

T-SERIES MID-SIZE OUTDOOR


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

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
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
- Models for 115, 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

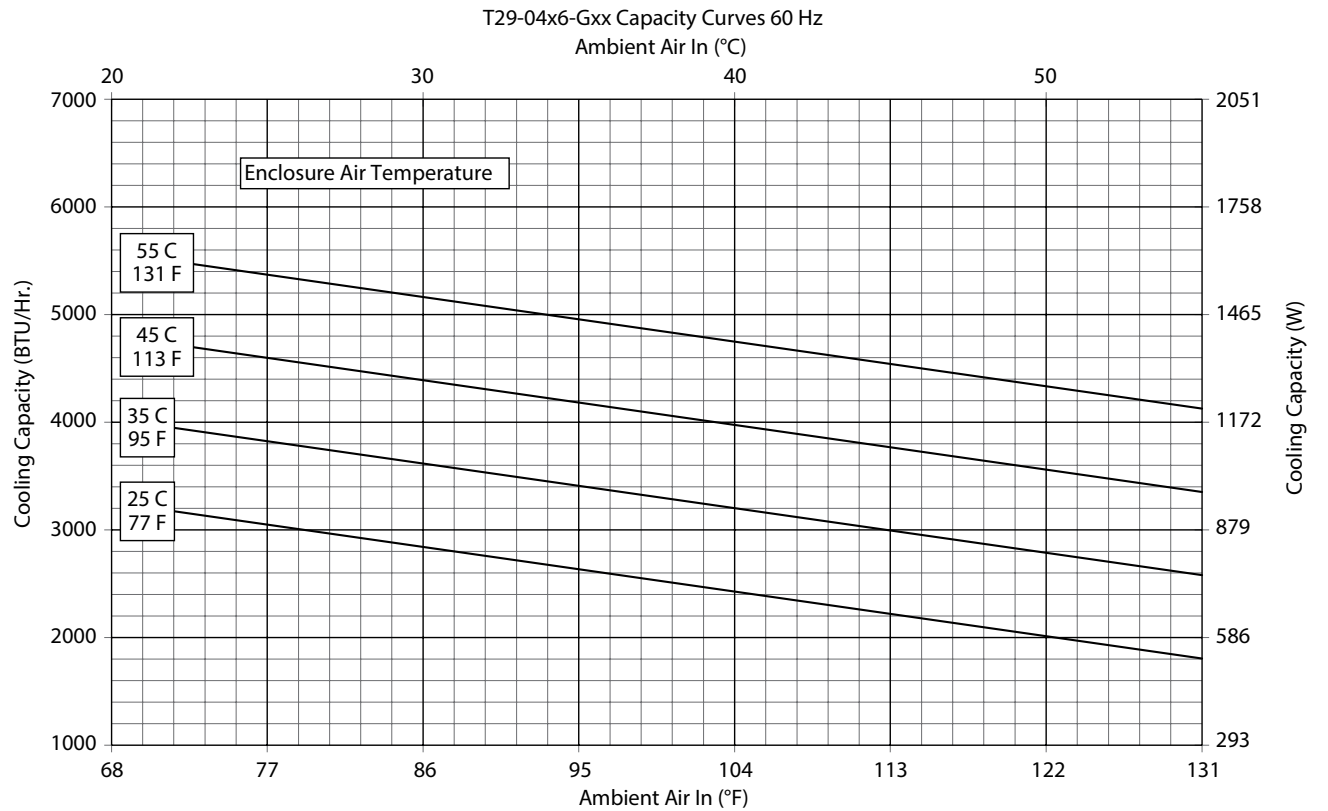
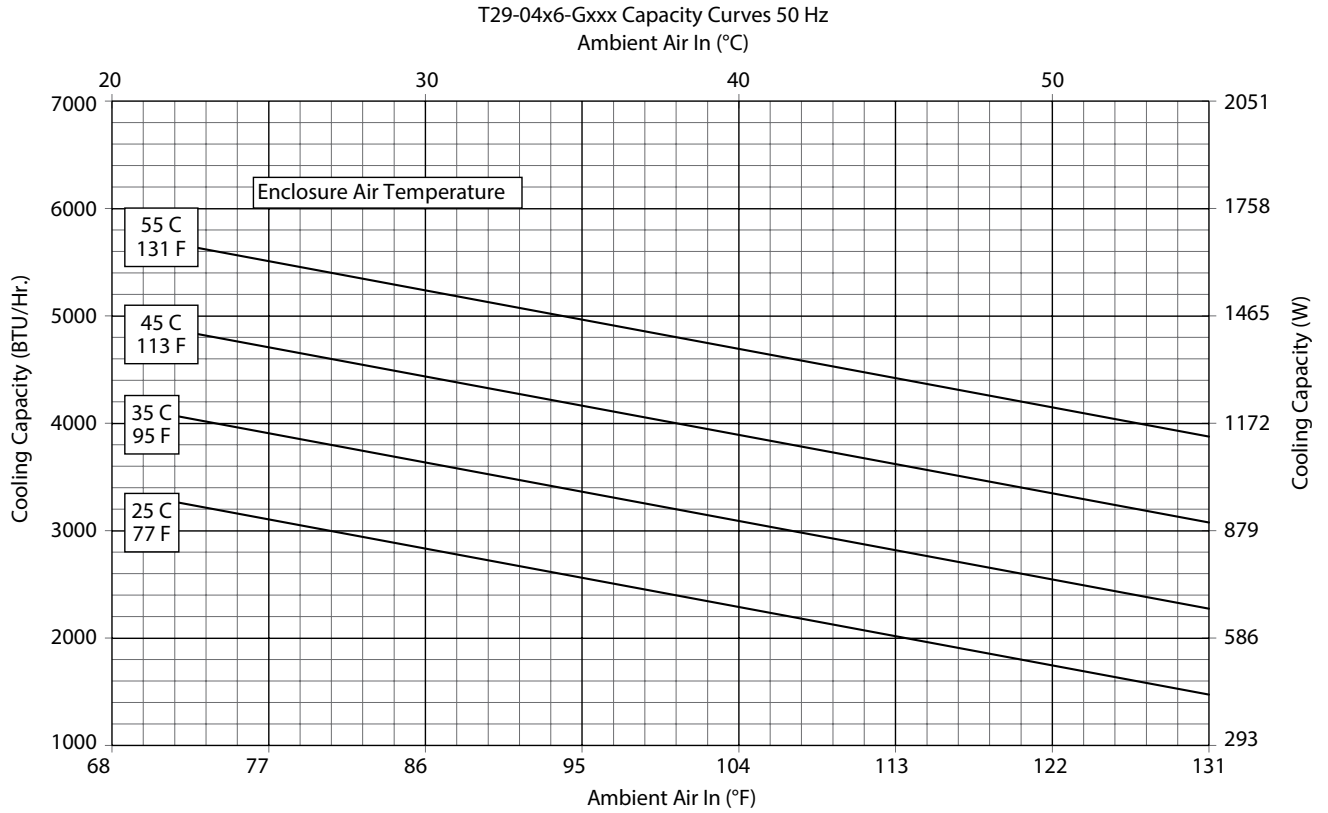
OPTIONS

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

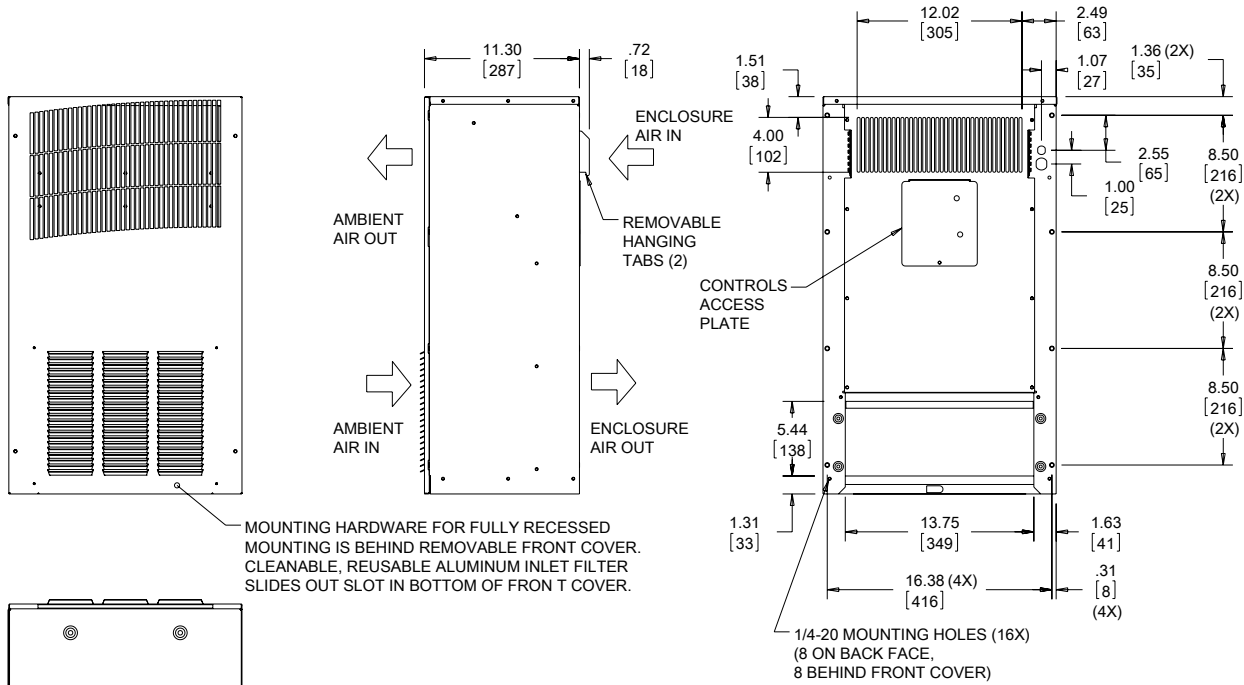
Performance Data **T29 4000 BTU/Hr. (1173 Watt) Models**

CATALOG NUMBER			
Outdoor Model without Heat Pkg.	T290416G100	T290426G100	T290446G400
Outdoor Model with Heat Pkg.	T290416G150	T290426G150	—
Outdoor Model/SST/Corrosion/4X	T290416G159	T290426G161	—
Outdoor Model/SST/Corrosion/4X/Heater	T290416G156	T290426G160	T290446G403
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	3600/4000	3600/4000	3600/4000
Watts	1055/1172	1055/1172	1055/1172
At 131 F/131 F (55 C/55 C):			
BTU/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):			
BTU/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)	12.5/354	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 ³ /hr.)	172/292	172/292	172/292
External loop 50 Hz (CFM / m ³ /hr.)	195/331	195/331	195/331
Internal loop 60 Hz (CFM / m ³ /hr.)	205/348	205/348	205/348
External loop 60 Hz (CFM / m ³ /hr.)	235/399	235/399	235/399
Max. Heater W (Outdoor Models)	1000	1000	
ELECTRICAL DATA			
Rated Voltage	115	230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1163/1222	1587/1564	1748
Max. Nominal Current (A at 50/60 Hz)	13.8/12.8	6.9/6.8	3.8
Starting Current ()	48	23	12
Agency Approvals	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC
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
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	67 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)	29/737		29/737
Width (in./mm)	17/432		17/432
Depth (in./mm)	11.3/287		11.3/287
Weight (lb./kg)	107/48.6		127/58

