

# Telecom Air Conditioners in 48 vdc

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- 2400 (700w) to 12,000 BTU/Hr (3500w)
- 48 vdc
- -40° C to 55° C operation
- Heater options available
- Remote monitoring option
- Variable Speed Condenser Blower
- Compact footprints matches ac model
- Energy efficient
- Type 4 and Telcordia GR-487
- Protected against corrosion and water
- Eco-friendly refrigerant
- 100% functionally tested



T20 2400  
BTU/HR  
(700 W)



G28 5500  
BTU/HR  
(1600 W)



G52 8500  
BTU/HR  
(2500 W)



G52 12000  
BTU/HR  
(3500 W)

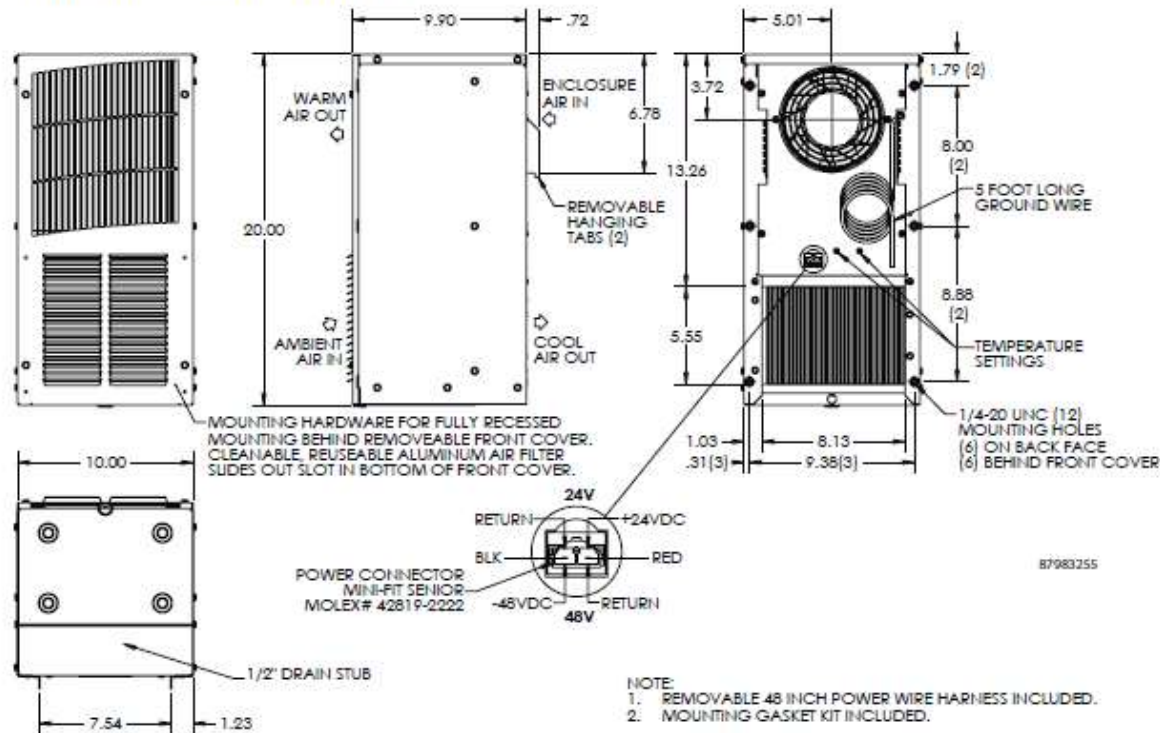
# T20 DC 700 W 2400 BTU/HR

## Design Data

| Model       | Voltage | Full Load Amps | BTU/Hr. @ Maximum Ambient Temperature | Maximum Ambient Temperature °F/°C | Shipping Weight lb./Kg |
|-------------|---------|----------------|---------------------------------------|-----------------------------------|------------------------|
| T200224GXXX | 24VDC   | 25.6           | 2000                                  | 131/55                            | 46/21                  |
| T200248GXXX | 48VDC   | 8.4            | 2400                                  | 131/55                            | 46/21                  |

-XXX will be replaced with a three-digit number designating all desired options. Consult the factory for specific model numbers.

