

# T-Series™ Indoor/Outdoor Air Conditioner



*T29 Model*



*T53 Model*



*T70 Model  
(3 ton)*

*Keeps its cool during  
peak heat loads and hot weather*



## T-Series™ Indoor/Outdoor Air Conditioners

### PRODUCT OVERVIEW

The perfect cooling system where precise temperature control is needed. Built rugged to perform in extremely hot and cold ambient temperatures. Engineered to seal out virtually any bad weather.

### APPLICATIONS

- Telecommunications cabinets and shelters
- Transportation controls
- Outdoor security systems
- Mobile communications systems
- Other outdoor electronics applications

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## T-Series

### Indoor/Outdoor Air Conditioners



**T15**  
800 BTU/Hr.  
234 Watts



**T20**  
2000 BTU/Hr.  
586 Watts



**T29**  
4000 BTU/Hr.  
1173 Watts



**T43**  
6000, 8000, 10000 BTU/Hr.  
1758, 2344, 2930 Watts



**T50**  
12000 BTU/Hr.  
3516 Watts



**T53**  
19000 BTU/Hr.  
5567 Watts



**T62**  
20000 BTU/Hr.  
5860 Watts



**T70-36**  
36000 BTU/Hr.  
10548 Watts



**T70-60**  
59000 BTU/Hr.  
17287 Watts

T-Series A/C

#### Industry Standards

UL/cUL Listed

- CE
- Type 12/3R/4
- Type 4X stainless steel option
- 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
- R134A or R-407C earth-friendly refrigerant and RoHS compliant
- Models for 115, 230 and 460 Volt AC 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 to protect 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.

#### Notes

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

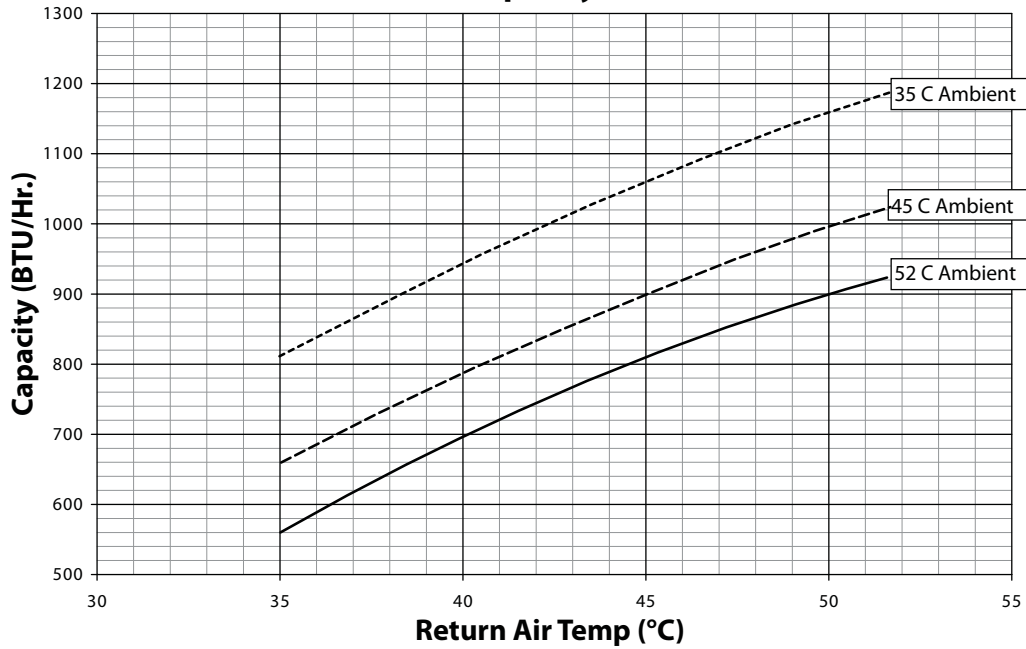
**T-Series**

 Performance Data **T15 800 BTU/Hr. (234 W) Models**

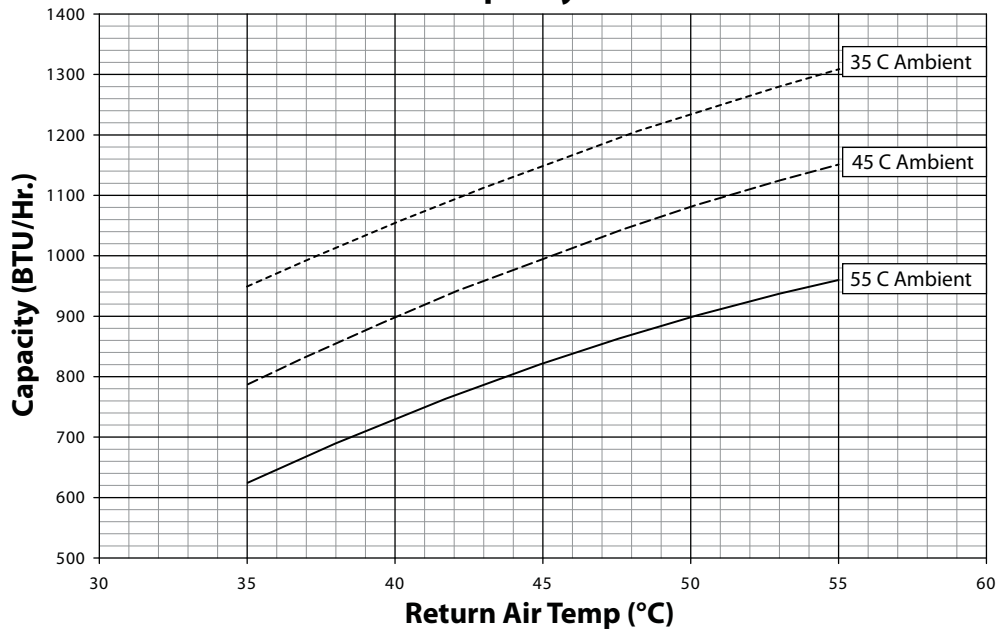
CATALOG NUMBER	T150116G150	T150126G150
<b>COOLING PERFORMANCE</b>		
<b>Nominal:</b>		
<b>BTUs/Hr.</b>	<b>800/800</b>	<b>800/900</b>
<b>Watts</b>	<b>235/235</b>	<b>235/264</b>
At 131 F/131 F (55 C/55 C):		
BTUs/Hr. (50/60 Hz)	819	920/960
W (50/60 Hz)	240	270/281
At 95 F/95 F (35 C/35 C):		
BTUs/Hr. (50/60 Hz)	948	810/955
W (50/60 Hz)	278	237/280
Refrigerant	R-134A	R-134A
Refrigerant Charge (ounces/grams)	4/113	3.8/107
Operating Temperature Range:		
Maximum (°F/°C)	131/55	125/131/52/55
Minimum (°F/°C)	-40/-40	-40/-40
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.)	25/42	25/42
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	48/82	48/82
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	30/51	30/51
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	53/90	53/90
Max. Heater W (Outdoor Models)	150	150
<b>ELECTRICAL DATA</b>		
<b>Rated Voltage</b>	<b>100/115</b>	<b>220/230</b>
Frequency (Hz)	50/60	50/60
Operating Range	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	360/403	330/345
Max. Nominal Current (A at 50/60 Hz)	3.6/3.5	1.5/1.5
Starting Current (A)	8.0/9.2	3.3/3.1
Agency Approvals	cUL Listed CE Others available upon request	
Power Input Description	6-ft. cord with NEMA 5-15 plug	6-ft. cord with NEMA 6-15 plug
<b>ENCLOSURE PROTECTION</b>		
UL Type	Type 12/3R/4 standard 4X Stainless steel optional	
<b>CONTROLLER</b>		
Description	Basic mechanical thermostat	
Thermostat Location	Enclosure behind front panel	
Factory Thermostat Setting (°F/°C)	80/27	
<b>SOUND LEVEL</b>		
At 1.5 Meters	63 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)	15.75/400	
Width (in./mm)	7.5/191	
Depth (in./mm)	6.3/160	
Weight (lb./kg)	27/12	

Performance Curves for T15 Models 800 BTU/Hr. (234 Watt)

**T15-01x6-Gxxx Capacity Curves 50 Hz**

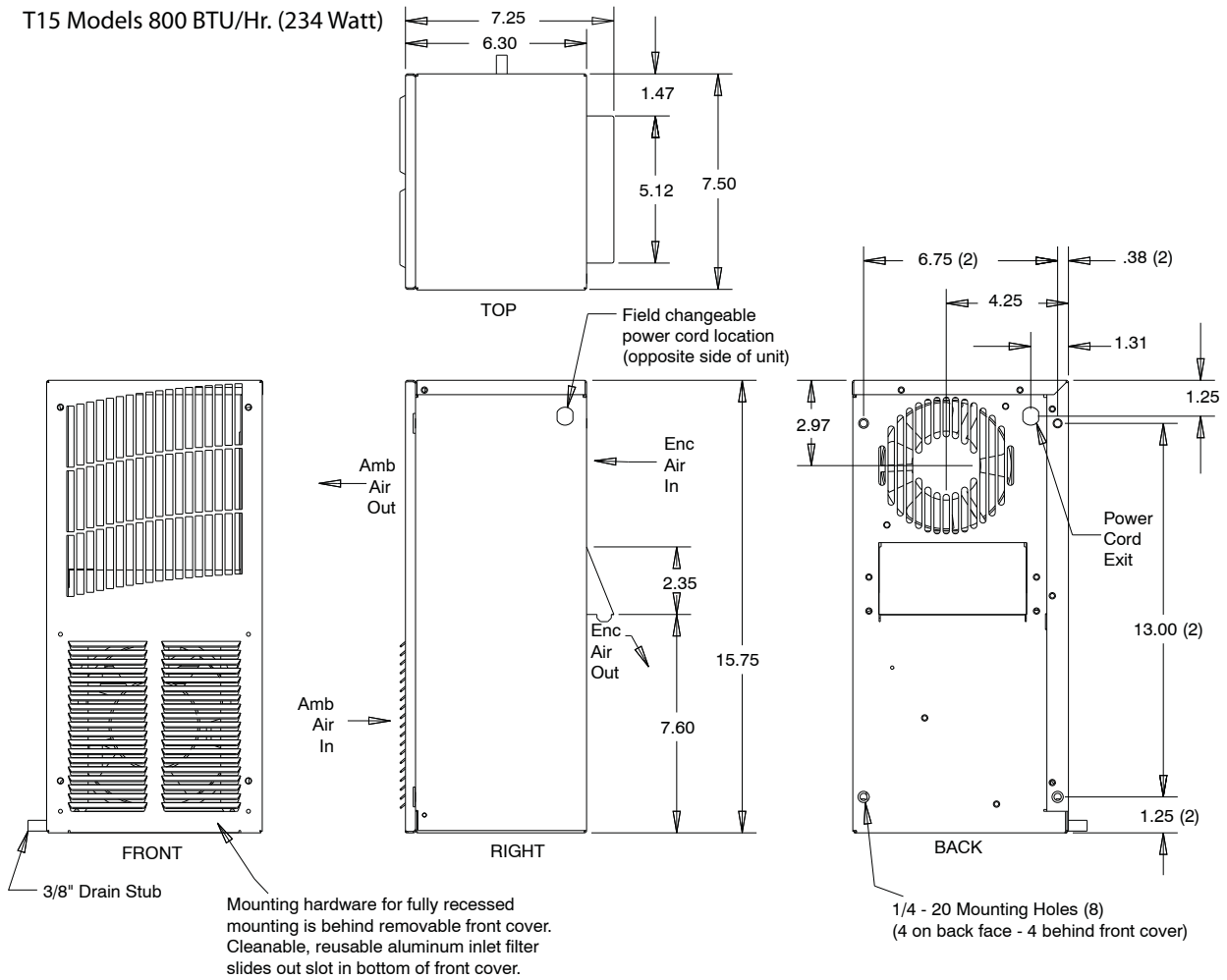


**T15-01x6-Gxxx Capacity Curves 60 Hz**

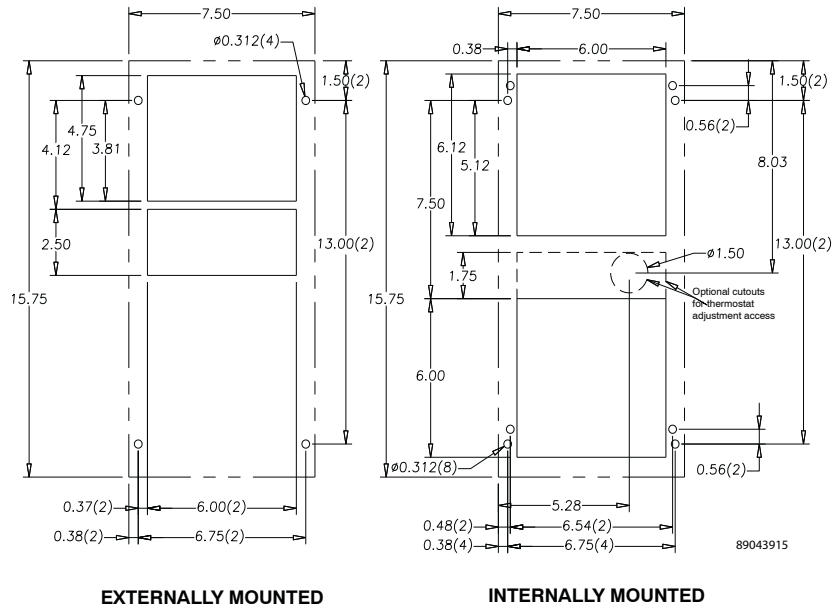


### T-Series

T15 Models 800 BTU/Hr. (234 Watt)



