

T-SERIES LARGE CAPACITY OUTDOOR

T62

 20000 BTU/Hr.
5860 Watts

T70-36

 36000 BTU/Hr.
10548 Watts

T70-60

 59000 BTU/Hr.
17287 Watts

INDUSTRY STANDARDS

UL/cUL Listed; Type 12, 3R, 4; 4X optional; File No. SA6453

 CE
EAC
Telcordia GR-487 capable

APPLICATION

- Industrial automation
- Telecommunications equipment
- Package handling equipment
- Security and defense systems
- And more

FEATURES

- Stock models equipped with head pressure control for low-ambient operation, compressor heater, coated condenser coil, malfunction switch, thermostat and heater package
- R-407C earth-friendly refrigerant
- Models for 230 and 460 VAC power input
- UL Listed to save customers time and money with agency approvals (some models UL recognized)
- Outdoor model operating temperature range from -40 F/-40 C to 131 F/55 C
- Exterior and fully recessed mounting options on many models
- Compact footprint to minimize real estate and maximize capacity
- Reliable mechanical thermostat on enclosure side of the unit
- Dual condenser-side air movers for performance redundancy
- Painted galvanized sheet-metal cover for rugged factory and outdoor environments
- Easy-mount flanges for simple installation

- Cleanable, reusable aluminum mesh filter protects coils for maximum cooling performance
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- Standard Outdoor Air Conditioner models also include:
 - Telcordia GR-487 capable
 - Thermostat
 - Corrosion-resistant components
 - Malfunction switch
 - Compressor heater
 - Head pressure control
 - Enclosure heater

FINISH

- RAL 7035 light-gray, semi-textured powder-coat paint
- Other colors and textures available

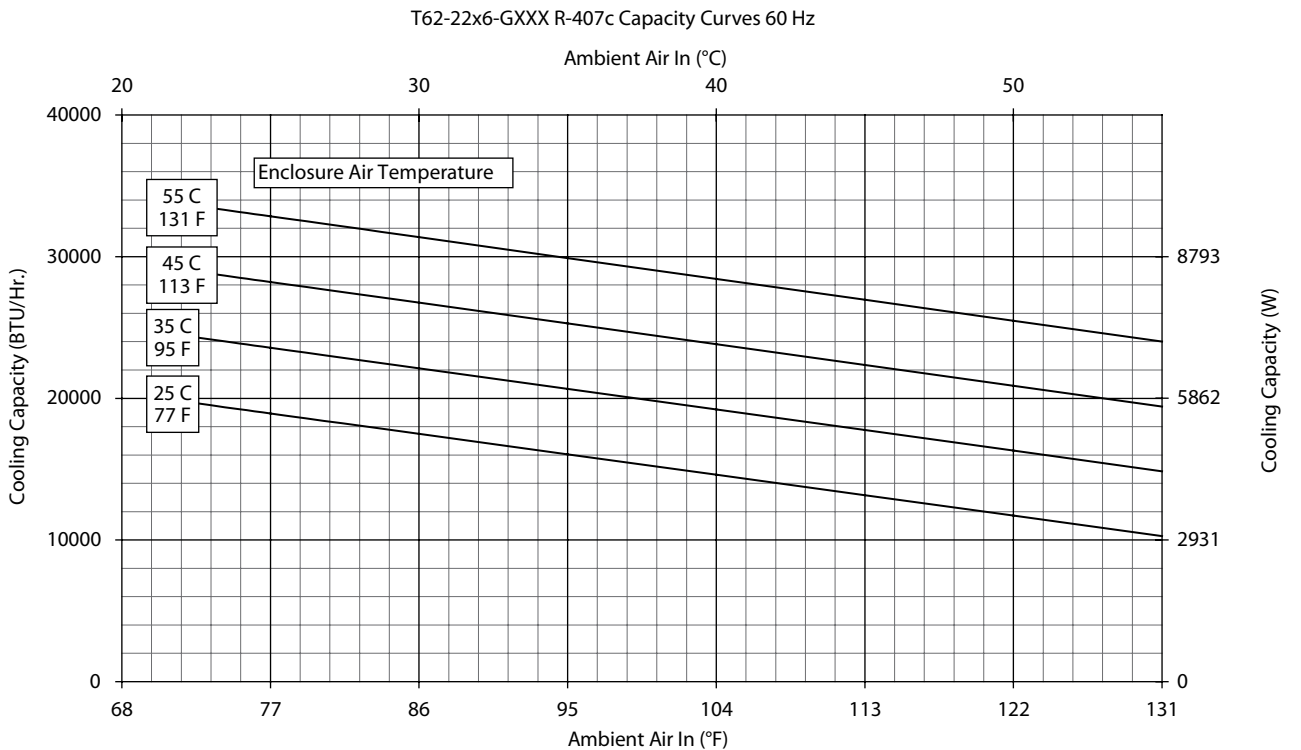
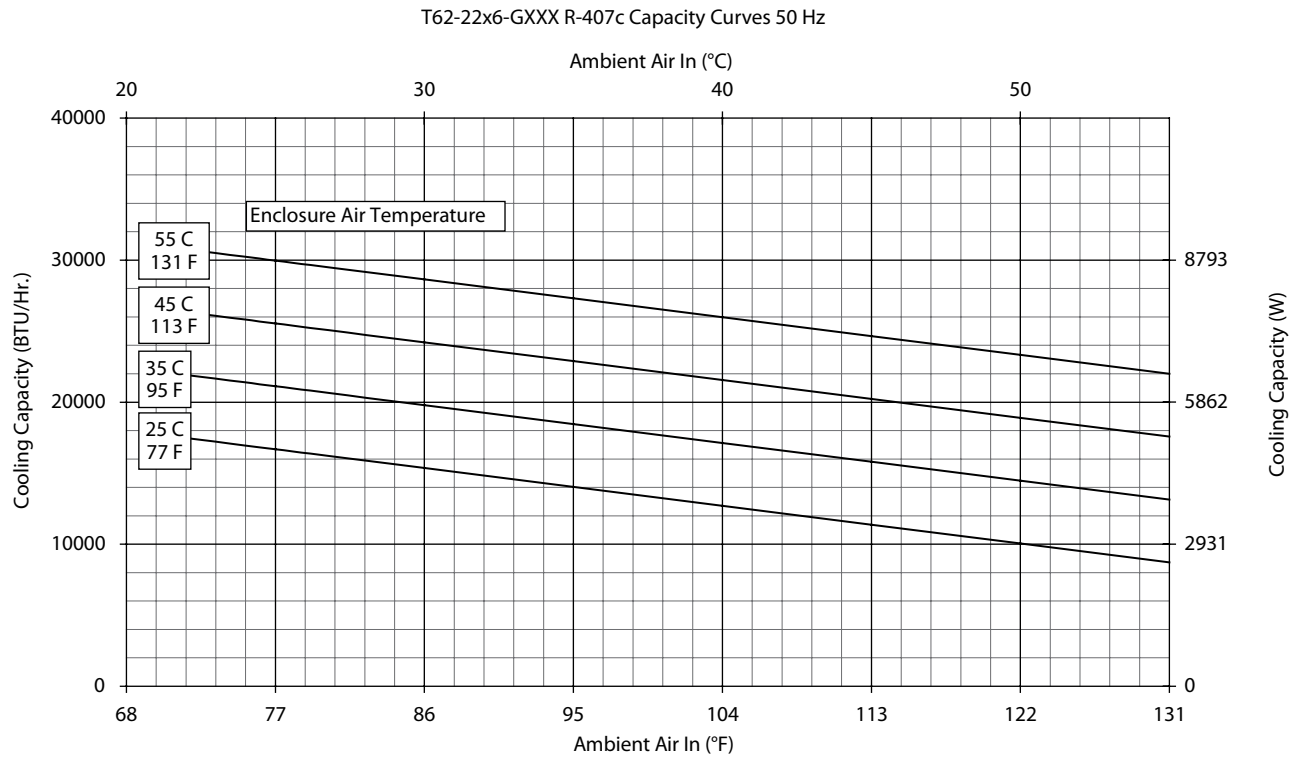
OPTIONS

