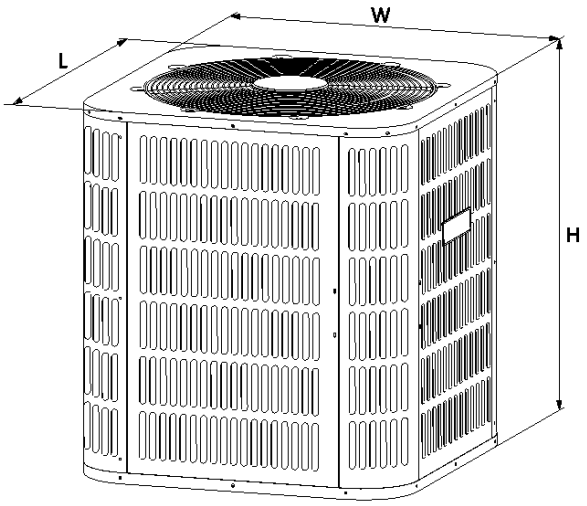
# Submittal

TAG:

Airdach
Heating &
Air Conditioning

## Airdach Condensing Unit Air Conditioning
## Up to 15.2 SEER2
## Cooling capacity: 18-60 kBTU/h




| Model Size | Unit Width "W" in. [mm] | Unit Height "H" in. [mm] | Unit Length "L" in. [mm] | Packing (W*H*D) in. [mm] | Unit Weight (lbs.[kg]) |
|---|---|---|---|---|---|
| **18** | 23-5/8 [600] | 24-15/16 [633] | 23-5/8 [600] | 24-7/10 × 26-1/4 × 24-7/10 [628 × 667 × 628] | 117 [53] |
| **24** | 28 [710] | 24-15/16 [633] | 28 [710] | 29 × 26-1/4 × 29 [738 × 667 × 738] | 132 [60] |
| **30** | 28 [710] | 33-3/16 [843] | 28 [710] | 29 × 34-1/2 × 29 [738 × 877 × 738] | 161 [73] |
| **36** | 29-1/8 [740] | 24-15/16 [633] | 29-1/8 [740] | 30-1/5 × 26-1/4 × 30-1/5 [768 × 667 × 768] | 154 [70] |
| **42** | 29-1/8 [740] | 33-3/16 [843] | 29-1/8 [740] | 30-1/5 × 34-1/2 × 30-1/5 [768 × 877 × 768] | 174 [79] |
| **48** | 28 [710] | 33-3/16 [843] | 28 [710] | 29 × 34-1/2 × 29 [738 × 877 × 738] | 187 [85] |
| **60** | 29-1/8 [740] | 33-3/16 [843] | 29-1/8 [740] | 30-1/5 × 34-1/2 × 30-1/5 [768 × 877 × 768] | 212 [96] |

# Specifications

| | A4TC18152MN1DG | A4TC24152MN1DG | A4TC30152MN1DG | A4TC36152MN1DL |
|---|---|---|---|---|
| **NOMINAL CAPACITY** | | | | |
| Cooling (BTU/h) | 17,800 | 23,800 | 28,000 | 33,600 |
| **ELECTRICAL DATA** | | | | |
| Voltage / Phase (60 Hz) | 208/230V-1Ph | 208/230V-1Ph | 208/230V-1Ph | 208/230V-1Ph |
| Min. / Max. Voltage (V) | 187/253 | 187/253 | 187/253 | 187/253 |
| Min. Circuit Amps (MCA) (A) | 11.4 | 15.3 | 16.4 | 21.9 |
| Max. Overcurrent Protection (MOP) (A) | 15 | 20 | 25 | 30 |
| **COMPRESSOR** | | | | |
| Type | Rotary | Rotary | Rotary | Scroll |
| Stage | Single | Single | Single | Single |
| Rated Load Amps (RLA) (A) | 8.4 | 11.2 | 12.1 | 16.3 |
| Locked Rotor Amps (LRA) (A) | 39 | 55 | 58 | 86 |
| Crankcase Heater | No | No | No | No |
| **CONDENSER COIL** | | | | |
| Type | Tube & Fin | Tube & Fin | Tube & Fin | Tube & Fin |
| Tube Size (O.D) (in.) | 3/16 | 3/16 | 3/16 | 3/16 |
| **FAN MOTOR** | | | | |
| Motor Type | ECM | ECM | ECM | ECM |
| Capacitor (uF) | / | / | / | / |
| Horsepower (HP) | 1/6 | 1/6 | 1/6 | 1/3 |
| Full Load Amps (FLA) (A) | 0.9 | 1.3 | 1.2 | 1.5 |
| **REFRIGERATION SYSTEM** | | | | |
| Liquid Valve Size (O.D.) (in.) | 3/8 | 3/8 | 3/8 | 3/8 |
| Suction Valve Size (O.D.) (in.) | 3/4 | 3/4 | 3/4 | 3/4 |
| Liquid Line Size (“O.D.) (in.) | 3/8 | 3/8 | 3/8 | 3/8 |
| Suction Line Size (“O.D.) (in.) | 3/4 | 3/4 | 3/4 | 3/4 |
| Refrigerant Charge (lbs. - oz.) | 4 lbs. 6 OZ. | 4 lbs. 14 OZ. | 6 lbs. 6 OZ. | 5 lbs. 1 OZ. |
| **SOUND POWER (dB(A))** | 73 | 75 | 75 | 77 |
| **OPERATION RANGE** | | | | |
| Cooling (°C) | 12.7~48.9 | 12.7~48.9 | 12.7~48.9 | 12.7~48.9 |
| Cooling (°F) | 55~120 | 55~120 | 55~120 | 55~120 |