## DIMENSIONAL DRAWINGS



# G28 DC 1600W – 1850W (5000 – 6000 BTU/HR)

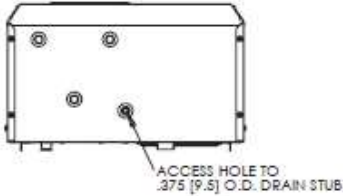
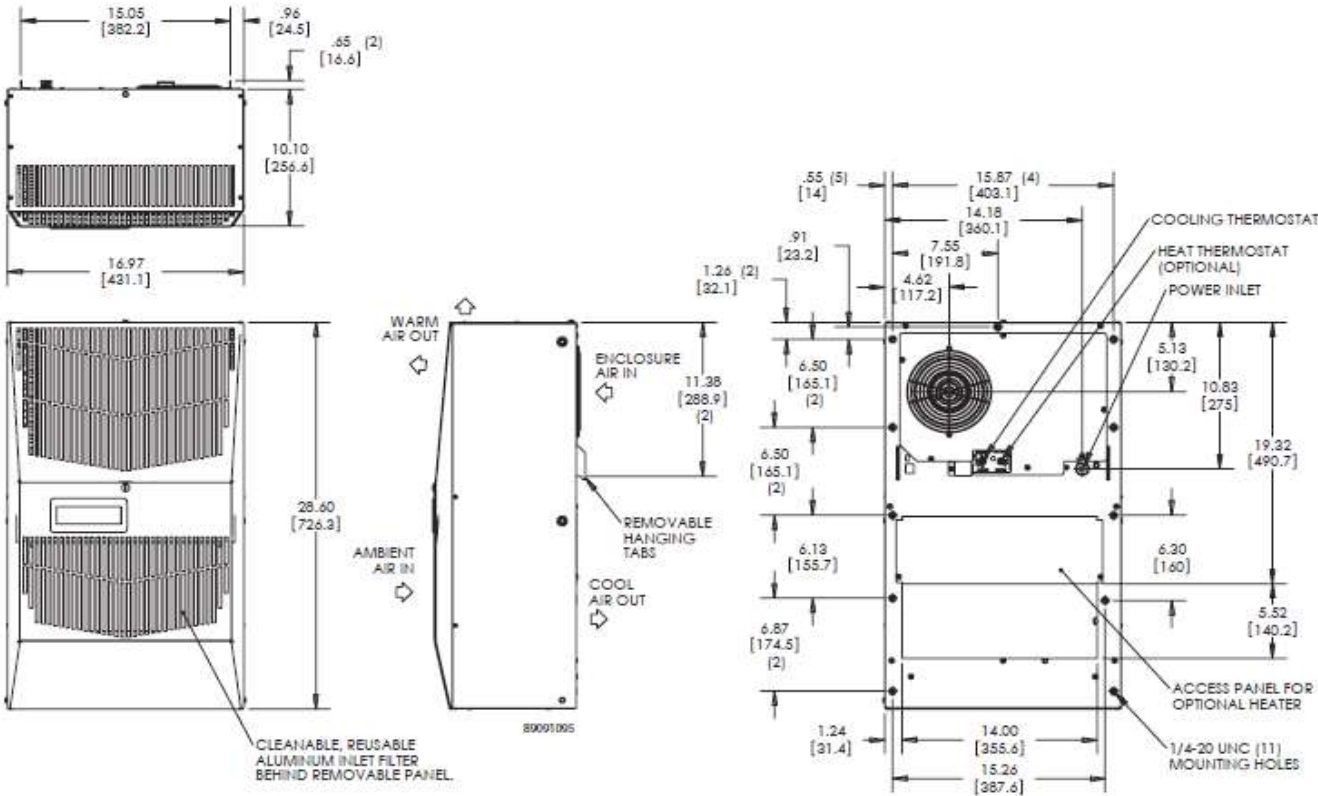
## Performance Data 6000/5000 BTU/Hr. Unit Characteristics

