



# T-Series Large Capacity Outdoor



**T-SERIES LARGE CAPACITY OUTDOOR**



<b>T62</b> 20000 BTU/Hr. 5860 Watts	<b>T70-36</b> 36000 BTU/Hr. 10548 Watts	<b>T70-60</b> 59000 BTU/Hr. 17287 Watts
---	---	---

**INDUSTRY STANDARDS**

UL/cUL Listed; type 12, 3R, 4; 4X optional; File no. SA6453  
UR/cUR Recognized

UR/cUR Recognized on select models, reference performance data tables.

ce  
eAc  
t elcordia 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 angles 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:
  - t elcordia GR-487 capable
  - t hermostat
  - c orrosion-resistant components
  - malfunction switch
  - c ompressor heater
  - Head pressure control
  - enclosure heater

**FINISH**

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

**OPTIONS**

- t hermostat 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.

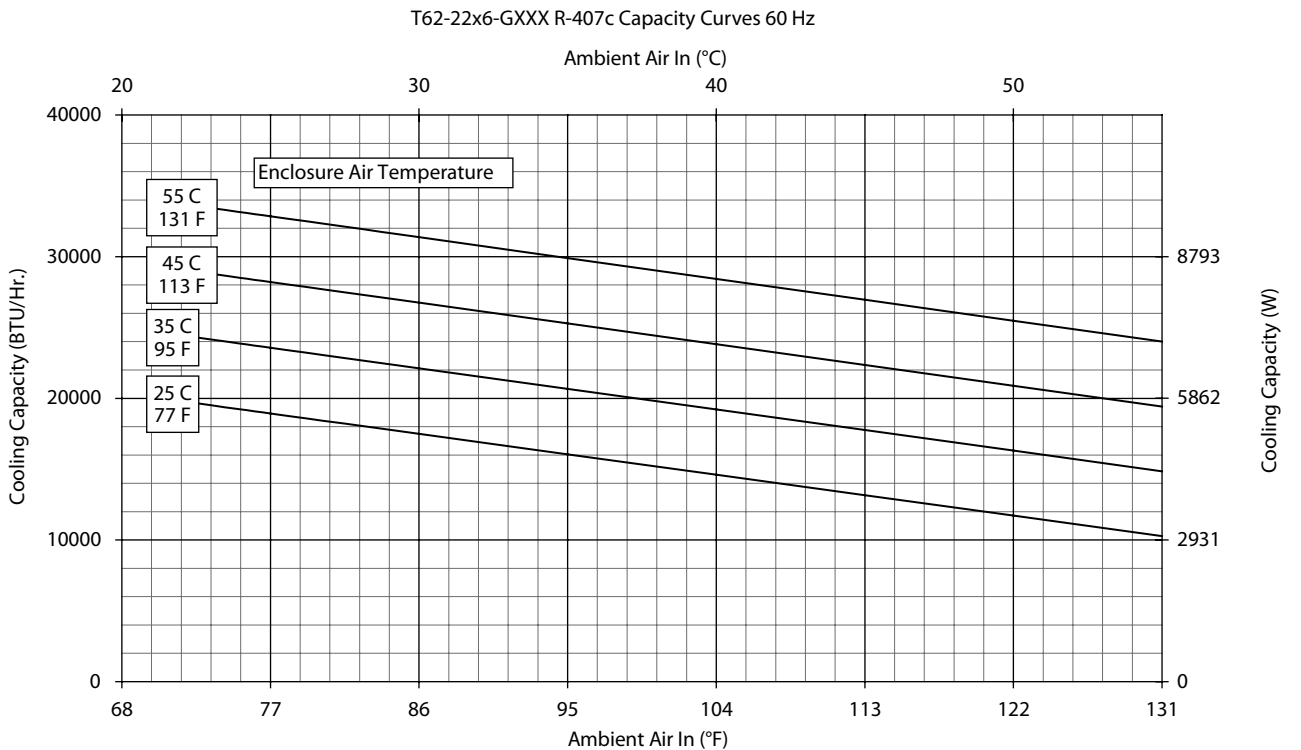
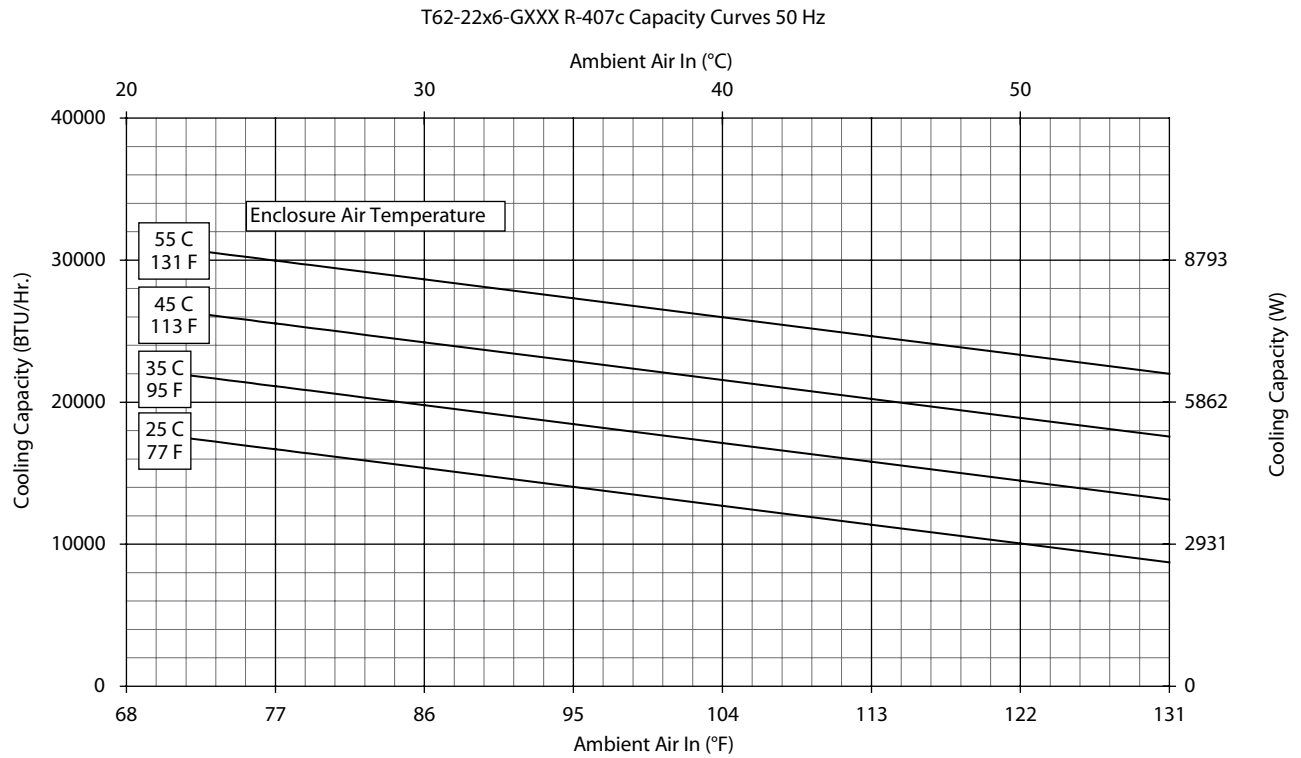
**NOTES**