- Thermostat Malfunction Package
- Special Voltage Package
- Outdoor Package
- Harsh Environment Package*
- Stainless Steel Package*
- Heater Package
 - * PROAIR A/C may be more appropriate. Refer to PROAIR A/C Chapter. Consult the Factory for availability and catalog number.

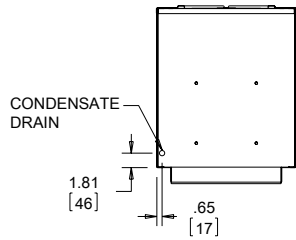
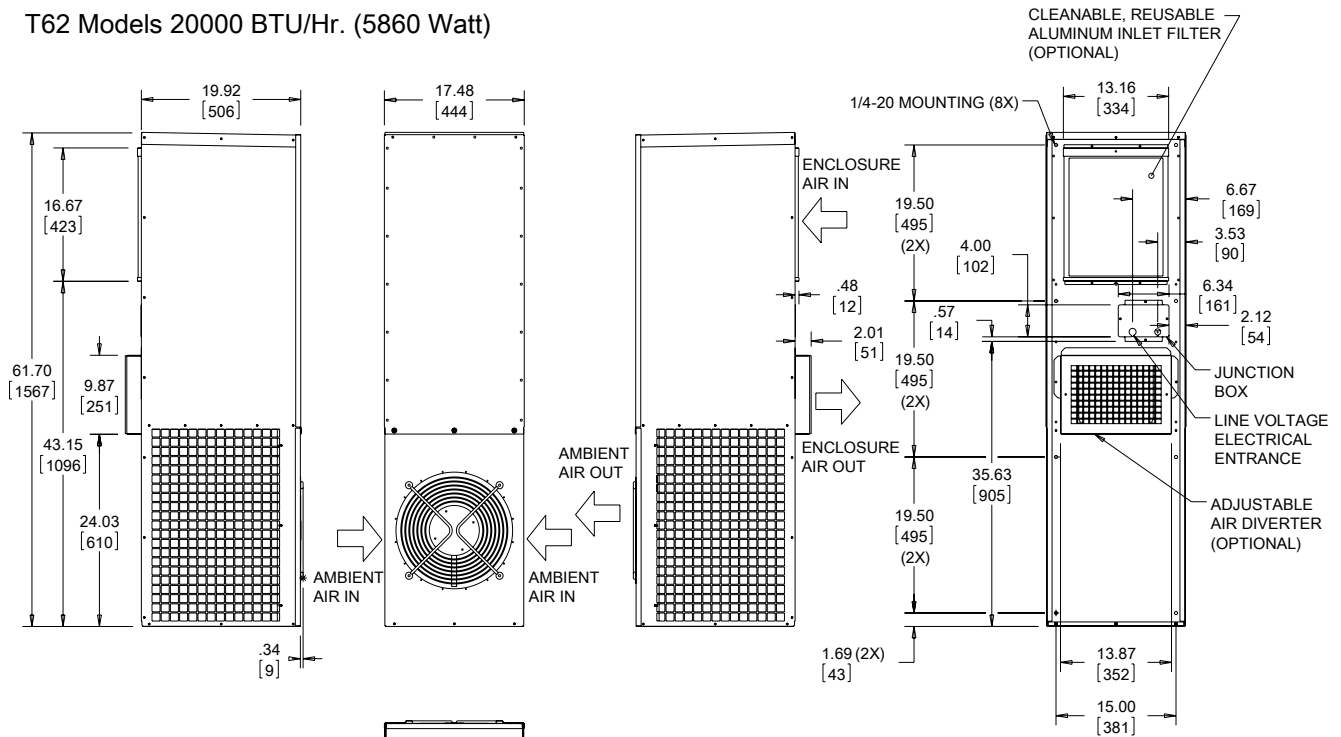
Performance Data **T62 20000 BTU/Hr. (5860 Watt) Models**

