT48P-1 | 31-1/4 | 29-3/8 | 37-3/4 |
| 4AC16LT160P-1 | 31-1/4 | 29-3/8 | 43-3/4 |



Cooling Performance with Evaporator Coils

| 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 | | | | | | Outdoor | | Indoor | | Suction | Liquid | Piston ² | TXV |
| | | | | | | | Suction | Liquid | Suction | Liquid | | | | |
| 4AC16LT24P-1* | E(U,C,M,H)1P36A,B,C | 14.00 | 11.50 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| 4AC16LT36P-1* | E(U,C,M,H)1P36A,B,C | 14.00 | 11.00 | 34,400 | 25,800 | 1200 | 3/4 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B,C | 14.00 | 11.00 | 35,000 | 26,300 | 1200 | 3/4 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| 4AC16LT48P-1* | E(U,C)1P62C | 14.00 | 11.00 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C)1P62D | 14.00 | 11.00 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | EH1P62C,D | 14.00 | 11.00 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| 4AC16LT60P-1* | E(U,C)1P62C | 14.00 | 11.00 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 -/8 | 3/8 | NA | A4TXV02 |

* All matches must be with variable speed air systems - The furnace must be able to provide first and second stage air flows, (or only run at high speed)

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

16 SEER Split System Air Conditioner

Cooling Performance with Air Handlers and Furnaces 24

| 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 | | | | |
| 4AC16LT 24P-1 | BCS2M24V00NA1P | | 15.5 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | BCS2M36V00NA1P | | 15.5 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | EFV08BC | 15.5 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,M,H)1P29B | EFV08BC | 15.5 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29A | 80G1DF045AE12 | 15.0 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36A | 80G1DF045AE12 | 15.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 80G1DF070BE12 | 14.5 | 11.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G1DF070BE12 | 14.5 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29A | 80G1UH045AE12 | 15.5 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36A | 80G1UH045AE12 | 15.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 80G1UH070BE12 | 15.0 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G1UH070BE12 | 14.5 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29A | 80G2UH070AV12* | 16.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36A | 80G2UH070AV12* | 15.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G2UH090BV16* | 15.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,M,H)1P29B | 80G2UH090BV16* | 16.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 95G1DF045BE12 | 15.0 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G1DF045BE12 | 15.0 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 95G2DF045BV12 | 16.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G2DF045BV12 | 15.5 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 95G1UH045BE12 | 15.0 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G1UH045BE12 | 15.0 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 95G1UH070BE12 | 14.5 | 11.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G1UH070BE12 | 14.5 | 12.0 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 95G2UH045BV12 | 16.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G2UH045BV12 | 15.5 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P29B | 95G2UH070BV12 | 16.0 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G2UH070BV12 | 15.5 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | NA | A4TXV01 |
| E(U,C,M,H)1P36C | 95G2UH090CV12 | 15.5 | 12.5 | 24,000 | 18,000 | 800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 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 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 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 | Vairable Speed Furnace | | | | | | Outdoor | | Indoor | | Suction | Liquid | Piston ² | TXV |
| | | | | | | | | Suction | Liquid | Suction | Liquid | | | | |
| 4AC16LT36P-1 | BCS2M36V00NA1P | | 16.0 | 12.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | EFV12BC | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | EFV12BC | 16.0 | 11.5 | 35,000 | 26,200 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36A | 80G1DF045AE12 | 15.5 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G1DF070BE12 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 80G1DF070BE12 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G1DF090BE16 | 15.5 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 80G1DF090BE16 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36A | 80G1UH045AE12 | 16.0 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G1UH070BE12 | 15.5 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 80G1UH070BE12 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G1UH090BE16 | 15.5 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 80G1UH090BE16 | 15.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36A | 80G2UH070AV12* | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 80G2UH090BV16* | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 80G2UH090BV16* | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43C | 80G2UH110CV20* | 16.0 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G1DF070BE16 | 16.0 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 95G1DF070BE16 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36C | 95G1DF090CE16 | 15.5 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43C | 95G1DF090CE16 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G2DF045BV12 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 95G2DF045BV12 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G2DF070BV16 | 15.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 95G2DF070BV16 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36C | 95G2DF090CV20 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43C | 95G2DF090CV20 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36C | 95G2DF110CV20 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| E(U,C,M,H)1P43C | 95G2DF110CV20 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 | |

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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 required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises Furnace and AH products

16 SEER Split System Air Conditioner

Cooling Performance with Air Handlers and Furnaces 36, 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 | Vairable Speed Furnace | | | | | | Outdoor | | Indoor | | Suction | Liquid | Piston ² | TXV |
| | | | | | | | | Suction | Liquid | Suction | Liquid | | | | |
| 4AC16LT36P-1 | E(U,C,M,H)1P36B | 95G1UH070BE12 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 95G1UH070BE12 | 16.0 | 11.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36C | 95G1UH090CE16 | 15.5 | 12.0 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43C | 95G1UH090CE16 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G2UH045BV12 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 95G2UH045BV12 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36B | 95G2UH070BV12 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43B | 95G2UH070BV12 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36C | 95G2UH090CV12 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43C | 95G2UH090CV12 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P36C | 95G2UH090CV20 | 15.5 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 3/4 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| | E(U,C,M,H)1P43C | 95G2UH090CV20 | 16.0 | 11.5 | 34,400 | 25,800 | 1200 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV01 |
| 4AC16LT48P-1 | BCS2M48V00NA1P | | 15.5 | 12.0 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | EFV16CC | 15.0 | 11.0 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C)1P62D | EFV20DC | 14.5 | 11.0 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G1DF110CE20 | 15.0 | 11.5 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G1UH090CE20 | 15.0 | 11.5 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G1UH110CE20 | 15.0 | 11.5 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G2UH110CV20* | 15.0 | 11.5 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C)1P62D | 80G2UH135DV20* | 15.0 | 11.5 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2DF090CV20 | 15.0 | 11.0 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2DF110CV20 | 15.0 | 11.0 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G1UH110CE20 | 14.5 | 11.5 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2UH090CV20 | 15.0 | 11.0 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2UH110CV20 | 15.0 | 11.0 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62D | 95G2UH135DV20 | 15.0 | 11.5 | 46,500 | 34,900 | 1600 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 | NA | A4TXV02 |