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

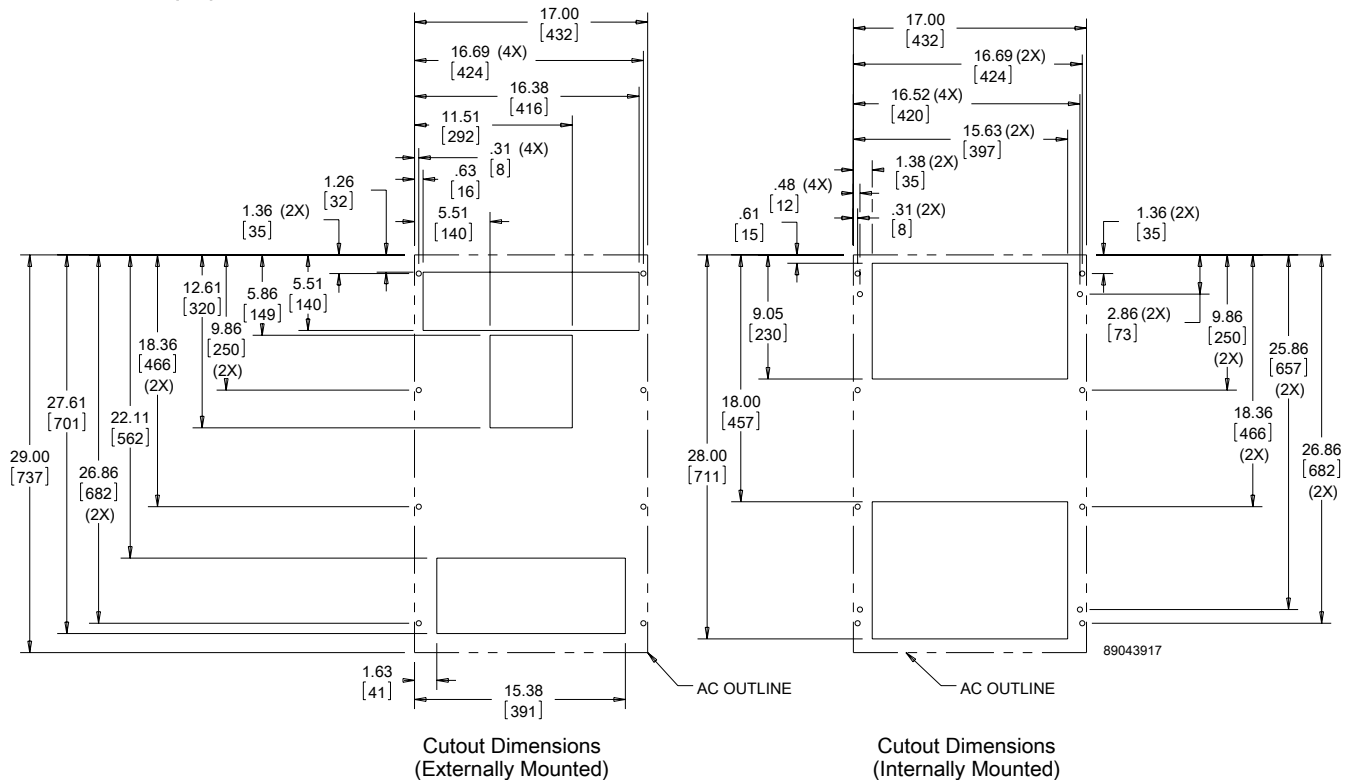


T29 Models 4000 BTU/Hr. (1173 Watt)



MOUNTING HARDWARE FOR FULLY RECESSED MOUNTING IS BEHIND REMOVABLE FRONT COVER. CLEANABLE, REUSABLE ALUMINUM INLET FILTER SLIDES OUT SLOT IN BOTTOM OF FRONT COVER.

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



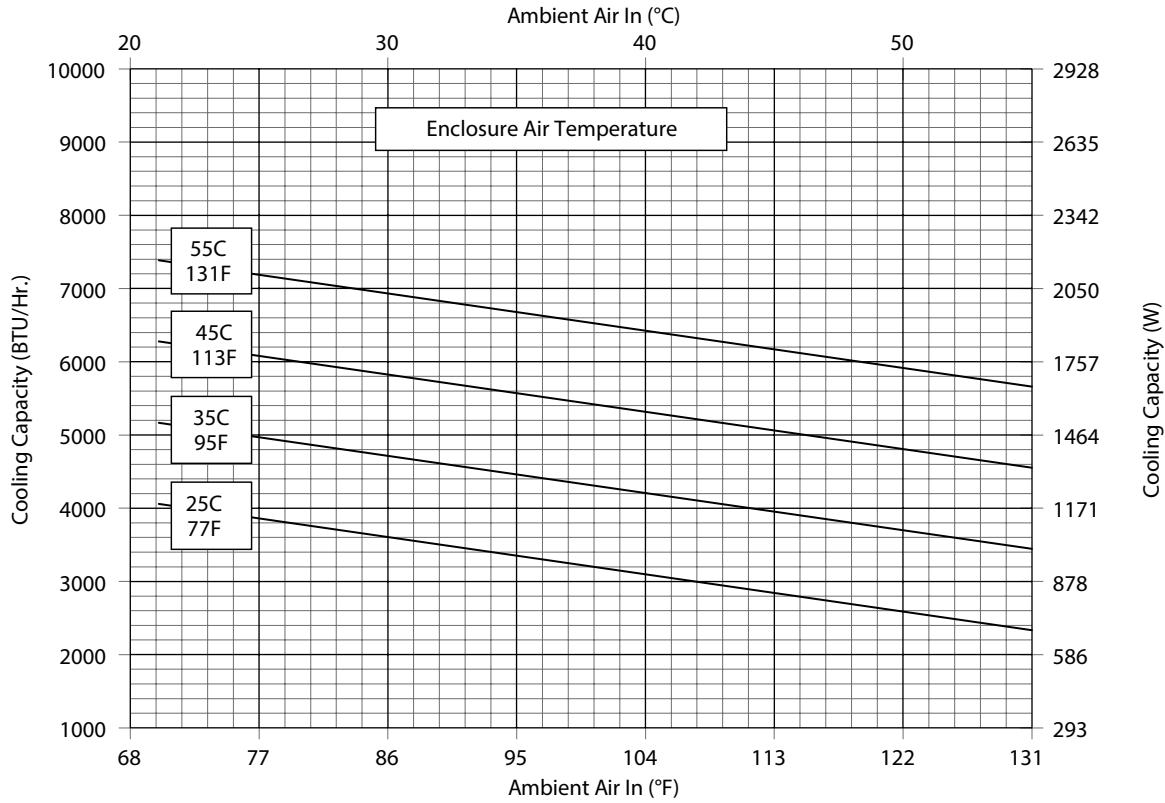
Visit www.nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.

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

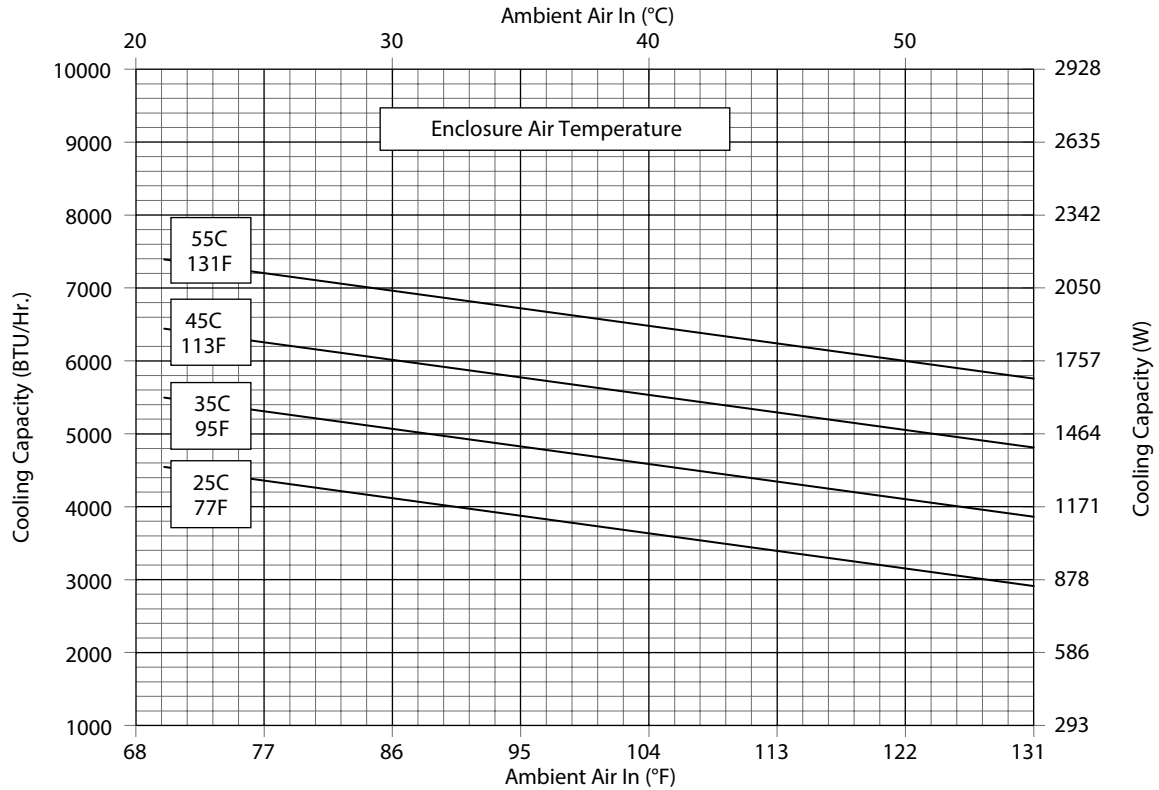
CATALOG NUMBER			
Outdoor Model without Heat Pkg.	T430616G100	T430626G100	T430646G400
Outdoor Model with Heat Pkg.	T430616G150	T430626G150	T430626G153
Outdoor Model/SST/Corrosion/4X	T430616G102	T430626G159	—
Outdoor Model/SST/Corrosion/4X/Heater	—	—	—
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	6080/6303	6400/6600	6400/6600
Watts	1782/1846	1876/1934	1876/1934
At 131 F/131 F (55 C/55 C):			
BTU/Hr. (50/60 Hz)	6080/6300	6415/6607	6415/6607
W (50/60 Hz)	1782/1847	1880/1936	1880/1936
At 95 F/95 F (35 C/35 C):			
BTU/Hr. (50 /60 Hz)	5224/5474	5269/5572	5269/5572
W (50/60 Hz)	1531/1604	1544/1633	1544/1633
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	35/992	36/1021	36/1021
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 ³ /hr.)	310/527	310/527	310/527
External loop 50 Hz (CFM / m ³ /hr.)	345/586	345/586	345/586
Internal loop 60 Hz (CFM / m ³ /hr.)	320/544	320/544	320/544
External loop 60 Hz (CFM / m ³ /hr.)	355/603	355/603	355/603
Max. Heater W (Outdoor Models)	1000	1000	N/A
ELECTRICAL DATA			
Rated Voltage	115	230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	798/862	869/950	869/950
Max. Nominal Current (A at 50/60 Hz)	7.9/7.7	4.2/4.2	2.3/2.3
Starting Current (A)	39.5	21	12
Agency Approvals	UL/cUL Listed CE EAC		cUR Recognized CE EAC
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
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		
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	65.7 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)	43/1092		
Width (in./mm)	15.75/400		
Depth (in./mm)	10.9/279		
Weight (lb./kg)	125/57		