Visit [www.PentairProtect.com](http://www.PentairProtect.com) to download 2D and 3D cad drawings into the overall design of your electrical system.

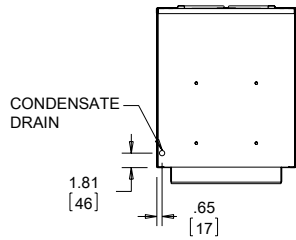
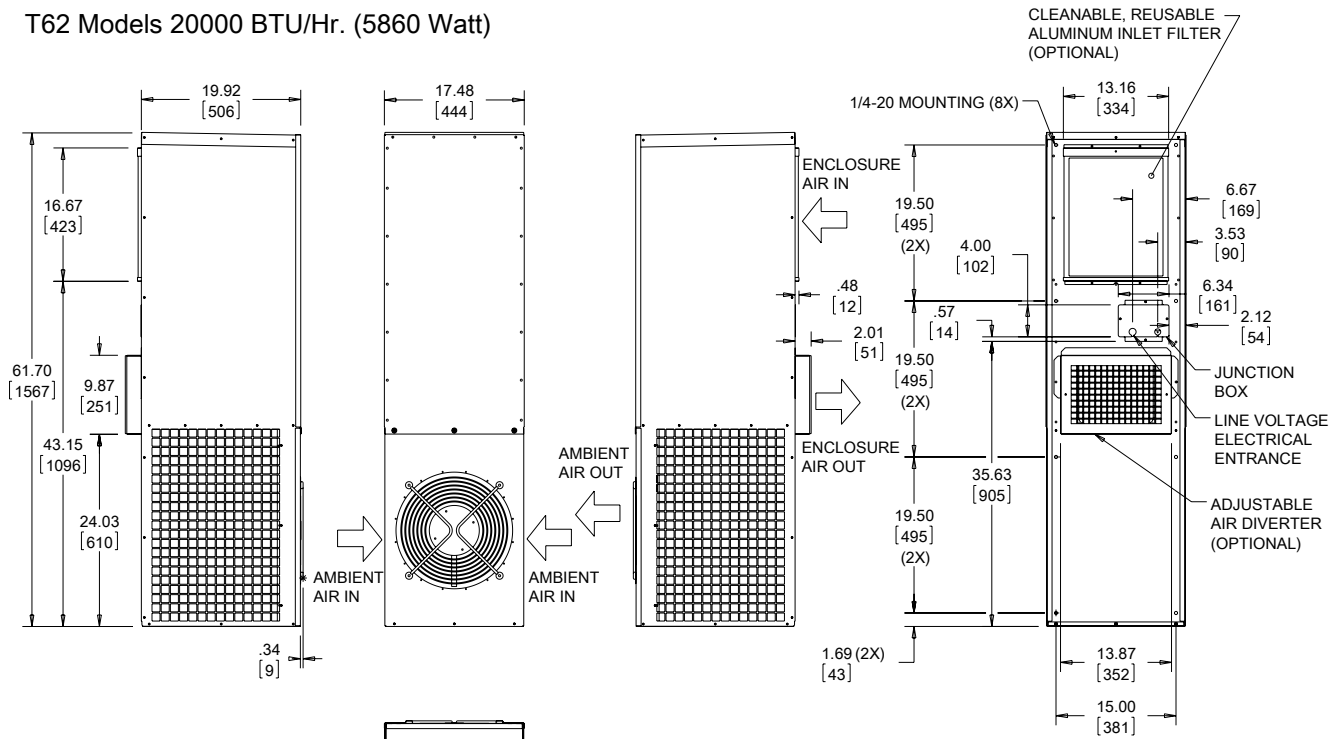
Performance Data T62 20000 BTU/Hr. (5860 Watt) Models