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 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 | | | | |
| 4AC16LT60P-1 | BCS2M60V00NA1P | | 14.5 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C)1P60D | EFV20DC | 14.6 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C)1P62D | EFV20DC | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G1DF110CE20 | 15.0 | 11.5 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G1UH090CE20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G1UH110CE20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 80G2UH110CV20* | 14.5 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C)1P62D | 80G2UH135DV20* | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G1DF110CE20 | 14.5 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2DF090CV20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2DF110CV20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G1UH110CE20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2UH090CV20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| | E(U,C,H)1P62C | 95G2UH110CV20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 |
| E(U,C,H)1P62D | 95G2UH135DV20 | 15.0 | 11.0 | 57,000 | 42,800 | 1800 | 7/8 | 3/8 | 7/8 | 3/8 | 1 1/8 | 3/8 | NA | A4TXV02 | |

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 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 |
| 4AC16LT24P-1 | E(U,C,M,H)1P36B/EFV08B | 85/72 | 27,000 | .67 | 1.43 | 26,500 | .68 | 1.70 | 25,000 | .72 | 1.93 | 23,600 | .73 | 2.38 | 22,200 | .76 | 2.59 |
| | | 80/67 | 26,000 | .70 | 1.40 | 25,500 | .71 | 1.67 | 24,000 | .75 | 1.90 | 22,600 | .76 | 2.35 | 21,200 | .79 | 2.56 |
| | | 75/63 | 25,000 | .73 | 1.37 | 24,500 | .74 | 1.64 | 23,000 | .78 | 1.87 | 21,600 | .79 | 2.32 | 20,200 | .82 | 2.53 |
| 4AC16LT36P-1 | E(U,C,M,H)1P43B/EFV12B | 85/72 | 40,200 | .66 | 1.76 | 38,200 | .68 | 2.31 | 36,400 | .69 | 2.98 | 35,000 | .71 | 3.28 | 33,000 | .74 | 3.69 |
| | | 80/67 | 39,200 | .69 | 1.73 | 37,200 | .71 | 2.28 | 35,400 | .72 | 2.95 | 34,000 | .74 | 3.25 | 32,000 | .77 | 3.66 |
| | | 75/63 | 38,200 | .72 | 1.70 | 36,200 | .74 | 2.25 | 34,400 | .75 | 2.92 | 33,000 | .77 | 3.22 | 31,000 | .80 | 3.63 |
| 4AC16LT48P-1 | E(U,C,M,H)1P62C/EFV16C | 85/72 | 55,400 | .68 | 2.93 | 52,000 | .71 | 3.43 | 49,500 | .72 | 3.89 | 48,000 | .73 | 4.23 | 45,800 | .75 | 5.53 |
| | | 80/67 | 53,400 | .71 | 2.90 | 50,000 | .74 | 3.40 | 47,500 | .75 | 3.86 | 46,000 | .76 | 4.20 | 43,800 | .78 | 5.50 |
| | | 75/63 | 51,400 | .74 | 2.87 | 48,000 | .77 | 3.37 | 45,500 | .78 | 3.83 | 44,000 | .79 | 4.17 | 41,800 | .81 | 5.47 |
| 4AC16LT60P-1 | E(U,C,M,H)1P62D/EFV20D | 85/72 | 61,000 | .64 | 3.82 | 60,000 | .65 | 4.49 | 59,000 | .68 | 5.11 | 55,000 | .69 | 5.66 | 52,000 | .72 | 6.30 |
| | | 80/67 | 59,000 | .67 | 3.79 | 58,000 | .68 | 4.46 | 57,000 | .71 | 5.08 | 53,000 | .72 | 5.63 | 50,000 | .75 | 6.27 |
| | | 75/63 | 57,000 | .70 | 3.76 | 56,000 | .71 | 4.43 | 55,000 | .74 | 5.05 | 51,000 | .75 | 5.60 | 48,000 | .78 | 6.24 |

* All ratings are with required indoor variable speed matches.

Extended data shown is actual for models listed and typical for all AHRI matches.

16 SEER Split System Air Conditioner

Accessories

| Kit Number | Description | Used with |
|------------|--------------------------------|------------------------------|
| 45F08 | Compressor Low Ambient Cut-off | All 4AC16LT's |
| 93G35 | Freezestats (3/8") | All 4AC16LT's |
| 39H29 | Freezestats (1/2") | All 4AC16LT's |
| 50A93 | Freezestats (5/8") | All 4AC16LT's |
| 47J27 | Time Off Control | All 4AC16LT's |
| 93M06 | Crank Case Heater | All 4AC16LT's |
| 63W22 | Hard Start Kit 2 - 3 ton | 4AC16LT24 |
| 63W23 | | 4AC16LT36 |
| 10J42 | Hard Start Kit 4 - 5 ton | 4AC16LT48 |
| 63W24 | | 4AC16LT60 |
| 34M72 | Low Ambient | All 4AC16LT's |
| 85W66 | Relay Kit - Constant Torque | All Constant Torque Furnaces |

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

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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. Ask your contractor for details or visit www.energystar.gov