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

T43-0616-G150 Capacity Curves 50 Hz

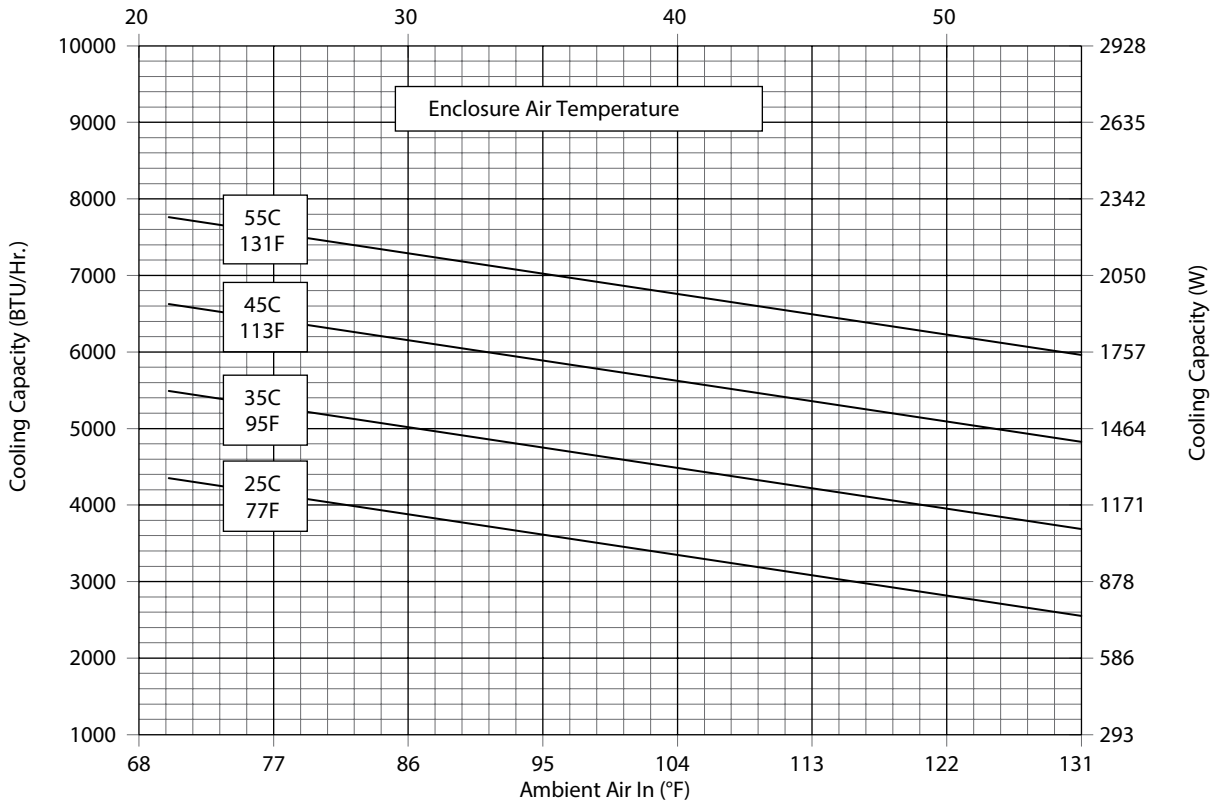


T43-0616-G150 Capacity Curves 60 Hz

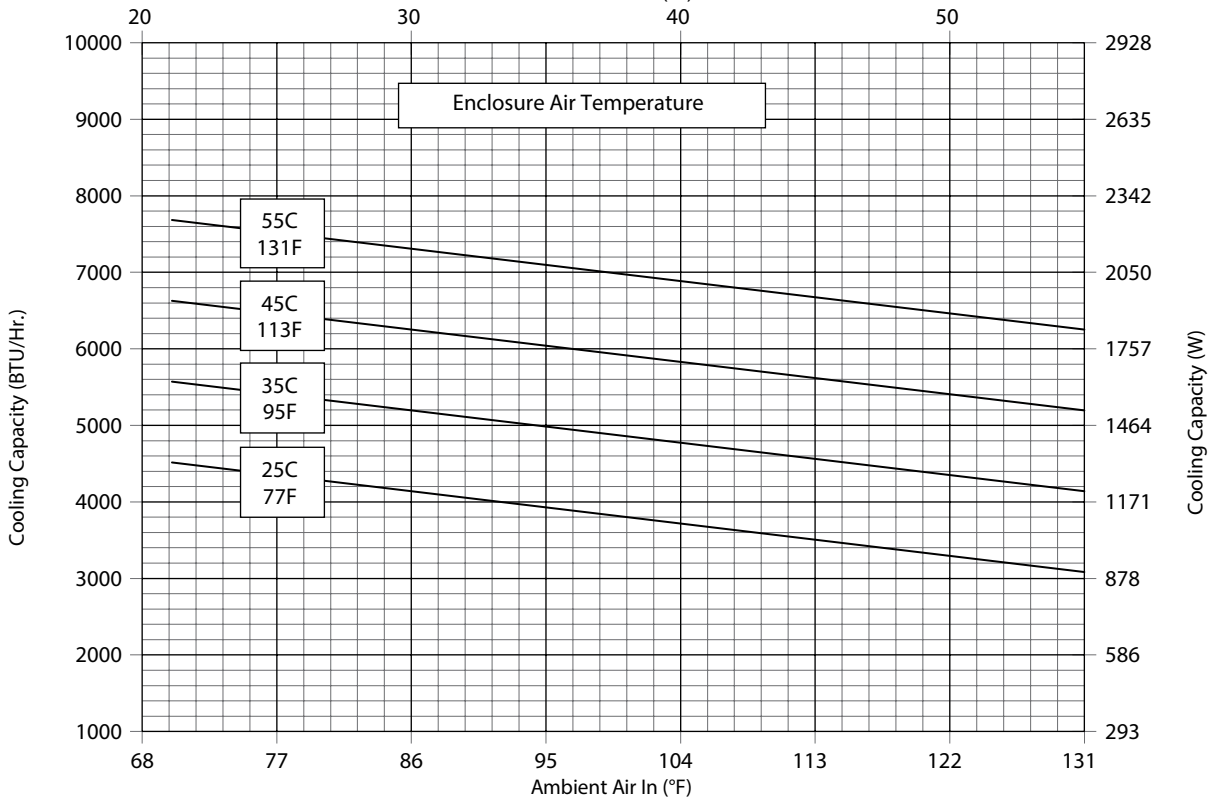


Performance Curves for T43 Models 6000 BTU/Hr. (1758 Watt)

T43-06X6-G150 Capacity Curves 50 Hz
Ambient Air In (°C)



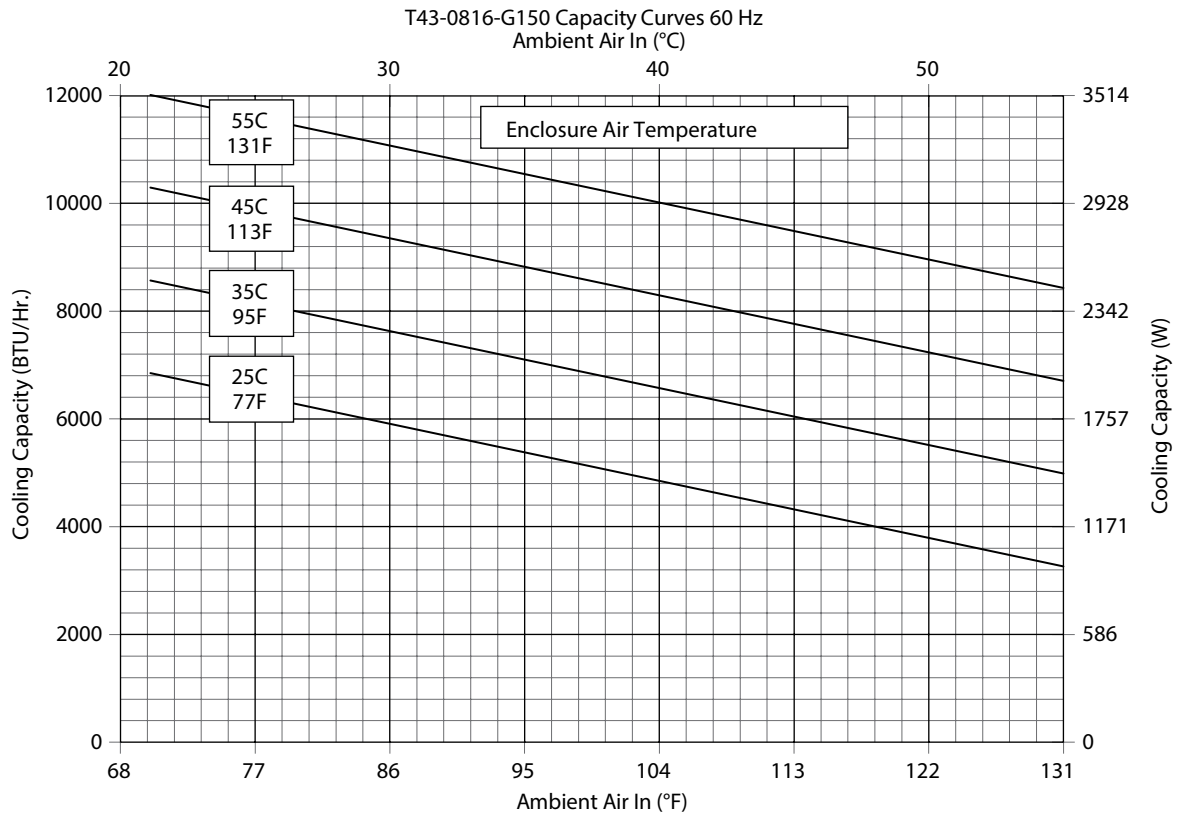
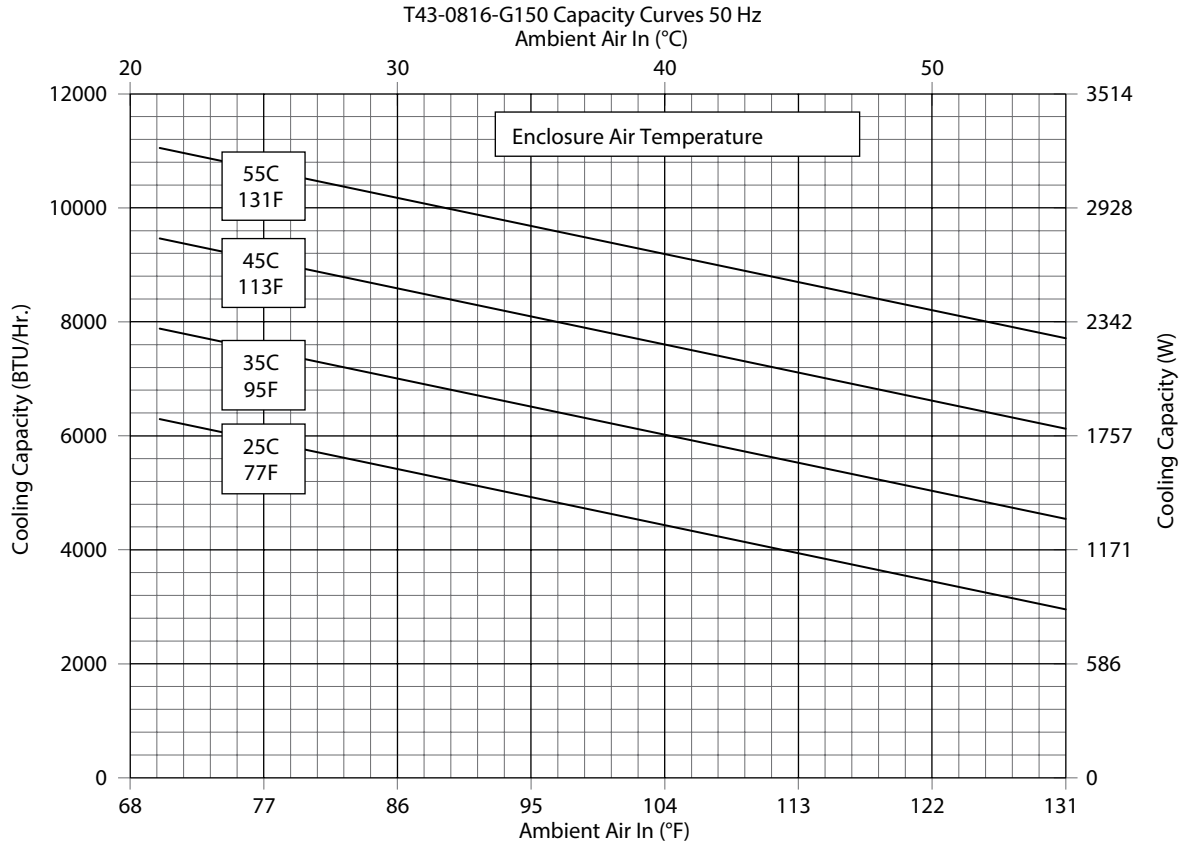
T43-06X6-G150 Capacity Curves 60 Hz
Ambient Air In (°C)