| CATALOG NUMBER | | |
|---|---|----------------------------|
| Outdoor Model with Heat Pkg. | T622226G150 | T622246G400 |
| Outdoor Model/SST/Corrosion/4X | T622226G102 | — |
| COOLING PERFORMANCE | | |
| Nominal: | | |
| BTU/Hr. | 20500/23500 | 20500/23500 |
| Watts | 6007/6886 | 6007/6886 |
| At 131 F/131 F (55 C/55 C): | | |
| BTU/Hr. (50/60 Hz) | 20860/23927 | 20860/23927 |
| W (50/60 Hz) | 6113/7012 | 6113/7012 |
| At 95 F/95 F (35 C/35 C): | | |
| BTU/Hr. (50 /60 Hz) | 18258/20256 | 18258/20256 |
| W (50/60 Hz) | 5351/5936 | 5351/5936 |
| Refrigerant | | R-407C |
| Refrigerant Charge (ounces/grams) | 42/1300 | 42/1300 |
| Operating Temperature Range: | | |
| Maximum (°F/°C) | 131/55 | 131/55 |
| Minimum (°F/°C) | -40/-40 | -40/-40 |
| Airflow at 0 Static Pressure: | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 570/968 | 570/968 |
| External loop 50 Hz (CFM / m ³ /hr.) | 1443/2452 | 1443/2452 |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 673/1143 | 673/1143 |
| External loop 60 Hz (CFM / m ³ /hr.) | 1797/3053 | 1797/3053 |
| Max. Heater W (Outdoor Models) | 2000 | Up to 3000 (Optional) |
| ELECTRICAL DATA | | |
| Rated Voltage | 230 | 460V 1PH |
| Frequency (Hz) | 50/60 | 50/60 |
| Operating Range | +/- 10% | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 4370/5060 | 7000/9200 |
| Max. Nominal Current (A at 50/60 Hz) | 19/22 | 10.5/12 |
| Min. Circuit Ampacity (A) | 25.2 | 12.6 |
| Max. Overcurrent Protection (A) | 35 | 20 |
| Starting Current (A) | 60 | 30 |
| Agency Approvals | UL/cUL Listed CE EAC | UL/cUL Listed CE EAC |
| Power Input Description | Terminal block | Terminal block |
| ENCLOSURE PROTECTION | | |
| UL Type | Type 12, 3R, 4 standard Type 4X Stainless steel optional | |
| CONTROLLER | | |
| Description | Basic mechanical thermostat | |
| Thermostat Location | Enclosure side on all base models | |
| Factory Thermostat Setting (°F/°C) | 80/27 | |
| SOUND LEVEL | | |
| At 1.5 Meters | 71 dB(A) | |
| UNIT CONSTRUCTION | | |
| Material | Galvanized sheet metal standard Stainless steel optional | |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard | |
| UNIT DIMENSIONS | | |
| Height (in./mm) | 61.77/1568.96 | 61.77/1568.96 |
| Width (in./mm) | 19.91/505.71 | 19.91/505.71 |
| Depth (in./mm) | 17.36/440.94 | 17.36/440.94 |
| Weight (lb./kg) | 218/99.1 | 258/117 |

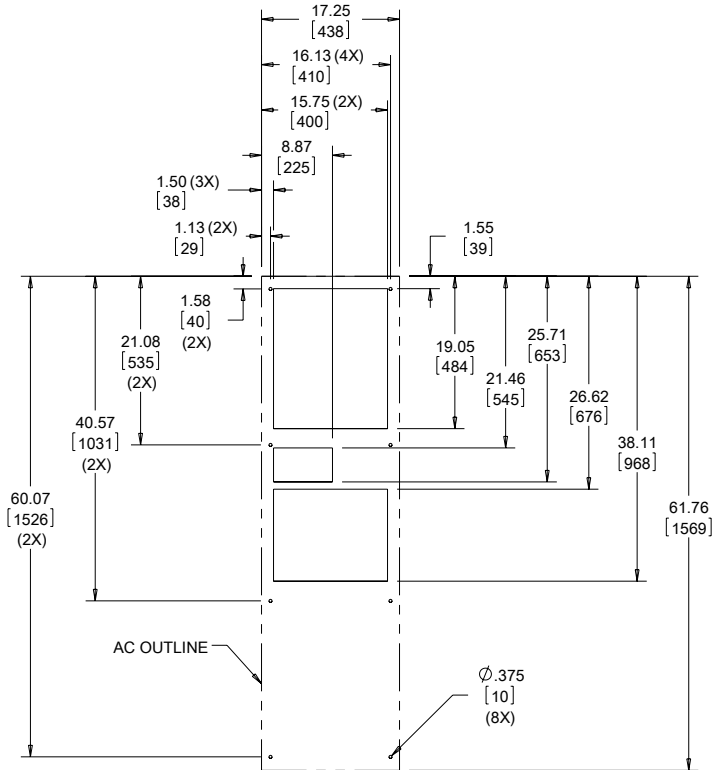
Performance Curves for T62 Models 20000 BTU/Hr. (5860 Watt)