T-Series A/C



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T-Series

Performance Data T20 2000 BTU/Hr. (586 W) Models

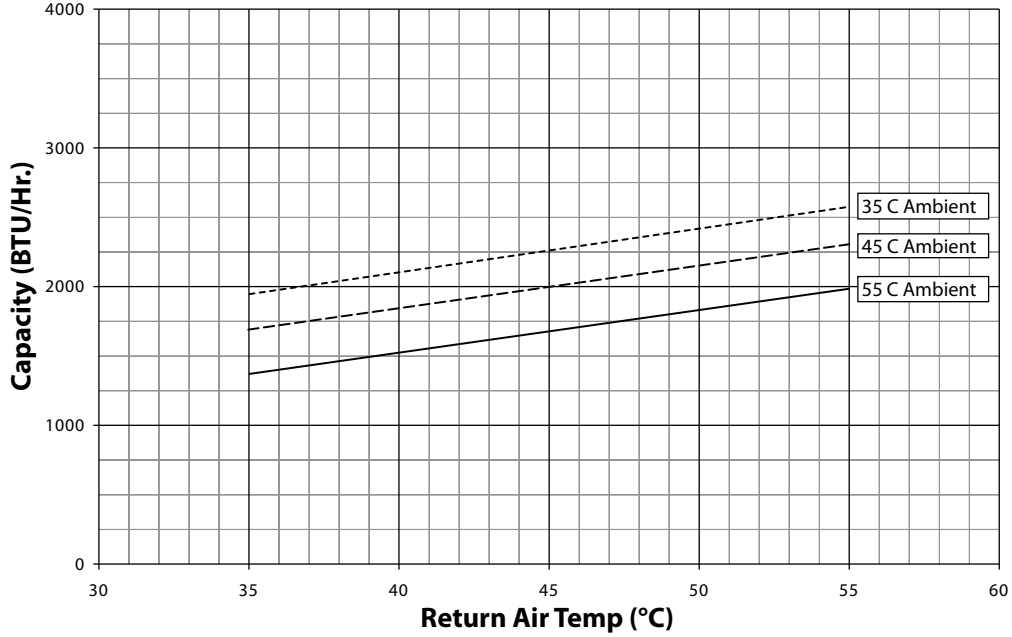
CATALOG NUMBER	T200216G150	T200226G150	T200246G400
<b>COOLING PERFORMANCE</b>			
<b>Nominal:</b>			
<b>BTUs/Hr.</b>	<b>1800/2000</b>	<b>1800/2000</b>	<b>1800/2000</b>
<b>Watts</b>	<b>528/586</b>	<b>528/586</b>	<b>528/586</b>
At 131 F/131 F (55 C/55 C):			
BTUs/Hr. (50/60 Hz)	2000/2175	2000/2175	2000/2175
W (50/60 Hz)	586/637	586/637	586/637
At 95 F/95 F (35 C/35 C):			
BTUs/Hr. (50/60 Hz)	1950/2200	1950/2200	1950/2200
W (50/60 Hz)	571/645	571/645	571/645
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	6.7/190	6.7/190	6.7/190
Operating Temperature Range:			
Maximum (°F/°C)	131/55	131/55	131/55
Minimum (°F/°C)	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.)	77/131	77/131	77/131
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	150/255	150/255	150/255
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	91/155	91/155	91/155
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	165/280	165/280	165/280
Max. Heater W (Outdoor Models)	500	500	500
<b>ELECTRICAL DATA</b>			
<b>Rated Voltage</b>	<b>115</b>	<b>230</b>	<b>460V 1PH</b>
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	700/805	805	874
Max. Nominal Current (A at 50/60 Hz)	7.0/7.0	3.5/3.5	1.9
Starting Current (A)	28	14.4	7.2
Agency Approvals	cUL Listed CE		cUR CE
	Others available upon request		
Power Input Description	6-ft. cord with NEMA 5-15 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
<b>ENCLOSURE PROTECTION</b>			
UL Type	Type 12/3R/4 standard 4X Stainless steel optional		
<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)	20/508	20/508	24.25/615.95
Width (in./mm)	10/254	10/254	10/254
Depth (in./mm)	9.9/251	9.9/251	9.9/251
Weight (lb./kg)	56/25	56/25	66/30

T-Series A/C

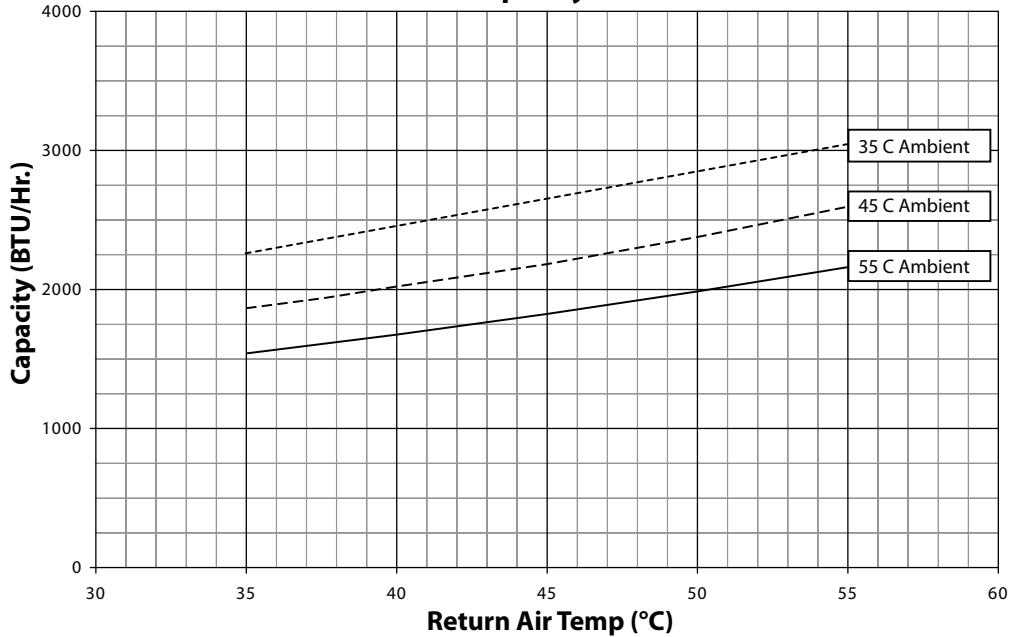
T-Series

Performance Curves for T20 Models 2000 BTU/Hr. (586 Watt)

**T20-02x6-Gxxx Capacity Curves 50 Hz**



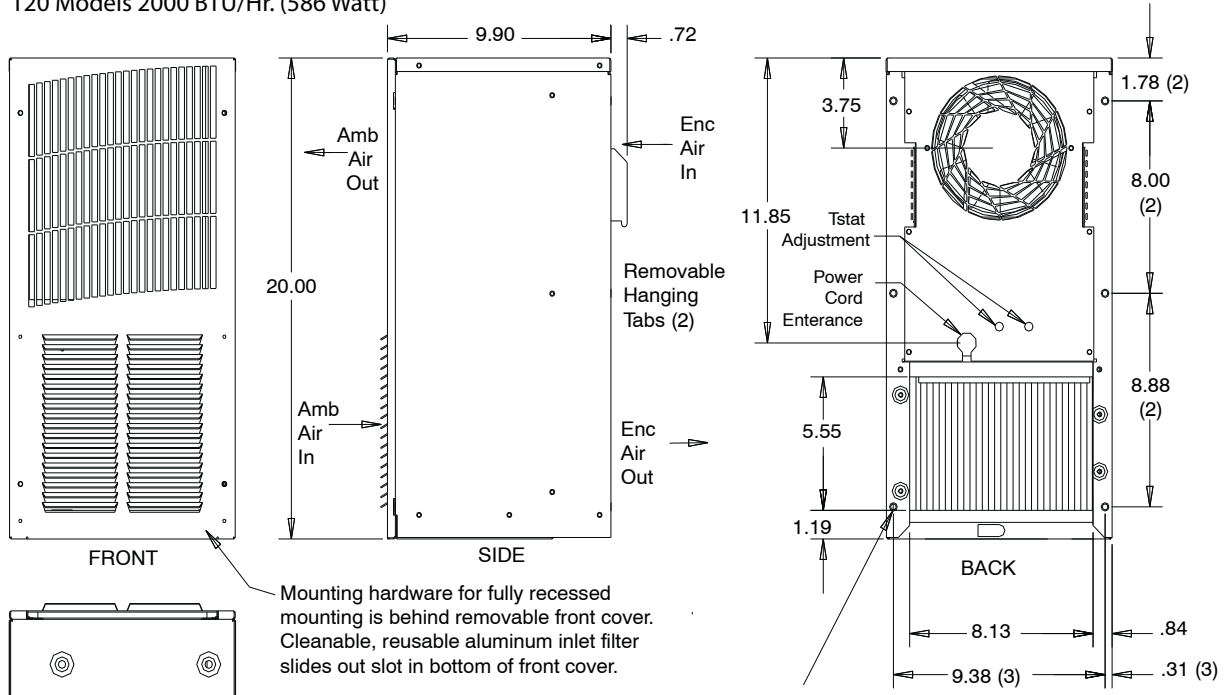
**T20-02x6-Gxxx Capacity Curves 60 Hz**



T-Series A/C

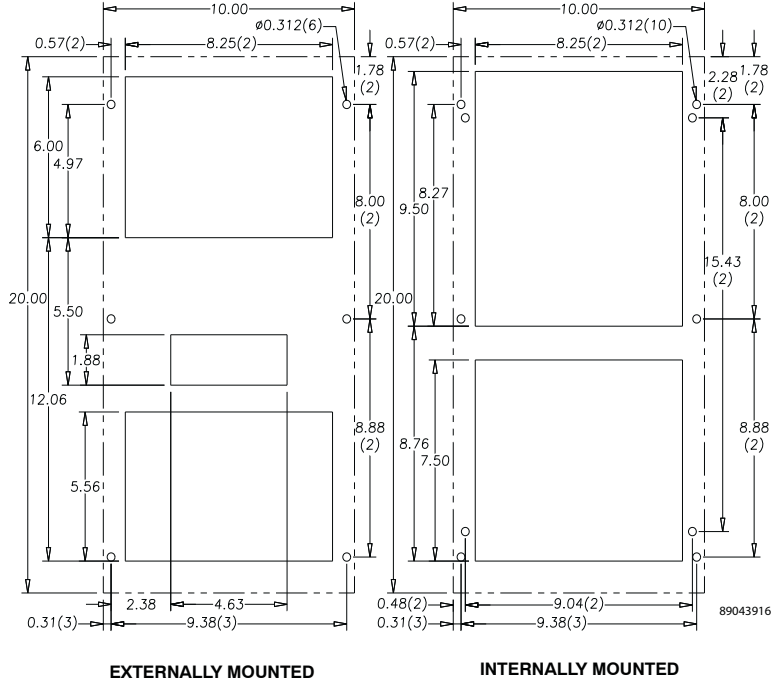
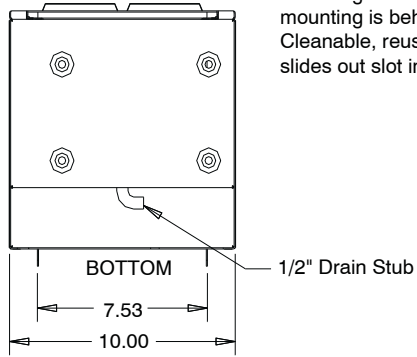
**T-Series**

T20 Models 2000 BTU/Hr. (586 Watt)



Mounting hardware for fully recessed mounting is behind removable front cover. Cleanable, reusable aluminum inlet filter slides out slot in bottom of front cover.

1/4 - 20 Mounting Holes (12)  
(6 on back face - 6 behind front cover)



**CUTOUT INSTRUCTIONS**  
(As viewed from outside of enclosure)

NOTES:  
1. Dashed lines represent air conditioner.