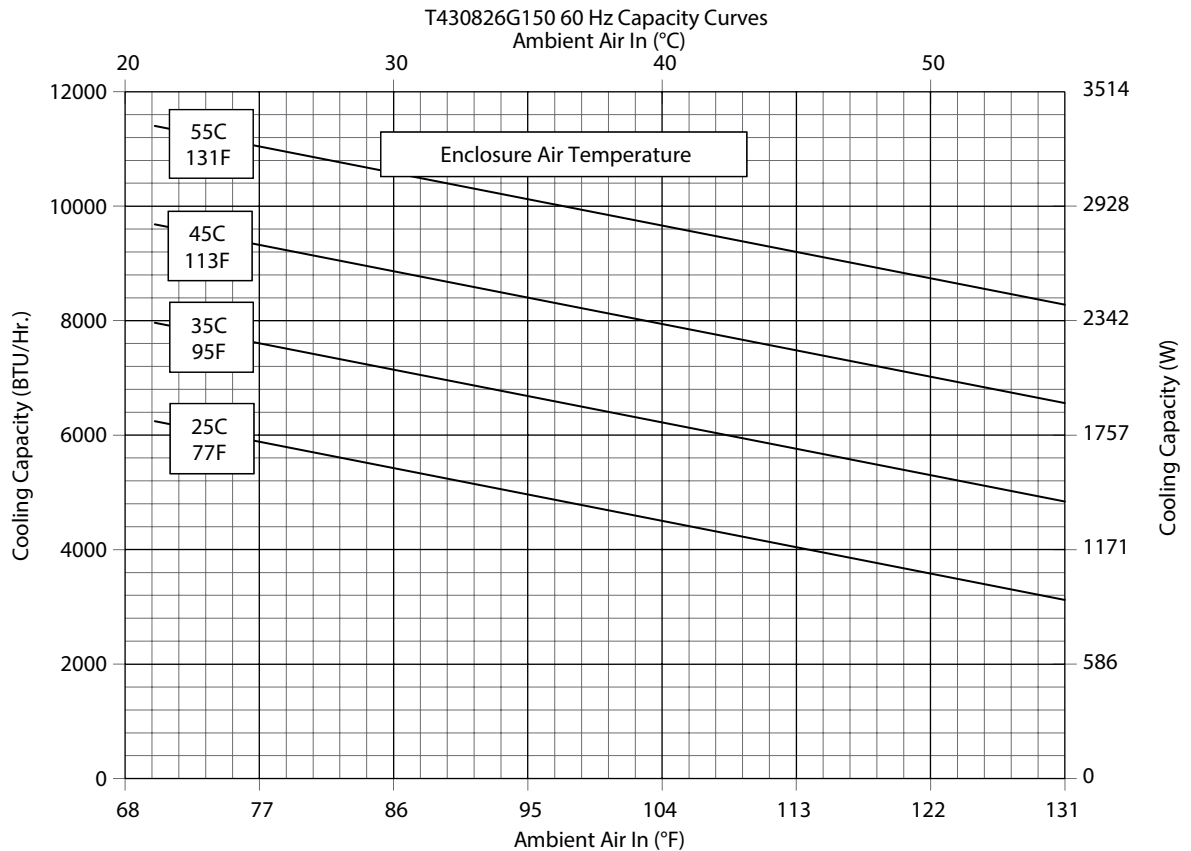
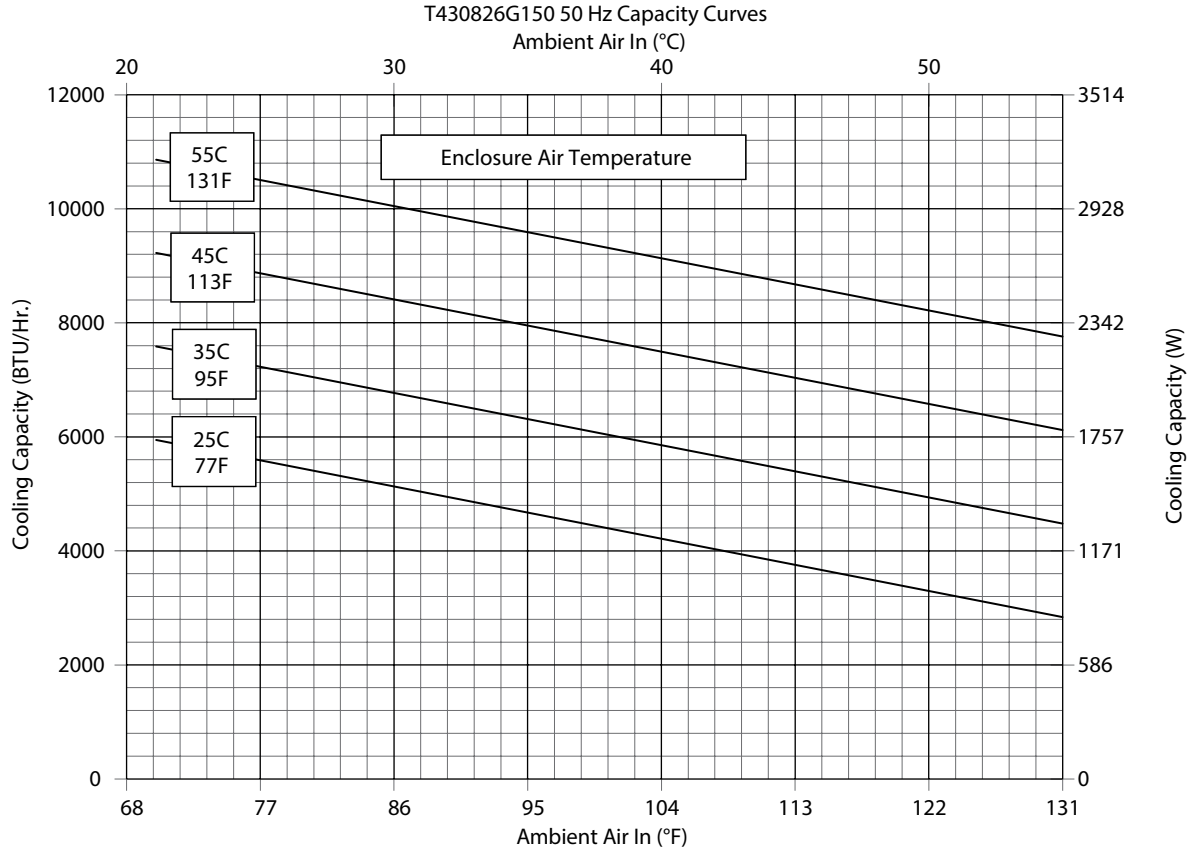
Performance Data **T43 8000 BTU/Hr. (2344 Watt) Models**

CATALOG NUMBER			
Outdoor Model without Heat Pkg.	T430816G100	T430826G100	T430846G400
Outdoor Model with Heat Pkg.	T430816G150	T430826G150	T430846G403
Outdoor Model/SST/Corrosion/4X	T430816G153	T430826G108	T430846G402
Outdoor Model/SST/Corrosion/4X/Heater	—	—	—
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	7400/8100	7600/8200	7600/8200
Watts	2169/2374	2227/2403	2227/2403
At 131 F/131 F (55 C/55 C):			
BTU/Hr. (50/60 Hz)	7432/8149	7624/8176	7624/8176
W (50/60 Hz)	2178/2388	2234/2396	2234/2396
At 95 F/95 F (35 C/35 C):			
BTU/Hr. (50 /60 Hz)	6481/7224	6177/6711	6177/6711
W (50/60 Hz)	1899/2117	1810/1967	1810/1967
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	25/709	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 ³ /hr.)	273/464	273/464	273/464
External loop 50 Hz (CFM / m ³ /hr.)	365/620	310/527	310/527
Internal loop 60 Hz (CFM / m ³ /hr.)	290/493	290/493	290/493
External loop 60 Hz (CFM / m ³ /hr.)	409/695	315/535	315/535
Max. Heater W (Outdoor Models)	1000	1000	N/A
ELECTRICAL DATA			
Rated Voltage	115	230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1084/1285	1079/1328	1079/1328
Max. Nominal Current (A at 50/60 Hz)	9.8/11.2	4.9/6.2	2.5/3.1
Starting Current (A)	38	21	11
Agency Approvals	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC
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
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		
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	72.2 dB(A)	65.7 dB(A)	65.7 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)	43/1092		
Width (in./mm)	15.75/400		
Depth (in./mm)	10.9/279		
Weight (lb./kg)	125/57		