T62 Models 20000 BTU/Hr. (5860 Watt)



NOTE:
 1. MOUNTING GASKET SUPPLIED (NOT SHOWN).
 2. UNITS: in. [mm]



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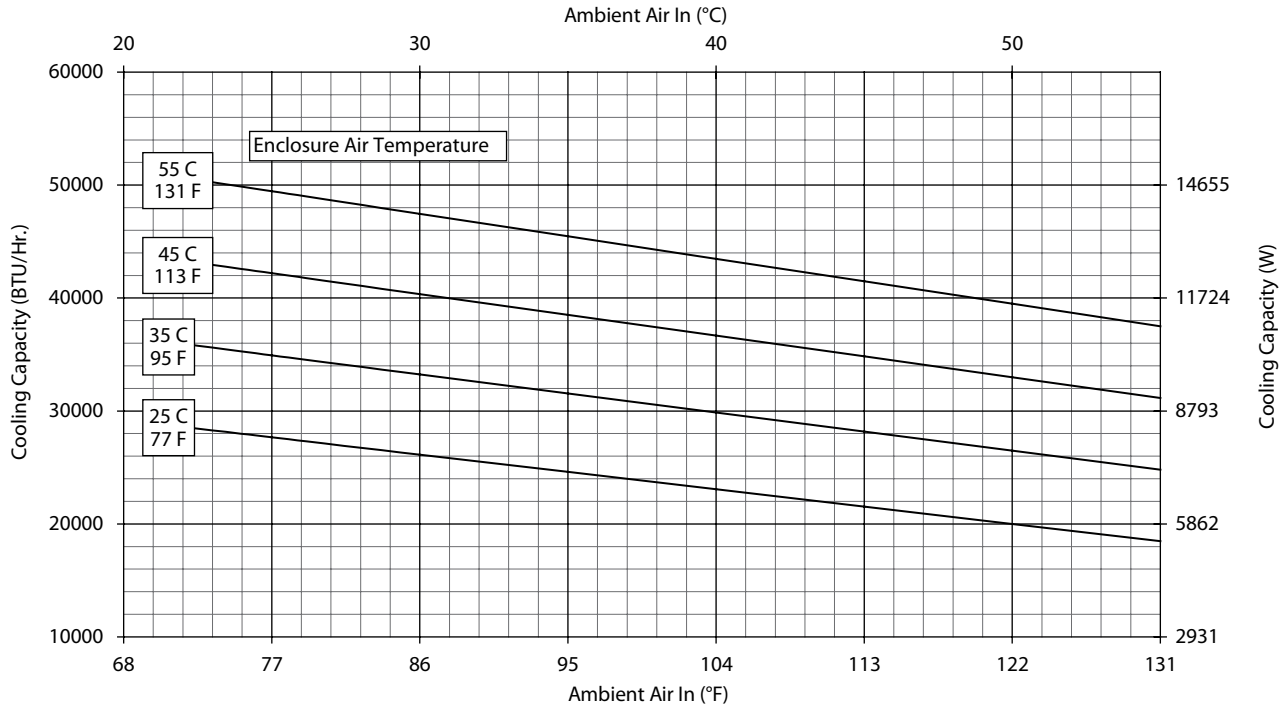
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Performance Data T70-36 36000 BTU/Hr. (10548 Watt) Models