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T-Series A/C

**T-Series**

 Performance Data **T29 4000 BTU/Hr. (1173 W) Models**

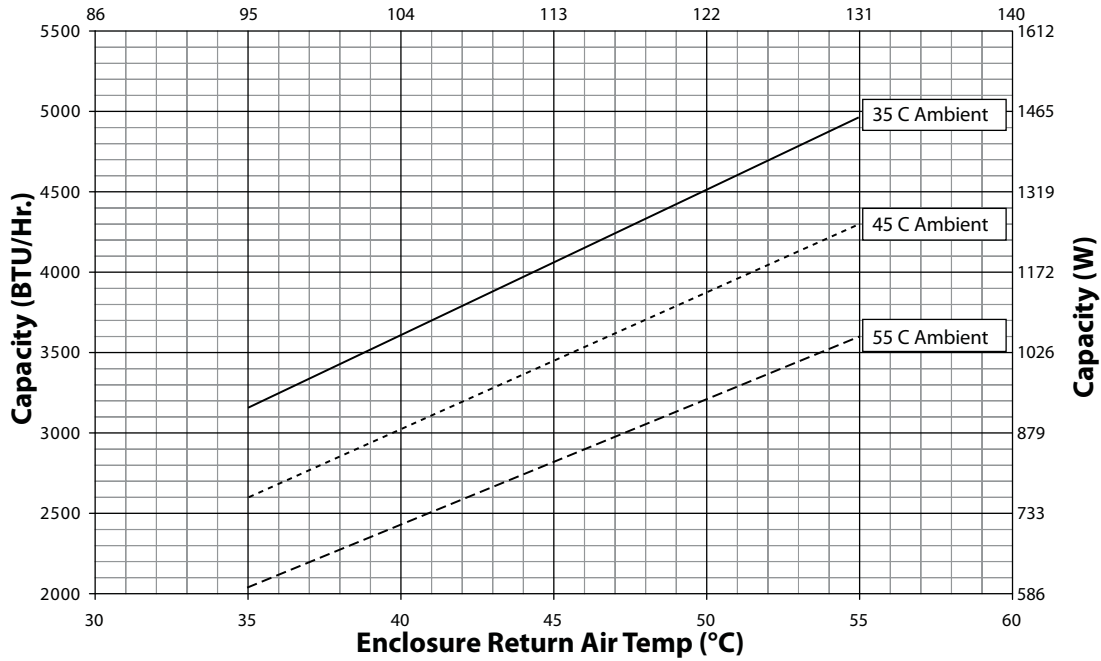
CATALOG NUMBER	T290416G150	T290426G150	T290446G400
<b>COOLING PERFORMANCE</b>			
<b>Nominal:</b>			
<b>BTUs/Hr.</b>	<b>3600/4000</b>	<b>3600/4000</b>	<b>3600/4000</b>
<b>Watts</b>	<b>1055/1172</b>	<b>1055/1172</b>	<b>1055/1172</b>
At 131 F/131 F (55 C/55 C):			
BTUs/Hr. (50/60 Hz)	3950/4250	3950/4250	3950/4250
W (50/60 Hz)	1157/1245	1157/1245	1157/1245
At 95 F/95 F (35 C/35 C):			
BTUs/Hr. (50/60 Hz)	3500/3900	3500/3900	3500/3900
W (50/60 Hz)	1025/1143	1025/1143	1025/1143
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	14.3/404	14.3/404	14.3/404
Operating Temperature Range:			
Maximum (°F/°C)	131/55	131/55	131/55
Minimum (°F/°C)	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.)	172/292	172/292	172/292
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	195/331	195/331	195/331
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	205/348	205/348	205/348
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	235/399	235/399	235/399
Max. Heater W (Outdoor Models)	1000	1000	
<b>ELECTRICAL DATA</b>			
<b>Rated Voltage</b>	<b>115</b>	<b>230</b>	<b>460V 1PH</b>
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1587/1564	1587/1564	1748
Max. Nominal Current (A at 50/60 Hz)	13.8/13.6	6.9/6.8	3.8
Starting Current (I)	48	23	12
Agency Approvals	cUL Listed CE		cUR Recognized CE
	Others available upon request		
Power Input Description	6-ft. cord with NEMA 5-20 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
<b>ENCLOSURE PROTECTION</b>			
UL Type	Type 12/3R/4 standard 4X Stainless steel optional		
<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 M	67 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)	29/737	29/737	29/737
Width (in./mm)	17/432	17/432	17/432
Depth (in./mm)	11.3/287	11.3/287	11.3/287
Weight (lb./kg)	107/48.6	107/48.6	127/58

**T-Series**

Performance Curves for T29 Models 4000 BTU/Hr. (1173 Watt)

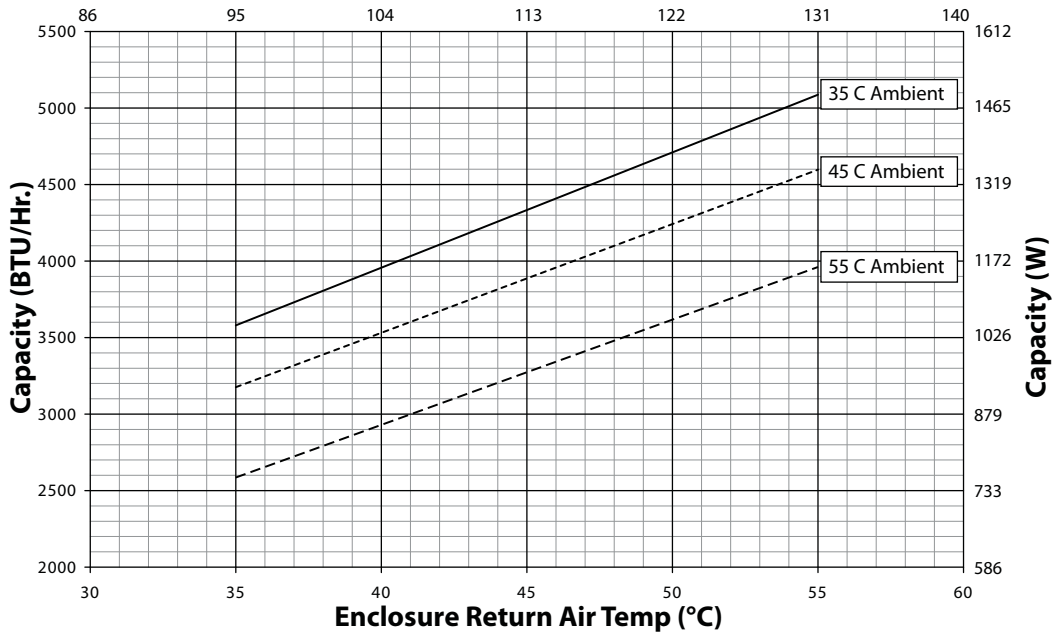
**T29-04x6-Gxxx Capacity Curves 50 Hz**

Enclosure Return Air Temp (°F)



**T29-04x6-Gxx Capacity Curves 60 Hz**

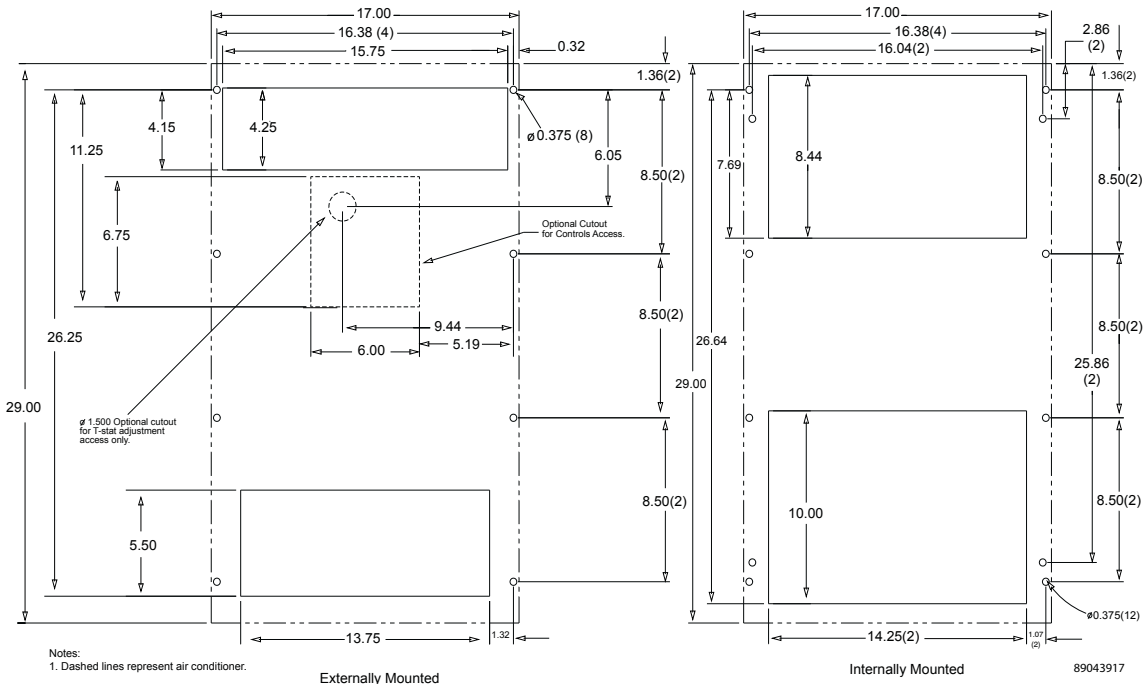
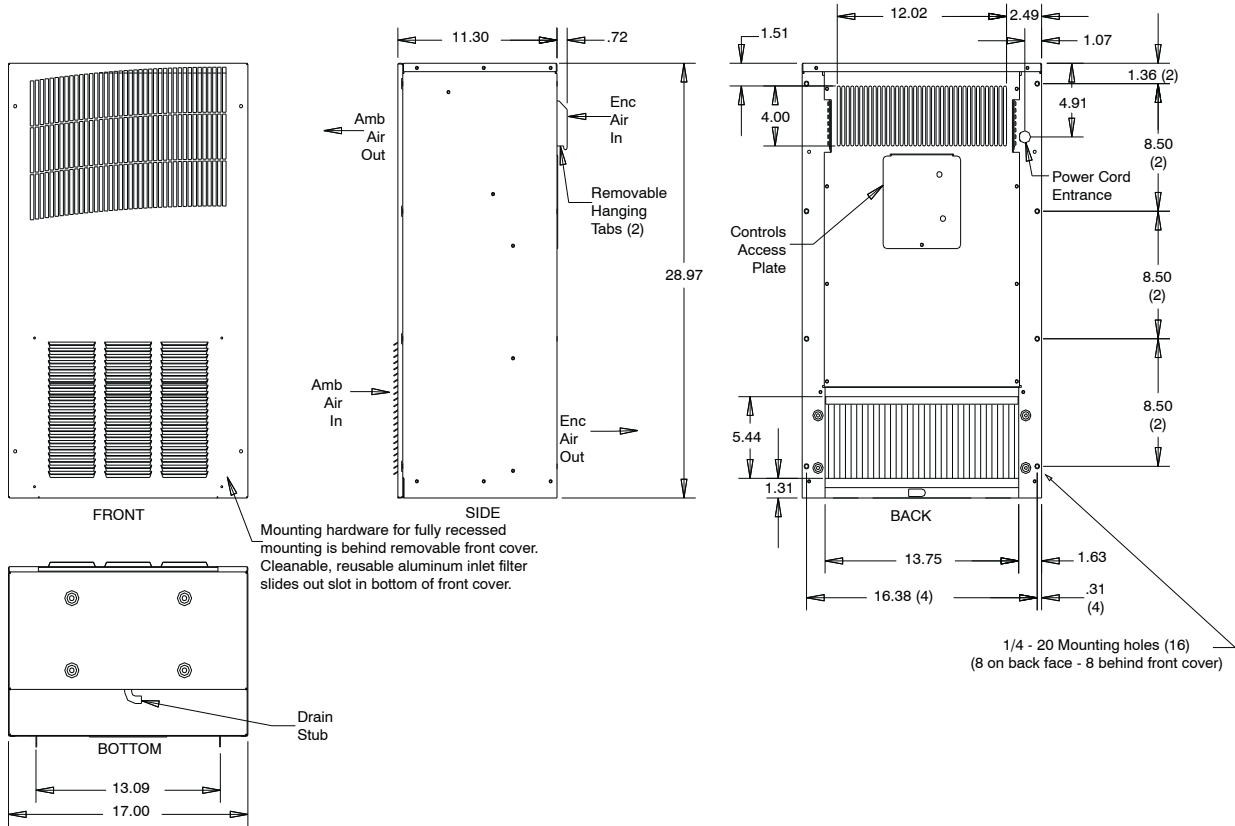
Enclosure Return Air Temp (°F)



T-Series A/C

**T-Series**

T29 Models 4000 BTU/Hr. (1173 Watt)



Notes:  
1. Dashed lines represent air conditioner.

CUTOUT INSTRUCTIONS  
(as viewed from outside enclosure)

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T-Series A/C

T-Series

Performance Data **T43 6000 BTU/Hr. (1758 Watt) Models**

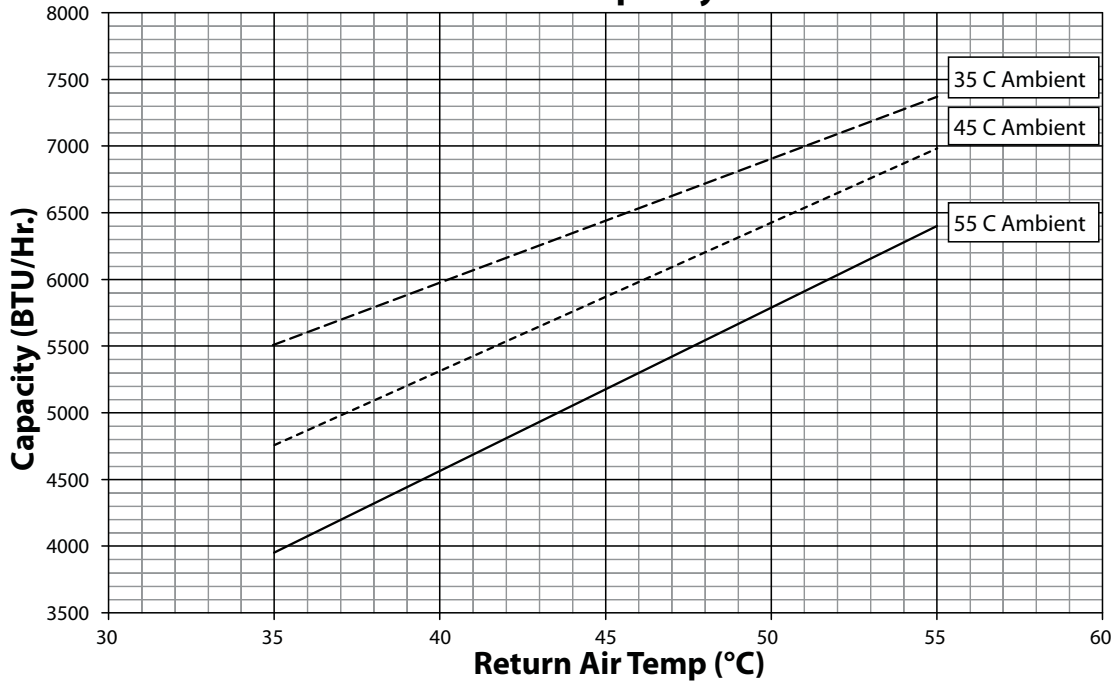
CATALOG NUMBER	T430616G150	T430626G150	T430646G400
<b>COOLING PERFORMANCE</b>			
<b>Nominal:</b>			
<b>BTUs/Hr.</b>	<b>6310/6680</b>	<b>6520/6770</b>	<b>6520/6770</b>
<b>Watts</b>	<b>1848/1958</b>	<b>1910/1985</b>	<b>1910/1985</b>
At 131 F/131 F (55 C/55 C):			
BTUs/Hr. (50/60 Hz)	6400/6680	6520/6774	6520/6774
W (50/60 Hz)	1875/1957	1910/1985	1910/1985
At 95 F/95 F (35 C/35 C):			
BTUs/Hr. (50/60 Hz)	5500/5900	5461/5846	5461/5846
W (50/60 Hz)	1611/1729	1600/1713	1600/1713
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	30/850	30/850	30/850
Operating Temperature Range:			
Maximum (°F/°C)	131/55	131/55	131/55
Minimum (°F/°C)	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.)	310/527	310/527	310/527
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	345/586	345/586	345/586
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	320/544	320/544	320/544
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	355/603	355/603	355/603
Max. Heater W (Outdoor Models)	1000	1000	N/A
<b>ELECTRICAL DATA</b>			
<b>Rated Voltage</b>	<b>115</b>	<b>230</b>	<b>460V 1PH</b>
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1058/989	1012/874	1104/966
Max. Nominal Current (A at 50/60 Hz)	9.2/8.6	4.4/3.8	2.4/2.1
Starting Current (A)	57.2	27	14
Agency Approvals	cUL Listed CE		cUR Recognized CE
	Others available upon request		
Power Input Description	6-ft. cord with NEMA 5-20 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
<b>ENCLOSURE PROTECTION</b>			
UL Type	Type 12/3R/4 standard 4X Stainless steel optional		
International Rating	IP56 on the internal loop; IP34 on the external loop		
<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 M	65.7 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)	43/1092		
Width (in./mm)	15.75/400		
Depth (in./mm)	10.9/279		
Weight (lb./kg)	125/57		