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



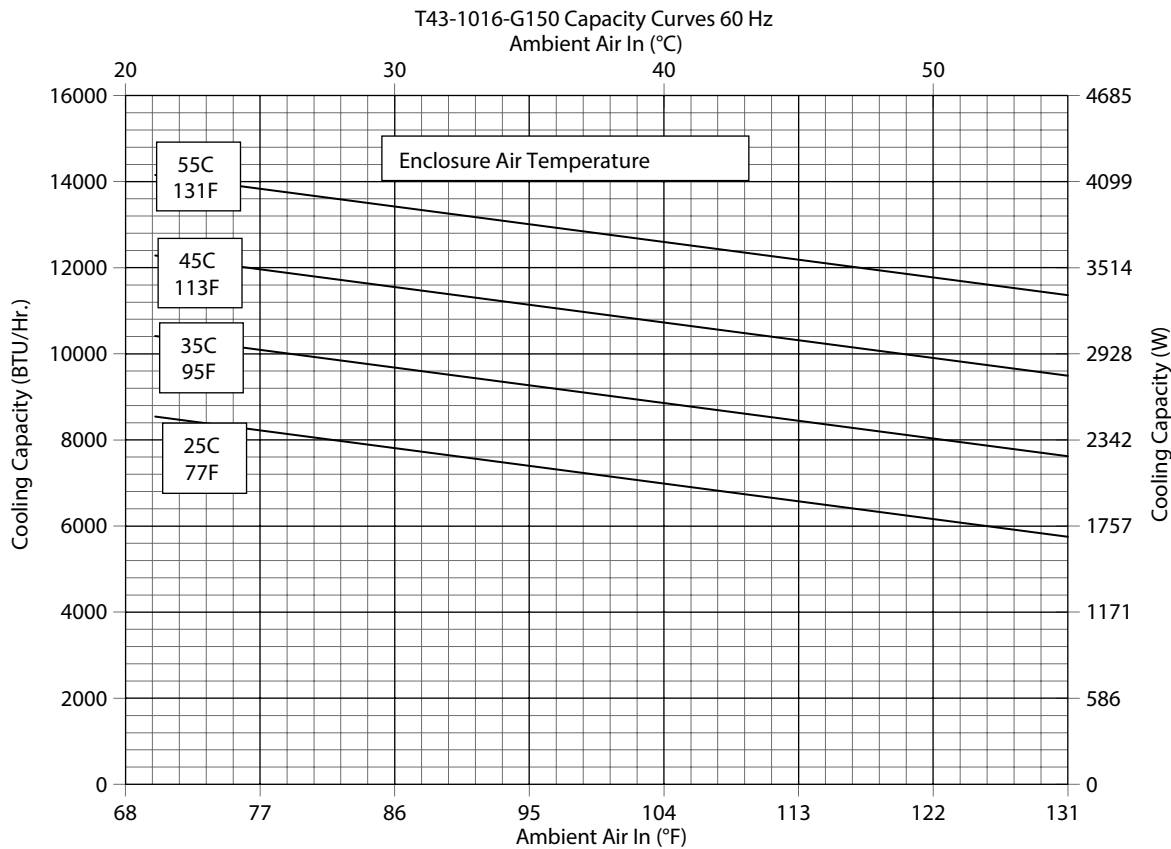
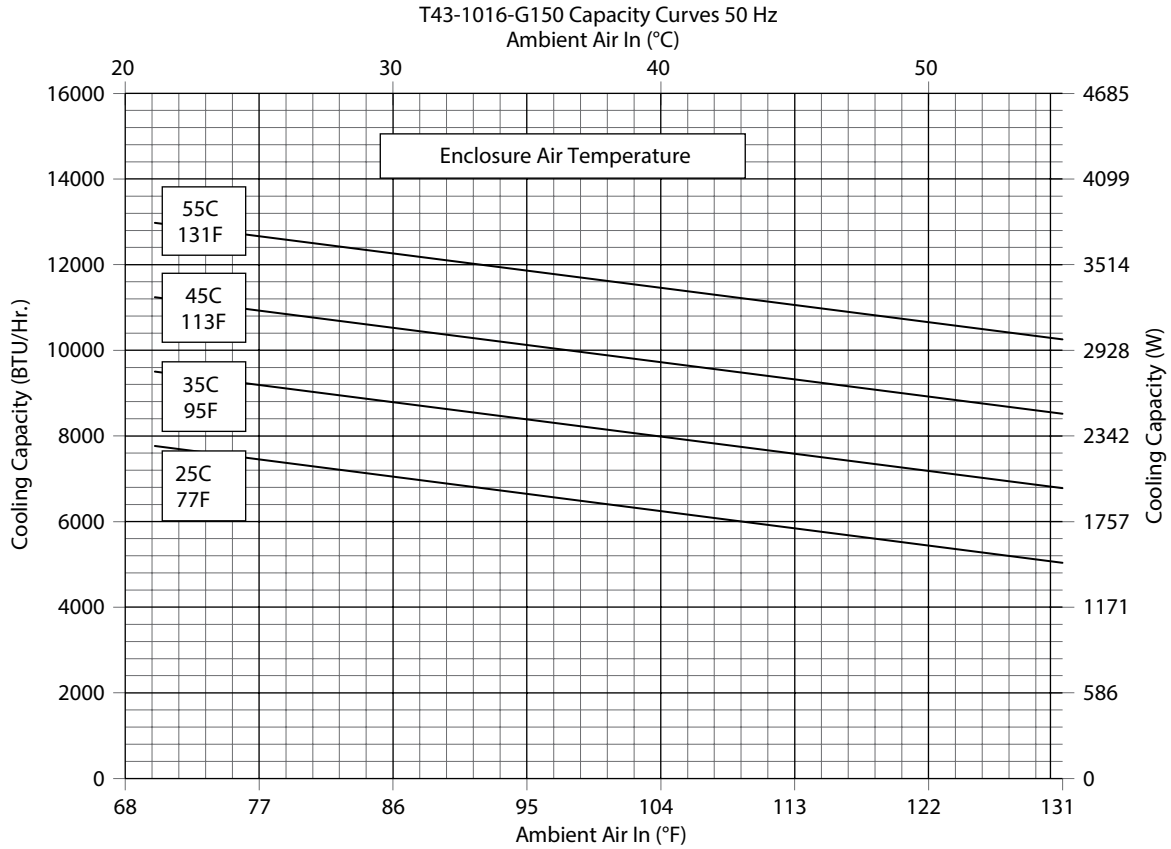
Performance Curves for T43 Models 8000 BTU/Hr. (2344 Watt)



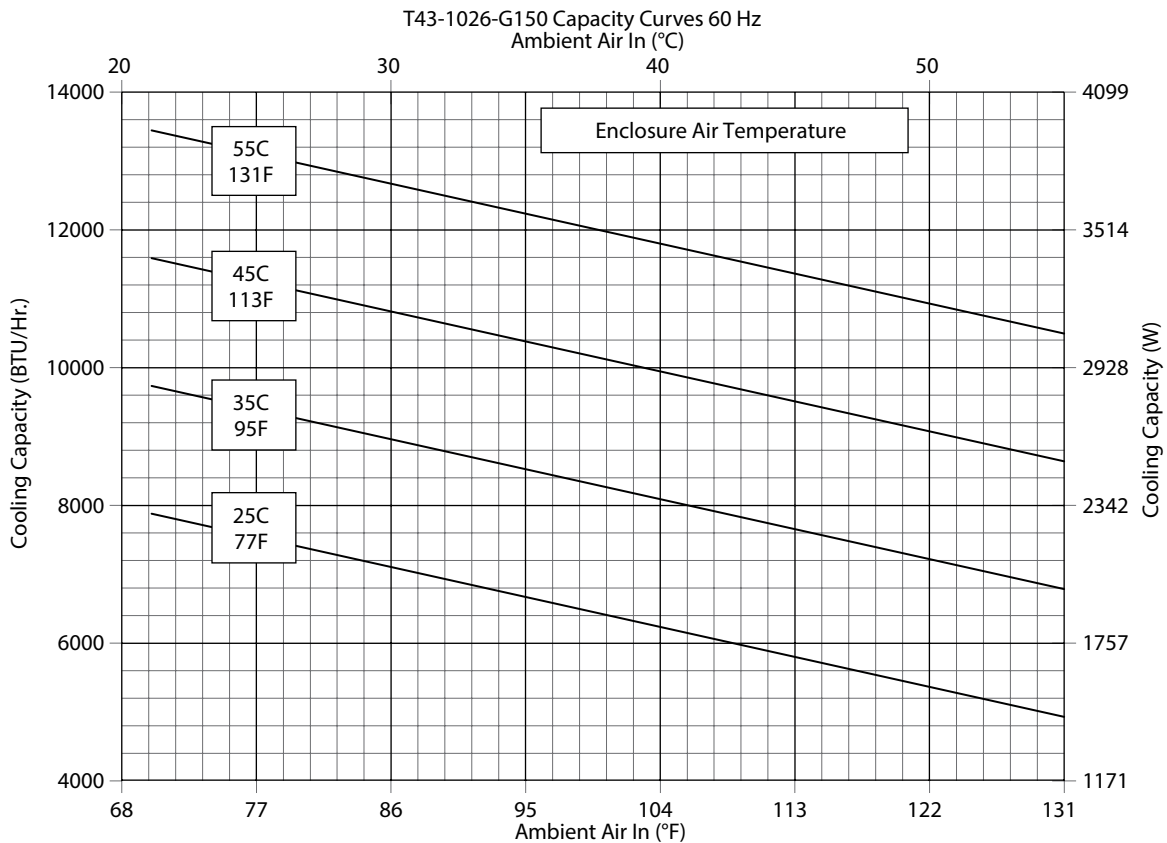
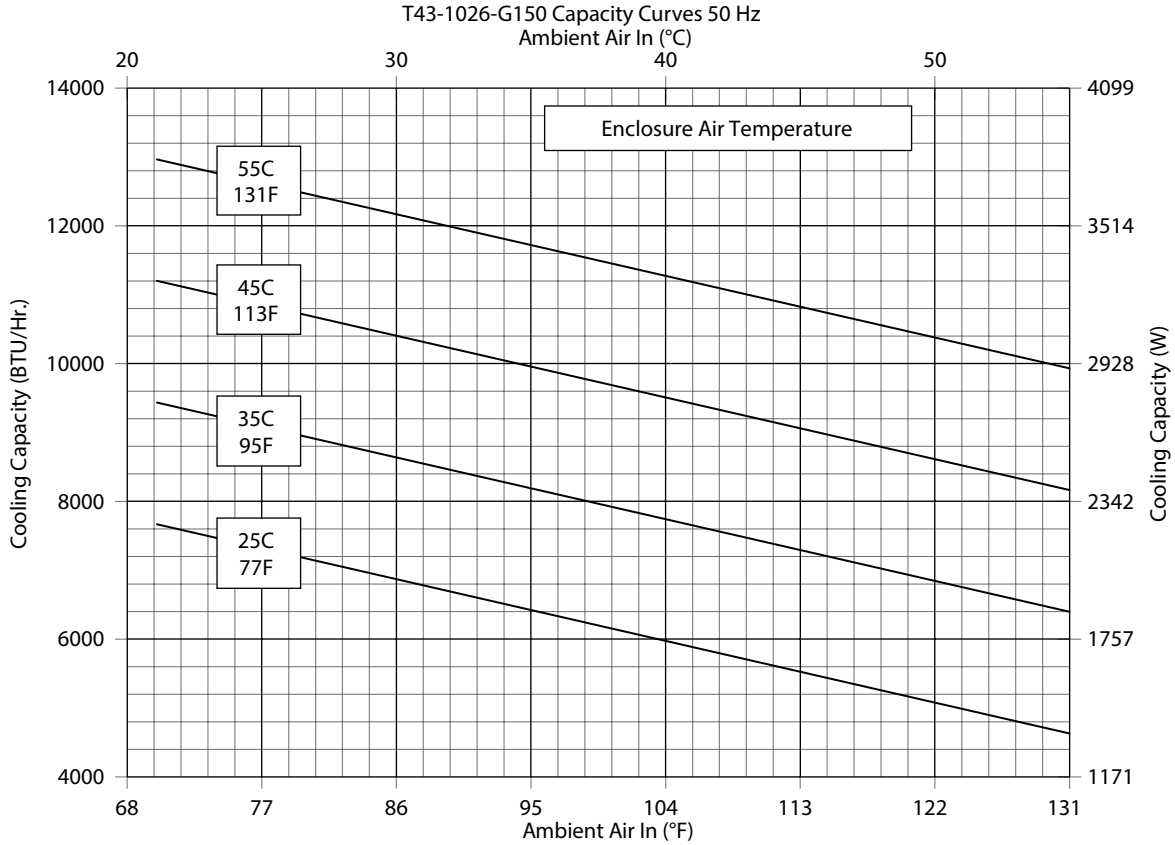
Performance Data T43 10000 BTU/Hr. (2930 Watt) Models