CATALOG NUMBER		
Outdoor Model with Heat Pkg.	T622226G150	T622246G400
Outdoor Model/SST/Corrosion/4X	T622226G102	—
Outdoor Model/SST/Corrosion/4X/Heater	T622226G151	—
COOLING PERFORMANCE		
<b>Nominal:</b>		
<b>BTU/Hr.</b>	<b>20500/23500</b>	<b>20500/23500</b>
<b>Watts</b>	<b>6007/6886</b>	<b>6007/6886</b>
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 <sup>3</sup> /hr.)	570/968	570/968
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	1443/2452	1443/2452
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	673/1143	673/1143
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	1797/3053	1797/3053
Max. Heater W (Outdoor Models)	2000	Up to 3000 (Optional)
ELECTRICAL DATA		
<b>Rated Voltage</b>	<b>230</b>	<b>460V 1PH</b>
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
Starting Current (A)	60	30
Agency Approvals	UL/cUL Listed CE EAC	cUR Recognized 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

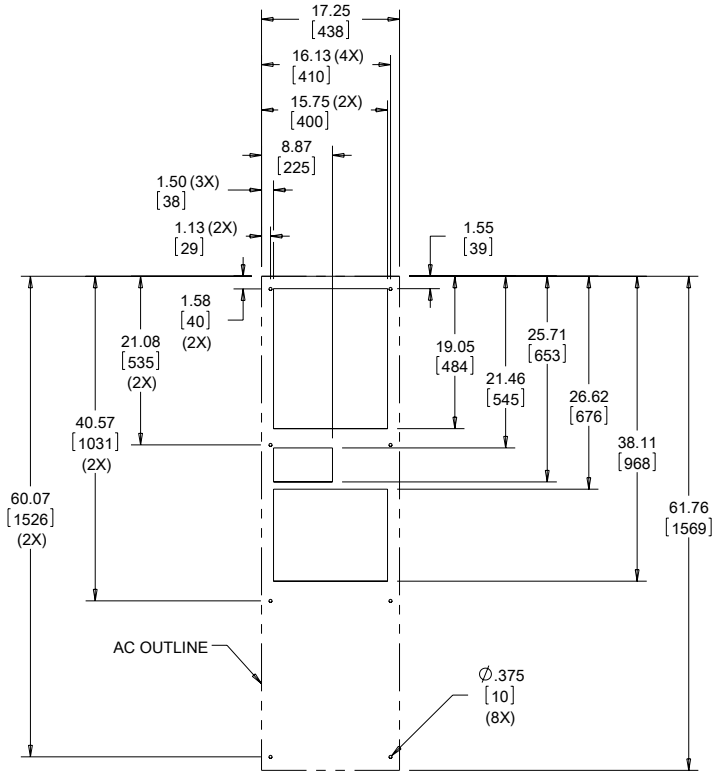
Performance Curves for T62 Models 20000 BTU/Hr. (5860 Watt)



T62 Models 20000 BTU/Hr. (5860 Watt)