T-Series A/C

T-Series

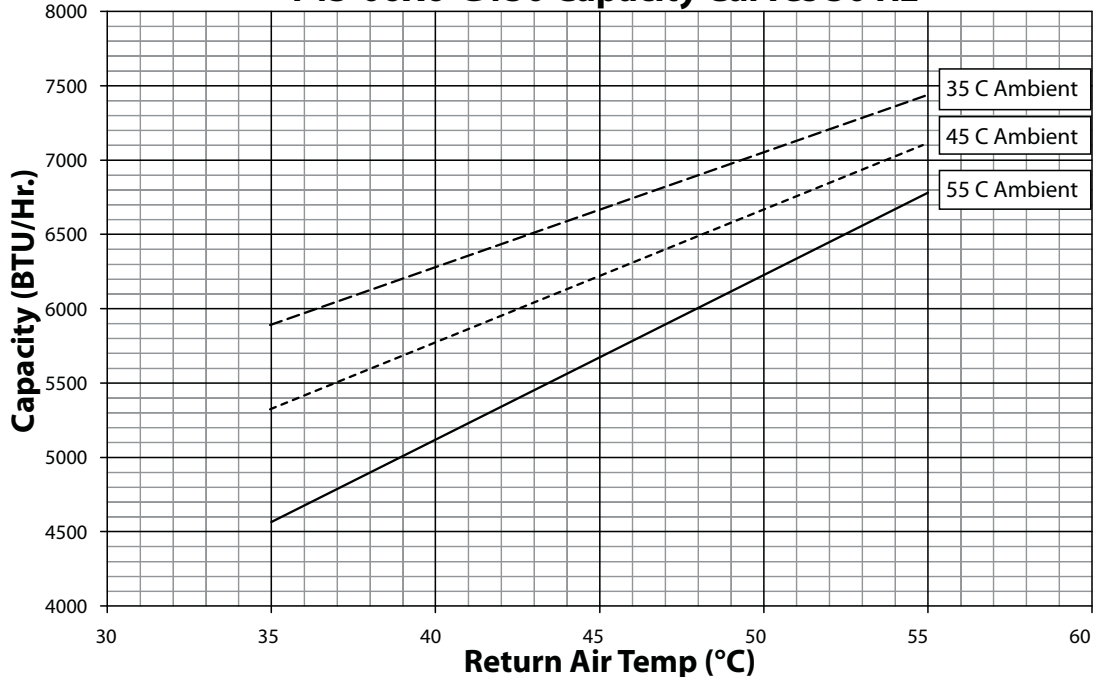
Performance Curves for T43 Models 6000 BTU/Hr. (1758 Watt)

**T43-06X6-G150 Capacity Curves 50 Hz**



T-Series A/C

**T43-06X6-G150 Capacity Curves 50 Hz**



T-Series

Performance Data **T43 8000 BTU/Hr. (2344 W) Models**

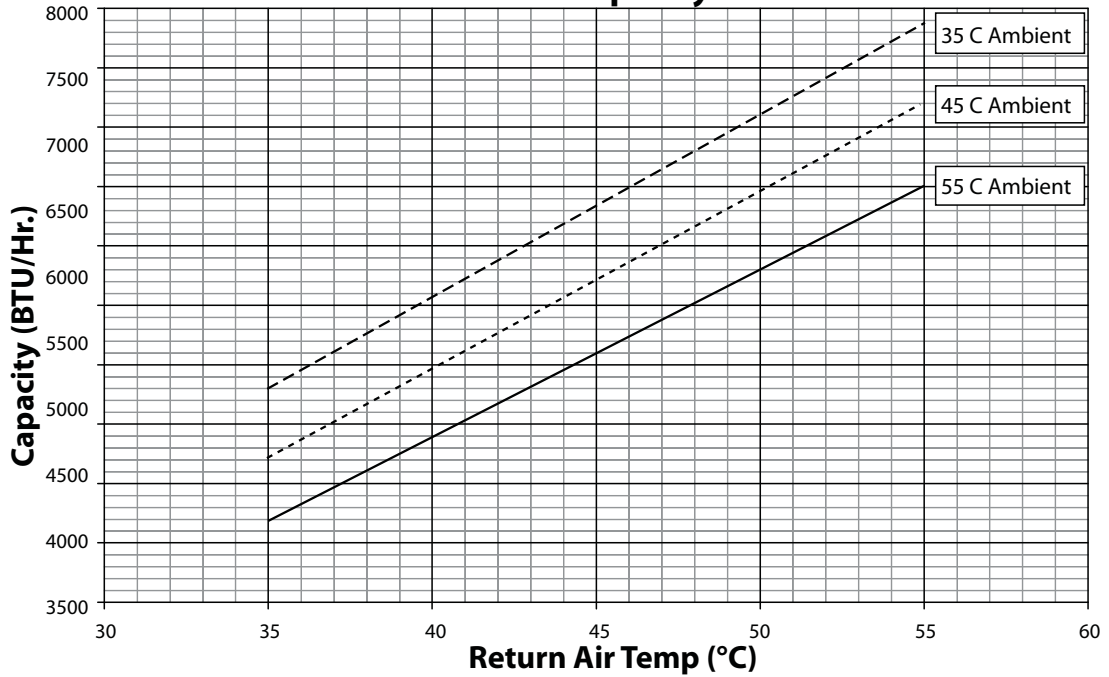
CATALOG NUMBER	T430816G150	T430826G150	T430846G400
<b>COOLING PERFORMANCE</b>			
<b>Nominal:</b>			
<b>BTUs/Hr.</b>	<b>7900/8600</b>	<b>7400/8200</b>	<b>7400/8200</b>
<b>Watts</b>	<b>2310/2500</b>	<b>2160/2400</b>	<b>2160/2400</b>
At 131 F/131 F (55 C/55 C):			
BTUs/Hr. (50/60 Hz)	7937/8629	7484/8215	7484/8215
W (50/60 Hz)	2326/2528	2193/2407	2193/2407
At 95 F/95 F (35 C/35 C):			
BTUs/Hr. (50/60 Hz)	6401/7100	5940/6705	5940/6705
W (50/60 Hz)	1875/2080	1740/1965	1740/1965
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	36/1022	36/1022	36/1022
Operating Temperature Range:			
Maximum (°F/°C)	131/55	131/55	131/55
Minimum (°F/°C)	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.)	273/464	273/464	273/464
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	310/527	310/527	310/527
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	290/493	290/493	290/493
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	315/535	315/535	315/535
Max. Heater W (Outdoor Models)	1000	1000	N/A
<b>ELECTRICAL DATA</b>			
<b>Rated Voltage</b>	<b>115</b>	<b>230</b>	<b>460V 1PH</b>
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1196/1288	1196/1242	1334/1380
Max. Nominal Current (A at 50/60 Hz)	10.4/11.2	5.2/5.4	2.9/3.0
Starting Current (A)	48.3	27	14
Agency Approvals	cUL Listed CE		cUR Recognized CE
	Others available upon request		
Power Input Description	6-ft. cord with NEMA 5-20 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
<b>ENCLOSURE PROTECTION</b>			
UL Type	Type 12/3R/4 standard 4X Stainless steel optional		
International Rating	IP56 on the internal loop; IP34 on the external loop		
<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 M	65.7 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)	43/1092		
Width (in./mm)	15.75/400		
Depth (in./mm)	10.9/279		
Weight (lb./kg)	125/57		

T-Series A/C

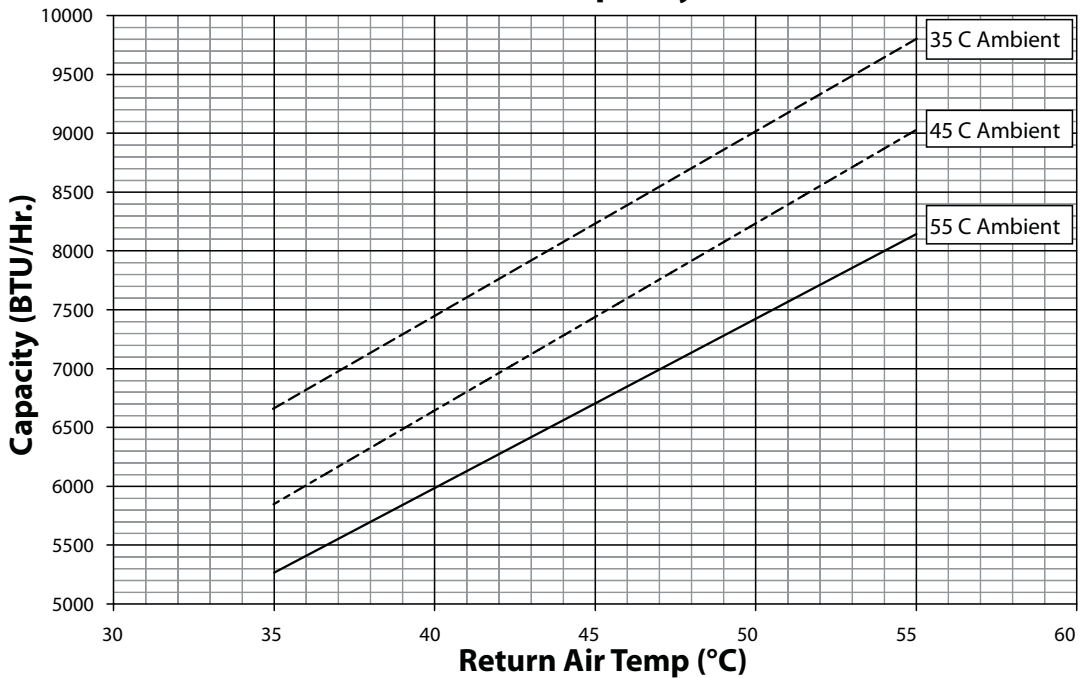
**T-Series**

Performance Curves for T43 Models 8000 BTU/Hr. (2344 Watt)