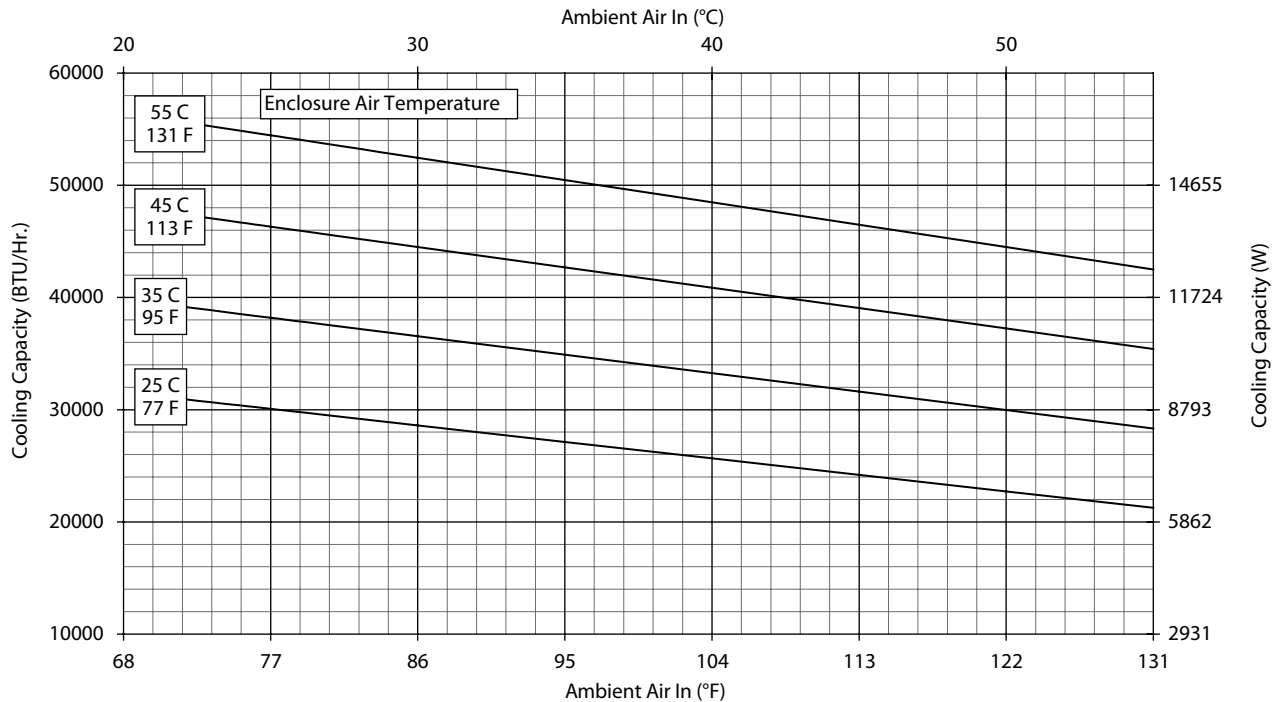
| CATALOG NUMBER | T703626G150 | T703646G400 |
|---|--|-------------|
| COOLING PERFORMANCE | | |
| Nominal: | | |
| BTU/Hr. | 39000/43000 | |
| Watts | 11430/12602 | |
| At 131 F/131 F (55 C/55 C): | | |
| BTU/Hr. (50/60 Hz) | 38613/42930 | |
| W (50/60 Hz) | 11316/12570 | |
| At 95 F/95 F (35 C/35 C): | | |
| BTU/Hr. (50 /60 Hz) | 31364/36130 | |
| W (50/60 Hz) | 9192/10579 | |
| Refrigerant | R-407C | |
| Refrigerant Charge (ounces/grams) | 110/3118 | |
| Operating Temperature Range: | | |
| Maximum (°F/°C) | 131/55 | |
| Minimum (°F/°C)Minimum (°F/°C) | -40/-40 | |
| Airflow at 0 Static Pressure: | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 1085/1843 | |
| External loop 50 Hz (CFM / m ³ /hr.) | 2176/3697 | |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 1171/1989 | |
| External loop 60 Hz (CFM / m ³ /hr.) | 2347/3987 | |
| Max. Heater W (Outdoor Models) | 2000 Standard (5000 Optional) | |
| ELECTRICAL DATA | | |
| Rated Voltage | 230 | 460 |
| Frequency (Hz) | 50/60 | 60 |
| Operating Range | +/- 10% | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 8280 | 8280 |
| Max. Nominal Current (A at 50/60 Hz) | 36 | 18 |
| Min. Circuit Ampacity (A) | 40 | 20 |
| Max. Overcurrent Protection (A) | 50 | 25 |
| Starting Current (A) | 104 | 52 |
| Agency Approvals | UL/cUL Listed CE EAC Others available upon request | |
| Power Input Description | Terminal block | |
| ENCLOSURE PROTECTION | | |
| UL Type | Type 12, 3R, 4 standard Type 4X Stainless steel optional UL/cUL Listed | |
| International Rating | UL/cUL Listed | |
| CONTROLLER | | |
| Description | Basic mechanical thermostat | |
| Thermostat Location | Enclosure side on all base models | |
| Factory Thermostat Setting (°F/°C) | 80/27 | |
| SOUND LEVEL | | |
| At 1.5 Meters | 66 dB(A) | |
| UNIT CONSTRUCTION | | |
| Material | Galvanized sheet metal standard Stainless steel optional | |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard | |
| UNIT DIMENSIONS | | |
| Height (in./mm) | 69.8/1772 | |
| Width (in./mm) | 22.8/578 | |
| Depth (in./mm) | 20.94/532 | |
| Weight (lb./kg) | 260/118 | |

Performance Curves for T70 Models 36000 BTU/Hr. (10548 Watt)

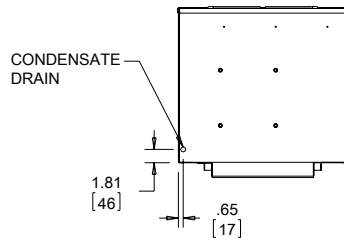
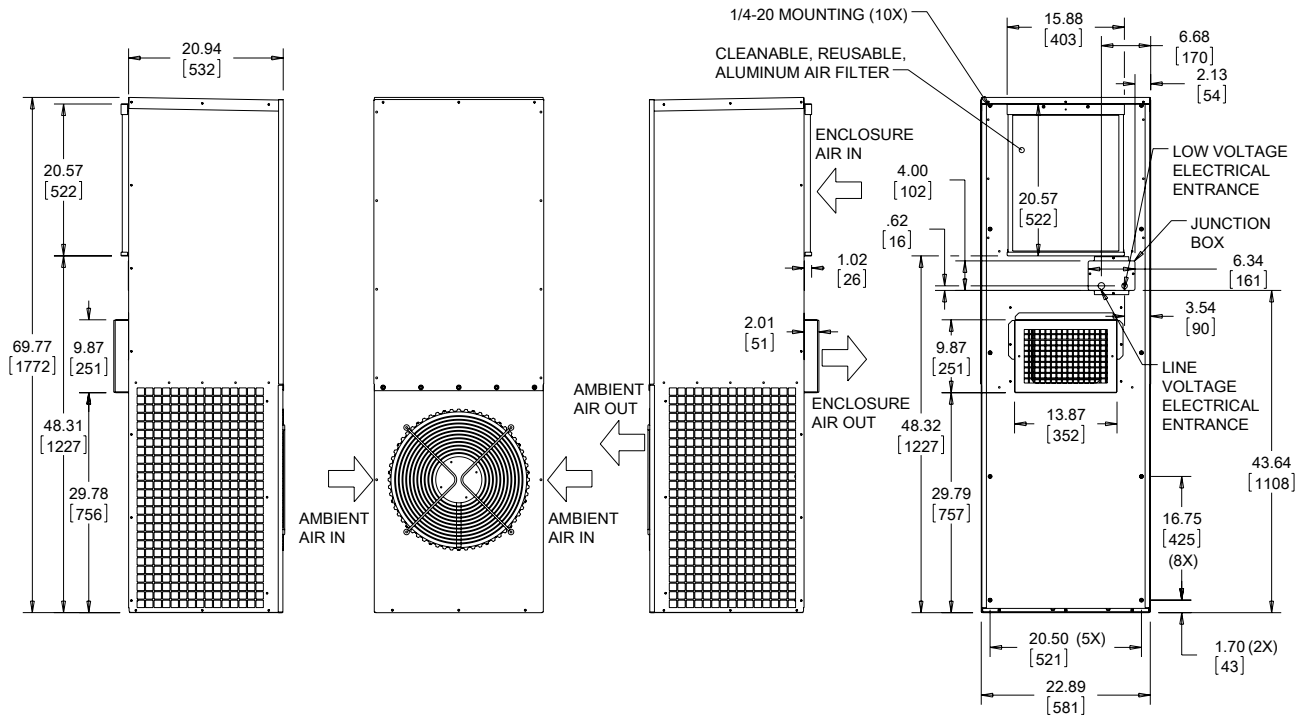
T70-36X6-GXXX R-407c Capacity Curves 50 Hz