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



Cutout Dimensions

89043921

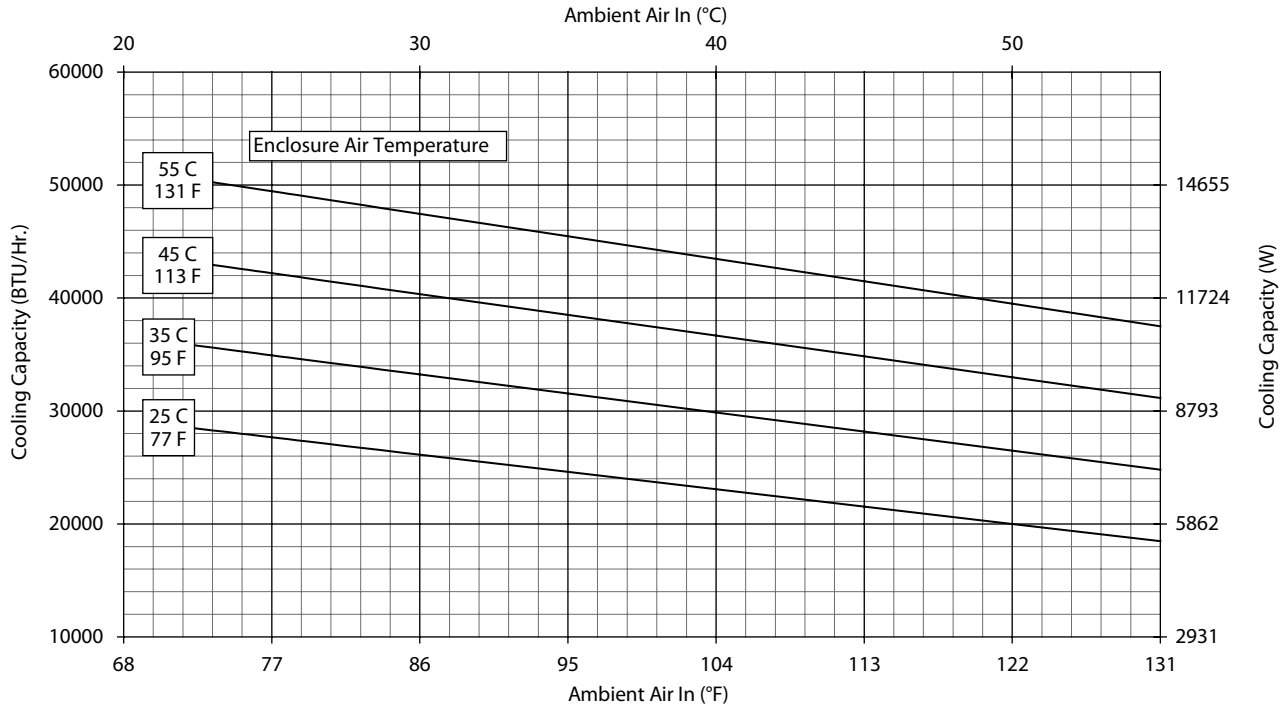
Visit [nVent.com/HOFFMAN](http://nVent.com/HOFFMAN) to download 2D and 3D CAD drawings into the overall design of your electrical system.

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

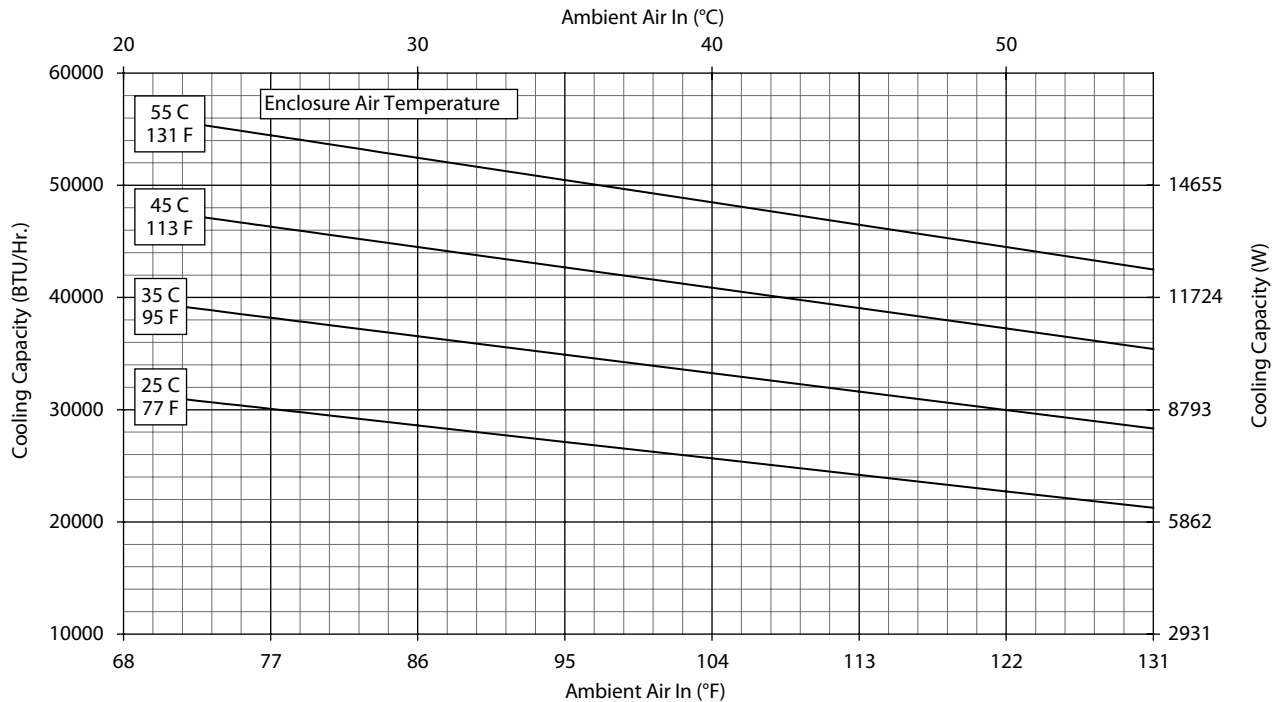
<b>CATALOG NUMBER</b>	T703626G150	T703646G400
<b>COOLING PERFORMANCE</b>		
<b>Nominal:</b>		
<b>BTU/Hr.</b>	<b>39000/43000</b>	
<b>Watts</b>	<b>11430/12602</b>	
At 131 F/131 F (55 C/55 C):		
BTU/Hr. (50/60 Hz)	38613/42930	
W (50/60 Hz)	11316/12570	
At 95 F/95 F (35 C/35 C):		
BTU/Hr. (50 /60 Hz)	31364/36130	
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 <sup>3</sup> /hr.)	1085/1843	
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	2176/3697	
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	1171/1989	
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	2347/3987	
Max. Heater W (Outdoor Models)	2000 Standard (5000 Optional)	
<b>ELECTRICAL DATA</b>		
<b>Rated Voltage</b>	<b>230</b>	<b>460</b>
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
Starting Current (A)	104	52
Agency Approvals	UL/cUL Listed CE EAC Others available upon request	
Power Input Description	Terminal block	
<b>ENCLOSURE PROTECTION</b>		
UL Type	Type 12, 3R, 4 standard Type 4X Stainless steel optional	
International Rating	UL/cUL Listed	
<b>CONTROLLER</b>		
Description	Basic mechanical thermostat	
Thermostat Location	Enclosure side on all base models	
Factory Thermostat Setting (°F/°C)	80/27	
<b>SOUND LEVEL</b>		
At 1.5 Meters	66 dB(A)	
<b>UNIT CONSTRUCTION</b>		
Material	Galvanized sheet metal standard Stainless steel optional	
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard	
<b>UNIT DIMENSIONS</b>		
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)