**T43-08X6-G150 Capacity Curves 50 Hz**



**T43-08X6-G150 Capacity Curves 60 Hz**



T-Series A/C

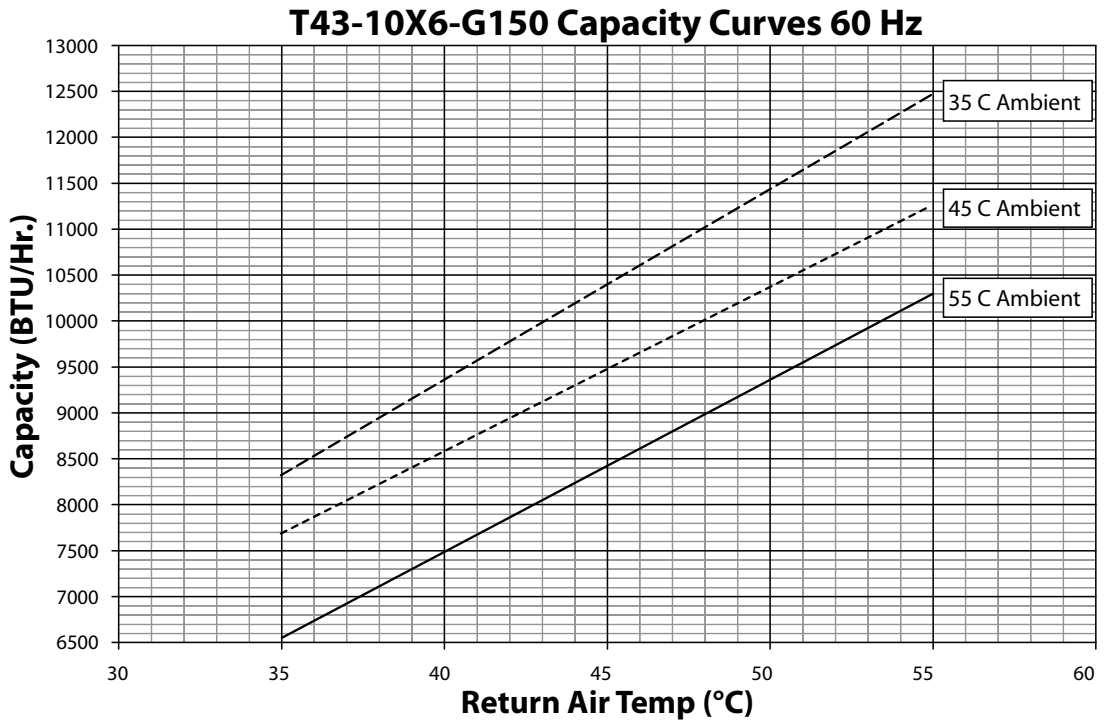
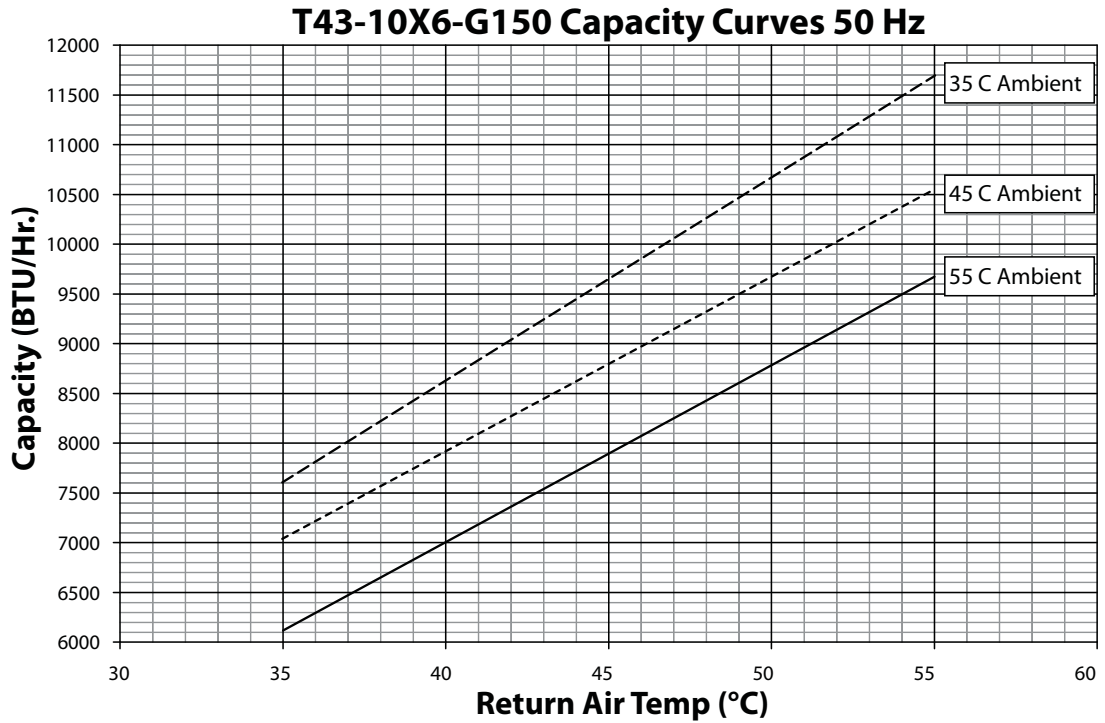
**T-Series**

 Performance Data **T43 10000 BTU/Hr. (2930 W) Models**

<b>CATALOG NUMBER</b>			
	T431016G150	T431026G150	T431046G400
<b>COOLING PERFORMANCE</b>			
<b>Nominal:</b>			
<b>BTUs/Hr.</b>	<b>9670/10300</b>	<b>10100/10500</b>	<b>10100/10500</b>
<b>Watts</b>	<b>2831/3016</b>	<b>2957/3075</b>	<b>2957/3075</b>
At 131 F/131 F (55 C/55 C):			
BTUs/Hr. (50/60 Hz)	9667/10290	10039/10669	10039/10669
W (50/60 Hz)	2832/3015	2941/3126	2941/3126
At 95 F/95 F (35 C/35 C):			
BTUs/Hr. (50/60 Hz)	7663/8397	8458/8837	8458/8837
W (50/60 Hz)	2245/2460	2478/2589	2478/2589
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	32/907	32/907	32/907
Operating Temperature Range:			
Maximum (°F/°C)	131/55	131/55	131/55
Minimum (°F/°C)	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.)	272/462	320/544	320/544
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	510/866	568/965	568/965
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	290/493	330/561	330/561
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	565/960	636/1081	636/1081
Max. Heater W (Outdoor Models)	1000	1000	N/A
<b>ELECTRICAL DATA</b>			
<b>Rated Voltage</b>	<b>115</b>	<b>230</b>	<b>460V 1PH</b>
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1828.5/2288.5	2070	1334/1380
Max. Nominal Current (A at 50/60 Hz)	15.9/19.9	9	5
Starting Current (A)	57	38	20
Agency Approvals	cUL Listed CE		cUR Recognized CE
Others available upon request			
Power Input Description	6-ft. cord with NEMA 5-30 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
<b>ENCLOSURE PROTECTION</b>			
UL Type	Type 12/3R/4 standard 4X Stainless steel optional		
International Rating	IP56 on the internal loop; IP34 on the external loop		
<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 M	73.3 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)	43/1092		
Width (in./mm)	15.75/400		
Depth (in./mm)	10.9/279		
Weight (lb./kg)	125/57		

T-Series

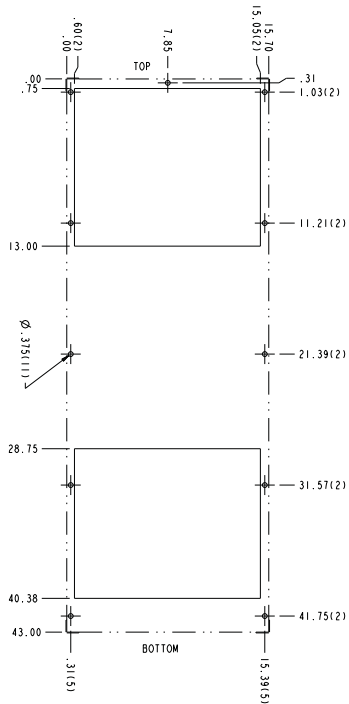
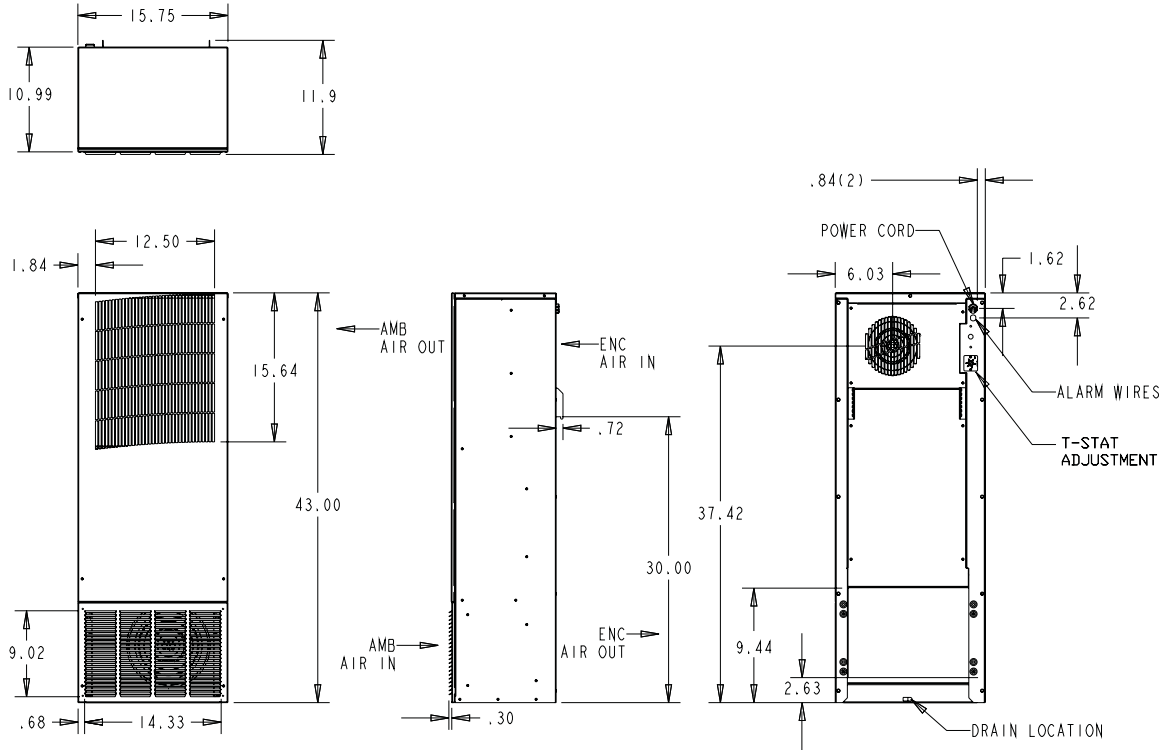
Performance Curves for T43 Models 10000 BTU/Hr. (2930 Watt)



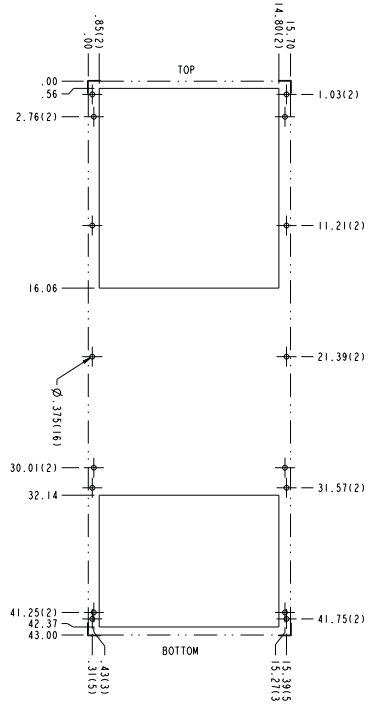
T-Series A/C

**T-Series**

T43 6000 - 10000 Models BTU/Hr. (1758 - 2930 Watt)



Externally Mounted



Internally Mounted

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**T-Series**

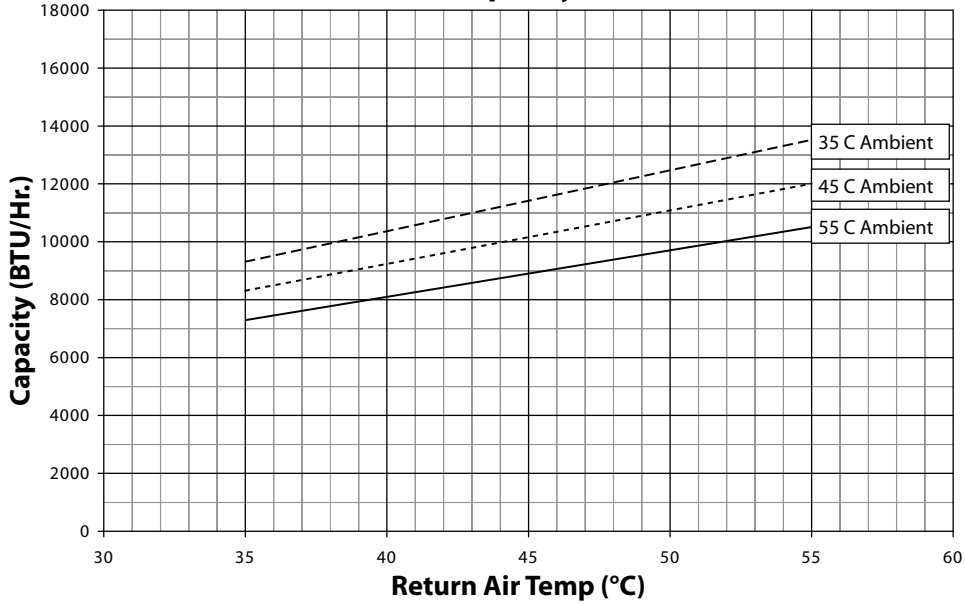
 Performance Data **T50 12000 BTU/Hr. (3516 W) Models**

<b>CATALOG NUMBER</b>		
	T501226G150	T501246G400
<b>COOLING PERFORMANCE</b>		
<b>Nominal:</b>		
<b>BTUs/Hr.</b>	<b>11000/12000</b>	<b>11000/12000</b>
<b>Watts</b>	<b>3223/3516</b>	<b>3223/3516</b>
At 131 F/131 F (55 C/55 C):		
BTUs/Hr. (50/60 Hz)	10030/12000	10030/12000
W (50/60 Hz)	2939/3516	2939/3516
At 95 F/95 F (35 C/35 C):		
BTUs/Hr. (50/60 Hz)	9300/10050	9300/10050
W (50/60 Hz)	2725/2945	2725/2945
Refrigerant	R-134A	R-134A
Refrigerant Charge (ounces/grams)	46/1300	46/1300
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.)	300/510	300/510
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	520/883	520/883
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	368/626	368/626
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	625/1062	625/1062
Max. Heater W (Outdoor Models)	1500	1500
<b>ELECTRICAL DATA</b>		
<b>Rated Voltage</b>	<b>220/230</b>	<b>460V 1PH</b>
Frequency (Hz)	50/60	50/60
Operating Range	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1804/2139	2070/2346
Max. Nominal Current (A at 50/60 Hz)	8.2/9.3	4.5/5.1
Starting Current (A)	38	20
Agency Approvals	cUL Listed CE	cUR Recognized CE
Power Input Description	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
<b>ENCLOSURE PROTECTION</b>		
UL Type	Type 12/3R/4 standard 4X Stainless steel optional	
<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 M	68 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)	50/1270	50/1270
Width (in./mm)	19/483	19/483
Depth (in./mm)	11.05/281	11.05/281
Weight (lb./kg)	164/75	164/75