| Model   | G28-0648-GXXX                         | G28-0548-GXXX |
|---|---------------------------------------|---------------|
| <b>Dimensional Data</b>                                       |                                       |               |
| Height (in. / mm)   | 28.60 / 726                           |               |
| Width (in. / mm)  | 16.97 / 382                           |               |
| Depth (in. / mm)  | 11.10 / 282                           |               |
| Unit Weight (lb. / kg)  | 84 / 38                               |               |
| Unit Protection Rating  | Type 12/4/4X/3R                       |               |
| <b>Cooling Data</b>   |                                       |               |
| Refrigerant   | R134A                                 |               |
| Refrigerant Charge (oz / grams)                               | 17 / 482                              |               |
| Cooling Capacity at 95 F enclosure 95 F ambient (BTU/Hr. / W) | 6080 / 1781                           | 5200 / 1524   |
| Cooling Capacity at Max Conditions (BTU/Hr. / W)              | 6333 / 1855                           | 5426 / 1590   |
| Maximum Ambient Temp (°F / °C)                                | 131 / 55                              |               |
| Minimum Ambient Temp (°F / °C)                                | -40 / -40                             |               |
| Enclosure Airflow (CFM)                                       | 220                                   |               |
| External Airflow (CFM)  | Variable, 300 max                     |               |
| Condensate Management   | Hose discharge / Optional powered C/E |               |
| <b>Heating Data</b>   |                                       |               |
| Capacity  | TBD                                   |               |
| <b>Electrical Data</b>  |                                       |               |
| Rated Voltage (VDC)   | 48                                    |               |
| Rated Frequency   | DC                                    |               |
| Voltage Range   | 39-57                                 |               |
| Cooling Amps at Max Conditions                                | 26                                    | 22            |
| Heating Amps  | TBD                                   |               |
| Compressor RLA  | 23                                    |               |
| Evaporator Fan RLA  | 1.5                                   |               |
| Condenser Fan RLA   | 1.5                                   |               |



# G28 DC 1600W – 1850W (5000 – 6000 BTU/HR)

## DIMENSIONAL DRAWING



NOTE:  
 1. APPROVE TO TYPE 3R/4/12.  
 2. MOUNTING GASKET SUPPLIED (NOT SHOWN).

# G52 DC 2345 – 3500 W (8000 – 12,000 BTU/HR)

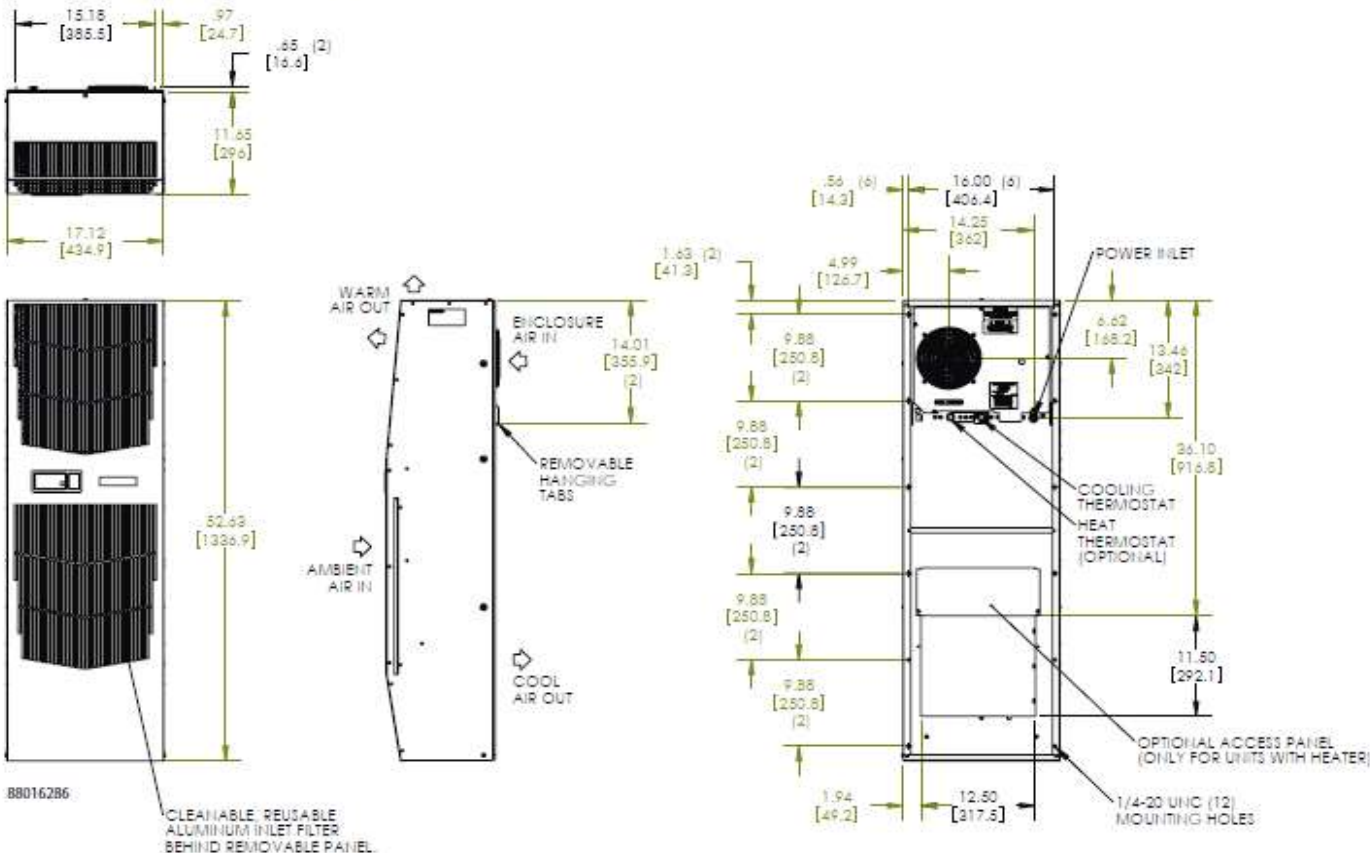
## PERFORMANCE DATA 12000 BTU/HR. UNIT CHARACTERISTICS