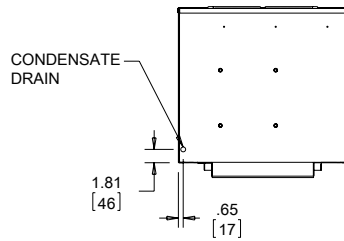
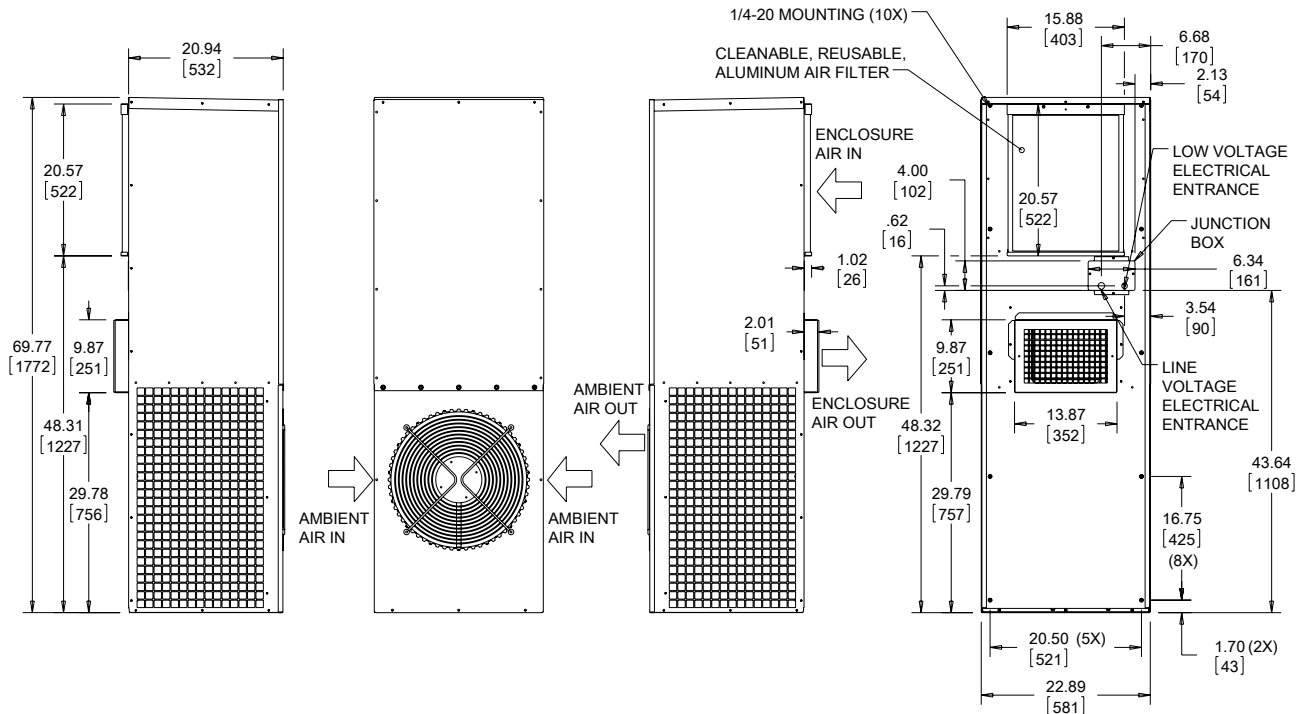
T70-36X6-GXXX R-407c Capacity Curves 50 Hz