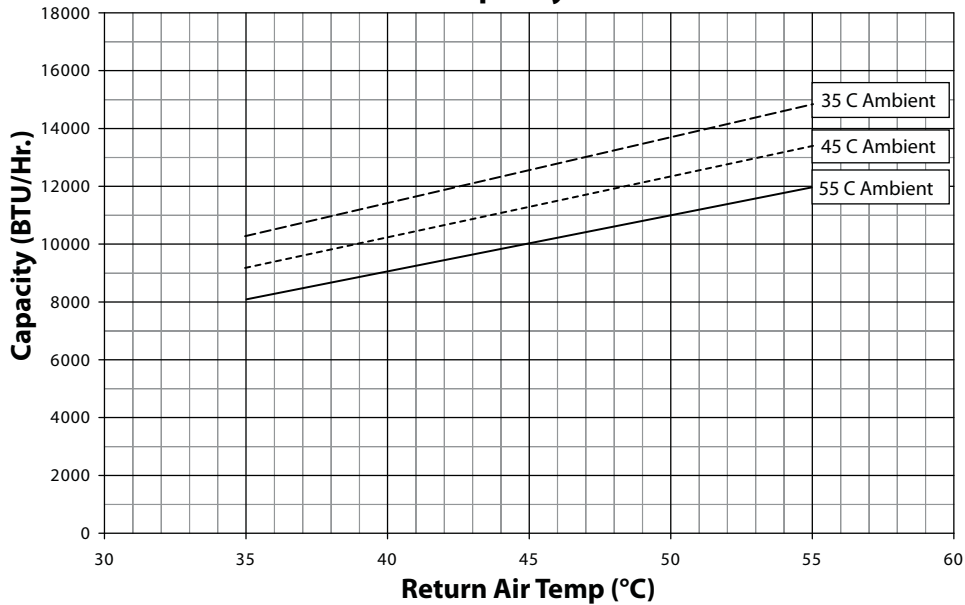
T-Series

Performance Curves for T50 Models 12000 BTU/Hr. (3516 Watt)

**T50-12x6-GXXX Capacity Curves 50 Hz**

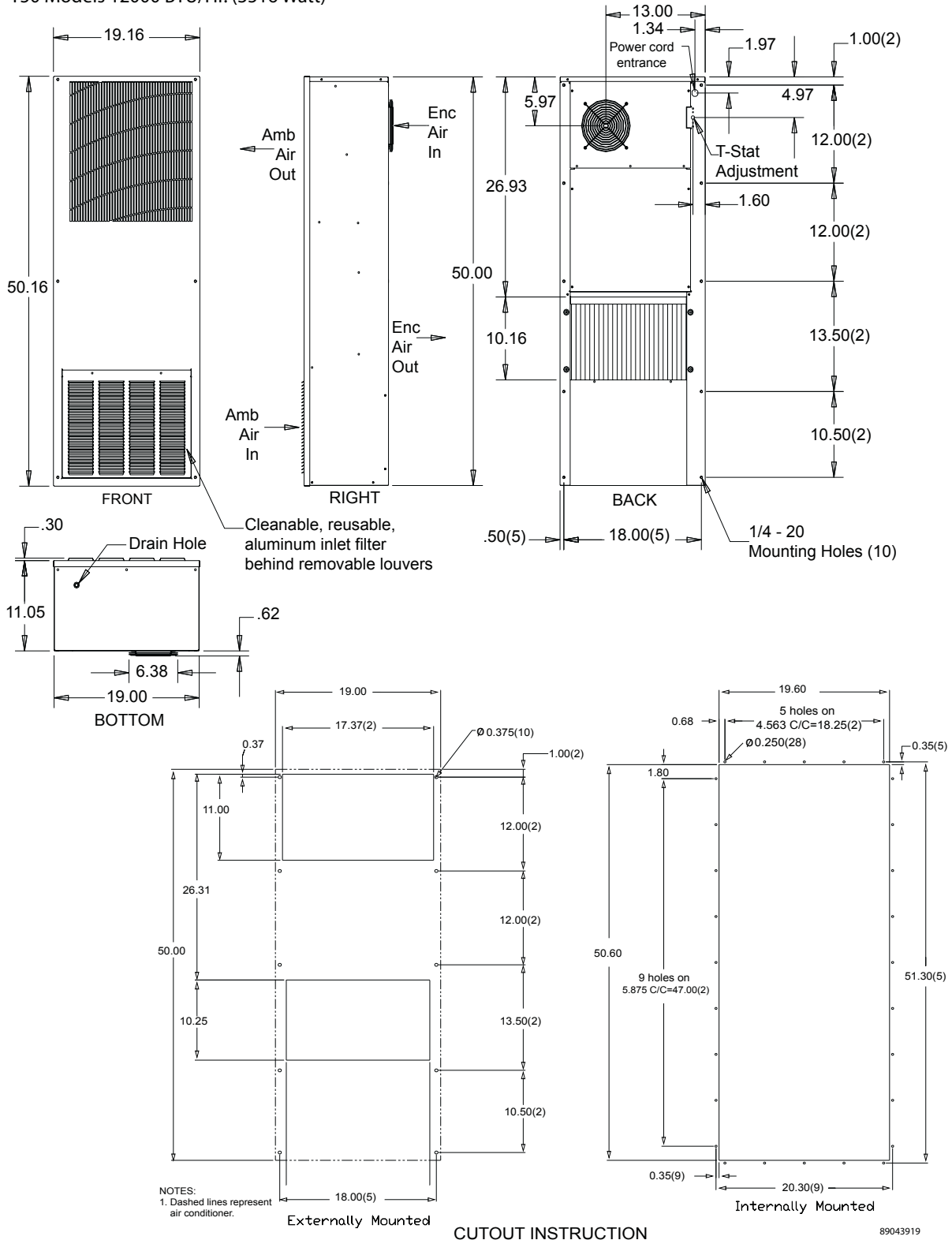


**T50-12x6-GXXX Capacity Curves 60 Hz**



**T-Series**

T50 Models 12000 BTU/Hr. (3516 Watt)



T-Series A/C

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T-Series

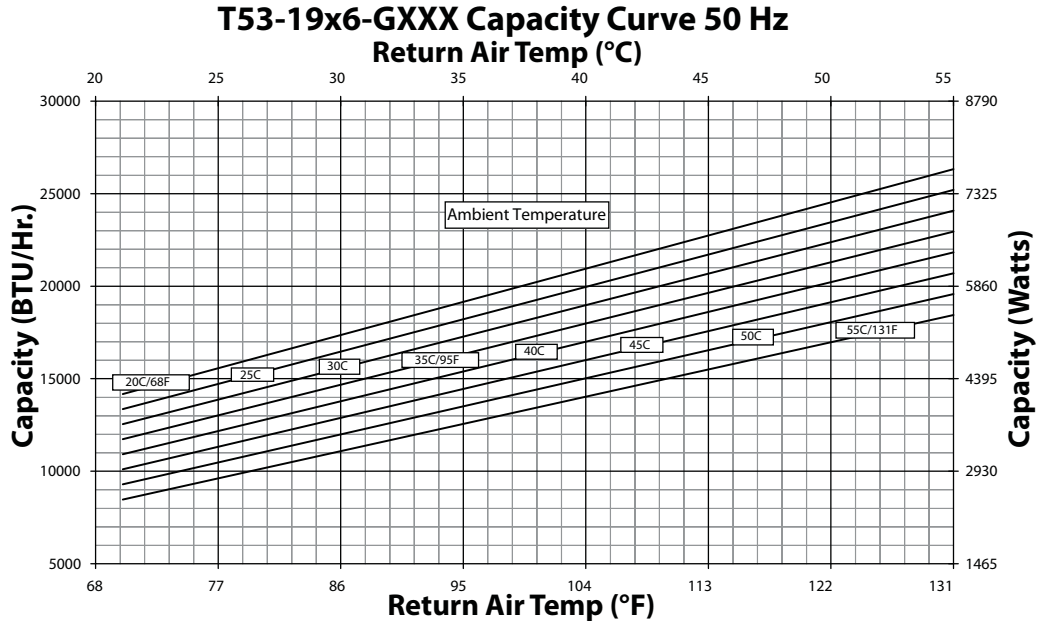
Performance Data T53 19000 BTU/Hr. (5567 W) Models

CATALOG NUMBER		
	T531926G150	T531946G400
COOLING PERFORMANCE		
<b>Nominal:</b>		
<b>BTUs/Hr.</b>	<b>16800/19000</b>	<b>16800/19000</b>
<b>Watts</b>	<b>4922/5567</b>	<b>4922/5567</b>
At 131 F/131 F (55 C/55 C):		
BTUs/Hr. (50/60 Hz)	16854/19081	4939/5592
W (50/60 Hz)	4939/5592	4939/5592
At 95 F/95 F (35 C/35 C):		
BTUs/Hr. (50 /60 Hz)	15240/19815	15240/19815
W (50/60 Hz)	4466/5807	4466/5807
Refrigerant	410A	410A
Refrigerant Charge (ounces/grams)	40/1132	40/1132
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.)	449/763	449/763
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	1204/2046	1204/2046
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	519/882	519/882
External loop 60 Hz (CFM / m <sup>3</sup> /hr.)	1300/2209	1300/2209
Max. Heater W (Outdoor Models)	3000	
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)	3979/4669	4370/5152
Max. Nominal Current (A at 50/60 Hz)	17.3/20.3	9.5/11.2
Starting Current (A)	54	28
Agency Approvals	cUL Listed CE	cUR Recognized CE
Power Input Description		Terminal block
ENCLOSURE PROTECTION		
UL Type		Type 12/3R/4 standard 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 M		76 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)		53.0/1346.2
Width (in./mm)		21.0/533.4
Depth (in./mm)		13.0/330.2
Weight (lb./kg)	197/90	237/108

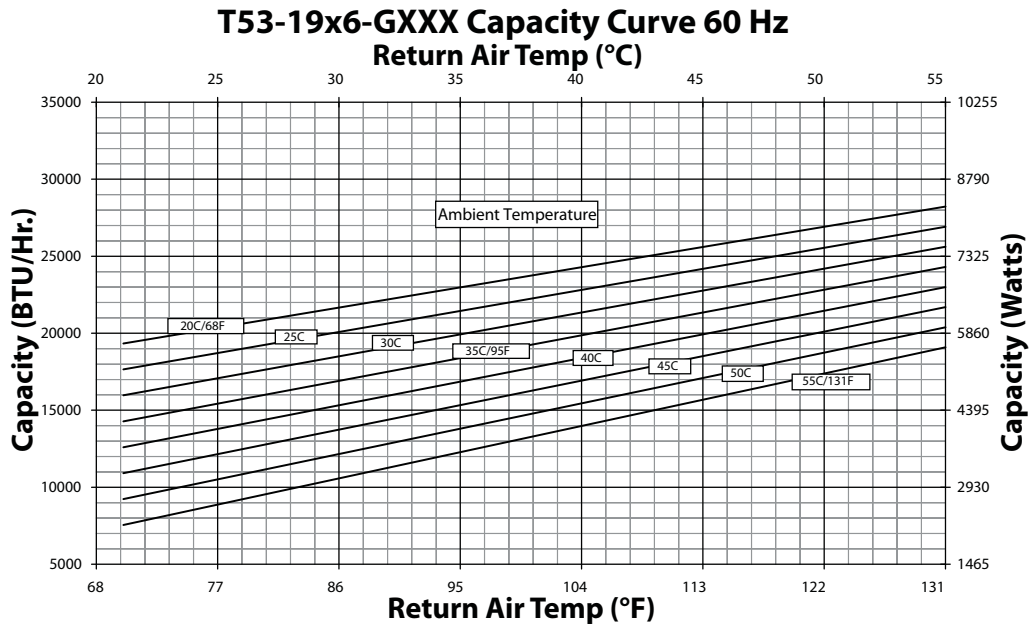
T-Series A/C

T-Series

Performance Curves for T53 Models 19000 BTU/Hr. (5567 Watt)



T-Series A/C





**T-Series**

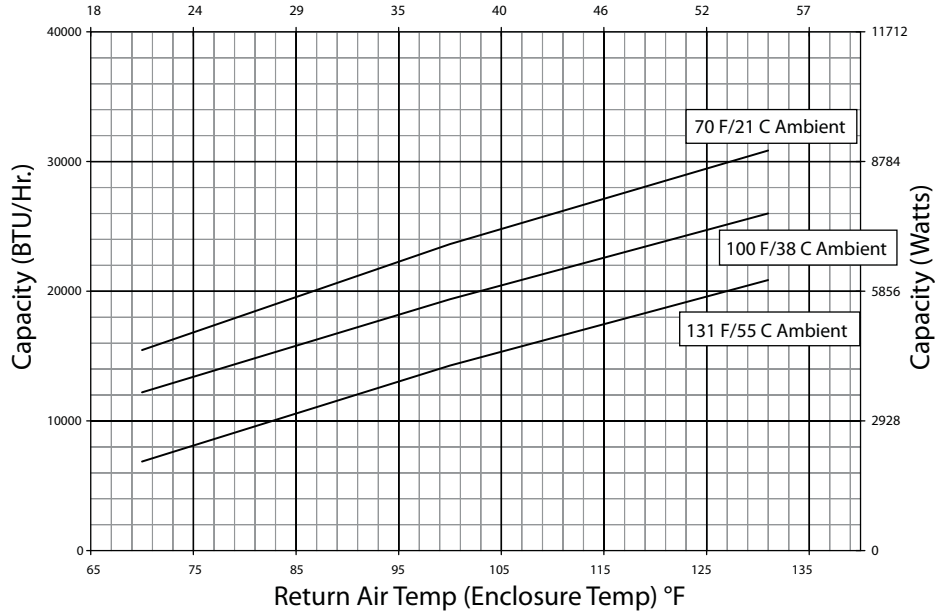
 Performance Data **T62 20000 BTU/Hr. (5860 W) Models**