| Model   | G520848GXXX                           | G521248GXXX                           |
|---|---------------------------------------|---------------------------------------|
| <b>Dimensional Data</b>                                       |                                       |                                       |
| Height (in. / mm)   | 52.69 / 1338.4                        | 52.69 / 1338.4                        |
| Width (in. / mm)  | 17.12 / 435                           | 17.12 / 435                           |
| Depth (in. / mm)  | 11.66 / 296.1                         | 11.66 / 296.1                         |
| Unit Weight (lb. / kg)  | 131 / 59.4                            | 131 / 59.4                            |
| Unit Protection Rating  | Type 12/4/4X/3R                       | Type 12/4/4X/3R                       |
| <b>Cooling Data</b>   |                                       |                                       |
| Refrigerant   | R134A                                 | R134A                                 |
| Refrigerant Charge (oz / grams)                               | 31 / 879                              | 31 / 879                              |
| Cooling Capacity at 95 F enclosure 95 F ambient (BTU/Hr. / W) | 6800 / 2000                           | 12000 / 3517                          |
| Cooling Capacity at Max Conditions (BTU/Hr. / W)              | 8000 / 2345                           | 12000 / 3517                          |
| Maximum Ambient Temp (°F / °C)                                | 131 / 55                              | 131 / 55                              |
| Minimum Ambient Temp (°F / °C)                                | -40 / -40                             | -40 / -40                             |
| Enclosure Airflow (CFM)                                       | 305                                   | 305                                   |
| External Airflow (CFM)  | 700                                   | 700                                   |
| Condensate Management   | Hose discharge / Optional powered C/E | Hose discharge / Optional powered C/E |
| <b>Heating Data</b>   |                                       |                                       |
| Capacity (Optional)   | 500W or 1000W                         | 500W or 1000W                         |
| <b>Electrical Data</b>  |                                       |                                       |
| Rated Voltage (VDC)   | 48                                    | 48                                    |
| Rated Frequency   | DC                                    | DC                                    |
| Voltage Range   | 39-57                                 | 39-57                                 |
| Cooling Amps at Max Conditions                                | 26.1                                  | 56                                    |
| Heating Amps - 500W (Optional)                                | 11.9                                  | 11.9                                  |
| Heating Amps - 1000W (Optional)                               | 22.3                                  | 22.3                                  |
| Compressor RLA  | 40.2                                  | 40.2                                  |
| Evaporator Fan RLA  | 1.5                                   | 1.5                                   |
| Condenser Fan RLA   | 4.7                                   | 4.7                                   |



# G52 DC 2345 – 3500 W (8000 – 12,000 BTU/HR)

## DIMENSIONAL DRAWING



NOTE:  
 1. APPROVE TO TYPE 3R/4/4X/12.  
 2. MOUNTING GASKET SUPPLIED (NOT SHOWN).