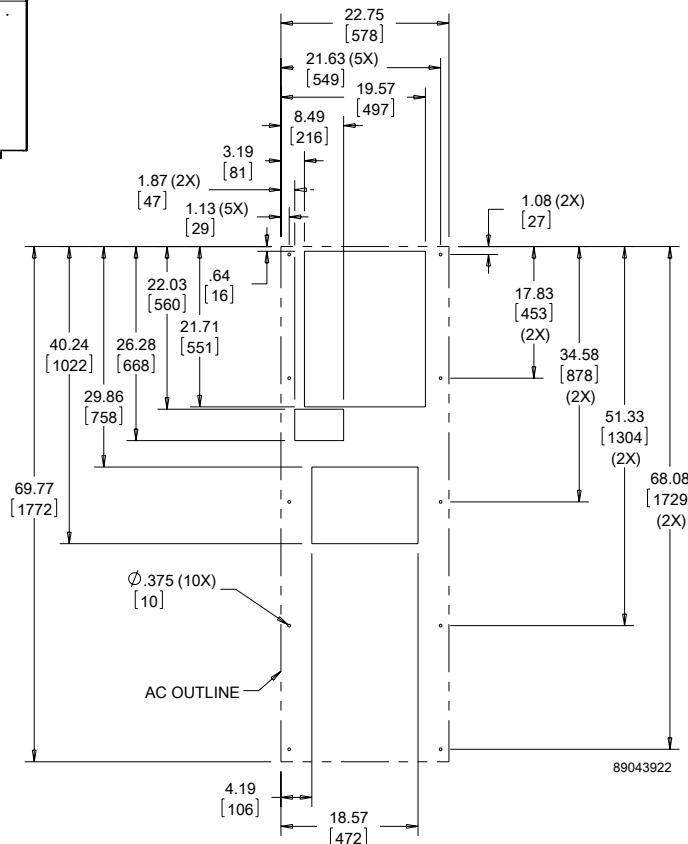
T70-36X6-GXXX R-407c Capacity Curves 60 Hz



T70 Models 36000 BTU/Hr. (10548 Watt)



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



Cutout Dimensions

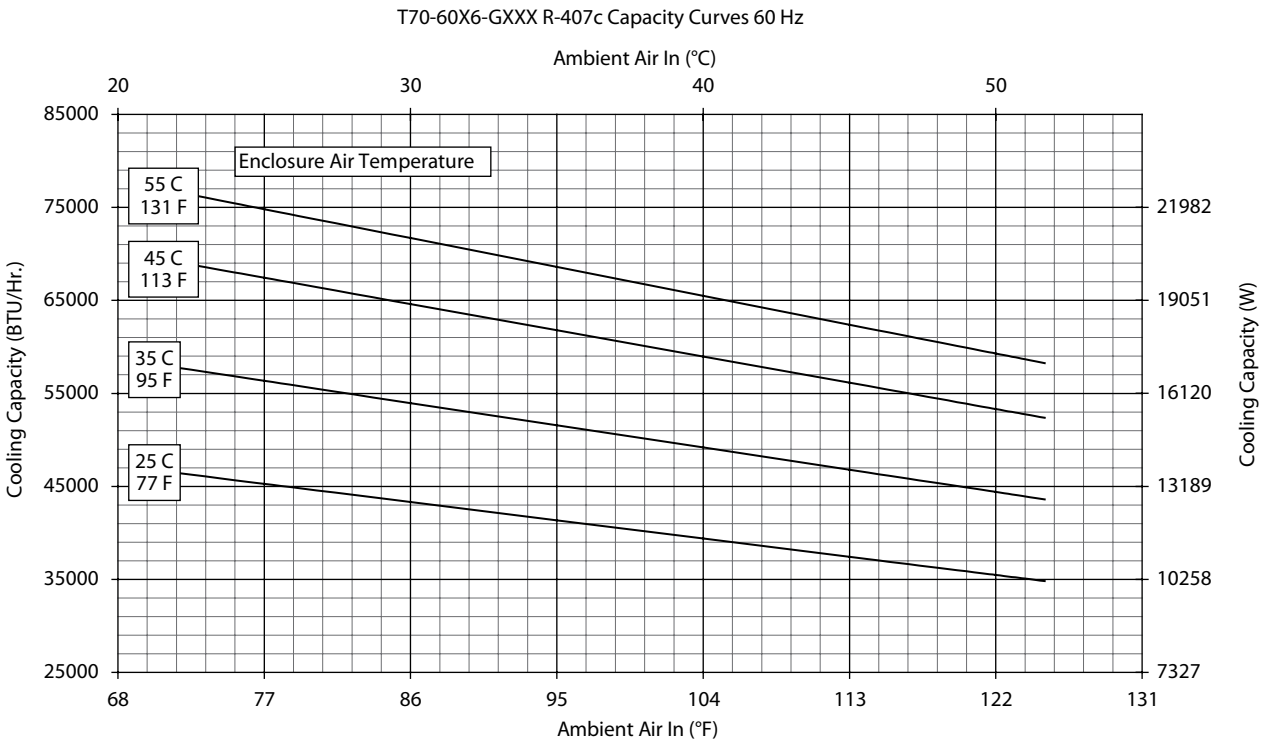
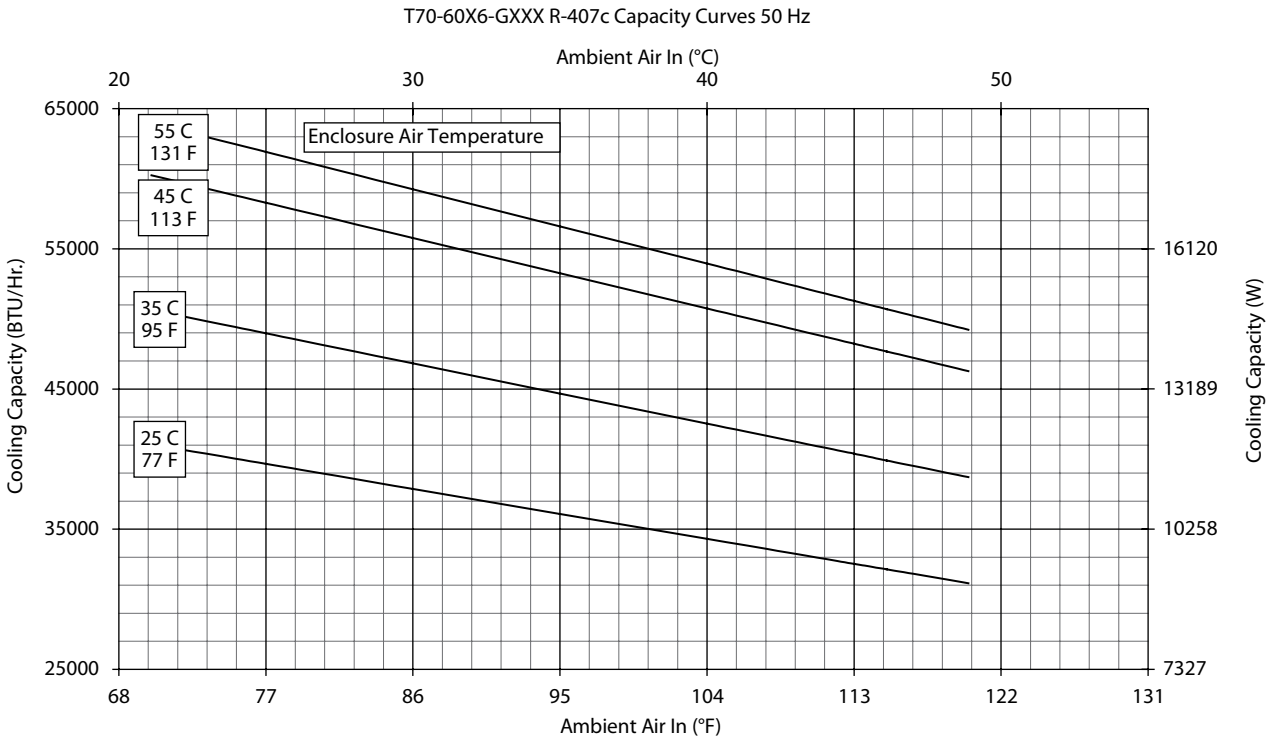
Visit [nVent.com/HOFFMAN](http://nVent.com/HOFFMAN) to download 2D and 3D CAD drawings into the overall design of your electrical system.