<b>CATALOG NUMBER</b>		
	T622226G150	T622246G400
<b>COOLING PERFORMANCE</b>		
<b>Nominal:</b>		
<b>BTUs/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):		
BTUs/Hr. (50/60 Hz)	20860/23927	6113/7012
W (50/60 Hz)	6113/7012	6113/7012
At 95 F/95 F (35 C/35 C):		
BTUs/Hr. (50 /60 Hz)	18258/20256	18258/20256
W (50/60 Hz)	5351/5936	5351/5936
Refrigerant	R-407C	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)
<b>ELECTRICAL DATA</b>		
<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	cUL Listed CE	cUR Recognized CE
Power Input Description	Terminal block	Terminal block
<b>ENCLOSURE PROTECTION</b>		
UL Type	Type 12/3R/4 standard 4X Stainless steel optional	
<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 M	71 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)	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

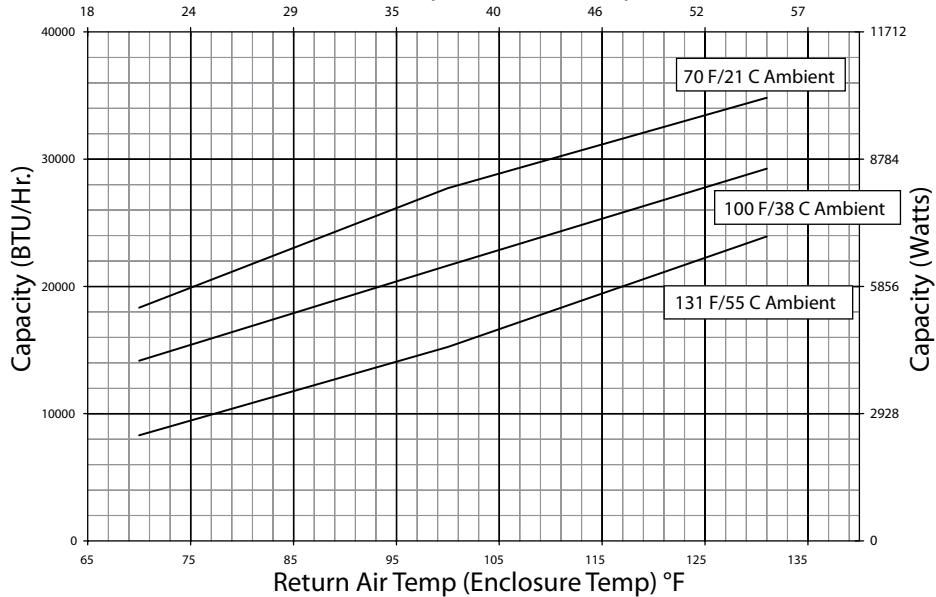
**T-Series**

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

T62-22x6-GXXX R-407c Capacity Curves 50 Hz  
Return Air Temp (Enclosure Temp) °C



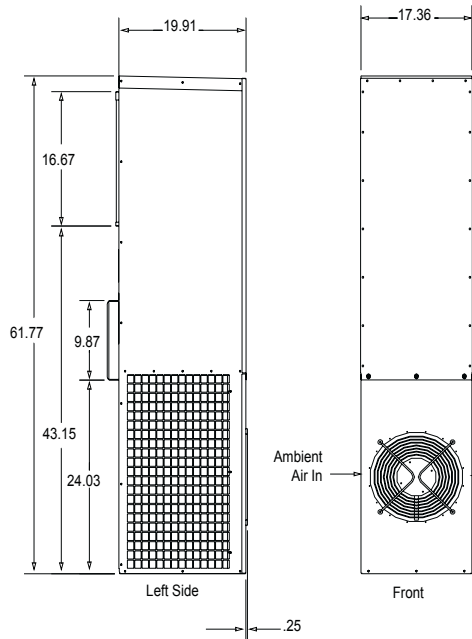
T62-22x6-GXXX R-407c Capacity Curves 60 Hz  
Return Air Temp (Enclosure Temp) °C



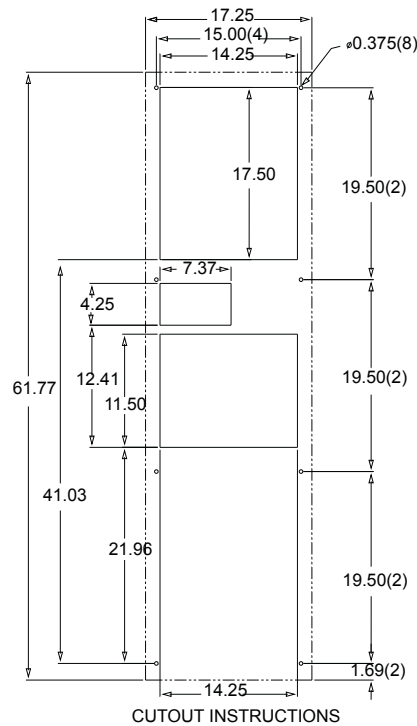
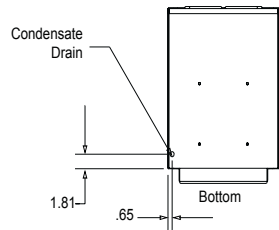
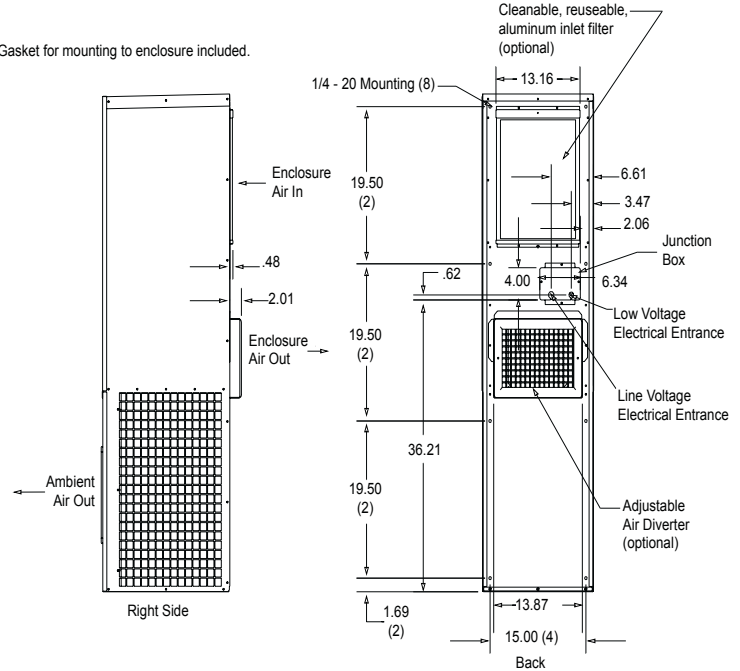
T-Series A/C

**T-Series**

T62 Models 20000 BTU/Hr. (5860 Watt)



1. Gasket for mounting to enclosure included.



NOTES:  
1. Dashed lines represent air conditioner.

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T-Series A/C

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T-Series

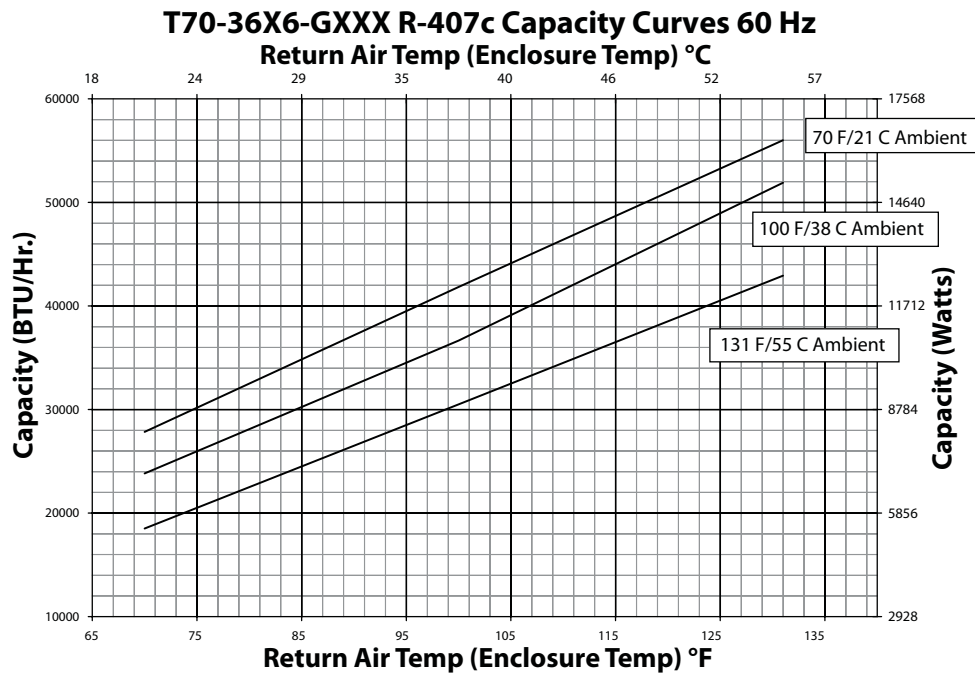
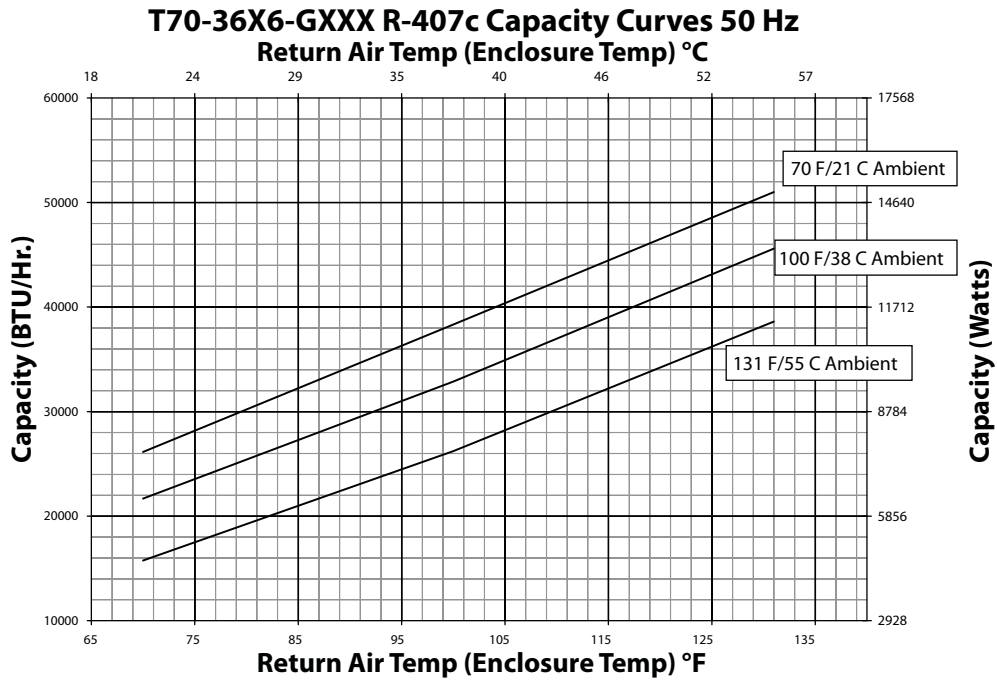
Performance Data **T70-36 36000 BTU/Hr. (10548 W) Models**

CATALOG NUMBER	T703626G150	T703646G400
<b>COOLING PERFORMANCE</b>		
<b>Nominal:</b>		
<b>BTUs/Hr.</b>	<b>39000/43000</b>	
<b>Watts</b>	<b>11430/12602</b>	
At 131 F/131 F (55 C/55 C):		
BTUs/Hr. (50/60 Hz)	38613/42930	
W (50/60 Hz)	11316/12570	
At 95 F/95 F (35 C/35 C):		
BTUs/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)	-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	cUL Listed CE Others available upon request	
Power Input Description	Terminal block	
<b>ENCLOSURE PROTECTION</b>		
UL Type	Type 12/3R/4 standard 4X Stainless steel optional UL/cUL Listed	
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 M	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	