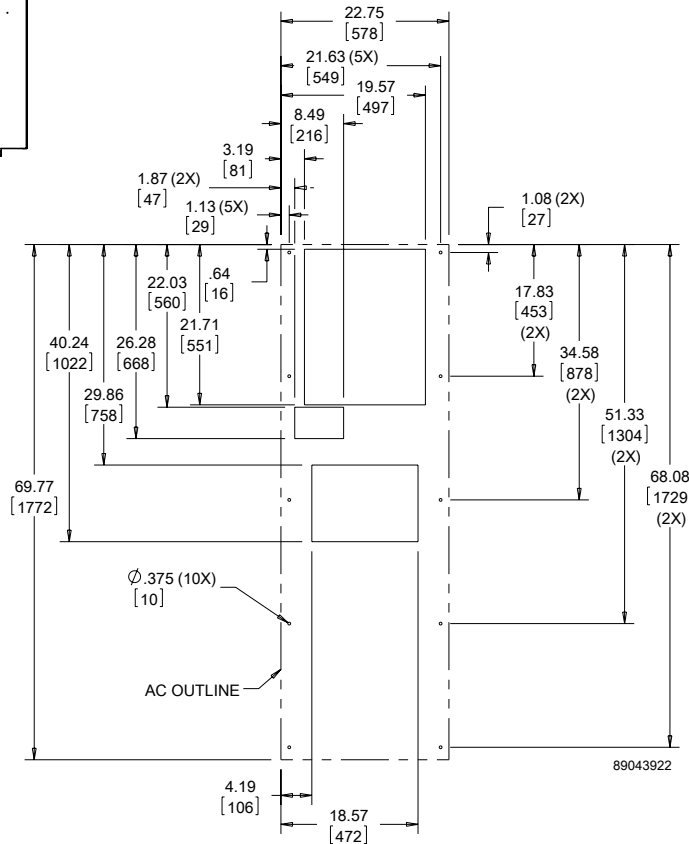
T70-36X6-GXXX R-407c Capacity Curves 60 Hz



T70 Models 36000 BTU/Hr. (10548 Watt)



NOTE:
 1. MOUNTING GASKET SUPPLIED (NOT SHOWN).
 2. UNITS: in. [mm]