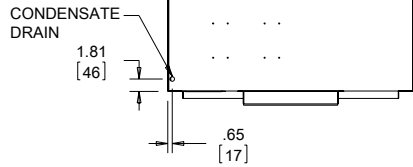
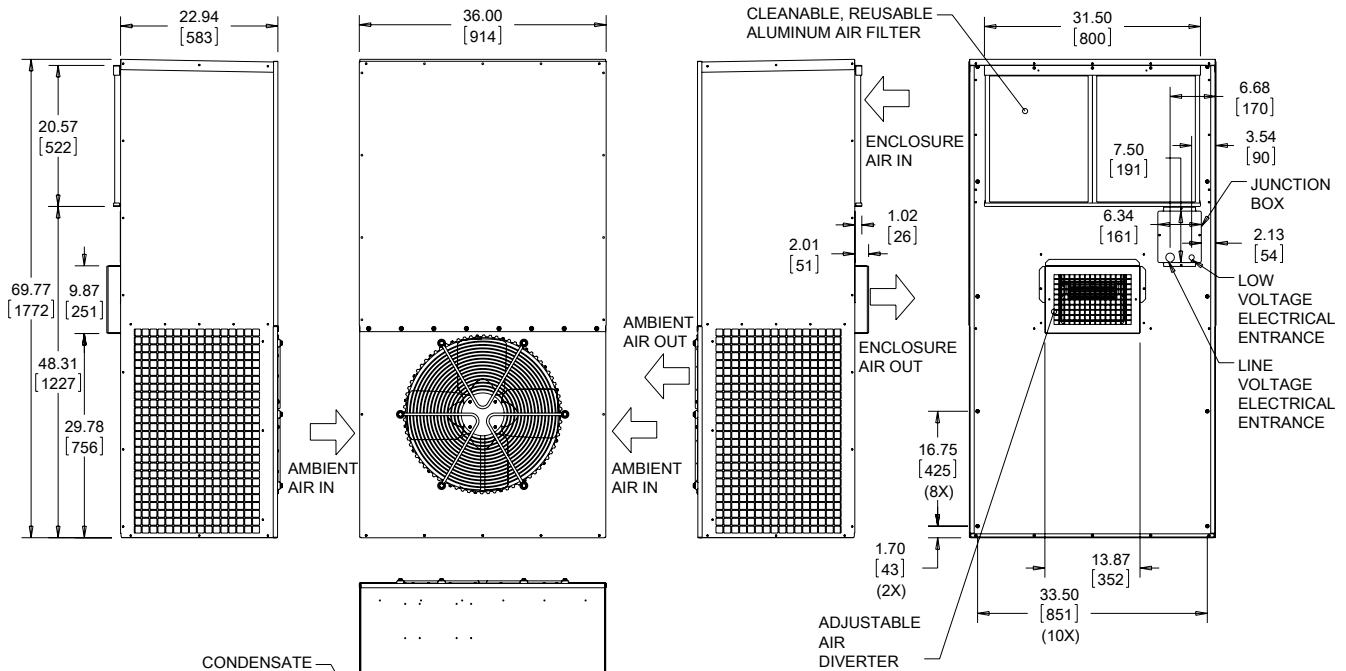
Performance Data T70-60 59000 BTU/Hr. (17287 Watt) Models