T-Series A/C

T-Series

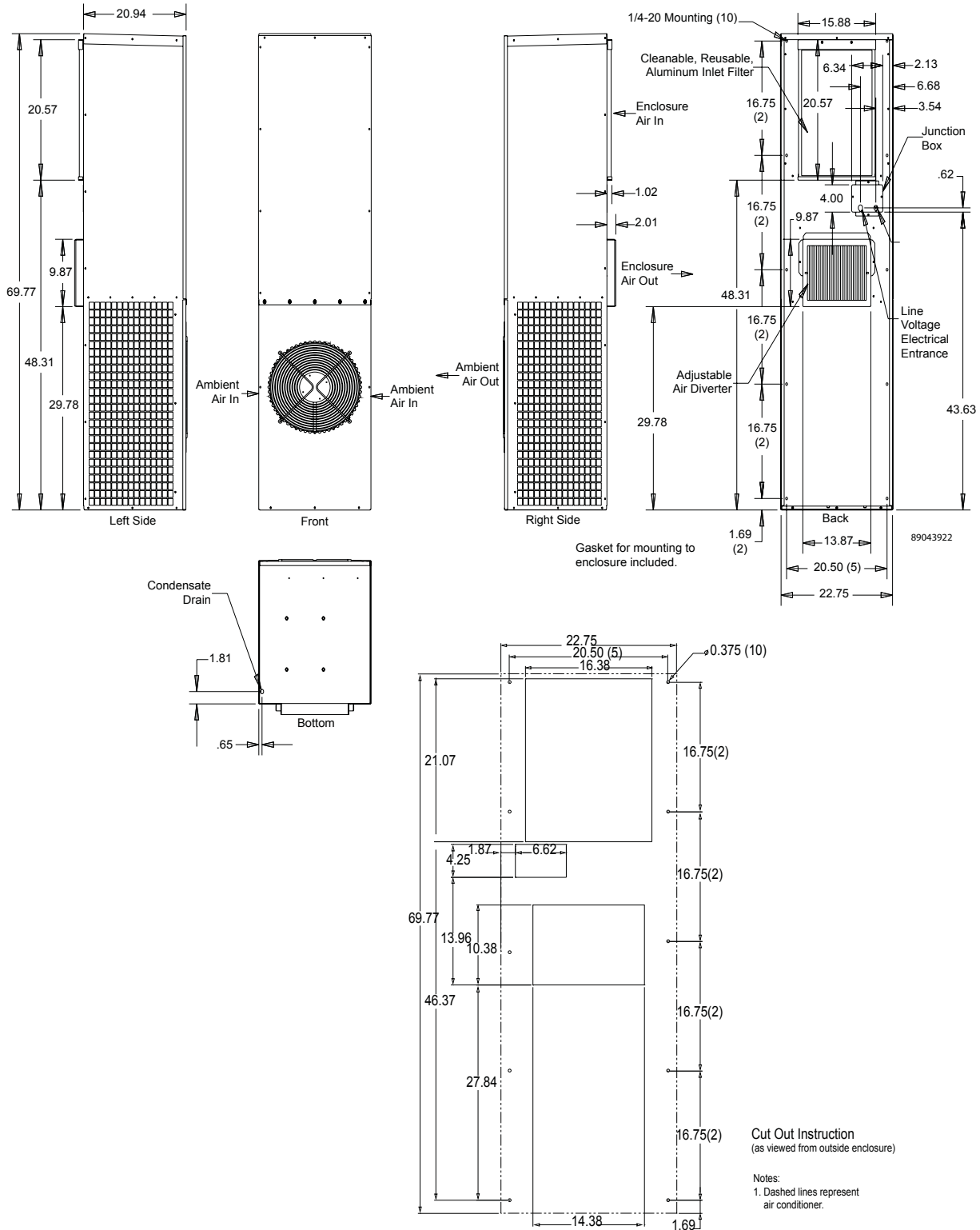
Performance Curves for T70 Models 36000 BTU/Hr. (10548 Watt)



T-Series A/C

**T-Series**

T70 Models 36000 BTU/Hr. (10548 Watt)



T-Series A/C

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**T-Series**

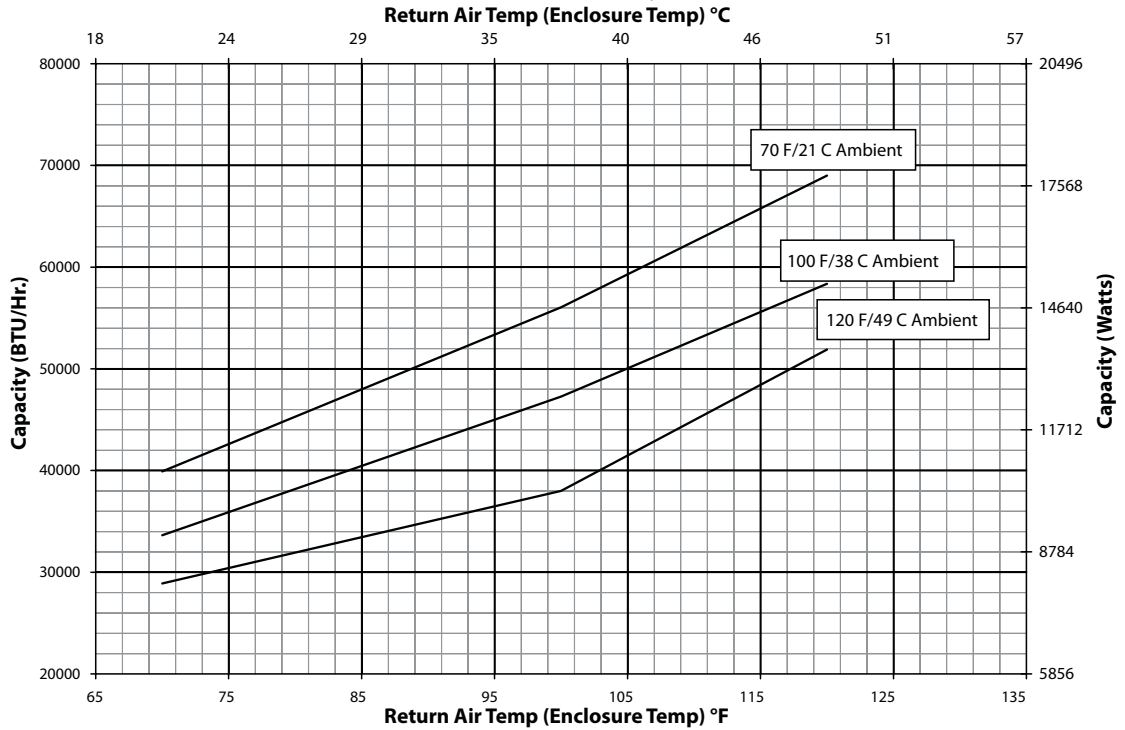
 Performance Data **T70-60 59000 BTU/Hr. (17287 W) Models**

CATALOG NUMBER	T706026G150	T706046G400
<b>COOLING PERFORMANCE</b>		
<b>Nominal:</b>		
<b>BTUs/Hr.</b>	<b>51900/60000</b>	
<b>Watts</b>	<b>15210/17584</b>	
At 122 F/122 F (50 C/50 C):		
BTUs/Hr. (50/60 Hz)	51900/60000	
W (50/60 Hz)	15210/17584	
At 95 F/95 F (35 C/35 C):		
BTUs/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>		
<b>Rated Voltage</b>	<b>200/230</b>	<b>420/460</b>
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	cUL Listed CE Others available upon request	
Power Input Description	Terminal block	
<b>ENCLOSURE PROTECTION</b>		
UL Type	Type 12/3R/4 standard 4X Stainless steel optional	
International Rating	IP56 on the internal loop; IP34 on the external loop	
Description	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 M	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	

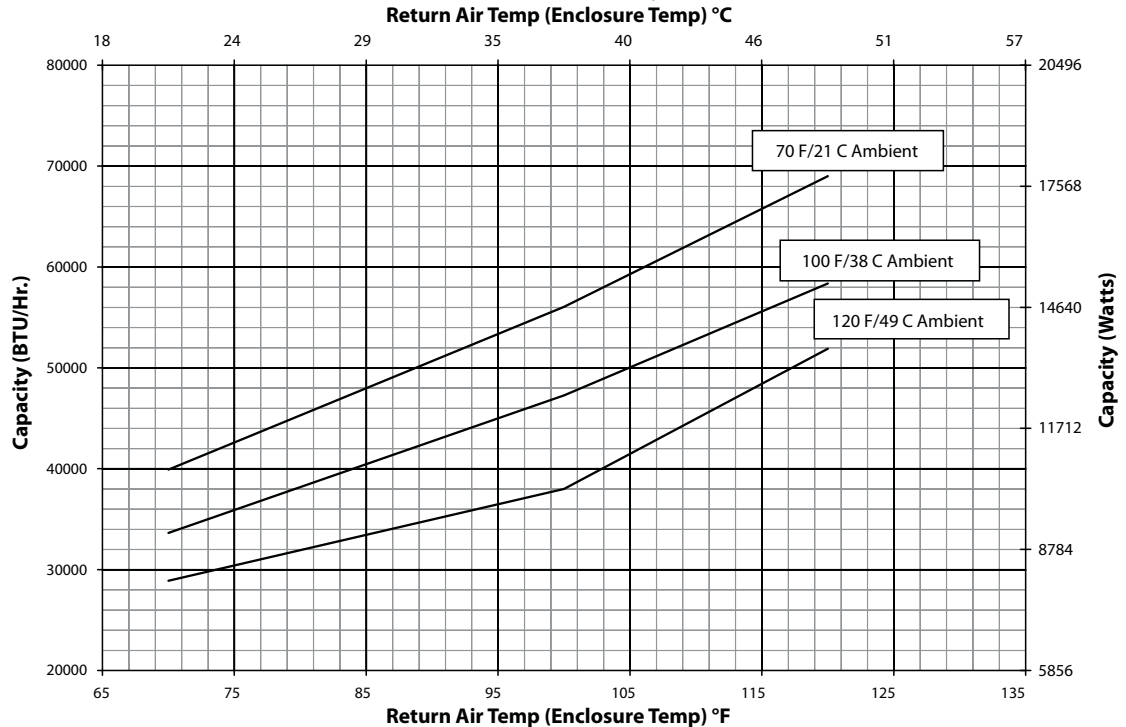
**T-Series**

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

**T70-60X6-GXXX R-407c Capacity Curves 50 Hz**



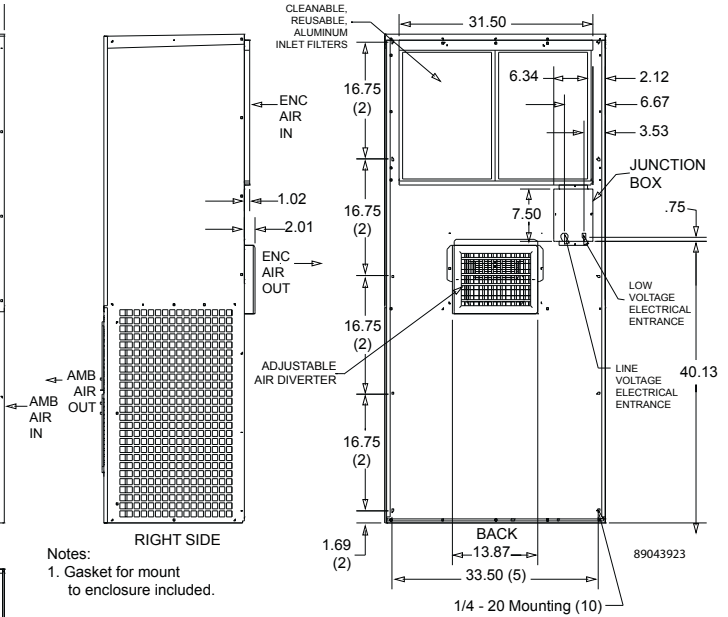
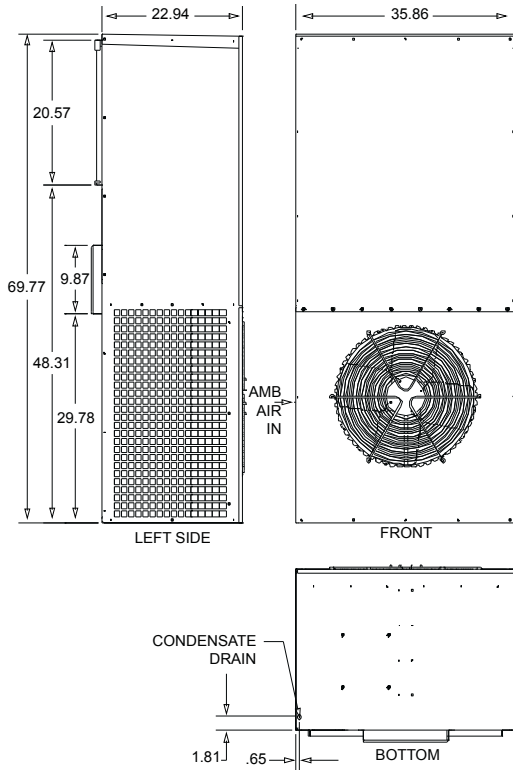
**T70-60X6-GXXX R-407c Capacity Curves 60 Hz**



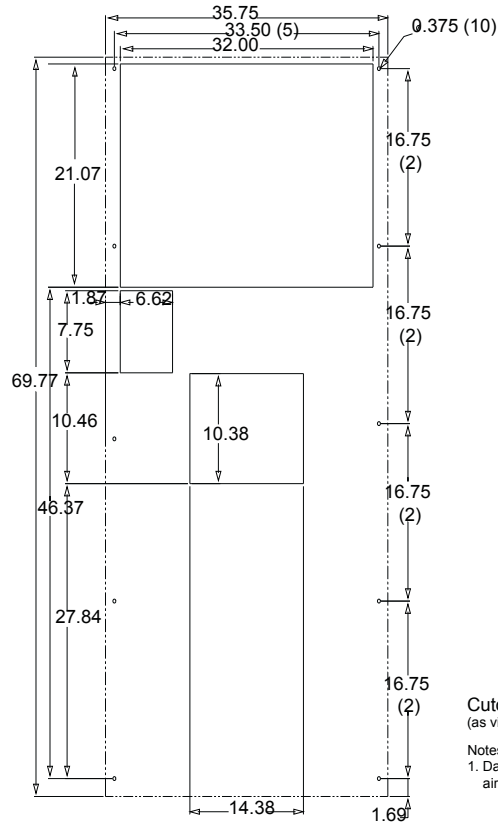
T-Series A/C

T-Series

T70 Models 59000 BTU/Hr. (17287 Watt)



Notes:  
1. Gasket for mount to enclosure included.



Cutout Instruction  
(as viewed from outside enclosure)

Notes:  
1. Dashed lines represent air conditioner.

T-Series A/C

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