| | A4TC42152MN1DL | A4TC48152MN1DL | A4TC60152MN1DL | |
|---|---|---|---|---|
| **NOMINAL CAPACITY** | | | | |
| Cooling (BTU/h) | 41,000 | 45,000 | 54,000 | |
| **ELECTRICAL DATA** | | | | |
| Voltage / Phase (60 Hz) | 208/230V-1Ph | 208/230V-1Ph | 208/230V-1Ph | |
| Min. / Max. Voltage (V) | 187/253 | 187/253 | 187/253 | |
| Min. Circuit Amps (MCA) (A) | 24.5 | 28.3 | 36.8 | |
| Max. Overcurrent Protection (MOP) (A) | 40 | 45 | 60 | |
| **COMPRESSOR** | | | | |
| Type | Scroll | Scroll | Scroll | |
| Stage | Single | Single | Single | |
| Rated Load Amps (RLA) (A) | 18.2 | 21.0 | 27.8 | |
| Locked Rotor Amps (LRA) (A) | 96 | 95 | 125 | |
| Crankcase Heater | No | No | No | |
| **CONDENSER COIL** | | | | |
| Type | Tube & Fin | Tube & Fin | Tube & Fin | |
| Tube Size (O.D) (in.) | 3/16 | 3/16 | 3/16 | |
| **FAN MOTOR** | | | | |
| Motor Type | ECM | ECM | ECM | |
| Capacitor (uF) | / | / | / | |
| Horsepower (HP) | 1/3 | 1/3 | 1/3 | |
| Full Load Amps (FLA) (A) | 1.7 | 2.0 | 2.0 | |
| **REFRIGERATION SYSTEM** | | | | |
| Liquid Valve Size (O.D.) (in.) | 3/8 | 3/8 | 3/8 | |
| Suction Valve Size (O.D.) (in.) | 7/8 | 7/8 | 7/8 | |
| Liquid Line Size (“O.D.) (in.) | 3/8 | 3/8 | 3/8 | |
| Suction Line Size (“O.D.) (in.) | 7/8 | 7/8 | 1-1/8 | |
| Refrigerant Charge (lbs. - oz.) | 5 lbs. 12 OZ. | 6 lbs. 4 OZ. | 6 lbs. 0 OZ. | |
| **SOUND POWER (dB(A))** | 78 | 78 | 80 | |
| **OPERATION RANGE** | | | | |
| Cooling (°C) | 12.7~48.9 | 12.7~48.9 | 12.7~48.9 | |
| Cooling (°F) | 55~120 | 55~120 | 55~120 | |

| Standard Features: | Cabinet Features: |
| --- | --- |
| • Eco-friendly R454B refrigerant with low GWP value.<br>• Energy-efficient compressor.<br>• Equipped with thermal overload protection.<br>• High quality condenser with inner-groove copper tube and aluminum fin.<br>• Service valves with sweat connections and easy-access gauge ports.<br>• Factory-installed high-pressure switch.<br>• AHRI certified and ETL listed.<br>• Filter drier included as accessory. | • Compact design allows for ease of installation, clearance, durability, and maneuverability.<br>• Powder-painted galvanized steel cabinet chassis.<br>• Protective steel louvered coil guard.<br>• Steel wire axial fan guard<br>• ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation. |