CATALOG NUMBER			
Outdoor Model without Heat Pkg.	T431016G100	T431026G100	T431046G400
Outdoor Model with Heat Pkg.	T431016G150	T431026G150	—
Outdoor Model/SST/Corrosion/4X	T431016G102	T431026G104	T431046G406
Outdoor Model/SST/Corrosion/4X/Heater	T431016G153	T431026G152	—
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	10000/11000	9700/10200	9700/10200
Watts	2931/3224	2843/2989	2843/2989
At 131 F/131 F (55 C/55 C):			
BTU/Hr. (50/60 Hz)	10093/11092	9756/10251	9756/10251
W (50/60 Hz)	2958/3251	2859/3004	2859/3004
At 95 F/95 F (35 C/35 C):			
BTU/Hr. (50/60 Hz)	8333/9298	8015/8381	8015/8381
W (50/60 Hz)	2442/2725	2349/2456	2349/2456
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	35/992	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 ³ /hr.)	272/462	320/544	320/544
External loop 50 Hz (CFM / m ³ /hr.)	510/866	568/965	568/965
Internal loop 60 Hz (CFM / m ³ /hr.)	290/493	330/561	330/561
External loop 60 Hz (CFM / m ³ /hr.)	565/960	636/1081	636/1081
Max. Heater W (Outdoor Models)	1000	1000	N/A
ELECTRICAL DATA			
Rated Voltage	115	230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	1774/2350	1777/2196	1777/2196
Max. Nominal Current (A at 50/60 Hz)	16.2/21.0	7.8/9.5	4.3/5.3
Starting Current (A)	60	30	17
Agency Approvals	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC
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
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		
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	73.3 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)	43/1092		
Width (in./mm)	15.75/400		
Depth (in./mm)	10.9/279		
Weight (lb./kg)	125/57		

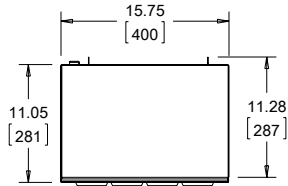
Performance Curves for T43 Models 10000 BTU/Hr. (2930 Watt)



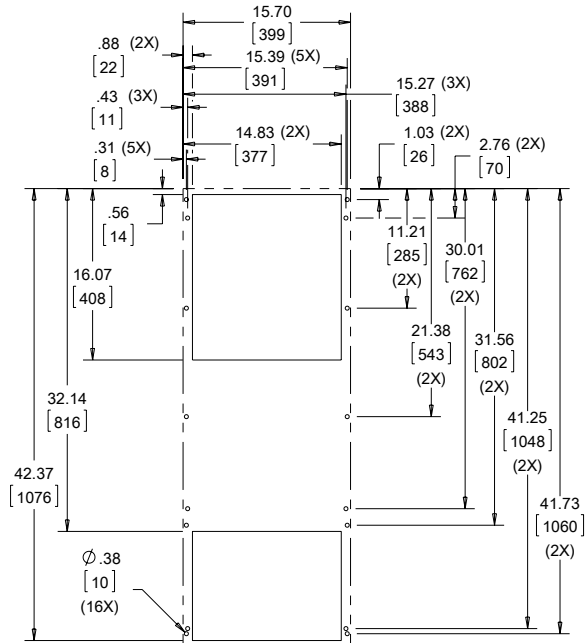
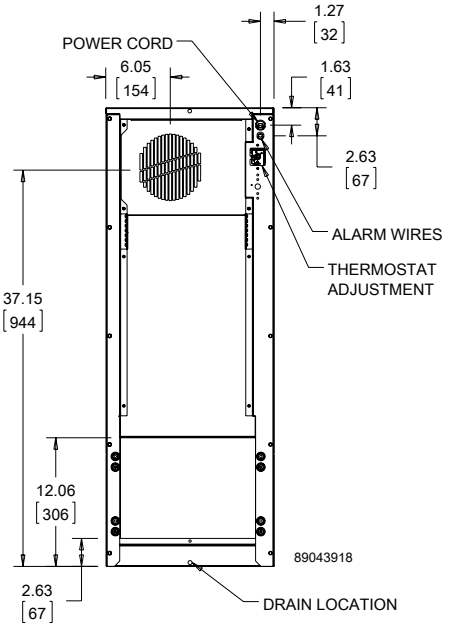
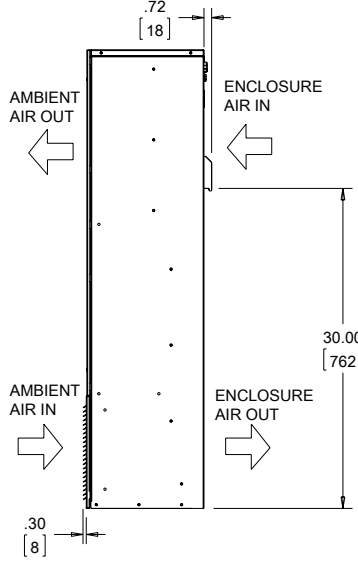
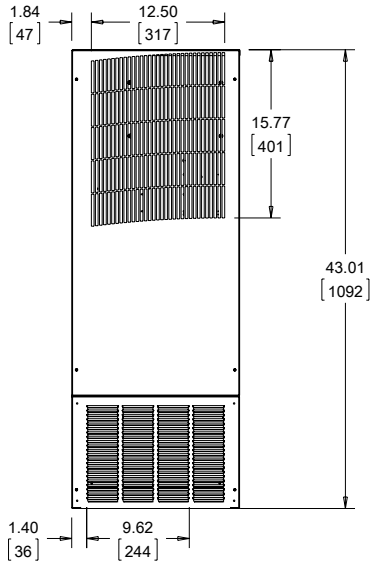
Performance Curves for T43 Models 10000 BTU/Hr. (2930 Watt)



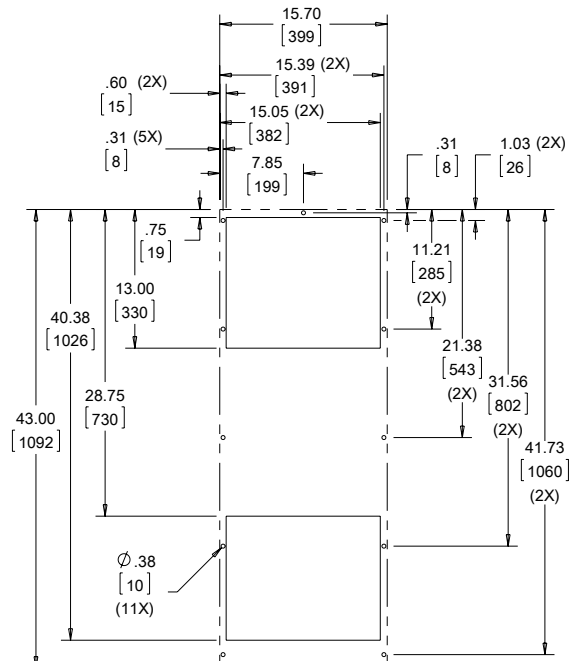
T43 6000-10000 Models BTU/HR. (1758 - 2930 Watt)



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



AC OUTLINE
 Cutout Dimensions
 (Internally Mounted)



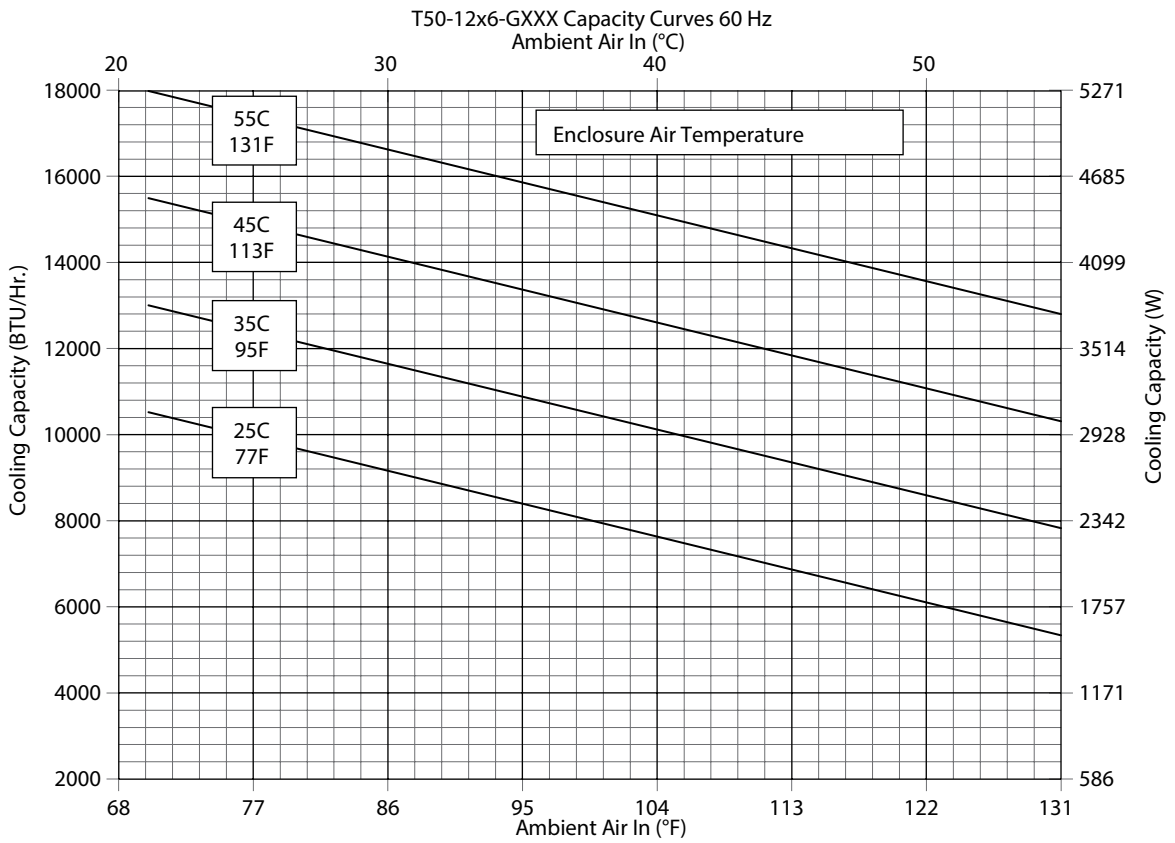
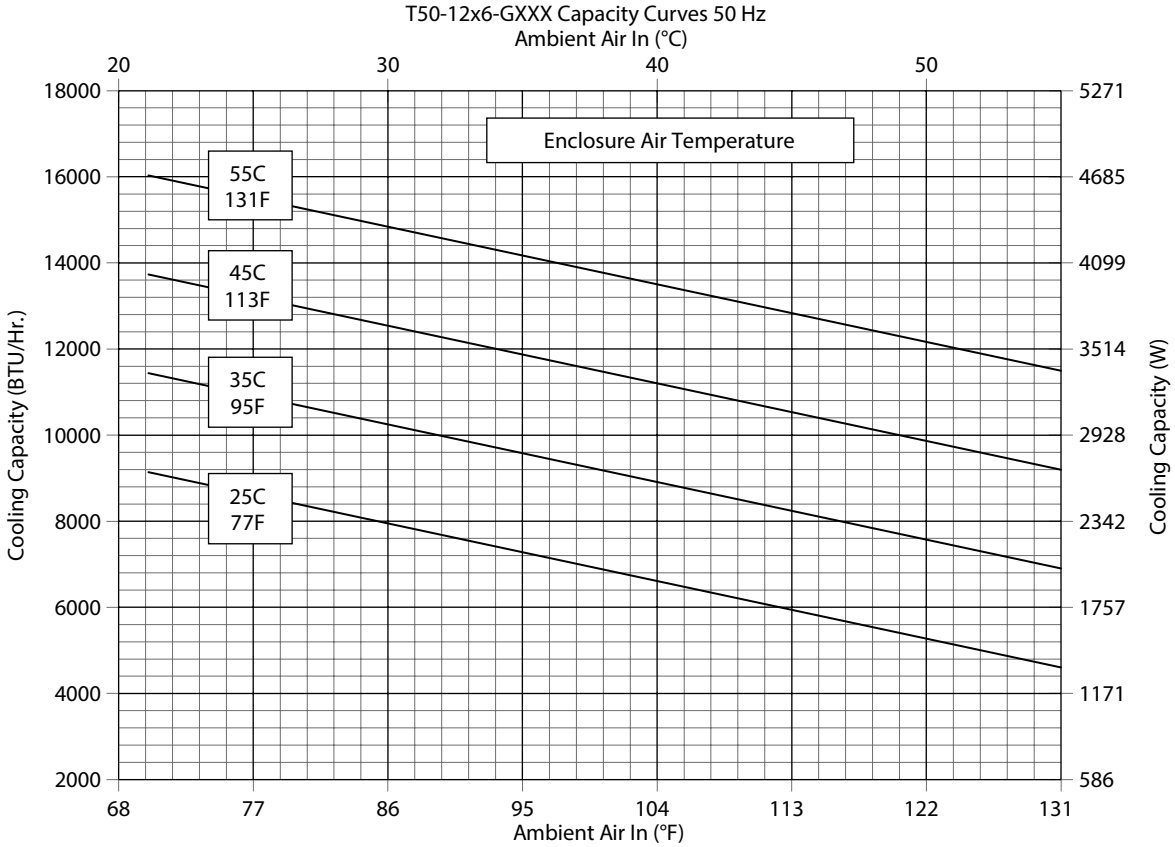
AC OUTLINE
 Cutout Dimensions
 (Externally Mounted)