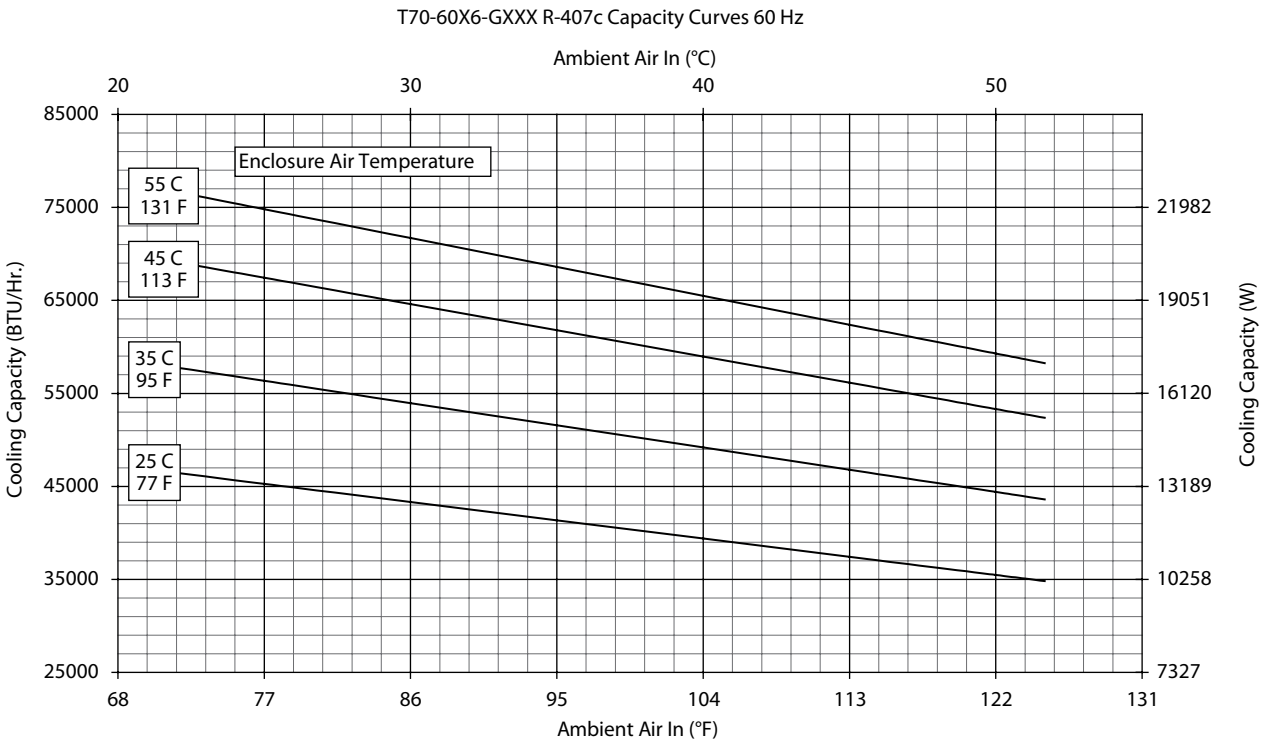
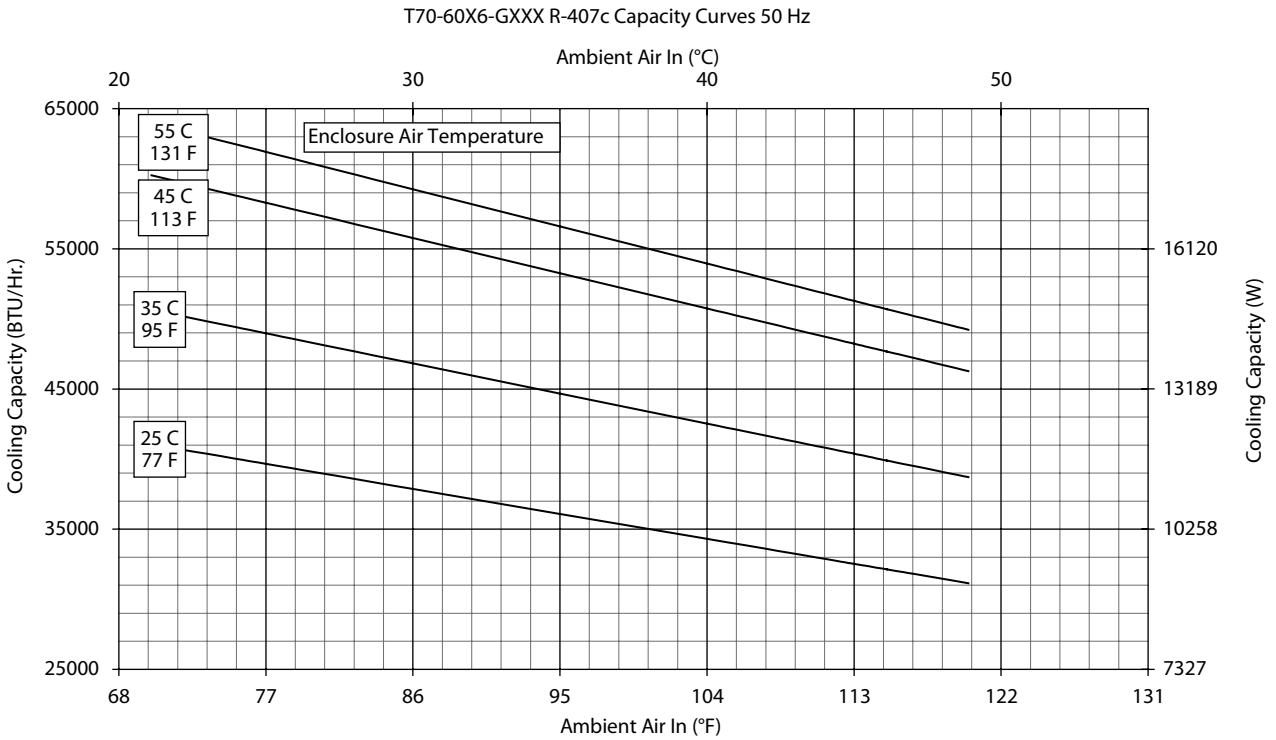
Cutout Dimensions