CATALOG NUMBER	T706026G150	T706046G400
<b>COOLING PERFORMANCE</b>		
<b>Nominal:</b>		
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 <sup>3</sup> /hr.)	1510/2565	
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	2716/4614	
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	1629/2767	
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	2931/4979	
Max. Heater W (Outdoor Models)		
<b>ELECTRICAL DATA</b>		
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
Starting Current (A)	144	144
Agency Approvals	UL/cUL Listed CE EAC Others available upon request	
Power Input Description	Terminal block	
<b>ENCLOSURE PROTECTION</b>		
UL Type	Type 12, 3R, 4 standard Type 4X Stainless steel optional	
International Rating Description	IP56 on the internal loop; IP34 on the external loop Basic mechanical thermostat	
<b>CONTROLLER</b>		
Thermostat Location	Enclosure side on all base models	
Factory Thermostat Setting (°F/°C)	80/27	
<b>SOUND LEVEL</b>		
At 1.5 Meters	66 dB(A)	
<b>UNIT CONSTRUCTION</b>		
Material	Galvanized sheet metal standard Stainless steel optional	
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard	
<b>UNIT DIMENSIONS</b>		
Height (in./mm)	69.77/1772	
Width (in./mm)	35.86/911	
Depth (in./mm)	22.94/583	
Weight (lb./kg)	419/190.5	

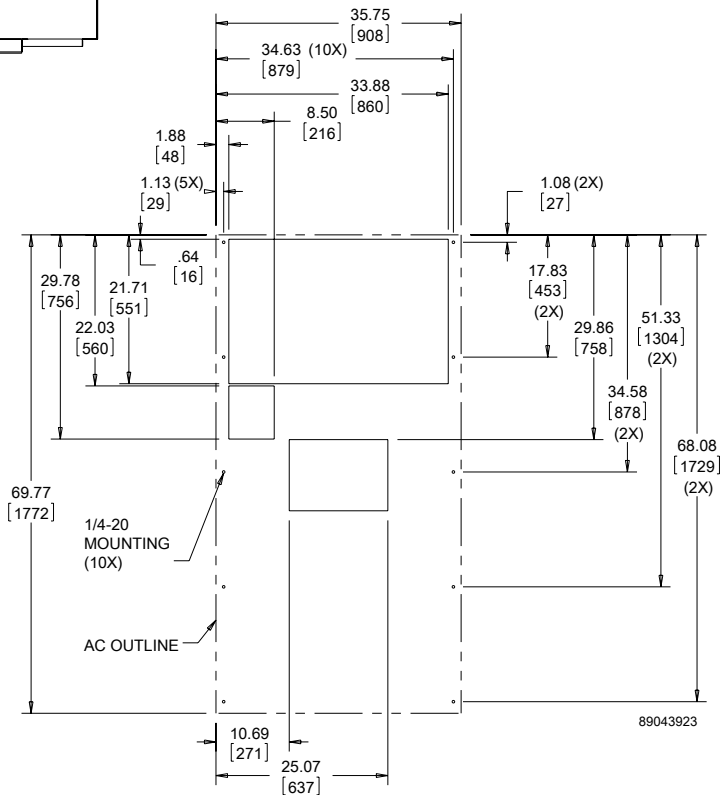
Performance Curves for T70 Models 59000 BTU/Hr. (17287 Watt)



T70 Models 59000 BTU/Hr. (17287 Watt)



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



Cutout Dimensions

Visit [nVent.com/HOFFMAN](http://nVent.com/HOFFMAN) to download 2D and 3D CAD drawings into the overall design of your electrical system.

C-NET INDUSTRIAL LTD. | +44(0)121 544 8608 | [INFO@CNET-IS.CO.UK](mailto:INFO@CNET-IS.CO.UK) | [WWW.CNET-IS.CO.UK](http://WWW.CNET-IS.CO.UK)



+44 (0)121 544 6808

| [info@cnet-is.co.uk](mailto:info@cnet-is.co.uk)

**C-NET Industrial Solutions  
Limited**

Suite 12, Sandwell Business Centre  
Oldbury Road  
Smethwick  
B66 1NN  
United Kingdom