Visit www.nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.

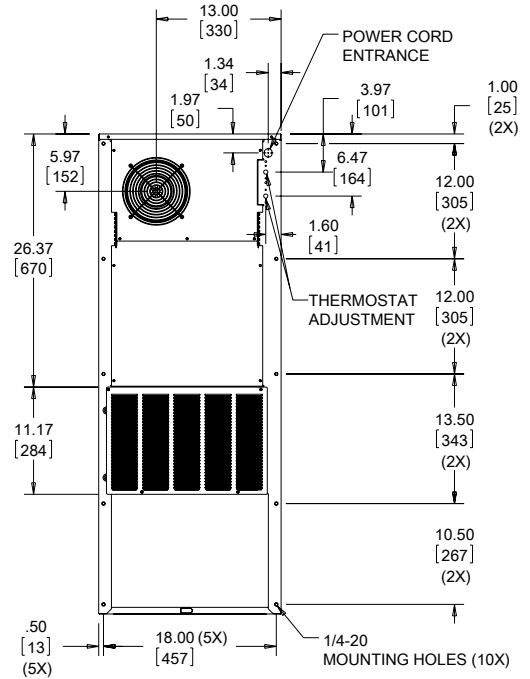
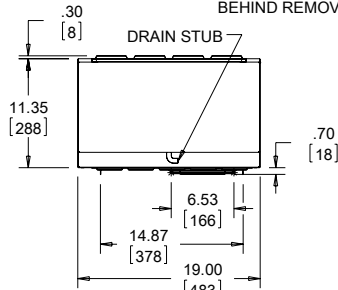
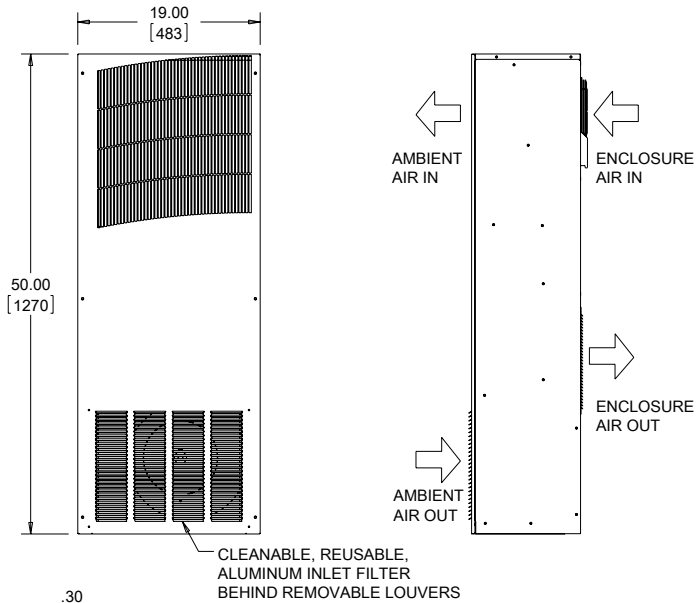
Performance Data T50 12000 BTU/Hr. (3516 Watt) Models

CATALOG NUMBER		
Outdoor Model without Heat Pkg.	T501226G100	T501246G400
Outdoor Model with Heat Pkg.	T501226G150	—
Outdoor Model/SST/Corrosion/4X	T501226G125	T501246G401
Outdoor Model/SST/Corrosion/4X/Heater	T501226G156	—
COOLING PERFORMANCE		
Nominal:		
BTU/Hr.	11000/12000	11000/12000
Watts	3223/3516	3223/3516
At 131 F/131 F (55 C/55 C):		
BTU/Hr. (50/60 Hz)	11044/12407	11044/12407
W (50/60 Hz)	3237/3636	3237/3636
At 95 F/95 F (35 C/35 C):		
BTU/Hr. (50/60 Hz)	9439/10949	9439/10949
W (50/60 Hz)	2766/3209	2766/3209
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 ³ /hr.)	300/510	300/510
External loop 50 Hz (CFM / m ³ /hr.)	520/883	520/883
Internal loop 60 Hz (CFM / m ³ /hr.)	368/626	368/626
External loop 60 Hz (CFM / m ³ /hr.)	625/1062	625/1062
Max. Heater W (Outdoor Models)	1500	1500
ELECTRICAL DATA		
Rated Voltage	220/230	460V 1PH
Frequency (Hz)	50/60	50/60
Operating Range	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	2043/2465	2043/2465
Max. Nominal Current (A at 50/60 Hz)	9.0/10.9	5.0/6.0
Starting Current (A)	30	17
Agency Approvals	UL/cUL Listed CE EAC	cUR Recognized CE EAC
Power Input Description	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
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	68 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)	50/1270	
Width (in./mm)	19/483	
Depth (in./mm)	11.05/281	
Weight (lb./kg)	164/75	

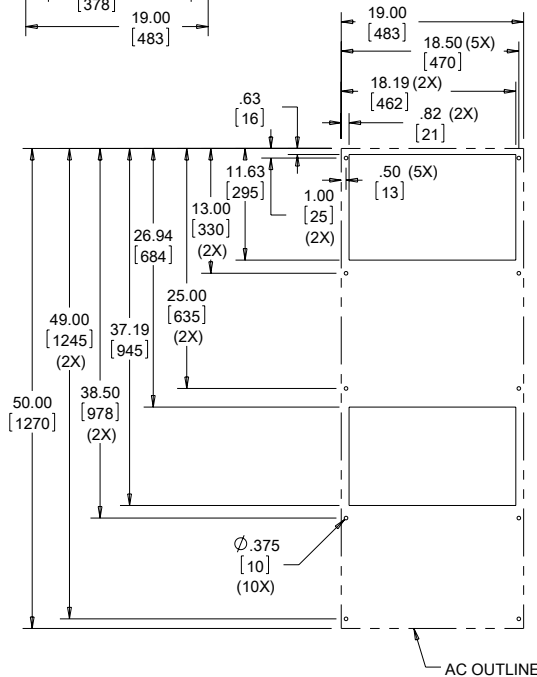
Performance Curves for T50 Models 12000 BTU/Hr. (3516 Watt)



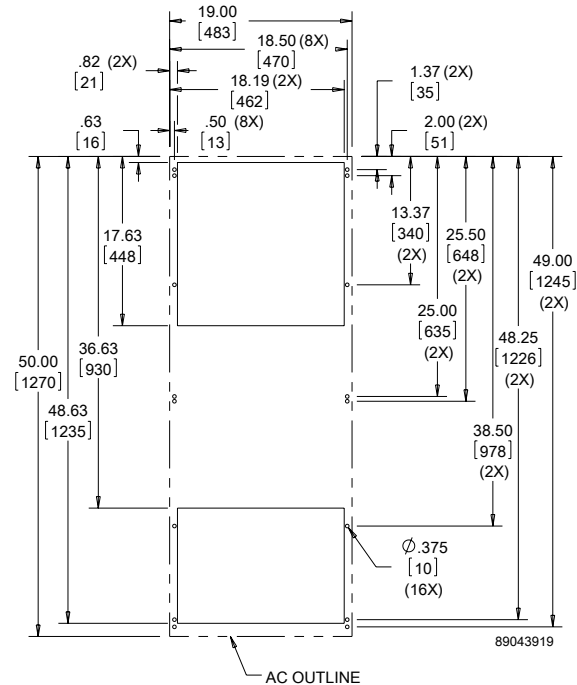
T50 Models 12000 BTU/Hr. (3516 Watt)



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



Cutout Dimensions
(Externally Mounted)