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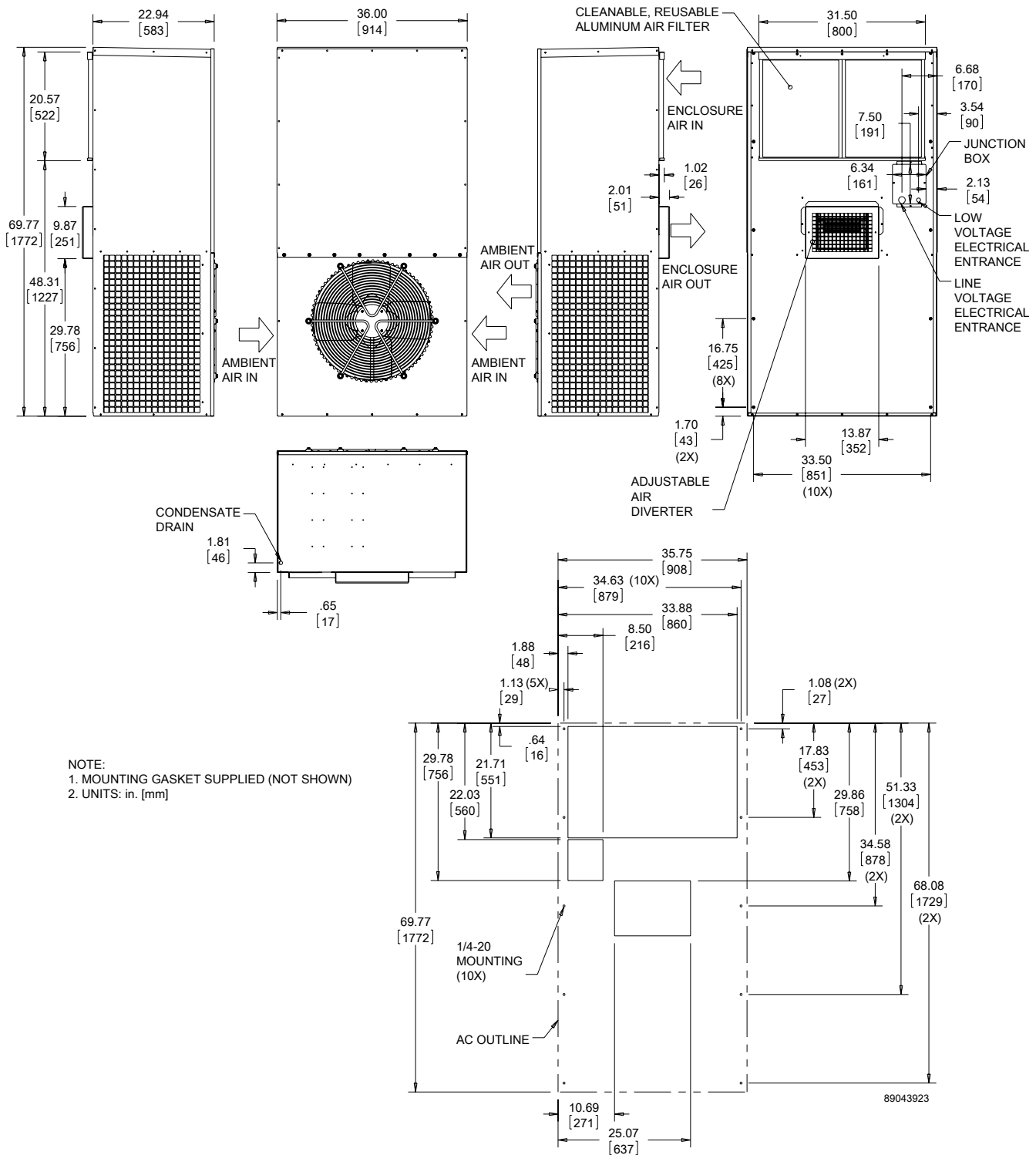
Performance Data T70-60 59000 BTU/Hr. (17287 Watt) Models

| CATALOG NUMBER | T706026G150 | T706046G400 |
|---|---|-------------|
| COOLING PERFORMANCE | | |
| Nominal: | | |
| BTU/Hr. | 51900/60000 | |
| Watts | 15210/17584 | |
| At 122 F/122 F (50 C/50 C): | | |
| BTU/Hr. (50/60 Hz) | 51900/60000 | |
| W (50/60 Hz) | 15210/17584 | |
| At 95 F/95 F (35 C/35 C): | | |
| BTU/Hr. (50 /60 Hz) | 47122/54500 | |
| W (50/60 Hz) | 13810/15972 | |
| Refrigerant | R-407C | |
| Refrigerant Charge (ounces/grams) | 150/4252 | |
| Operating Temperature Range: | | |
| Maximum (°F/°C) | 122/50 | |
| Minimum (°F/°C) | -40/-40 | |
| Airflow at 0 Static Pressure: | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 1510/2565 | |
| External loop 50 Hz (CFM / m ³ /hr.) | 2716/4614 | |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 1629/2767 | |
| External loop 60 Hz (CFM / m ³ /hr.) | 2931/4979 | |
| Max. Heater W (Outdoor Models) | | |
| ELECTRICAL DATA | | |
| Rated Voltage | 200/230 | 420/460 |
| Frequency (Hz) | 50/60 | 50/60 |
| Operating Range | +/- 10% | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 7000/9200 | 6426/7038 |
| Max. Nominal Current (A at 50/60 Hz) | 35/40 | 15.3 |
| Min. Circuit Ampacity (A) | 58 | 29 |
| Max. Overcurrent Protection (A) | 60 | 30 |
| Starting Current (A) | 144 | 144 |
| Agency Approvals | UL/cUL Listed CE EAC Others available upon request | |
| Power Input Description | Terminal block | |
| ENCLOSURE PROTECTION | | |
| UL Type | Type 12, 3R, 4 standard Type 4X Stainless steel optional | |
| International Rating | IP56 on the internal loop; IP34 on the external loop | |
| Description | Basic mechanical thermostat | |
| CONTROLLER | | |
| Thermostat Location | Enclosure side on all base models | |
| Factory Thermostat Setting (°F/°C) | 80/27 | |
| SOUND LEVEL | | |
| At 1.5 Meters | 66 dB(A) | |
| UNIT CONSTRUCTION | | |
| Material | Galvanized sheet metal standard Stainless steel optional | |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard | |
| UNIT DIMENSIONS | | |
| Height (in./mm) | 69.77/1772 | |
| Width (in./mm) | 35.86/911 | |
| Depth (in./mm) | 22.94/583 | |
| Weight (lb./kg) | 419/190.5 | |

Performance Curves for T70 Models 59000 BTU/Hr. (17287 Watt)



T70 Models 59000 BTU/Hr. (17287 Watt)



Cutout Dimensions

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