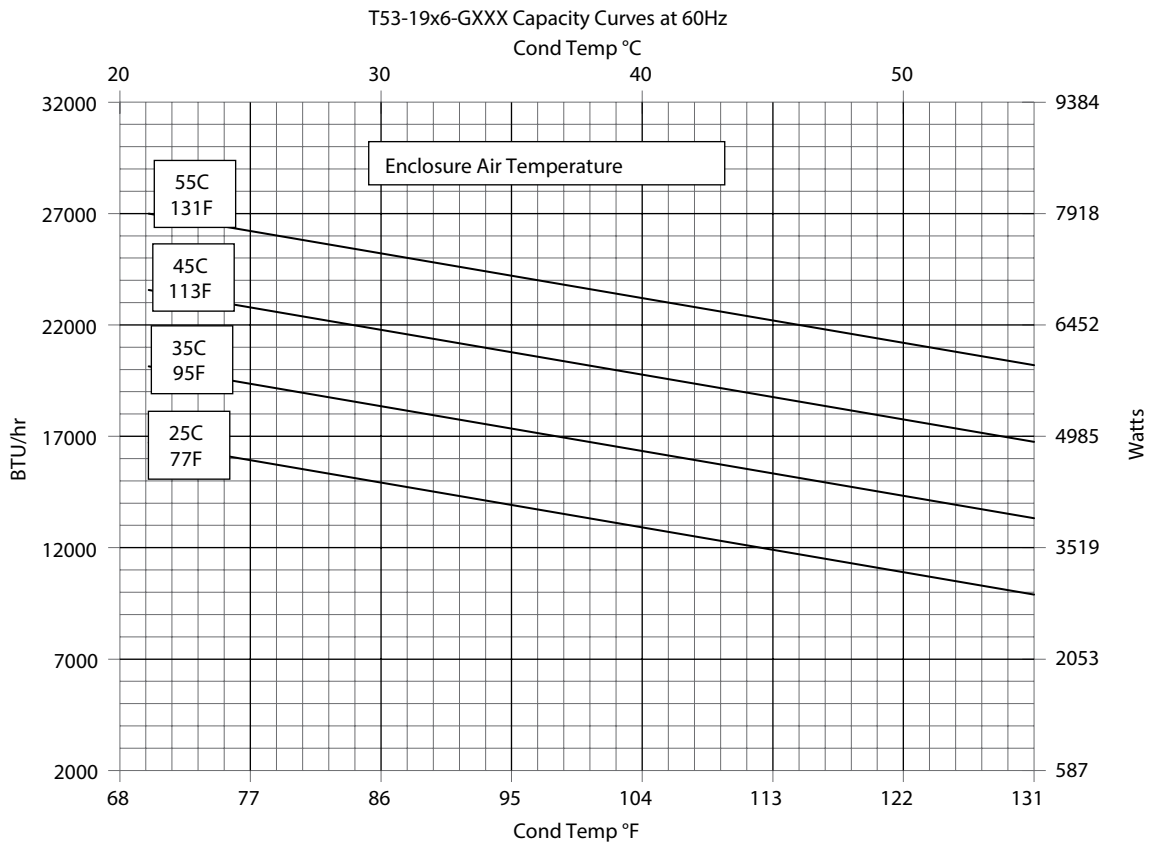
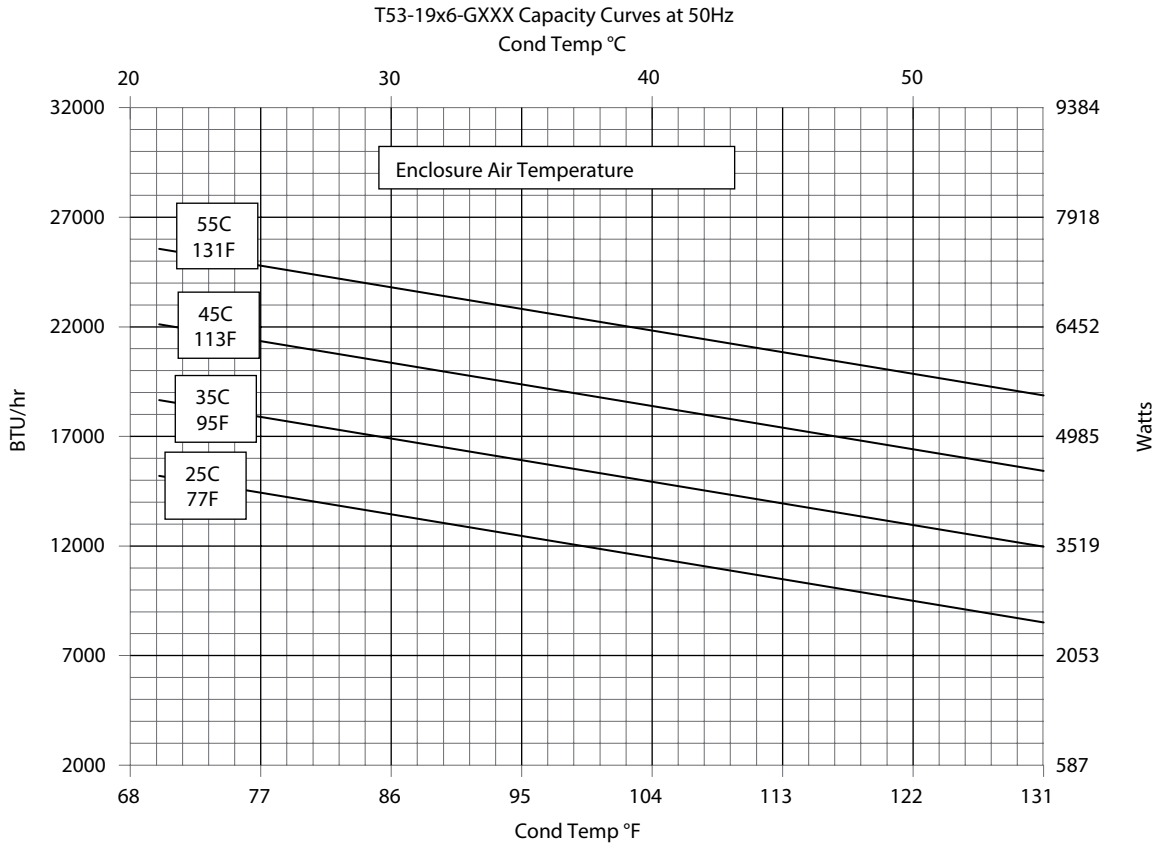
Cutout Dimensions
(Internally Mounted)

Visit www.nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.

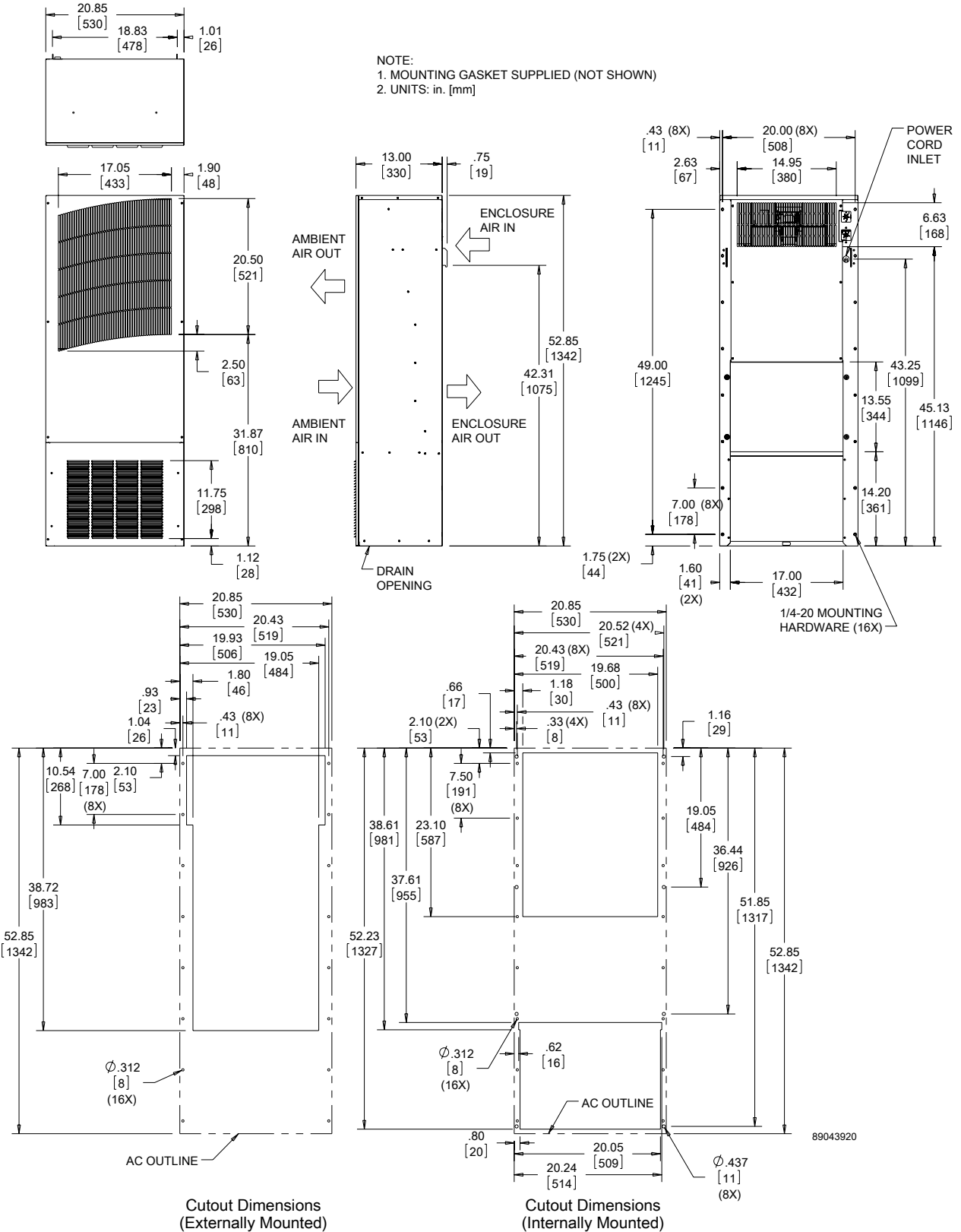
Performance Data **T53 19000 BTU/Hr. (5567 Watt) Models**

CATALOG NUMBER		
Outdoor Model without Heat Pkg.	T531926G100	T531946G400
Outdoor Model with Heat Pkg.	T531926G150	—
Outdoor Model/SST/Corrosion/4X	T531926G109	—
Outdoor Model/SST/Corrosion/4X/Heater	T531926G151	—
COOLING PERFORMANCE		
Nominal:		
BTU/Hr.	18400/20400	18400/20400
Watts	5392/5978	5392/5978
At 131 F/131 F (55 C/55 C):		
BTU/Hr. (50/60 Hz)	18488/20431	18488/20431
W (50/60 Hz)	5418/5987	5418/5987
At 95 F/95 F (35 C/35 C):		
BTU/Hr. (50 /60 Hz)	15833/18087	15833/18087
W (50/60 Hz)	4640/5300	4640/5300
Refrigerant	407C	407C
Refrigerant Charge (ounces/grams)	42/1191	42/1191
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.)	449/763	449/763
External loop 50 Hz (CFM / m ³ /hr.)	1204/2046	1204/2046
Internal loop 60 Hz (CFM / m ³ /hr.)	519/882	519/882
External loop 60 Hz (CFM / m ³ /hr.)	1300/2209	1300/2209
Max. Heater W (Outdoor Models)	3000	
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)	3105/3703	3404/4094
Max. Nominal Current (A at 50/60 Hz)	13.5/16.1	7.4/8.9
Starting Current (A)	54	28
Agency Approvals	UL/cUL Listed CE EAC	cUR Recognized CE EAC
Power Input Description		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		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

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



T53 Models 19000 BTU/Hr. (5567 Watt)



Visit www.nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.